Panasonic
BUSINESS

NORDIC HEAT PUMP

NEW PRODUCTS 2019 — 2020

THE WORLD OF HEATING AND COOLING
IS CHANGING WITH PANASONIC

heating & cooling solutions

PANASONIC: ECO & SMART IDEAS FOR A SUSTAINABLE LIFESTYLE

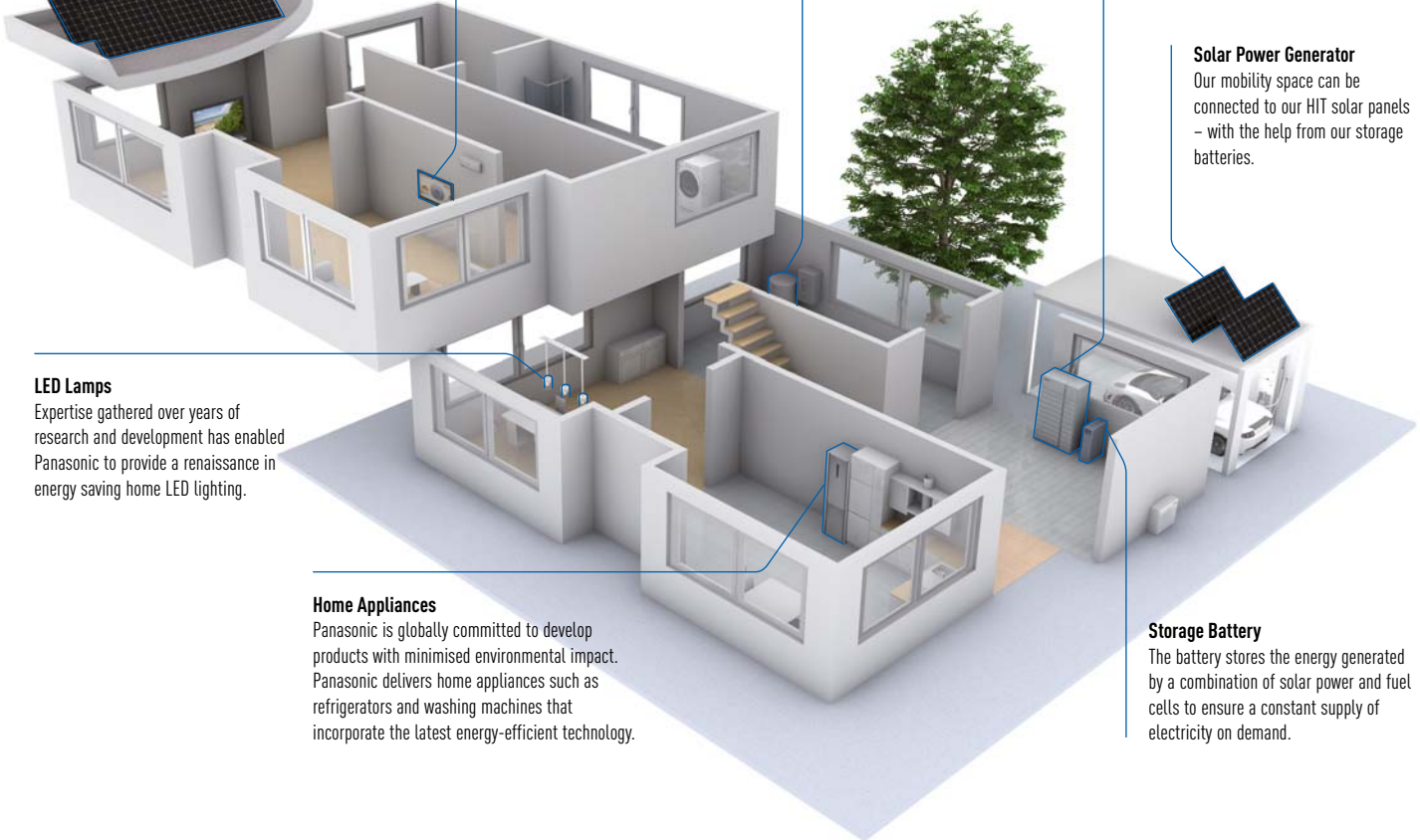
A better life, a better world.
Panasonic is creating a safe and secure society with clean energy.

Solar Power Generator
HIT solar cells achieve maximum output even on smaller roofs.

Home AV
Panasonic offers a wide range of energy saving home equipment to fulfil a sustainable and comfortable lifestyle.

Heat Pump
The Aquarea Heat Pump is part of a new generation of heating systems that use a renewable, free energy source: air, to heat or cool the home and to produce hot water.

Fuel Cell
The Panasonic Fuel Cell is an energy-creating device, which generates electricity and heat at the same time with chemical reaction between hydrogen extracted from natural gas and oxygen.



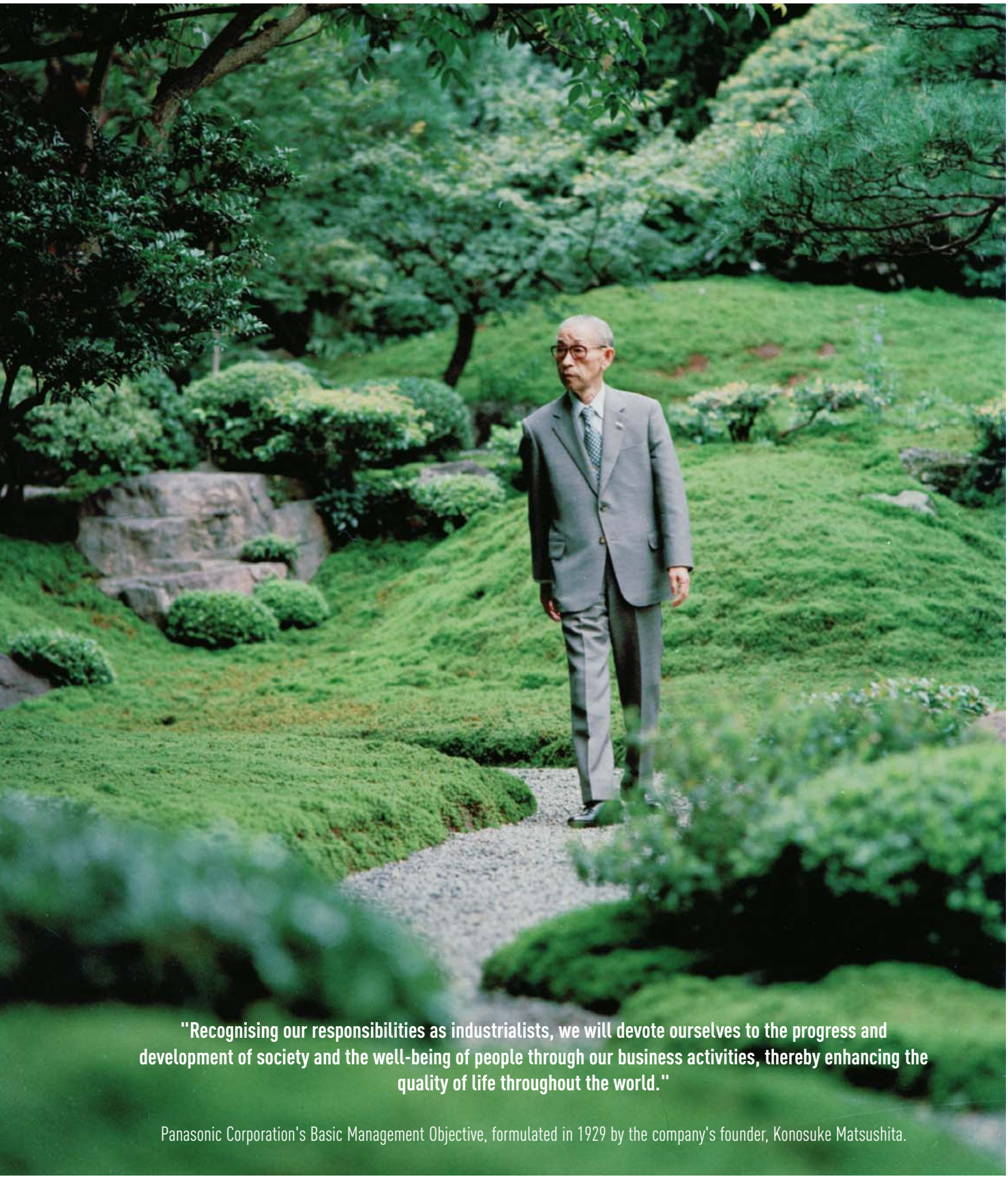
Solar Power Generator
Our mobility space can be connected to our HIT solar panels – with the help from our storage batteries.

LED Lamps
Expertise gathered over years of research and development has enabled Panasonic to provide a renaissance in energy saving home LED lighting.

Home Appliances
Panasonic is globally committed to develop products with minimised environmental impact. Panasonic delivers home appliances such as refrigerators and washing machines that incorporate the latest energy-efficient technology.

Storage Battery
The battery stores the energy generated by a combination of solar power and fuel cells to ensure a constant supply of electricity on demand.

A DESIRE TO CREATE THINGS OF VALUE



"Recognising our responsibilities as industrialists, we will devote ourselves to the progress and development of society and the well-being of people through our business activities, thereby enhancing the quality of life throughout the world."

Panasonic Corporation's Basic Management Objective, formulated in 1929 by the company's founder, Konosuke Matsushita.

Panasonic: celebrating two major milestones in 2018.

100th Anniversary

Panasonic Corporation, 100th anniversary

Look ahead to the "Future," keep taking on challenges. Starting back in 1918, Panasonic has constantly added to its guarantee for innovation, taking tomorrow's technologies and applying them to today's needs.
Always making "people" central to our activities, and thereby focusing on "people's lives," we will continue to provide better living for our customers. This is the unchanging commitment we at Panasonic have had over many years.
Now, we are aiming to expand our contribution to "better living" everywhere. This means that in the variety of spaces where our customers go about their lives, ranging from inside the home, the office, the store, the automobile, and the airplane, as well as in the town, we will provide not only single pieces of hardware, but also total solutions including software and services. We will pursue the concept of "A Better Life, A Better World," meeting the needs of each individual customer.
To that end, we will leverage the strengths that we at Panasonic have long developed in our consumer electronics business, together with the strengths of our business partners who have in-depth expertise in many areas, and we will work to combine these strengths by pursuing "Cross-Value Innovation." In this way, we will create new value. This is the new and challenging task we are now addressing.

1958
First room air conditioner launched for domestic installation.

Panasonic Heating and Cooling, 60th anniversary

Panasonic starts with a desire to create things of value. Sixty years ago, as hard work and dedication results in one innovative product after another, the new company took its first steps towards becoming the electronics giant of today. Heating and Cooling Solutions designed and produced by Panasonic since 1958.

60th Anniversary
heating & cooling solutions

1971
Starts production of absorption chillers.

1973
Panasonic launches the first highly efficient air-to-water heat pump in Japan.

1975
Panasonic becomes the first Japanese air conditioner manufacturer in Europe.

1985
Introduces first GHP (gas heat pump) VRF air conditioner.

1989
Introduces world's first simultaneous 3-Pipe heating/cooling VRF System.

2008
Etherea new concept: high efficiency and high performances with a great design.

2010
New Aquarea. Panasonic introduces Aquarea, an innovative new, low-energy system in Europe.

2012
New GHP units. Pansonic's gas-driven VRF Systems are ideal for projects where power restrictions apply.

2016
New VRF Systems ECOi EX with extraordinary energy-saving performance.

Looking ahead
The first Hybrid System with VRF and GHP in Europe.

PANASONIC HEAT PUMPS WITH TOP TECHNOLOGY

To all that we then add sophisticated and elegant designs. Our heat pumps are like that: innovative inside and beautiful outside.

Panasonic's heat pumps are the heat source of choice for the future

Leadership isn't something you can just get. You have to show it. Which is why at Panasonic we strive each and every day to make our heat pumps highly reliable and surprisingly efficient, with minimum noise impact and the lowest environmental footprint possible.

Heatcharge. The energy efficient air to air heating for Nordics

The best proof of our commitment is that we are moving ahead of the sector by including the R32 refrigerant in our entire range of domestic air conditioners, representing an enormous technological lead that manages to combine excellent comfort in the home and perfect harmony with the environment.

VZ Heatcharge9SKE

The model has the highest energy class A +++ and offers maximum comfort and energy savings. This powerful air heat pump is designed for commercial and residential environment with extremely high demands on the heating system. Heatcharge has a revolutionary storage technology that captures and stores heat from the compressor. The result is our most reliable and powerful heat pump ever.

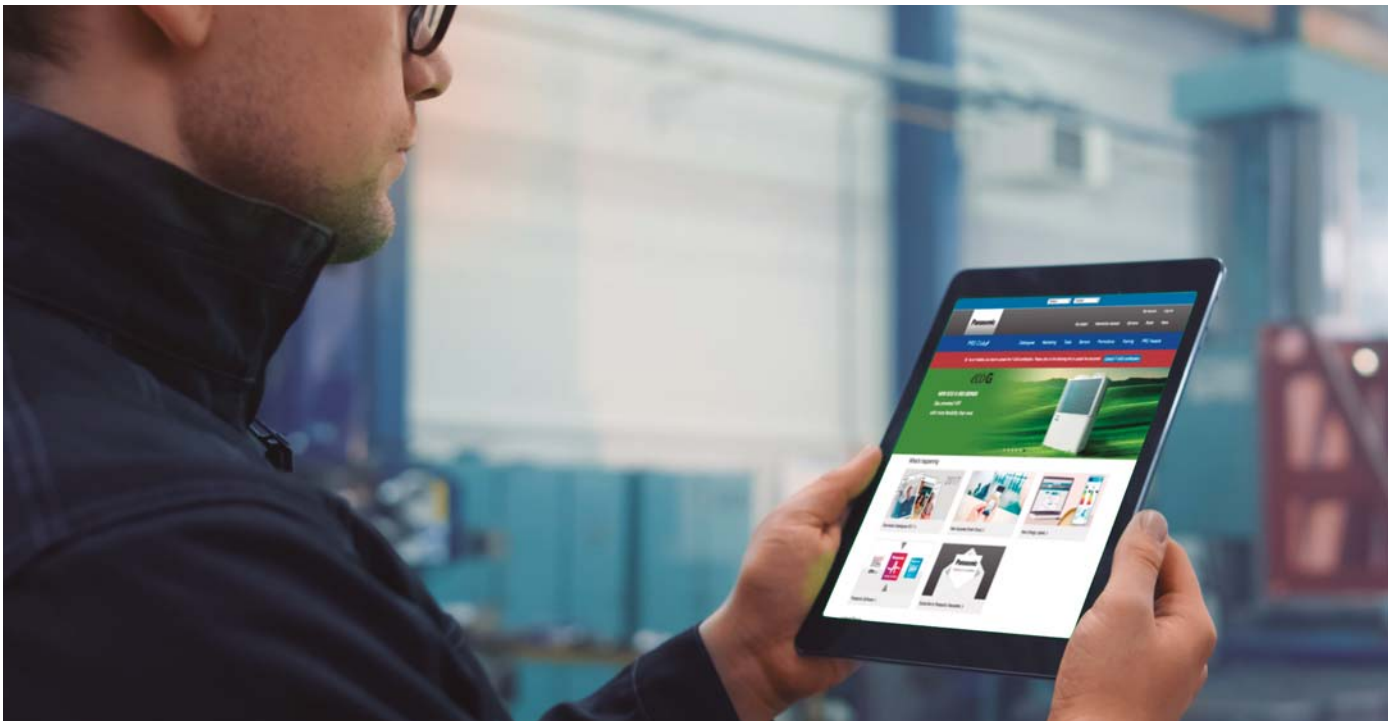
Aquarea. The new generation of energy efficient heating and hot water

Aquarea All in One belongs to the new generation of Panasonic heat pumps for heating, cooling and providing hot water in the home. Aquarea T-CAP is one of the newest heat pumps on the market, and maintains nominal heating capacities even at temperatures as low as -20 °C. This ensures the best possible seasonal energy efficiency ratio. The heat pumps are tested at an outdoor temperature of -27 °C, to ensure the most efficient and stable operation in the Nordic climate.

Aquarea All in One H Generation

Compact and Easy to install. All in One is a space-saving solution, ideal to install in the laundry room. In addition, Panasonic has developed a range of controls that allow control of two heating zones, bivalent and cascade systems.

PRO CLUB. THE PROFESSIONAL WEBSITE OF PANASONIC



Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets. Panasonic PRO Club is the online tool which makes your life easier! You just have to register and a lot of functionalities are freely available to you, where ever you are, from your computer or smartphone!

VRF Designer

Building on the success of the ECOi VRF Designer software, this package provides air conditioning system designers, installers and dealers with a program to design and size projects for Panasonic's VRF ranges.

Aquarea Designer

Panasonic provides bespoke software helping system designers, installers and dealers to very quickly design and size systems, create wiring diagrams and issue bills of quantities at the push of a button.

Panasonic helps you to calculate the system label

From 26th September 2015, installers can be assured that all products manufactured after this date will be sold with the required ErP labels which will aid installers with their paperwork. While it is the manufacturer's responsibility to issue their products with the required labels, the installers will need to calculate and issue an efficiency label for the entire heating system. Whether installing a new heating system or installing new boilers, controls or renewables into an existing system, it is, and will continue to be, the installer's responsibility to calculate and issue efficiency labels. Calculators which assist installers with this process are available on the Panasonic Heating and Cooling Solutions website.

PRO Club

Donwload on www.panasonicproclub.com or connect simply with your smartphone to the PRO Club using this QR

Panasonic, a partner with the knowledge and experience to achieve your objectives and green needs.

Integrated technology that permits better work, easy installation, high efficiency performance, and energy savings

Our main targets are the distributed services and B2B-integrated solutions.
Panasonic provides a single point of contact for the design and maintenance of your system, making things easy for you.
Given our experience in processes, technologies and complex business models, we can offer you effective solutions that reduce costs, whilst also being efficient, user-friendly, reliable and innovative.
Another advantage we offer to our clients is a support service for systems integration projects, which we provide through our wide range of services and solutions. As a global company, we have at our disposal the financial, logistical and technical resources to develop complex and wide-ranging solutions, both at country and international level by implementing them both on-time and on-budget.

Passive house in Tychowo near Stargard Szczecinski, Poland. **Aquarea**

New Hotel Monument 5*GL is located in an 1896 palace. Barcelona, Spain. **ECOi and E-Control**

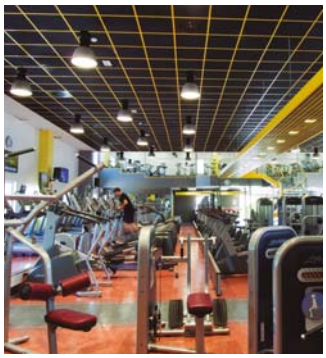
New IKEA "Click and Collect" store in city centre. Birmingham, UK. **ECOi - ECO G**

21 of the 5-6 bedroom luxury homes in Straffan Co.Kildare, Ireland. **Aquarea**

Andalucia Technology Park. Offices of high energetic efficiency. Spain. **ECOi**

The latest glamorous Burger & Lobster restaurant in Bath. UK. **Aquarea**

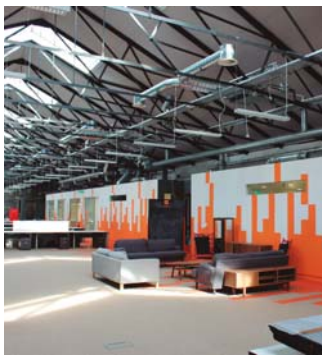
Madrid's new hotel Only You Atocha. The hotel has 206 rooms distributed over seven floors. **ECO G**



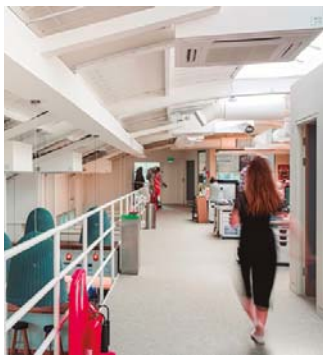
Lo + Fit Galapagar Gym. Madrid, Spain. VRF, **PACi, AHU**

Marina Village Greystones. 205 apartments and 153 houses. Ireland. **Aquarea**

The Hat, a modern hostel in Madrid. Spain. **ECO G**



Zalando's solution for its warehouse office conversion at Grand Canal Quay, Dublin. **ECOi**



Lock Building, offices for media giant Viacom. Camden, London, UK. **ECOi**

To find out more: www.aircon.panasonic.eu

AQUAREA

WELCOME TO AQUAREA AIR TO WATER HEAT PUMP

Aquarea's new Air to Water Heat Pump for residential and commercial applications.
Offering capacities from 3kW all the way through to 16kW, the Aquarea Heat Pump Range is the widest on the market, ensuring a system is available, whatever your heating and cooling needs. Suitable for new build and refurbishment projects, the solutions are cost-effective with minimised environmental impact.

New Aquarea R32.

In the way of offering a more environmentally friendly choice for heating installations, Aquarea is available during 2019 in R32. This pure refrigerant has lower GWP than currently used R410A. Making Aquarea excellent choice for those who really care the environment. Aquarea J Series, this new generation is newly designed to work with R32.

New Aquarea J Generation.

This new generation designed for R32 refrigerant include many other improvements. Such as high piping range, chiller function cooling down to 10°C, DHW COP up to 3,30, improved back up heater function for real bivalent function, SG Ready and PV function for cooling, heating curve can be set up down to -20°C, water pump speed can be set up fixed of auto, magnet filter, efficient or comfort mode for DHW, and other improvements to bring more value and makes easier installation.

Aquarea Smart Cloud for professionals.

Aquarea Smart Cloud will activate remote maintenance service while end user is controlling and monitoring its heating and DHW remotely. This remote maintenance will save time, installation visits by connecting Aquarea to a powerful cloud infrastructure. Remote checker, remote error codes, remote set up functions... all this will be possible by installers with CZ-TAW1 and end user acceptance.

New advanced cascade control.

Advanced Cascade Control that manages up to 10 Aquarea Heat Pumps. Up to 3 M-BUS devices connectable for heat or current meter, demand PV fucntions, control 3 way valves, Modbus IP for BMS communication, DHW logic, easy to set up and control with touch display built in.

New accessories for Aquarea.

Aquarea Heat Pumps have available a wide list of high valuable accessories. Such as high class tanks, Combo Tanks, Fan Coils, interfaces, and other accessories that will ensure the high performance of the heating solution.

NEW R32 AQUAREA J GENERATION

R32
NEW REFRIGERANT GAS
Panasonic

Much more than just R32 Aquarea J Generation Available in 3/5/7/9kW All in One and Bi-bloc

Keeping Aquarea essence.
- Free space on the top of All in One
- A+++
- Service Cloud by accessory

What is new?

1. Higher efficiency.
- SCOP up to + 5% vs H Generation
- DHW COP up to 3,30 (for 3 and 5kW models)

2. More flexibility in design.
- 60°C water temperature
- Piping length improved: 7/9kW: 50/30m - 3/5kW: 25/20m
- Chiller function cooling down to 10°C outdoor temperature

3. New smart functions
- SG ready / PV function for cooling
- Utility remote bivalent control: By dry contacts*
- Stop external device when defrost by Dry contact (for Fan Coil fan stop)*

* Can not be used at same time.

4. More comfort
- Better comfort in extreme low temperature: Heating curve can be set up down to -20°C
- Efficient or comfort mode for DHW: Part load for better efficiency or full load to reduce the heat up time
- DHW two sensor position selectable for All in One: Efficient position (best DHW COP) or bigger volume of hot water

Other improvements: More silent outdoor units / Magnet filter for water cycle.

R32 Refrigerant Gas: A 'small' change that changes everything

Panasonic recommends R32 because it is comparably environmentally friendly. Compared to R22 and R410A, R32 has a very low potential impact on the depletion of ozone layer and global warming.

In line with the European Countries who are concerned in protecting and maintaining the environment by participating in the Montreal Protocol to protect the Ozone Layer and prevent Global Warming, Panasonic is leading the switch to R32.

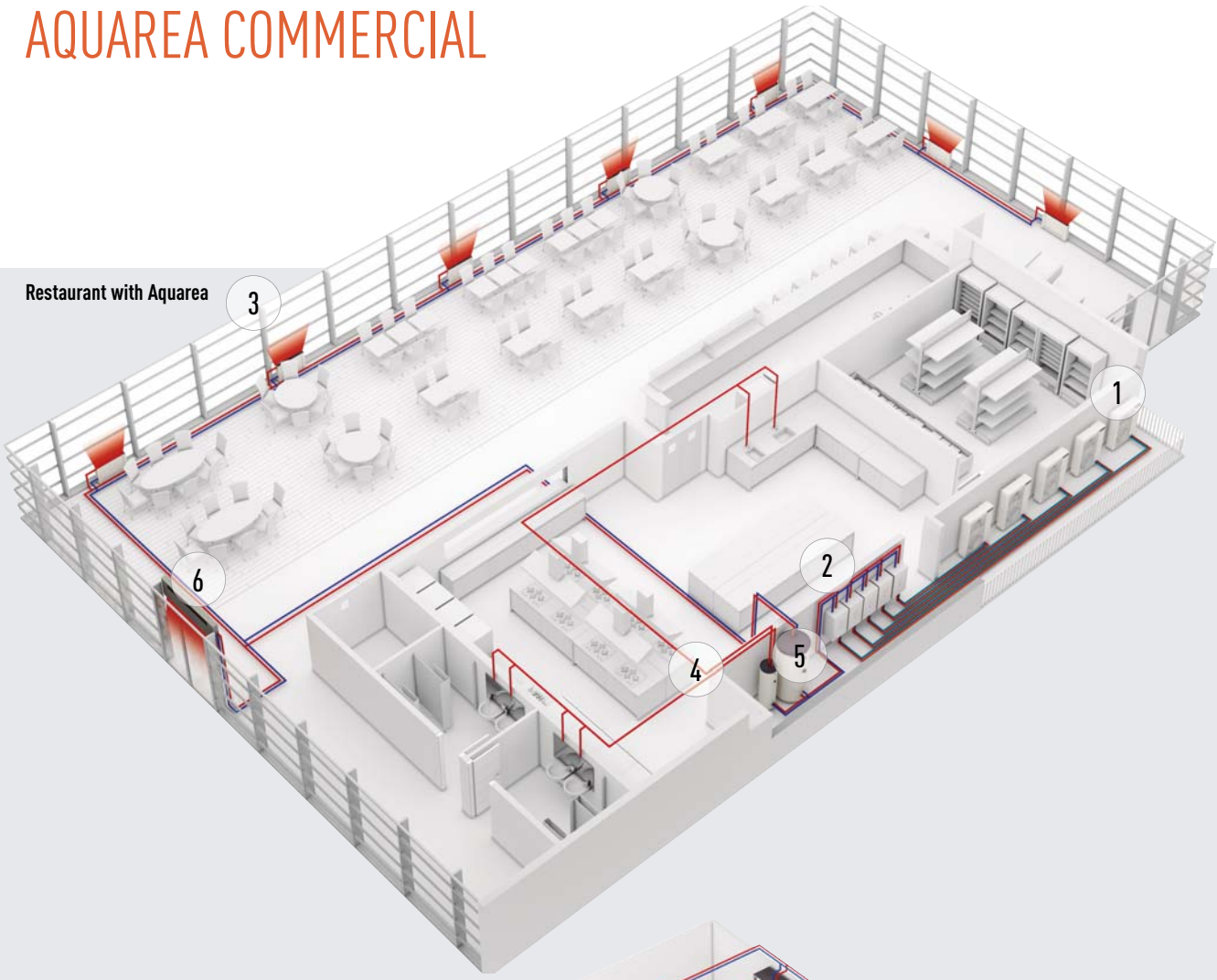
1. Installation innovation.
- Extremely easy to install, practically the same as R410A. (Just remember to verify that the pressure gauge and vacuum pump are compatible with R32)
- This refrigerant is 100% pure, which makes it easier to recycle and reuse

2. Environmental innovation.
- Zero impact on the ozone layer
- 75% less impact on global warming

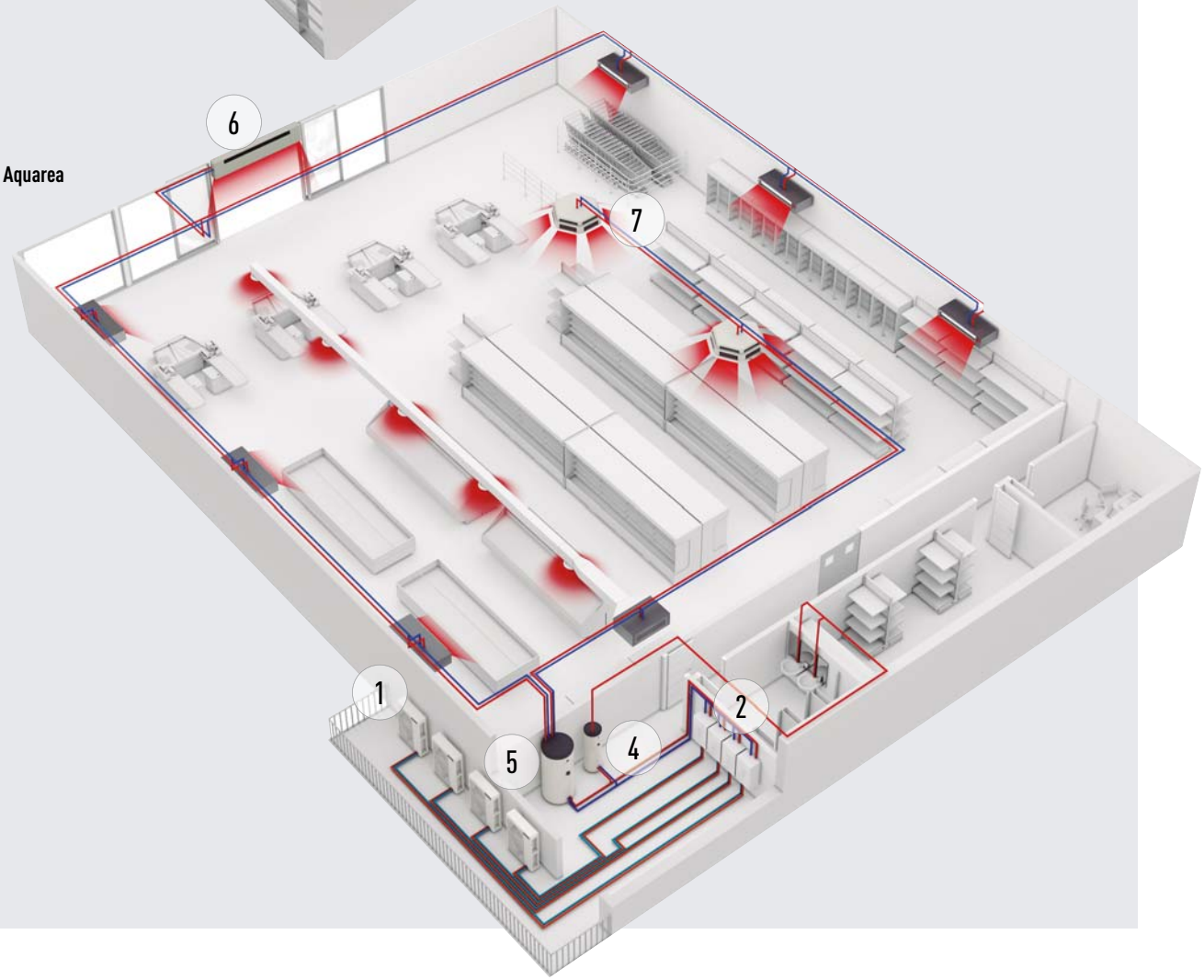
3. Economic and energy consumption innovation.
- Lower cost and greater savings
- Higher energy efficiency than R410A

AQUAREA COMMERCIAL

Restaurant with Aquarea



Supermarket with Aquarea



Solutions for best savings. Efficient Panasonic Heat Pumps can help to significantly reduce the energy consumption of your business. Recent improvements to air source Heat Pump technology, including compact single unit systems, can provide an ideal housing and commercial solution.

They offer space saving, energy-efficient heating and can be easily adapted for installation in flats, houses and commercial premises. Businesses producing heat, such as restaurants, installing an Aquarea Heat Pump system can also use this wasted heat to improve energy efficiency further.

Restaurant with Aquarea

If you are looking for savings for your business, Aquarea is the right choice! Ideal for heating, cooling and for production of big quantities of hot water at 65°C, Aquarea have a quick return on investment and a low carbon footprint.

Key points:
- Produce hot water efficiency
- Fast return of investment
- Easy control

Supermarket with Aquarea

Heat pump technology is scalable, meaning that it can be installed in buildings of varying sizes, offering both small- and large-scale heating solutions. The technology is also environmentally friendly when compared to traditional heating systems alternatives based on fossil fuel energy and in addition it is more energy efficient.

Can be integrated in the water system.
Easy connection to existing system
- Fan Coils
- Floor Heating
- 4 way and 2 way convectors
- Domestic hot water tanks
- High efficiency
- Very good part load management

1


Aquarea T-CAP.
Heat Pump 16kW on cascade mode.

2


High Efficiency Aquarea Hydrokit.

3

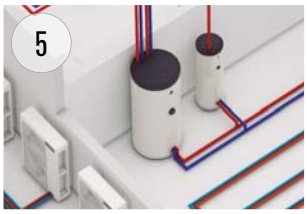

High efficiency Aquarea Air radiators.
32% more efficient than standard radiators.

3


New versatile and efficient fan coils.
Innovation for an optimum comfort.

4

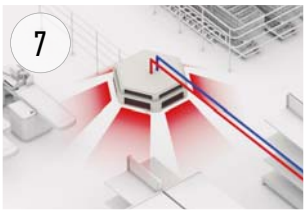

Super high efficiency Tanks.
From 200L to 500L for domestic hot water.

5


Buffer Tank of 1000L.

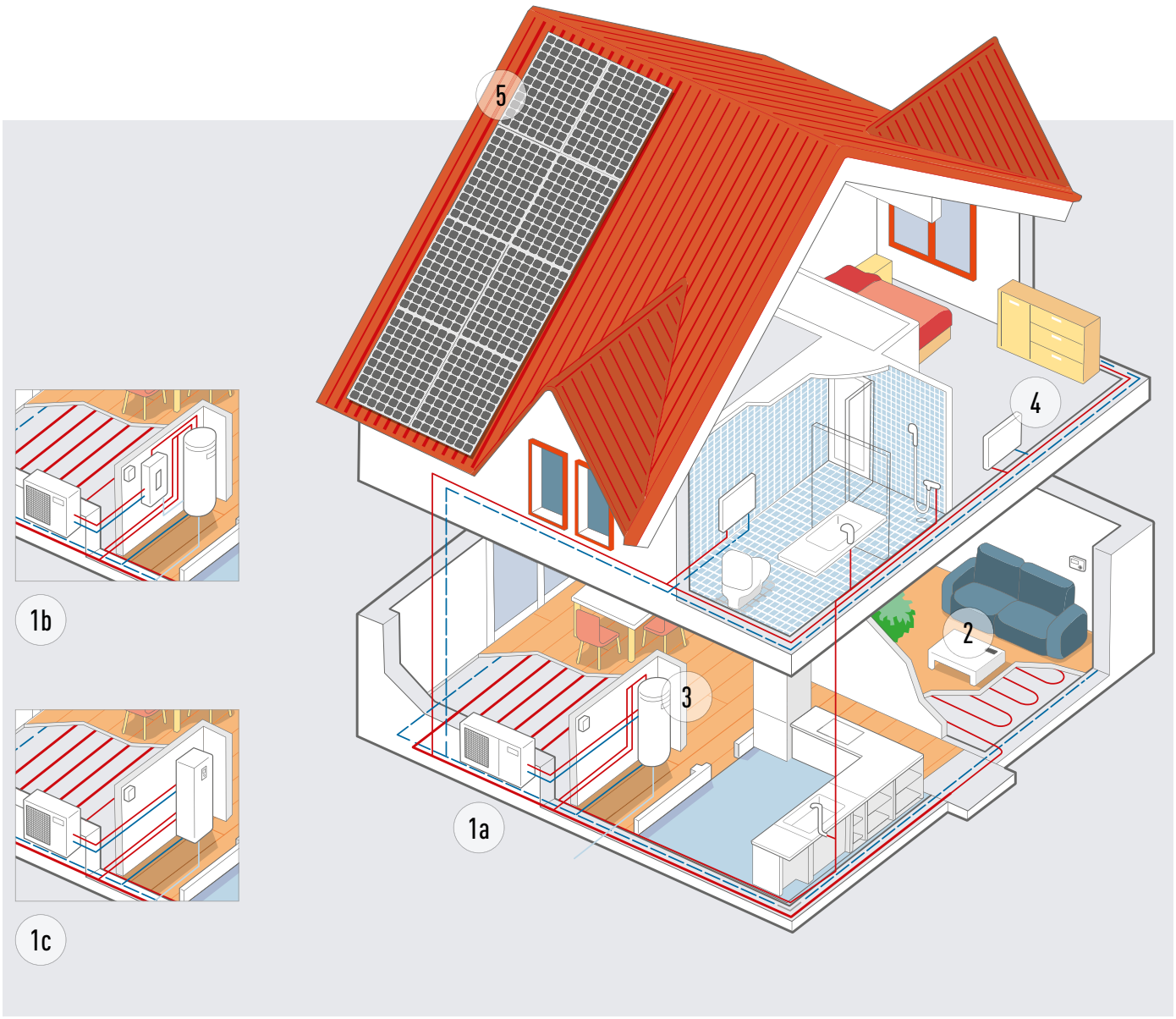
6


Air Curtain with DX Coil.
Designed for smooth operation and efficient performance.

7


Convectors.

AQUAREA HEAT PUMP LINE-UP



1a

Mono-bloc system.

1b

Bi-bloc system.

1c

All in One system.

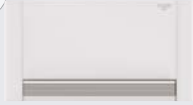
2

Control through smart phone, tablet or computer (optional).

3

Super High Efficiency cylinder (optional).

4



High efficient radiators for heating and cooling (optional).

4

New versatile and efficient fan coil (optional).

5

Heat Pump + HIT Photovoltaic solar panel (optional).

Panasonic Aquarea offers you solutions, helping to make the home more efficient and the installation cheaper and easier

Aquarea High Performance. For new installations and low consumption homes.
Outstanding efficiency and energy savings with minimised CO_2 emissions and minimum space. Improved performance with COP's up to 5,33.

Aquarea T-CAP. For extremely low temperatures, refurbishment and innovation.
Ideal to ensure that the heating capacity is maintained even at very low temperatures. This line-up is able to maintain the Heat Pump output capacity until -20°C outdoor temperature without the help of an electrical booster heater.

Aquarea HT. For a house with old high-temperature radiators.
Ideal for retrofit: green energy source works with existing radiators. Aquarea HT Solution is the most appropriate, provides output water temperatures of 65°C even at outdoor temperatures as low as -15°C.

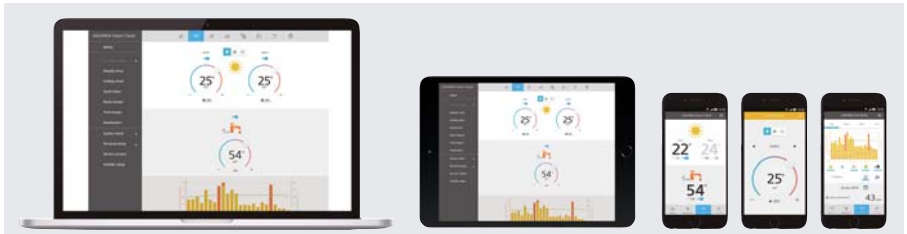
DHW Stand Alone.
- A+ Highly efficient wall mounted Domestic Hot Water Heat Pump
- Provides reduced power consumption by 75% compared with traditional electric water heater

Aquarea High Performance	Aquarea T-CAP	Aquarea HT	DHW Stand Alone*
 Mono-bloc Bi-bloc All in One	 Mono-bloc Bi-bloc All in One	 Mono-bloc Bi-bloc	
Heating - Cooling - DHW	Heating - Cooling - DHW	Heating - DHW	Only DHW
Single Phase from 3 to 16kW Three Phase from 9 to 16kW	Single Phase from 9 to 12kW Three Phase from 9 to 16kW	Single Phase from 9 to 12kW Three Phase from 9 to 12kW	100 and 150L
Connectable to			
Radiators - Fan Coil - Underfloor heating - DHW	Radiators - Fan Coil - Underfloor heating - DHW	Traditional high-temperature radiators - DHW	Domestic Hot Water
Application			
Normal installation	For extreme cold ambient	Retrofit for old radiators	Only DHW
Energy efficiency			
A++ / A++ Heating 35°C / 55°C	A++ / A++ Heating 35°C / 55°C	A++ / A++ Heating 35°C / 55°C	A+ DHW 50 ~ 62°C
Outdoor ambient temperature limit. Operation			
-20°C	-28°C	-20°C	-5°C
Outdoor ambient temperature limit. Constant capacity (35°C)			
-7°C (not for all units)	-20°C [1]	-15°C	–
Supply temperature for heating. Max. / Heat pump only			
75°C [2] / 55°C [3] (or 60°C for Aquarea J Generation)	75°C [2] / 60°C [3]	75°C [2] / 65°C	–
Control and connectivity			
Smart Grid Ready [4] Wireless LAN Ready	Smart Grid Ready [4] Wireless LAN Ready	Smart Grid Ready [4] Wireless LAN Ready	–
Range			
Bi-bloc from 3 to 16kW Mono-bloc from 5 to 16kW All in One from 3 to 16kW (185L)	Bi-bloc from 9 to 16kW Mono-bloc from 9 to 16kW All in One from 9 to 16kW (185L)	Bi-bloc from 9 to 12kW Mono-bloc from 9 to 12kW	100 and 150L

All data in this chart is applicable in most of models in each line up, check product specs to confirm. 1) 9 and 12kW. 2) DHW maximum temperature with heater. 3) In case of outdoor temperature over -10°C. 4) H Generation with CZ-NS4P, F and G Generation with Heat Pump Manager. * DHW Stand Alone is produced by S.A.T.E.

AQUAREA SMART AND SERVICE CLOUD

1 AQUAREA SMART CLOUD FOR END USERS



* User interface image may change without notification.

Easy and powerful energy management

The Aquarea Smart Cloud is much more than a simple thermostat for switching a heating device ON or OFF. It is a powerful and intuitive service for remotely controlling the full range of heating and hot water functions, including monitoring energy consumption.

How does it works?

Connect Aquarea J and H Generation system to the cloud using wireless LAN or a wired LAN Network. User connects to the Cloud portal to remotely operate all unit functions and can also permit partners to access customised functions for remote maintenance and monitoring. See demo: https://aquarea.aircon.panasonic.eu

Requirements

1. Aquarea J and H Generation
2. In-house internet connection with router wireless LAN or wired LAN
3. Get a Panasonic ID in https://aquarea-smart.panasonic.com/

Functions:

- Visualization and Control
- Scheduling
- Energy Statistics
- Malfunction notification

Advantages

Energy savings, comfort and control from anywhere. Increase efficiency and resources management, operating costs savings and owner satisfaction. The new Aquarea Smart Cloud services are focused on enabling full remote maintenance of the Aquarea system. This allow maintenance specialists to engage in predictive maintenance and system fine-tuning, as well as fixing malfunctions when they occur.

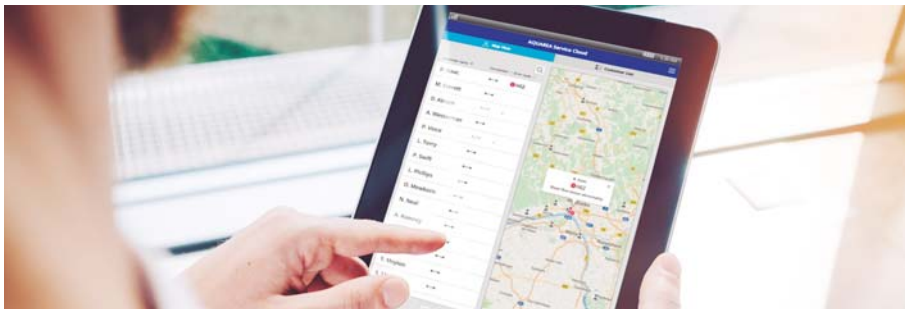
Aquarea compatibility	J and H Generation
Connection point	CN-CNT Aquarea port
Home router connection	Wireless or Wired LAN
Temperature sensor	Can use remote controller sensor
Tablet or PC browser compatibility*	Yes
Operation from remote — ON/OFF — House Temp setting mode selection — DHW setting — Error codes — Scheduling	Yes
Heating areas	Up to 2 zones
Power consumption estimation — Operation log history	Yes — Yes

* Check browsers and version compatibility.

1. LAN
2. Aquarea connection by CN-CNT

The most advanced heating control for today and for the future.
Aquarea connect to Cloud with CZ-TAW1, opening 2 different platforms.

2 AQUAREA SERVICE CLOUD FOR INSTALLERS / MAINTENANCE



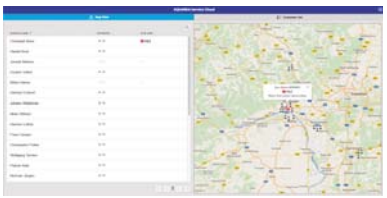
The real remote maintenance made simple

The Aquarea Service Cloud allows to installers to take care remotely of their customers heating systems. Saving time, money and shortening response time increasing customer satisfaction.

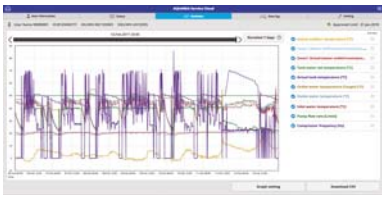
Advanced functions for remote maintenance with professional screens:

- Global view at a glance
- Error log history
- Full unit information
- Statistics always available
- All settings available

Home page.
All users connected status at a glance. 2 view options: Map view or list view only.



Statistics tag.
Customisable statistics of a maximum 73 parameters. Available anytime with the information of last 7 days.



Status tag.
Current status of unit with a maximum 28 parameters.

Settings tag.
Full settings of system remotely including user and installer settings.

Activation Aquarea Service Cloud

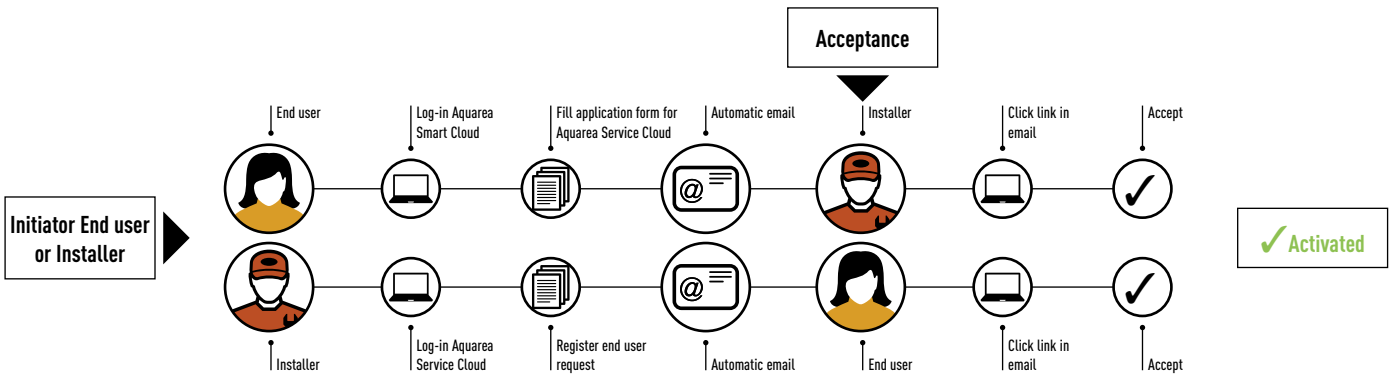
Requirements.

Hardware and connection	End user registration	Installer / maintenance registration
J and H Generation connected to CZ-TAW1	Get Panasonic ID	Get Service ID
In house internet connection with Wireless LAN or Wired LAN	Aquarea Smart Cloud	Aquarea Service Cloud

Connecting unit to installer/maintenance.

Process can be initiated either both by end user or by installer.
Whenever end user can select/change level of control is giving to installer (4 levels).

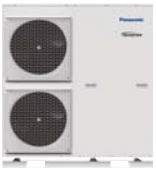
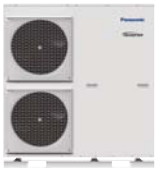
Installer registration: https://aquarea-service.panasonic.com/
End user registration: https://aquarea-smart.panasonic.com/



AQUAREA HEAT PUMPS LINE-UP

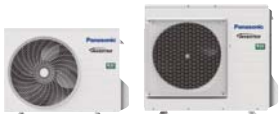
		3kW	5kW	7kW
Aquarea High Performance **P. 22, 24, 25**	**All in One** 1 Phase 3 Phase	 WH-ADC0309J3E5 WH-ADC0309J3E5B WH-UD03JE5	 WH-ADC0309J3E5 WH-ADC0309J3E5B WH-UD05JE5	 WH-ADC0309J3E5 WH-ADC0309J3E5B WH-UD07JE5
P. 23, 28, 29	**Bi-bloc** 1 Phase 3 Phase	 WH-SDC0305J3E5 WH-UD03JE5 WH-SDC03H3E5-1 WH-UD03HE5-1	 WH-SDC0305J3E5 WH-UD05JE5 WH-SDC05H3E5-1 WH-UD05HE5-1	 WH-SDC0709J3E5 WH-UD07JE5 WH-SDC07H3E5-1 WH-UD07HE5-1
P. 32	**Mono-bloc** 1 Phase		 WH-MDC05H3E5	 WH-MDC07H3E5
Aquarea T-CAP **P. 26-27**	**All in One** 1 Phase 3 Phase			
P. 30-31	**Bi-bloc** 1 Phase 3 Phase			
P. 33	**Mono-bloc** 1 Phase 3 Phase			
Aquarea HT **P. 34**	**Bi-bloc** 1 Phase 3 Phase			
P. 35	**Mono-bloc** 1 Phase			

Heating. Cooling. DHW. WH-__E5 1 Phase // WH-__E8 3 Phase.

9kW	12kW	16kW
 WH-ADC0309J3E5 WH-ADC0309J3E5B WH-UD09JE5 WH-ADC0916H9E8 WH-UD09HE8	 WH-ADC1216H6E5 WH-UD12HE5 WH-ADC0916H9E8 WH-UD12HE8	 WH-ADC1216H6E5 WH-UD16HE5 WH-ADC0916H9E8 WH-UD16HE8
 WH-SDC0709J3E5 WH-UD09JE5-1 WH-SDC09H3E5-1 WH-UD09HE5-1 WH-SDC09H3E8 WH-UD09HE8	 WH-SDC12H6E5 WH-UD12HE5 WH-SDC12H9E8 WH-UD12HE8	 WH-SDC16H6E5 WH-UD16HE5 WH-SDC16H9E8 WH-UD16HE8
 WH-MDC09H3E5	 WH-MDC12H6E5	 WH-MDC16H6E5
 WH-ADC1216H6E5 WH-UX09HE5 WH-ADC0916H9E8 WH-UX09HE8 WH-ADC0916H9E8 WH-UQ09HE8	 WH-ADC1216H6E5 WH-UX12HE5 WH-ADC0916H9E8 WH-UX12HE8 WH-ADC0916H9E8 WH-UQ12HE8	 WH-ADC0916H9E8 WH-UX16HE8 WH-ADC0916H9E8 WH-UQ16HE8
 WH-SXC09H3E5 WH-UX09HE5 WH-SXC09H3E8 WH-UX09HE8 WH-SQC09H3E8 WH-UQ09HE8	 WH-SXC12H6E5 WH-UX12HE5 WH-SXC12H9E8 WH-UX12HE8 WH-SQC12H9E8 WH-UQ12HE8	 WH-SXC16H9E8 WH-UX16HE8 WH-SQC16H9E8 WH-UQ16HE8
 WH-MXC09H3E5 WH-MXC09H3E8	 WH-MXC12H6E5 WH-MXC12H9E8	 WH-MXC16H9E8
 WH-SHF09F3E5 WH-UH09FE5 WH-SHF09F3E8 WH-UH09FE8	 WH-SHF12F6E5 WH-UH12FE5 WH-SHF12F9E8 WH-UH12FE8	
 WH-MHF09G3E5	 WH-MHF12G6E5	

GOOD DESIGN AWARD 2017

NEW 2019



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

NEW Aquarea High Performance All in One J Generation Single Phase. Heating and Cooling 1 or 2 zones • R32 Gas

Tentative Data			Single Phase			
Kit 1 zone (for 2 zone add B at the end)			**KIT-ADC03JE5**	**KIT-ADC05JE5**	**KIT-ADC07JE5**	**KIT-ADC09JE5-1**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	3,20 / 5,33	5,00 / 5,00	7,00 / 4,76	9,00 / 4,48
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	3,20 / 2,81	5,00 / 2,72	7,00 / 2,82	8,95 / 2,78
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	3,20 / 3,64	4,20 / 3,18	6,85 / 3,41	7,00 / 3,40
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	3,20 / 2,19	4,10 / 1,99	6,20 / 2,21	6,30 / 2,16
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	3,30 / 2,80	4,20 / 2,59	5,60 / 2,87	6,12 / 2,78
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	3,20 / 1,79	3,55 / 1,71	5,25 / 1,94	5,90 / 1,93
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	3,20 / 3,52	4,50 / 3,00	6,70 / 3,03	8,20 / 2,72
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	3,20 / 4,85	4,80 / 4,29	6,70 / 4,72	— / —
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	200 / 136	200 / 136	193 / 130	193 / 130
		SCOP	5,07 / 3,47	5,07 / 3,47	4,90 / 3,32	4,90 / 3,32
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	245 / 165	245 / 165	227 / 160	227 / 160
		SCOP	6,20 / 4,20	6,20 / 4,20	5,75 / 4,07	5,75 / 4,07
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	157 / 110	157 / 110	164 / 116	164 / 116
		SCOP	4,00 / 2,83	4,00 / 2,83	4,18 / 2,98	4,18 / 2,98
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit 1 zone hydrokit			**WH-ADC0309J3E5**	**WH-ADC0309J3E5**	**WH-ADC0309J3E5**	**WH-ADC0309J3E5**
Indoor unit 2 zones built-in hydrokit			**WH-ADC0309J3E5B**	**WH-ADC0309J3E5B**	**WH-ADC0309J3E5B**	**WH-ADC0309J3E5B**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28
Dimension	H x W x D	mm	1800 x 598 x 717	1800 x 598 x 717	1800 x 598 x 717	1800 x 598 x 717
Net weight 1 zone / 2 zones		kg	122 / 130	122 / 130	122 / 130	122 / 130
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	30 / 120	30 / 120	30 / 120	30 / 120
Heating water flow (ΔT=5 K. 35°C)		L/min	9,20	14,30	20,10	25,80
Capacity of integrated electric heater		kW	3,00	3,00	3,00	3,00
Recommended fuse		A	16 / 16	16 / 16	25 / 16	25 / 16
Recommended cable size, supply 1 / 2		mm²	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 2,5 / 3 x 1,5	3 x 2,5 / 3 x 1,5
Water volume		L	185	185	185	185
Maximum water temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A+	A+	A+	A+
DHW Tank ERP Warm climate efficiency rating		A+ to F	A+	A+	A+	A+
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A	A	A
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	132 / 3,30	132 / 3,30	120 / 3,00	120 / 3,00
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	155 / 3,88	155 / 3,88	140 / 3,50	140 / 3,50
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	99 / 2,48	99 / 2,48	99 / 2,47	99 / 2,47
Outdoor unit			**WH-UD03JE5**	**WH-UD05JE5**	**WH-UD07JE5**	**WH-UD09JE5-1**
Sound power part load	Heat	dB	55	55	59	59
Sound power full load	Heat / Cool	dB	60 / 61	64 / 64	68 / 67	69 / 69
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298 / 37	622 x 824 x 298 / 37	795 x 875 x 320 / 61	795 x 875 x 320 / 61
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9 / 0,608	0,9 / 0,608	1,27 / 0,857	1,27 / 0,857
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 25 / 20	3 ~ 25 / 20	3 ~ 50 / 30	3 ~ 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 25	10 / 25
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Accessories	
PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Insulated tested under EN12897.
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017

NEW 2019

A++ ErP 55°C Scale from A+++ to D

A+++ ErP 35°C Scale from A+++ to D

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

NEW Aquarea High Performance Bi-bloc J Generation Single Phase. Heating and Cooling - SDC • R32 Gas

			Single Phase			
Kit			**KIT-WC03J3E5**	**KIT-WC05J3E5**	**KIT-WC07J3E5**	**KIT-WC09J3E5**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	3,20 / 5,33	5,00 / 5,00	7,00 / 4,76	9,00 / 4,48
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	3,20 / 3,64	4,20 / 3,18	6,85 / 3,41	7,00 / 3,40
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	— / —	— / —	— / —	— / —
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	3,20 / 3,52	4,50 / 3,00	6,70 / 3,03	8,20 / 2,72
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	— / —	— / —	— / —	— / —
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	200 / 136	200 / 136	193 / 130	193 / 130
		SCOP	5,07 / 3,47	5,07 / 3,47	4,90 / 3,32	4,90 / 3,32
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	245 / 165	245 / 165	227 / 160	227 / 160
		SCOP	6,20 / 4,20	6,20 / 4,20	5,75 / 4,07	5,75 / 4,07
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	157 / 110	157 / 110	164 / 116	164 / 116
		SCOP	4,00 / 2,83	4,00 / 2,83	4,18 / 2,98	4,18 / 2,98
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-SDC0305J3E5**	**WH-SDC0305J3E5**	**WH-SDC0709J3E5**	**WH-SDC0709J3E5**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	30 / 30	30 / 31
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	42	42	42	42
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		—	—	—	—
	Input power (Min / Max)	W	— / —	— / —	— / —	— / —
Heating water flow (ΔT=5 K. 35°C)		L/min	9,2	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	— / —	— / —	— / —	— / —
Recommended cable size, supply 1 / 2		mm²	— / —	— / —	— / —	— / —
Outdoor unit			**WH-UD03JE5**	**WH-UD05JE5**	**WH-UD07JE5**	**WH-UD09JE5-1**
Sound power at Quiet Mode 3 (A +7°C, W 55°C)		dB	55	55	59	59
Sound power full load	Heat / Cool	dB	60 / 61	64 / 64	68 / 67	69 / 69
Dimension	H x W x D	mm	622 x 824 x 298	622 x 824 x 298	795 x 875 x 320	795 x 875 x 320
Net weight		kg	37	37	61	61
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9 / 0,608	0,9 / 0,608	1,27 / 0,857	1,27 / 0,857
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range		m	3 ~ 25	3 ~ 25	3 ~ 50	3 ~ 50
Elevation difference (in/out)		m	20	20	30	30
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	20	20	25	25
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories	
CZ-NS4P	Additional functions PCB
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.

R32 | A++ ErP 55°C | A+++ ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | DHW | -23°C HEATING DURING EXTREME OUTDOOR TEMPERATURES | STOP STOP VALVE | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance All in One H Generation Single Phase. Heating and Cooling • R410A Gas

			Single Phase	
Kit			**KIT-ADC12HE5**	**KIT-ADC16HE5**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	12,00 / 2,88	14,50 / 2,68
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	11,40 / 3,44	13,00 / 3,28
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,10 / 2,20	9,80 / 2,17
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	10,00 / 2,73	11,40 / 2,57
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	8,20 / 1,92	9,00 / 1,82
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	10,00 / 2,81	12,20 / 2,56
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	10,00 / 4,17	12,20 / 4,12
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	190 / 134	190 / 130
		SCOP	4,83 / 3,43	4,83 / 3,33
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	245 / 159	245 / 169
		SCOP	6,20 / 4,05	6,20 / 4,30
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	168 / 121	168 / 121
		SCOP	4,28 / 3,10	4,28 / 3,10
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A+	A++ / A+
Indoor unit			**WH-ADC1216H6E5**	**WH-ADC1216H6E5**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33
Dimension / Net weight	H x W x D	mm / kg	1800 x 598 x 717 / 124	1800 x 598 x 717 / 124
Water pipe connector		Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed
	Input power (Min / Max)	W	36 / 152	36 / 152
Heating water flow (ΔT=5 K. 35°C)		L/min	34,4	45,9
Capacity of integrated electric heater		kW	6	6
Recommended fuse		A	30 / 30	30 / 30
Recommended cable size, supply 1 & 2		mm²	3 x 4,0 / 3 x 4,0	3 x 4,0 / 3 x 4,0
Water volume		L	185	185
Maximum water temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Tapping profile according EN16147			L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A	A
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	B
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	95 / 2,38	91 / 2,28
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	110 / 2,75	107 / 2,68
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	75 / 1,80	72 / 1,88
Outdoor unit			**WH-UD12HE5**	**WH-UD16HE5**
Sound power part load	Heat	dB	65	65
Sound power full load	Heat / Cool	dB	69 / 68	72 / 72
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 101	1340 x 900 x 320 / 101
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,55 / 5,324	2,55 / 5,324
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9,52) / 5/8(15,88)	3/8(9,52) / 5/8(15,88)
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 50 / 30	3 ~ 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20

Accessories	
PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Insulated tested under EN12897.
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance All in One H Generation Three Phase. Heating and Cooling • R410A Gas

			Three Phase		
Kit			**KIT-ADC09HE8**	**KIT-ADC12HE8**	**KIT-ADC16HE8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	9,00 / 2,94	12,00 / 2,88	14,50 / 2,68
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00 / 3,59	11,40 / 3,44	13,00 / 3,28
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	8,80 / 2,23	9,10 / 2,20	9,80 / 2,17
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00 / 2,85	10,00 / 2,73	11,40 / 2,57
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	7,90 / 2,05	8,20 / 1,92	9,00 / 1,82
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	7,00 / 3,17	10,00 / 2,85	12,20 / 2,56
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	7,00 / 4,61	10,00 / 4,17	12,20 / 4,12
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	190 / 133	190 / 134	190 / 130
		SCOP	4,83 / 3,40	4,83 / 3,43	4,83 / 3,33
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	245 / 159	245 / 159	245 / 169
		SCOP	6,20 / 4,05	6,20 / 4,05	6,20 / 4,30
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	168 / 121	168 / 121	168 / 121
		SCOP	4,28 / 3,10	4,28 / 3,10	4,28 / 3,10
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-ADC0916H9E8**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension / Net weight	H x W x D	mm / kg	1800 x 598 x 717 / 126	1800 x 598 x 717 / 126	1800 x 598 x 717 / 126
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	36 / 152	36 / 152	36 / 152
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	45,9
Capacity of integrated electric heater		kW	9	9	9
Recommended fuse		A	16 / 16	16 / 16	16 / 16
Recommended cable size, supply 1 & 2		mm²	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Water volume		L	185	185	185
Maximum water temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A	A	A
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A	B
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	95 / 2,38	95 / 2,38	91 / 2,28
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	110 / 2,75	110 / 2,75	107 / 2,68
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	75 / 1,88	75 / 1,80	72 / 1,88
Outdoor unit			**WH-UD09HE8**	**WH-UD12HE8**	**WH-UD16HE8**
Sound power part load	Heat	dB	65	65	65
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68	72 / 72
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 107	1340 x 900 x 320 / 107	1340 x 900 x 320 / 107
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,55 / 5,324	2,55 / 5,324	2,55 / 5,324
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20

Accessories	
PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Insulated tested under EN12897.
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea T-CAP All in One H Generation Single Phase / Three Phase. Heating and Cooling • R410A Gas

			Single Phase		Three Phase		
Kit			**KIT-AXC09HE5**	**KIT-AXC12HE5**	**KIT-AXC09HE8**	**KIT-AXC12HE8**	**KIT-AXC16HE8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00/4,84	12,00/4,74	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	9,00/2,94	12,00/2,88	9,00/2,94	12,00/2,88	16,00/2,71
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00/3,59	12,00/3,44	9,00/3,59	12,00/3,44	16,00/3,10
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,00/2,21	12,00/2,19	9,00/2,21	12,00/2,19	16,00/2,13
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00/2,85	12,00/2,72	9,00/2,85	12,00/2,72	16,00/2,49
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	9,00/2,02	12,00/1,92	9,00/2,02	12,00/1,92	16,00/1,86
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	7,00/3,17	10,00/2,81	7,00/3,17	10,00/2,81	12,20/2,57
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	7,00/5,19	10,00/5,13	7,00/5,19	10,00/5,13	12,20/3,49
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	181/130	170/130	181/130	170/130	160/125
		SCOP	4,60/3,33	4,33/3,33	4,60/3,33	4,33/3,33	4,08/3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++/A++	A++/A++	A+++/A++	A++/A++	A++/A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	235/158	231/158	235/158	231/158	231/159
		SCOP	5,95/4,03	5,85/4,03	5,95/4,03	5,85/4,03	5,85/4,05
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160/125	160/125	160/125	160/125	150/125
		SCOP	4,08/3,20	4,08/3,20	4,08/3,20	4,08/3,20	3,83/3,20
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Indoor unit			**WH-ADC1216H6E5**	**WH-ADC1216H6E5**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension / Net weight	H x W x D	mm / kg	1800x598x717/124	1800x598x717/124	1800x598x717/126	1800x598x717/126	1800x598x717/126
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	36/152	36/152	36/152	36/152	36/152
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	25,8	34,4	45,9
Capacity of integrated electric heater		kW	6	6	9	9	9
Recommended fuse		A	30/30	30/30	16/16	16/16	16/16
Recommended cable size, supply 1 & 2		mm²	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x1,5/5x1,5
Water volume		L	185	185	185	185	185
Maximum water temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A	A	A	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A	A	A	A	A
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A	A	A	B
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	95/2,38	95/2,38	95/2,38	95/2,38	91/2,28
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	110/2,75	110/2,75	110/2,75	110/2,75	107/2,68
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	75/1,88	75/1,88	75/1,88	75/1,80	72/1,88
Outdoor unit			**WH-UX09HE5**	**WH-UX12HE5**	**WH-UX09HE8**	**WH-UX12HE8**	**WH-UX16HE8**
Sound power part load	Heat	dB	66	66	65	65	67
Sound power full load	Heat / Cool	dB	68/67	69/68	68/67	69/68	72/71
Dimension / Net weight	H x W x D	mm / kg	1340x900x320/101	1340x900x320/101	1340x900x320/108	1340x900x320/108	1340x900x320/118
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,85/5,951	2,85/5,951	2,85/5,951	2,85/5,951	2,90/6,055
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range / Elevation difference (in/out)		m / m	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20
Pipe length for additional gas / Additional gas amount		m / g/m	10/50	10/50	10/50	10/50	10/50
Operation range	Outdoor ambient	°C	-28~+35	-28~+35	-28~+35	-28~+35	-28~+35
Water outlet	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20

Accessories	
PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Insulated tested under EN12897.
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea T-CAP All in One H Generation Three Phase. Super Quiet outdoor unit. Heating and Cooling • R410A Gas

			Three Phase		
Kit			**KIT-AQ0C9HE8**	**KIT-AQC12HE8**	**KIT-AQC16HE8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	9,00 / 2,94	12,00 / 2,88	16,00 / 2,71
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00 / 3,59	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,00 / 2,21	12,00 / 2,19	16,00 / 2,13
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00 / 2,85	12,00 / 2,72	16,00 / 2,49
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	9,00 / 2,02	12,00 / 1,92	16,00 / 1,86
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	7,00 / 3,17	10,00 / 2,81	12,20 / 2,57
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	7,00 / 5,19	10,00 / 5,13	12,20 / 3,49
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	181 / 130	170 / 130	160 / 125
		SCOP	4,60 / 3,33	4,33 / 3,33	4,08 / 3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	235 / 158	231 / 158	231 / 159
		SCOP	5,95 / 4,03	5,85 / 4,03	5,85 / 4,05
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160 / 125	160 / 125	150 / 125
		SCOP	4,08 / 3,20	4,08 / 3,20	3,83 / 3,20
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-ADC0916H9E8**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension / Net weight	H x W x D	mm / kg	1800 x 598 x 717 / 126	1800 x 598 x 717 / 126	1800 x 598 x 717 / 126
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	36 / 152	36 / 152	36 / 152
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	45,9
Capacity of integrated electric heater		kW	9	9	9
Recommended fuse		A	16 / 16	16 / 16	16 / 16
Recommended cable size, supply 1 & 2		mm²	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Water volume		L	185	185	185
Maximum water temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A	A	A
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A	B
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	95 / 2,38	95 / 2,38	91 / 2,28
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	110 / 2,75	110 / 2,75	107 / 2,68
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	75 / 1,88	75 / 1,80	72 / 2,35
Outdoor unit			**WH-UQ09HE8**	**WH-UQ12HE8**	**WH-UQ16HE8**
Sound power part load	Heat	dB	58	58	62
Sound power full load	Heat / Cool	dB	61 / 63	62 / 64	65 / 68
Dimension / Net weight	H x W x D	mm / kg	1410 x 1283 x 320 / 151	1410 x 1283 x 320 / 151	1410 x 1283 x 320 / 161
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,85 / 5,951	2,85 / 5,951	2,99 / 6,243
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20

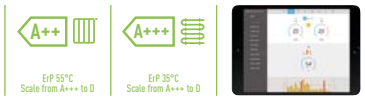
Accessories	
PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Insulated tested under EN12897.
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance Bi-bloc H Generation Single Phase. Heating and Cooling - SDC • R410A Gas

			Single Phase			
Kit			**KIT-WC03H3E5**	**KIT-WC05H3E5**	**KIT-WC07H3E5**	**KIT-WC09H3E5**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	3,20 / 5,00	5,00 / 4,63	7,00 / 4,46	9,00 / 4,13
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	3,20 / 2,67	5,00 / 2,65	6,80 / 2,63	8,90 / 2,41
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	3,20 / 3,56	4,20 / 3,11	6,55 / 3,34	6,70 / 3,13
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	3,20 / 2,15	4,10 / 1,98	6,00 / 1,99	6,00 / 1,99
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	3,20 / 2,69	4,20 / 2,59	5,15 / 2,68	5,90 / 2,52
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	3,20 / 1,72	3,55 / 1,71	4,80 / 1,89	5,80 / 1,88
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	3,20 / 3,08	4,50 / 2,69	6,00 / 2,63	7,00 / 2,43
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	3,30 / 3,75	5,00 / 3,76	6,00 / 3,57	7,00 / 3,26
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	195 / 130	195 / 130	190 / 130	190 / 130
		SCOP	4,95 / 3,33	4,95 / 3,33	4,83 / 3,33	4,83 / 3,33
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	244 / 163	244 / 163	225 / 160	225 / 160
		SCOP	6,18 / 4,15	6,18 / 4,15	5,70 / 4,08	5,70 / 4,08
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	150 / 103	150 / 103	160 / 115	160 / 115
		SCOP	3,83 / 2,65	3,83 / 2,65	4,08 / 2,95	4,08 / 2,95
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-SDC03H3E5-1**	**WH-SDC05H3E5-1**	**WH-SDC07H3E5-1**	**WH-SDC09H3E5-1**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	30 / 30	30 / 30
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	44	44	44	44
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	30 / 100	33 / 106	34 / 114	40 / 120
Heating water flow (ΔT=5 K. 35°C)		L/min	9,2	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	15 / 30	15 / 30	15 / 30	15 / 30
Recommended cable size, supply 1 / 2		mm	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5
Outdoor unit			**WH-UD03HE5-1**	**WH-UD05HE5-1**	**WH-UD07HE5-1**	**WH-UD09HE5-1**
Sound power part load	Heat	dB	55	55	59	59
Sound power full load	Heat / Cool	dB	64 / 65	65 / 66	68 / 66	69 / 68
Dimension	H x W x D	mm	622 x 824 x 298	622 x 824 x 298	795 x 900 x 320	795 x 900 x 320
Net weight		kg	39	39	66	66
Refrigerant (R410A) / CO_2 Eq.		kg / T	1,20 / 2,506	1,20 / 2,506	1,45 / 3,028	1,45 / 3,028
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 40	3 ~ 40
Elevation difference (in/out)		m	5	5	30	30
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	20	20	30	30
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20

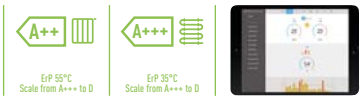
Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories	
CZ-NS4P	Additional functions PCB
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

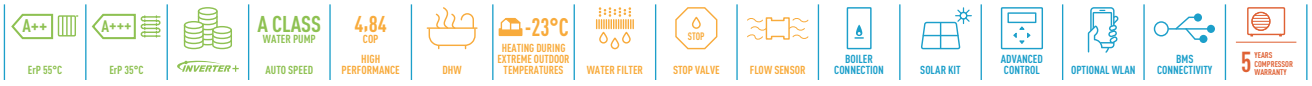
Aquarea High Performance Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SDC • R410A Gas

			Single Phase			Three Phase	
Kit			**KIT-WC12H6E5**	**KIT-WC16H6E5**	**KIT-WC09H3E8**	**KIT-WC12H9E8**	**KIT-WC16H9E8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	12,00/4,74	16,00/4,28	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	12,00/2,88	14,50/2,68	9,00/2,94	12,00/2,88	14,50/2,68
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	11,40/3,44	13,00/3,28	9,00/3,59	11,40/3,44	13,00/3,28
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,10/2,20	9,80/2,17	8,80/2,23	9,10/2,20	9,80/2,17
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	10,00/2,73	11,40/2,57	9,00/2,85	10,00/2,73	11,40/2,57
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	8,20/1,92	9,00/1,82	7,90/2,05	8,20/1,92	9,00/1,82
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	10,00/2,81	12,20/2,56	7,00/3,17	10,00/2,81	12,20/2,56
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	10,00/4,17	12,20/4,12	7,00/4,61	10,00/4,17	12,20/4,12
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	190/134	190/130	190/133	190/134	190/130
		SCOP	4,83/3,43	4,83/3,33	4,83/3,40	4,83/3,43	4,83/3,33
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	245/159	245/169	245/159	245/159	245/169
		SCOP	6,20/4,05	6,20/4,30	6,20/4,05	6,20/4,05	6,20/4,30
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	168/121	168/121	168/121	168/121	168/121
		SCOP	4,28/3,10	4,28/3,10	4,28/3,10	4,28/3,10	4,28/3,10
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Indoor unit			**WH-SDC12H6E5**	**WH-SDC16H6E5**	**WH-SDC09H3E8**	**WH-SDC12H9E8**	**WH-SDC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	44	45	44	45	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	34/110	30/105	32/102	34/110	30/105
Heating water flow (ΔT=5 K. 35°C)		L/min	34,4	45,9	25,8	34,4	45,9
Capacity of integrated electric heater		kW	6	6	3	9	9
Recommended fuse		A	30/30	30/30	15/30	15/30	15/30
Recommended cable size, supply 1 / 2		mm	3 x 4,0 or 6,0/3 x 4,0	3 x 4,0 or 6,0/3 x 4,0	5 x 1,5/5 x 1,5	5 x 1,5/5 x 1,5	5 x 1,5/5 x 1,5
Outdoor unit			**WH-UD12HE5**	**WH-UD16HE5**	**WH-UD09HE8**	**WH-UD12HE8**	**WH-UD16HE8**
Sound power part load	Heat	dB	65	65	65	65	65
Sound power full load	Heat / Cool	dB	69/68	72/72	68/67	69/68	72/72
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	101	101	107	107	107
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range		m	3 ~ 50	3 ~ 50	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	30	30	20	20	20
Pipe length for additional gas		m	10	10	10	10	10
Additional gas amount		g/m	50	50	50	50	50
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20

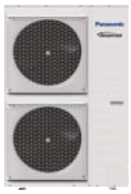
Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories	
CZ-NS4P	Additional functions PCB
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

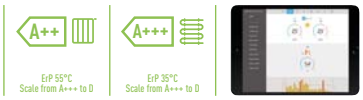
EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).



INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.



GOOD DESIGN AWARD 2017



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea T-CAP Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SXC • R410A Gas

			Single Phase			Three Phase	
Kit			**KIT-WXC09H3E5**	**KIT-WXC12H6E5**	**KIT-WXC09H3E8**	**KIT-WXC12H9E8**	**KIT-WXC16H9E8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00 / 4,84	12,00 / 4,74	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	9,00 / 2,94	12,00 / 2,88	9,00 / 2,94	12,00 / 2,88	16,00 / 2,71
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00 / 3,59	12,00 / 3,44	9,00 / 3,59	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,00 / 2,21	12,00 / 2,19	9,00 / 2,21	12,00 / 2,19	16,00 / 2,13
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00 / 2,85	12,00 / 2,72	9,00 / 2,85	12,00 / 2,72	16,00 / 2,49
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	9,00 / 2,02	12,00 / 1,92	9,00 / 2,02	12,00 / 1,92	16,00 / 1,86
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	7,00 / 3,17	10,00 / 2,81	7,00 / 3,17	10,00 / 2,81	12,20 / 2,57
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	7,00 / 5,19	10,00 / 5,13	7,00 / 5,19	10,00 / 5,13	12,20 / 3,49
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	181 / 130	170 / 130	181 / 130	170 / 130	160 / 125
		SCOP	4,60 / 3,33	4,33 / 3,33	4,60 / 3,33	4,33 / 3,33	4,08 / 3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A++ / A++	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	235 / 158	231 / 158	235 / 158	231 / 158	231 / 159
		SCOP	5,95 / 4,03	5,85 / 4,03	5,95 / 4,03	5,85 / 4,03	5,85 / 4,05
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160 / 125	160 / 125	160 / 125	160 / 125	150 / 125
		SCOP	4,08 / 3,20	4,08 / 3,20	4,08 / 3,20	4,08 / 3,20	3,83 / 3,20
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-SXC09H3E5**	**WH-SXC12H6E5**	**WH-SXC09H3E8**	**WH-SXC12H9E8**	**WH-SXC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	43	43	44	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	6	3	9	9
Recommended fuse		A	30 / 30	30 / 30	16 / 16	16 / 16	16 / 16
Recommended cable size, supply 1 / 2		mm	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0	5 x 1,5 / 3 x 1,5	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Outdoor unit			**WH-UX09HE5**	**WH-UX12HE5**	**WH-UX09HE8**	**WH-UX12HE8**	**WH-UX16HE8**
Sound power part load	Heat	dB	66	66	65	65	67
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68	68 / 67	69 / 68	72 / 71
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	101	101	108	108	118
Refrigerant (R410A)		kg / TCO_2 Eq.	2,85 / 5,951	2,85 / 5,951	2,85 / 5,951	2,85 / 5,951	2,90 / 6,055
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	30	30	30	30	30
Pipe length for additional gas		m	10	10	10	10	10
Additional gas amount		g/m	50	50	50	50	50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20

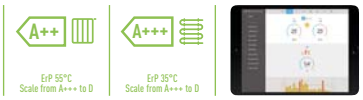
Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories	
CZ-NS4P	Additional functions PCB
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN AWARD 2017



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea T-CAP Bi-bloc H Generation Three Phase. Super Quiet outdoor unit. Heating and Cooling - SQC • R410A Gas

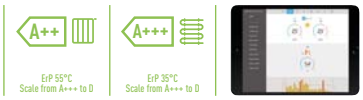
				Three Phase	
Kit			**KIT-WQC09H3E8**	**KIT-WQC12H9E8**	**KIT-WQC16H9E8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	9,00 / 2,94	12,00 / 2,88	16,00 / 2,71
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00 / 3,59	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,00 / 2,21	12,00 / 2,19	16,00 / 2,13
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00 / 2,85	12,00 / 2,72	16,00 / 2,49
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	9,00 / 2,02	12,00 / 1,92	16,00 / 1,86
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	7,00 / 3,17	10,00 / 2,81	12,20 / 2,57
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	7,00 / 5,19	10,00 / 5,13	12,20 / 3,49
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	181 / 130	170 / 130	160 / 125
		SCOP	4,60 / 3,33	4,33 / 3,33	4,08 / 3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	235 / 158	231 / 158	231 / 159
		SCOP	5,95 / 4,03	5,85 / 4,03	5,85 / 4,05
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160 / 125	160 / 125	150 / 125
		SCOP	4,08 / 3,20	4,08 / 3,20	3,83 / 3,20
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-SQC09H3E8**	**WH-SQC12H9E8**	**WH-SQC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	44	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	9	9
Recommended fuse		A	15 / 30	15 / 30	15 / 30
Recommended cable size, supply 1 / 2		mm	5 x 1,5 / 3 x 1,5	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Outdoor unit			**WH-UQ09HE8**	**WH-UQ12HE8**	**WH-UQ16HE8**
Sound power part load	Heat	dB	58	58	62
Sound power full load	Heat / Cool	dB	61 / 63	62 / 64	65 / 68
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	151	151	161
Refrigerant (R410A)		kg / TCO_2 Eq.	2,85 / 5,951	2,85 / 5,951	2,99 / 6,243
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	20	20	20
Pipe length for additional gas		m	10	10	10
Additional gas amount		g/m	50	50	50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories	
CZ-NS4P	Additional functions PCB
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance Mono-bloc H Generation Single Phase. Heating and Cooling - MDC • R410A Gas

			Single Phase				
Outdoor unit			**WH-MDC05H3E5**	**WH-MDC07H3E5**	**WH-MDC09H3E5**	**WH-MDC12H6E5**	**WH-MDC16H6E5**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	5,00 / 5,08	7,00 / 4,52	9,00 / 4,29	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	5,00 / 2,84	7,00 / 2,83	9,00 / 2,72	12,00 / 2,93	14,50 / 2,72
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	4,80 / 3,36	6,60 / 3,30	6,80 / 3,18	11,40 / 3,44	13,00 / 3,28
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	4,00 / 2,33	6,30 / 2,22	6,30 / 2,13	9,10 / 2,23	9,80 / 2,21
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	4,70 / 2,85	5,50 / 2,70	6,40 / 2,60	10,00 / 2,73	11,40 / 2,57
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	4,30 / 1,89	5,00 / 1,82	5,80 / 1,78	8,20 / 1,95	9,00 / 1,84
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	4,50 / 3,28	6,00 / 2,78	7,00 / 2,60	10,00 / 2,81	12,20 / 2,56
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	5,10 / 5,10	6,00 / 3,87	7,00 / 3,59	10,00 / 4,65	12,20 / 4,12
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	199 / 139	190 / 130	190 / 130	190 / 134	190 / 130
		SCOP	5,05 / 3,55	4,83 / 3,33	4,83 / 3,33	4,83 / 3,43	4,83 / 3,33
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	237 / 161	225 / 160	225 / 160	245 / 159	245 / 169
		SCOP	6,00 / 4,10	5,70 / 4,08	5,70 / 4,08	6,20 / 4,05	6,20 / 4,30
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160 / 115	160 / 115	160 / 115	168 / 121	168 / 121
		SCOP	4,08 / 2,95	4,08 / 2,95	4,08 / 2,95	4,28 / 3,10	4,28 / 3,10
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Sound power part load	Heat	dB	55	59	59	65	65
Sound power full load	Heat / Cool	dB	65 / 65	68 / 66	69 / 67	69 / 68	72 / 72
Dimension	H x W x D	mm	865 x 1283 x 320	865 x 1283 x 320	865 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	94	104	104	140	140
Refrigerant (R410A) / CO_2 Eq. [1]		kg / T	1,30 / 2714	1,35 / 2819	1,35 / 2819	2,10 / 4,385	2,10 / 4,385
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	34 / 96	36 / 100	39 / 108	34 / 110	38 / 120
Heating water flow (ΔT=5 K. 35°C)		L/min	14,3	20,1	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	3	3	6	6
Input Power	Heat	kW	0,985	1,55	2,10	2,53	3,74
	Cool	kW	1,37	2,16	2,69	3,56	4,76
Running and Starting current	Heat	A	4,7	7,2	9,6	11,7	16,9
	Cool	A	6,3	9,9	12,2	16,2	21,5
Current 1		A	13,0	21,0	22,9	24,0	26,0
Current 2		A	13,0	13,0	13,0	26,0	26,0
Recommended fuse		A	30 / 15	30 / 15	30 / 16	30 / 30	30 / 30
Recommended cable size, supply 1 / 2		mm²	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	20 ~ 55	20 ~ 55	20 ~ 55	25 ~ 55	25 ~ 55
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	3 way valve

Accessories	
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).
1) WH-MDC models are hermetically sealed.

ErP 55°C | ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5.08 COP HIGH PERFORMANCE | DHW | -23°C HEATING DURING EXTREME OUTDOOR TEMPERATURES | WATER FILTER | STOP VALVE | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

A++ ErP 55°C Scale from A+++ to D

A+++ ErP 35°C Scale from A+++ to D

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea T-CAP Mono-bloc H Generation Single Phase / Three Phase. Heating and Cooling - MXC • R410A Gas

			Single Phase		Three Phase		
Outdoor unit			**WH-MXC09H3E5**	**WH-MXC12H6E5**	**WH-MXC09H3E8**	**WH-MXC12H9E8**	**WH-MXC16H9E8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00 / 4,84	12,00 / 4,74	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	9,00 / 2,94	12,00 / 2,88	9,00 / 2,94	12,00 / 2,88	16,00 / 2,71
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00 / 3,59	12,00 / 3,44	9,00 / 3,59	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	9,00 / 2,21	12,00 / 2,19	9,00 / 2,21	12,00 / 2,19	16,00 / 2,13
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00 / 2,85	12,00 / 2,72	9,00 / 2,85	12,00 / 2,72	16,00 / 2,49
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	9,00 / 2,02	12,00 / 1,92	9,00 / 2,02	12,00 / 1,92	16,00 / 1,86
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	7,00 / 3,17	10,00 / 2,81	7,00 / 3,17	10,00 / 2,81	12,20 / 2,56
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	7,00 / 5,19	10,00 / 5,13	7,00 / 5,19	10,00 / 5,13	12,20 / 3,49
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	181 / 130	170 / 130	181 / 130	170 / 130	160 / 125
		SCOP	4,60 / 3,33	4,33 / 3,33	4,60 / 3,33	4,33 / 3,33	4,08 / 3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A+++ / A++	A++ / A++	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	235 / 158	231 / 158	235 / 158	231 / 158	231 / 159
		SCOP	5,95 / 4,03	5,85 / 4,03	5,95 / 4,03	5,85 / 4,03	5,85 / 4,05
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160 / 125	160 / 125	160 / 125	160 / 125	150 / 125
		SCOP	4,08 / 3,20	4,08 / 3,20	4,08 / 3,20	4,08 / 3,20	3,83 / 3,20
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Sound power part load	Heat	dB	65	65	65	65	66
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68	68 / 67	69 / 68	72 / 71
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	142	142	151	151	164
Refrigerant (R410A) / CO_2 Eq. [1]		kg / T	2,30 / 4,802	2,30 / 4,802	2,30 / 4,802	2,30 / 4,802	2,35 / 4,907
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110	32 / 102	34 / 110	38 / 120
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	6	3	9	9
Input Power	Heat	kW	1,86	2,53	1,86	2,53	3,74
	Cool	kW	2,21	3,56	2,21	3,56	4,76
Running and Starting current	Heat	A	8,8	11,7	3,0	4,0	5,7
	Cool	A	10,4	16,5	3,5	5,3	7,1
Current 1		A	29,0	29,0	14,7	11,9	15,5
Current 2		A	13,0	26,0	13,0	13,0	13,0
Recommended fuse		A	30 / 30	30 / 30	16 / 16	16 / 16	16 / 16
Recommended cable size, supply 1 / 2		mm²	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0	5 x 1,5 / 3 x 1,5	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	3 way valve

Accessories	
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).
1) WH-MXC models are hermetically sealed.

ErP 55°C | ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | -15°C CONSTANT HEATING T-CAP | 60°C OUTPUT WATER FLOW TEMPERATURE | DHW | -28°C HEATING DURING EXTREME OUTDOOR TEMPERATURES | WATER FILTER | STOP VALVE | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea HT Bi-bloc F Generation Single Phase / Three Phase. Heating Only - SHF • R407C Gas

			Single Phase		Three Phase	
Kit			**KIT-WHF09F3E5**	**KIT-WHF12F6E5**	**KIT-WHF09F3E8**	**KIT-WHF12F9E8**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00/4,64	12,00/4,46	9,00/4,64	12,00/4,46
Heating capacity / COP (A +7°C, W 65°C)		kW / COP	9,00/2,48	12,00/2,41	9,00/2,48	12,00/2,41
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00/3,45	12,00/3,26	9,00/3,45	12,00/3,26
Heating capacity / COP (A +2°C, W 65°C)		kW / COP	9,00/2,06	10,30/2,01	9,00/2,06	10,30/2,01
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00/2,74	12,00/2,52	9,00/2,74	12,00/2,52
Heating capacity / COP (A -7°C, W 65°C)		kW / COP	9,00/1,79	9,60/1,77	9,00/1,79	9,60/1,77
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	153/125	150/125	153/125	150/125
		SCOP	3,90/3,20	3,83/3,20	3,90/3,20	3,83/3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	191/156	188/156	191/156	188/156
		SCOP	4,85/3,98	4,78/3,98	4,85/3,98	4,78/3,98
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	137/116	134/113	137/116	134/113
		SCOP	3,50/2,98	3,43/2,90	3,50/2,98	3,43/2,90
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A+/A+	A+/A+	A+/A+	A+/A+
Indoor unit			**WH-SHF09F3E5**	**WH-SHF12F6E5**	**WH-SHF09F3E8**	**WH-SHF12F9E8**
Sound pressure		dB(A)	33	33	33	33
Dimension	H x W x D	mm	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353
Net weight		kg	46	47	47	48
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		7	7	7	7
	Input power (Min/Max)	W	38/100	40/106	38/100	40/106
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4	25,8	34,4
Capacity of integrated electric heater		kW	3	6	3	9
Recommended fuse		A	30/30	30/30	30/16	30/16
Recommended cable size, supply 1 / 2		mm	3 x 4,0 or 6,0/3 x 4,0	3 x 4,0 or 6,0/3 x 4,0	5 x 1,5/3 x 1,5	5 x 1,5/5 x 1,5
Outdoor unit			**WH-UH09FE5**	**WH-UH12FE5**	**WH-UH09FE8**	**WH-UH12FE8**
Sound power part load		dB	—	—	—	—
Sound power full load		dB	66	67	66	67
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	104	104	110	110
Refrigerant (R407C) / CO_2 Eq.		kg / T	2,90/5,145	2,90/5,145	2,90/5,145	2,90/5,145
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	20	20	20	20
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	70	70	70	70
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	25 ~ 65	25 ~ 65	25 ~ 65	25 ~ 65

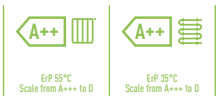
Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled

Accessories	
PAW-3WYVLV-SI	External 3 way valve
PAW-BTANK50L-1	Buffer tank 50L
PA-AW-WIFI-1TE	WLAN interface
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).

ErP 55°C | ErP 35°C | INVERTER+ | A CLASS WATER PUMP 7 SPEEDS | 65°C OUTPUT WATER HIGH TEMPERATURE | DHW | -20°C HEATING MODE | BOILER CONNECTION | SOLAR KIT | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.



Aquarea HT Mono-bloc G Generation Single Phase. Heating Only - MHF • R407C Gas

			Single Phase	
Outdoor unit			**WH-MHF09G3E5**	**WH-MHF12G6E5**
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	9,00/4,64	12,00/4,46
Heating capacity / COP (A +7°C, W 65°C)		kW / COP	9,00/2,48	12,00/2,41
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	9,00/3,45	12,00/3,26
Heating capacity / COP (A +2°C, W 65°C)		kW / COP	9,00/2,06	10,30/2,01
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	9,00/2,74	12,00/2,52
Heating capacity / COP (A -7°C, W 65°C)			9,00/1,79	9,60/1,77
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	153/125	150/125
		SCOP	3,90/3,20	3,83/3,20
Energy Class Heating Average Climate (W35°C / W55°C)		A+++ to D	A++/A++	A++/A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	191/156	188/156
		SCOP	4,85/3,98	4,78/3,98
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	137/116	134/113
		SCOP	3,50/2,98	3,43/2,90
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A+/A+	A+/A+
Sound power part load		dB	—	—
Sound power full load		dB	68	69
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	151	151
Refrigerant (R407C) / CO_2 Eq. [1]		kg / T	1,92/3,406	1,92/3,406
Water pipe connector		Inch	R 1¼	R 1¼
Pump	Number of speeds		7	7
	Input power (Min/Max)	W	—	—
Heating water flow (ΔT=5 K. 35°C)		L/min	25,8	34,4
Capacity of integrated electric heater		kW	3	6
Input Power		kW	1,94	2,69
Running and Starting current		A	9,3	12,8
Current 1		A	28,5	29,0
Current 2		A	13,0	26,0
Recommended fuse		A	30/30	30/30
Recommended cable size, supply 1 / 2		mm²	3 x 4,0 or 6,0/3 x 4,0	3 x 4,0 or 6,0/3 x 4,0
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	25 ~ 65	25 ~ 65

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled

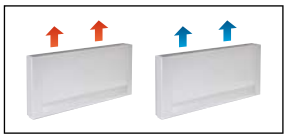
Accessories	
PAW-3WYVLV-SI	External 3 way valve
PAW-BTANK50L-1	Buffer tank 50L
PA-AW-WIFI-1TE	WLAN interface
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height. Heating sound pressure measured at +7°C (heating water at 55°C).
1) WH-MHF models are hermetically sealed.

INTERNET CONTROL: Optional.

AQUAREA AIR

AQUAREA AIR



Aquarea Air Radiators. Fan Coils for Heat Pump application

		PAW-AAIR-200-2			PAW-AAIR-700-2			PAW-AAIR-900-2		
Air flow	**Speed**	**Min**	**Med**	**Max**	**Min**	**Med**	**Max**	**Min**	**Med**	**Max**
Heating mode										
Total heating capacity	W	217,00	470,00	570,00	708,00	1032,00	1188,00	886,00	1420,00	1703,00
Water flow	kg/h	37,30	80,80	98,00	121,80	177,50	204,30	152,40	244,20	292,90
Water pressure drop	kPa	0,40	2,00	2,90	0,30	0,80	1,00	0,50	1,60	2,20
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00
Outlet air temperature	°C	38,90	32,00	30,00	33,30	31,80	30,60	30,20	31,10	30,60
Cooling mode										
Total cooling capacity	W	237,00	345,00	555,00	756,00	1039,00	1204,00	1153,00	1518,00	1746,00
Sensible cooling capacity	W	230,00	314,00	504,00	646,00	903,00	1058,00	1061,00	1384,00	1598,00
Water flow	kg/h	40,00	59,00	95,00	129,00	178,00	207,00	198,00	261,00	300,00
Water pressure drop	kPa	0,40	2,00	2,90	1,00	2,00	2,00	6,00	9,00	12,00
Inlet water temperature	°C	10	10	10	10	10	10	10	10	10
Outlet water temperature	°C	15	15	15	15	15	15	15	15	15
Inlet air temperature	°C	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00
Outlet air temperature	°C	15,00	17,00	18,00	14,00	16,00	17,00	16,00	17,00	18,00
Relative humidity of inlet air	%	47	47	47	47	47	47	47	47	47
Air flow	m³/min	0,90	1,90	2,70	2,60	4,20	5,30	4,10	6,10	7,70
Maximum input power	W	7,00	9,00	13,00	14,00	18,00	22,00	16,00	20,00	24,00
Sound pressure	dB(A)	23	33	40	24	36	42	25	36	44
Dimension (H x W x D)	mm		735 x 579 x 129			935 x 579 x 129			1135 x 579 x 129	
Net weight	kg		17			20			23	
3 ways valve included			Yes			Yes			Yes	
Touch screen thermostat			Yes			Yes			Yes	

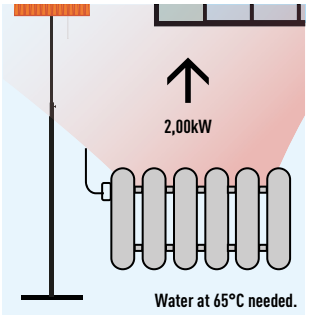
Super low temperature radiators for heat pump application

The slimline Panasonic Aquarea Air radiators deliver high efficiency climate control.

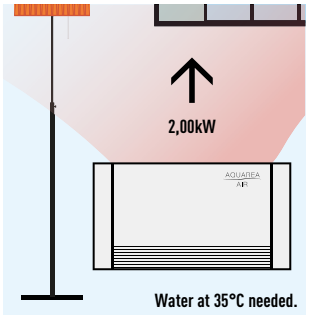
With a depth of just under 13cm they are at the cutting edge of the market. Blending easily into the home, Aquarea Air's elegant design and product refinements are clear to see in every detail.

Exceptional ventilation efficiency means the motor uses considerably less energy (low wattage). The fan speed is continuously modulated by the temperature controller with proportional integral logic, with undoubted advantages for regulating the temperature and humidity in summer mode.

With standard cast radiators.



With Aquarea Air.



Technical focus:

- High heating capacity
- 3 fan speeds and capacities
- Exclusive design
- Extremely compact (only 12,9cm deep)
- Cooling and dehumidification functions possible (drain is needed)
- 3-way valve included (no overflow valve needed on the installation if more than 3 radiators installed)
- Touch screen thermostat

All temperature curves and capacity are available on www.panasonicproclub.com

FAN COILS

NEW 2019

PAW-FC-303TC
Optional Controller.
Wired remote controller.

PAW-FC-RC1
Optional Controller.
Wired remote controller.

Fan Coils

			Compact units								High Static Pressure
Left side connection			**PAW-FC-D11-1**	**PAW-FC-D15-1**	**PAW-FC-D24-1**	**PAW-FC-D28-1**	**PAW-FC-D40-1**	**PAW-FC-D55-1**	**PAW-FC-D65-1**	**PAW-FC-D90-1**	**PAW-FC-H150**
Right side connection			**PAW-FC-D11-1-R**	**PAW-FC-D15-1-R**	**PAW-FC-D24-1-R**	**PAW-FC-D28-1-R**	**PAW-FC-D40-1-R**	**PAW-FC-D55-1-R**	**PAW-FC-D65-1-R**	**PAW-FC-D90-1-R**	**PAW-FC-H150-R**
Total cooling capacity [1]	Med/S-Hi	kW	1,0/1,5	1,2/1,7	2,0/2,5	2,4/3,2	3,2/4,6	4,6/5,8	6,1/7,3	6,1/8,1	11,9/14,8
Sensible cooling capacity [1]	Med/S-Hi	kW	0,8/1,1	0,9/1,3	1,5/1,9	1,8/2,3	2,2/3,3	3,3/4,5	4,3/5,1	4,6/6,3	9,6/12,9
Heating capacity [1]	Med/S-Hi	kW	1,4/2,0	1,5/2,2	2,4/3,1	2,9/4,0	4,1/5,7	5,3/7,1	7,9/9,3	8,1/11,6	14,9/19,9
Power consumption	S-Lo/Med/S-Hi	W	14/24/36	10/18/29	16/37/45	15/37/56	28/55/72	37/75/105	53/100/147	90/112/188	180/421/675
Fuse rating		A	2	2	2	2	2	2	2	2	6
Dimensions (including pan and electrical box)	H x W x D	mm	220x570x430	220x570x430	220x753x430	220x938x430	220x1122x430	220x1307x430	220x1121x530	220x1316x530	356x1600x798
Weight (without water content)		kg	13	13	15	20	22	26	27	38	63
Sound power global	S-Lo/Med/S-Hi	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/46/56	38/51/58	43/56/61	50/55/64	52/64/71
Sound pressure global	S-Lo/Med/S-Hi	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52	41/46/55	31/45/51
Static pressure	Max	Pa	30	30	50	50	70	70	70	70	110
Airflow [1]	Med/S-Hi	m³/h	190/283	179/265	274/390	357/499	486/716	640/933	893/1064	936/1397	2112/3176
Water pressure drop	Med/S-Hi	kPa	19,5/39,2	3,9/6,3	19,3/28,8	17,1/28	22,8/46,9	37,4/60,2	15,4/21,5	19,3/32,5	19,8/26,1
Fan speeds			3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds
Fan motor and total speeds			AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds
Drain pan and Air filter			Included	Included	Included	Included	Included	Included	Included	Included	Included
Water connections		Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1

Accessories	
PAW-FC-RC1	Advanced wired control for Fan Coil
PAW-FC-303TC	Wired remote controller
PAW-FC-2WY-11/55-1	2 way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)
PAW-FC-2WY-65/90-1	2 way valve + drain pan (for PAW-FC-D65/90-1)

Accessories	
PAW-FC-2WY-150	2 way valve (for PAW-FC-H150)
PAW-FC-3WY-11/55-1	3 way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)
PAW-FC-3WY-65/90-1	3 way valve + drain pan (for PAW-FC-D65/90-1)
PAW-FC-3WY-150	3 way valve (for PAW-FC-H150)

1) Airflow and capacity at 0Pa of static pressure. * Performances based on: Cooling: Air: 27°C DB / 19°C WB, Chilled water: 7°C / 12°C - Heating: Air: 20°C DB, Hot water: 50°C / 45°C.

1 Innovation for an optimum comfort

2 Low energy consumption fan

3 Quality and efficient Coil

4 Flexible vertical - horizontal installation

New range of Fan Coil units

Easy to install, improved sound level and performance. New Fan Coil range consist on one compact ducted range ideal for residential and commercial use and one model with high static pressure for commercial applications. The range certified by Eurovent includes drain pan and filter and are equipped with a low consumption fan motor.
The new D type is even more flexible thanks to L Drain pan, same unit can be installed in both Horizontal or in Vertical position.

Fan Coil controller PAW-FC-RC1

This advance control can bring higher level of comfort in heating. The sensor can be used as water flow sensor, stopping the fan when low water temperature, avoiding cold drafts in winter.
Also is ready to use J Generation new feature of defrost mode and stop the Fan Coil.

Features:

- Room thermostat
- 3 outputs, 230V relays for fan control
- 2 outputs, 230V relays for heating / cooling control
- Modbus RTU slave
- 1 DI for presses detection (key card switch)
- 1 AI for sensor

DHW STAND ALONE

The New DHW Stand Alone is a highly efficient wall-mounted heat pump water heater

This space-saving wall-mounted solution is one of the most efficient models available, designed as a perfect replacement for the electric water heater. The wall-mounted installation, fast heat-up time, and auto function for smart piloting all guarantee customer comfort.

Benefits:

- A+ Highly efficient wall mounted Domestic Hot Water Heat Pump
- Provides reduced power consumption by 75% compared with traditional electric water heater
- Multilingual and End-user friendly Remote Controller
- Digital control panel
- Energy consumption monitoring
- Different modes of operation based on end-user needs
- Mode AUTO: Intelligent Temperature Set Point, thanks to monitoring hot water usage
- Mode BOOST, Mode ECO and Mode ABSENCE
- Photovoltaic function
- Compatible with ducted fresh air intake installations

NEW 2019

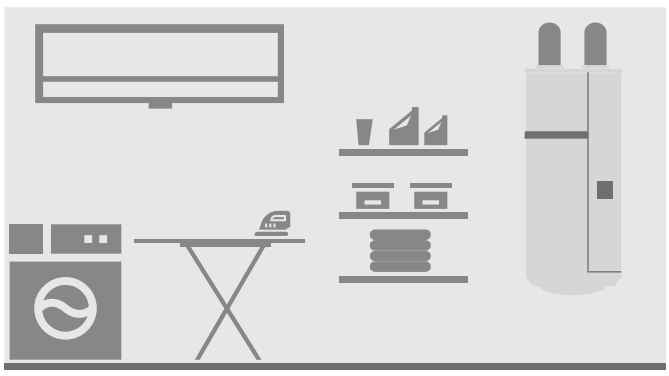
NEW DHW Stand Alone*

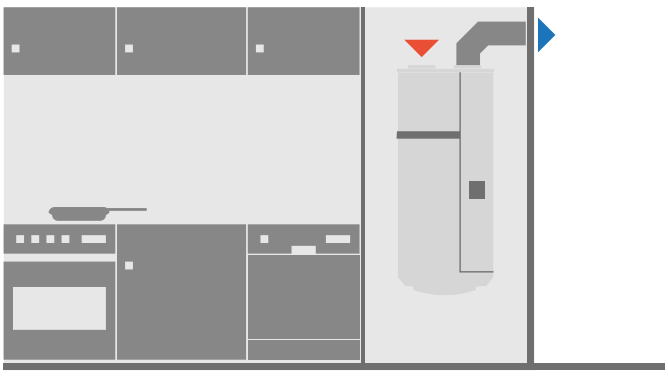
Model		Wall mounted	
Reference		**PAW-DHW100W**	**PAW-DHW150W**
Nominal capacity	L	100	150
Dimensions (H x W x D)	mm	1234 x 522 x 538	1557 x 522 x 538
Empty weight	kg	57	66
Hot and cold connection		3/4" M	3/4" M
Anticorrosion system		Magnesium	Magnesium
Rated water pressure	bar	8	8
Electrical connection	V/Hz	230/50	230/50
Total maximum power	W	1550	1950
Maximal power heat pump	W	350	350
Power electric heating element	W	1200	1600
Heat pump water temperature range	°C	50 ~ 62	50 ~ 62
Heat pump air temperature range	°C	-5 ~ +43	-5 ~ +43
Duct diameter	mm	125	125
Air flow (without duct)	m³/h	160	160
Load losses acceptable on ventilation circuit, without affecting performance	Pa	25	25
Sound power level [1]	dB(A)	45	45
R134a refrigerant capacity	kg	0,6	0,7
Refrigerant volume in tons of CO_2 equivalent	TCO_2 Eq.	0,86	1
Refrigerant weight per liter	kg/L	0,006	0,0046
Hot water quantity at 40°C: V40td in 8h (Off-peak) / 14 (Off-peak+6h)	L	151/289	182/318
Coefficient of performance (at air 7°C ducted, water from 15°C to 53°C)		2,47	2,94
Coefficient of performance (at air 15°C ambient, water from 15°C to 53°C)		2,75	3,21
Acoustic power ErP in ducted configuration [2]	dB(A)	45	45
Acoustic power ErP in ambient configuration [2]	dB(A)	50	50
Energy Efficiency Class (from A+ to F)		A+	A+
Input PV		Yes	Yes
Performance at 7°C air temperature (EN 16147) ducted at 25 Pa			
Coefficient of performance (COP) according load profile		2,47 - M	2,94 - L
Standby power input (P_{es})	W	20	22
Heating up time (t_h)	h. Min	7h27	11h21
Reference hot water temperature (T_{ref})	°C	52,8	53
Flow rate (air)	m³/h	162,7	146,4
Performance at 7°C air temperature (EN 16147)			
Coefficient of performance (COP) according load profile		2,75 - M	3,21 - L
Standby power input (P_{es})	W	18	21
Heating up time (t_h)	h. Min	6h25	9h45
Reference hot water temperature (T_{ref})	°C	52,5	53,1

1) According to ISO3744. 2) Compliant with EN 16147 conditions. * DHW Stand Alone is produced by S.A.T.E.

Ideal for small surfaces

Suitable for all installations (adapted to small surfaces, low ceiling, corner).





SANITARY TANKS

NEW 2019

New Mono-bloc DHW+Ventilation.

Compact solution combining DHW tank and ventilation kit, in one compact surface of 60x60.

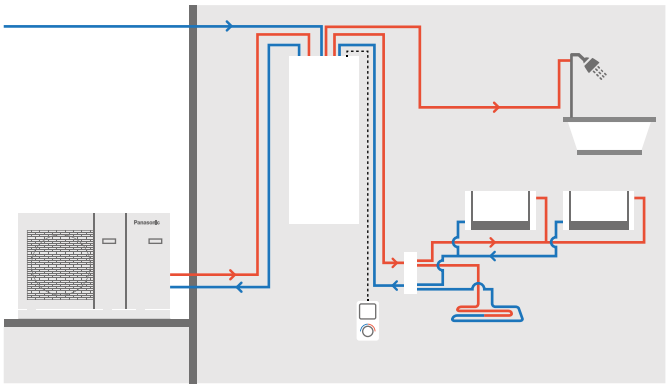
- e-heater included
- Tank sensor included
- 3 way valve included
- All electrical components are pre wired to a metal box
- Possible to attach Aquarea control in the front panel
- Safety valve for DHW
- This solution is great solution for low consumption houses (NZEB)

Ventilation unit produced by Komfovent.
Tank module produced by Austria Email AG.

This is a conceptual image, it may change without prior notice.

Combo Tank.

The best option to combine with Mono-bloc units. DHW tank with buffer tank. Designed for retrofit applications, the DHW 185l tank with a 80l buffer tank is particularly suitable for fast integration on an existing installation. Panasonic has developed a tank with 80l Buffer tank and 185l sanitary hot water cylinder. This tank includes a 3-way valve and an "A" Class pump. Easy to install, nice looking, high efficiency for DHW production and for heating.



Combo Tank

		PAW-TD20B8E3-1	
Dimension H x W x D	mm	1770 x 640 x 690	
Weight (empty)	kg	150	
Volume	L	185	
Power supply	V, Phase, Hz	230, 1, 50	
		Hot water tank	**Buffer tank**
Volume	L	185	80
Max working pressure	MPa (bar)	0,8 (8)	0,6 (6)
Pressure test	MPa (bar)	1,2 (12)	0,9 (9)
Max working temp	°C	90	100
Connections	mm	Ø22	Ø22
Material		S 275 JR vitrified	S235 JR
Insulation	Material, t=mm	PUR, 50	PUR 40mm
Heating coil surface	m²	2,1	—
Electrical heater	W	3000	—
Energy loss at 65°C	kWh/24h	1,3	—

ErP data		**Hot water tank**	**Buffer tank**
Energy efficiency class (from A+ to F)		**B**	**B**
Standing loss	W	53	46
Storage volume	L	185	80

1) EU Regulation 812/2013. 2)Tested pursuant to EN 12897:2006.

NEW Enamelled Tanks

		Enamelled Tank				Enamelled 2 coils Tank (for bivalent Solar + HP)
Model		**PAW-TA15C1E5STD**	**PAW-TA20C1E5STD**	**PAW-TA30C1E5STD**	**PAW-TA40C1E5STD**	**PAW-TA30C2E5STD**
Water volume	L	150	200	290	380	350
Maximum water temperature	°C	95	95	95	95	95
Dimensions (Hight / Diameter)	mm	1210/520	1340/610	1800/610	1835/670	1835/670
Weight / filled with water	kg	109/254	90/280	120/389	191/572	169/519
Electric heater	kW	—	3,00	3,00	3,00	3,00
Power supply	V	—	230	230	230	230
Material inside tank		Enamelled	Enamelled	Enamelled	Enamelled	Enamelled
Exchange surface	m²	1,2	1,8	2,6	3,8	3,5 / 1,2
Energy loss at 65°C [1]	kWh/24h	1,45	1,37	1,61	1,76	1,76
3 Way valve accessory PAW-3WYVLV-SI or CZ-NV1		Optional	Optional	Optional	Optional	Optional
20m temperature sensor cable included		Yes	Yes	Yes	Yes	Yes
Energy losses	W	60	57	67	73	73
Energy Efficiency Class (from A+ to F)		**C**	**B**	**B**	**B**	**B**
Warranty		2 Years	2 Years	2 Years	2 Years	2 Years
Maintenance required		Every 2 years	Every 2 years	Every 2 years	Every 2 years	Every 2 years

1) Insulated tested under EN12897.

Stainless Steel Tank

Model		**PAW-TD20C1E5**	**PAW-TD30C1E5**
Water volume	L	192	280
Maximum water temperature	°C	75	75
Dimensions (Hight / Diameter)	mm	1270/595	1750/595
Weight / filled with water	kg	53/—	65/—
Electric heater	kW	1,50	1,50
Power supply	V	230	230
Material inside tank		Stainless steel	Stainless steel
Exchange surface	m²	1,8	1,8
Energy loss at 65°C [1]	kWh/24h	0,99	1,13
3 Way valve accessory PAW-3WYVLV-SI or CZ-NV1		Optional	Optional
20m temperature sensor cable included		Yes	Yes
Energy losses	W	42	46
Energy Efficiency Class (from A+ to F)		**A**	**A**
Warranty		2 Years	2 Years
Maintenance required		No	No

1) Insulated tested under EN12897. * Includes proportional control thermostat.

NEW Buffer tank

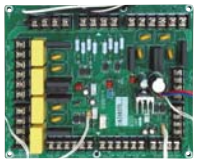
		PAW-BTANK50L-1
Capacity	L	48
Energy losses	W	42
Energy Efficiency Class (from A+ to F)		**B**
Material		Stainless Steel
Dimensions (Hight / Diameter)	mm	435 x 615
Net weight	kg	17

* Automatic air vent and drain cock are included.

Accessories	
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve ready for All in One J and H Generation (optional in internal space)

ACCESSORIES AND CONTROL

Optional PCB's for additional functions



CZ-NS4P
PCB for advanced functions in J and H Generation.

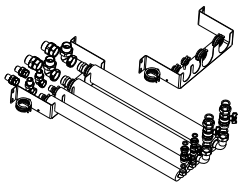
Deice accessories

CZ-NE1P
Base pan heater (for all old Bi-bloc and Mono-bloc, not for the 3 and 5kW).

CZ-NE2P
Base pan heater (for Bi-bloc 3kW and 5kW).

CZ-NE3P
Base pan heater for J and H Generation.

Accessories for All in One



PAW-ADC-PREKIT-1
Flexible pipings and wall mounting plate for All in One J and H Generation.

PAW-ADC-CV150
Decorative magnetic side cover.

Accessories for Aquarea Air

PAW-AAIR-LEGS-1
Kits of 2 legs to support the Aquarea Air on the floor and to protect the water pipings.

Hydraulic accessories

CZ-NV1
3 way valve ready for All in One J and H Generation (optional in internal space).

PAW-3WYVLV-SI
External 3 way valve.

Sanitary tank accessories

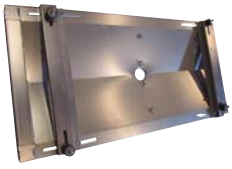
PAW-TS1
Tank sensor with 6m cable length.

PAW-TS2
Tank sensor with 20m cable length.

PAW-TS4
Tank sensor with 6m cable length and only 6mm diameter.

CZ-TK1
Temperature sensor kit for third party tank (with copper pocket and 6m length sensor cable).

Special outdoor supports



PAW-WTRAY
Tray for condenser water compatible with base ground support.

PAW-GRDSTD40
Outdoor elevation platform.

PAW-GRDBSE20
Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg).

Connectivity solutions

CZ-TAW1
Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN.

PAW-AW-KNX-1i
KNX Interface compatible with G and F Generation.

PAW-AW-KNX-H
KNX interface for H Generation.

PAW-AW-MBS-1
Modbus interface compatible with G and F Generation.

PAW-AW-MBS-H
Modbus interface for H Generation.

PA-AW-WIFI-1TE
WLAN accessory with temperature sensor compatible with G and F Generation.

Aquarea Manager accessories (not compatible with J and H Generation)

PAW-HPM1
Aquarea Manager with LCD.

PAW-HPM2
Aquarea Manager without LCD.

PAW-HPMED
Touch screen.

PAW-HPMLCD
LCD Display HPM Manager.

PAW-HPMINT-U
Interface to connect Aquarea Manager to Heat pump Aquarea Bi-bloc (HPM can control all parameters from HP).

PAW-HPMINT-M
Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc (HPM can control all parameters from HP).

PAW-HPMB1
Buffer tank sensor.

PAW-HPMDHW
Buffer tank sensor with well.

PAW-HPMSOL1
Buffer tank sensor solar (with higher temperature range).

PAW-HPMAH1
Water flow pipe sensor for heating circuit.

PAW-HPMUH
Outdoor temperature sensor.

PAW-HPMINT-F
Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc and Bi-bloc F type (HPM can control all parameters from HP).

PAW-HPMR4
Room sensor + set point adaptation.

PAW-DEWPOINTSENSOR
Dew point sensor.

Cascade Controller

PAW-A2W-CMH
NEW Modbus IP for BMS communication.

Fan Coil Controller

PAW-FC-303TC
Fan Coil control.

PAW-FC-RC1
NEW Wired remote controller.

Room thermostats

PAW-A2W-RTWIRED
Wired LCD room thermostat with weekly timer.

PAW-A2W-RTWIRELESS
Wireless LCD room thermostat with weekly timer.

H Generation sensors

PAW-A2W-TSOD
Outdoor ambient sensor.

PAW-A2W-TSRT
Zone room sensor.

PAW-A2W-TSHC
Zone water sensor.

PAW-A2W-TSSO
Solar sensor.

PAW-A2W-TSBU
Buffer tank sensor.

Heating & Cooling capacity tables. Based on outlet temperature and outside temperature.

Aquarea High Performance Bi-bloc J Generation Single Phase. Heating and Cooling • R32 Gas

WH-UD03JE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	2,50	1,11	2,25	2,52	1,31	1,92	2,24	1,59	1,41	2,12	1,80	1,18	—	—	—
-15	3,00	1,14	2,63	3,20	1,37	2,34	3,00	1,62	1,85	2,75	1,92	1,43	—	—	—
-7	2,99	0,91	3,29	3,30	1,18	2,80	3,25	1,47	2,21	3,20	1,79	1,79	3,00	1,88	1,60
2	2,92	0,69	4,23	3,20	0,88	3,64	3,20	1,13	2,83	3,20	1,46	2,19	3,15	1,67	1,89
7	3,09	0,49	6,31	3,20	0,60	5,33	3,20	0,84	3,81	3,20	1,14	2,81	2,95	1,22	2,42
25	3,27	0,23	14,22	3,27	0,38	8,61	3,61	0,63	5,73	4,06	1,11	3,66	4,03	1,14	3,54
WH-UD05JE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	3,60	1,57	2,29	3,51	1,81	1,94	3,16	1,99	1,59	2,46	2,11	1,17	—	—	—
-15	4,46	1,72	2,59	4,20	1,93	2,18	3,75	2,18	1,72	3,00	2,12	1,42	—	—	—
-7	4,18	1,33	3,14	4,20	1,62	2,59	3,80	1,82	2,09	3,55	2,08	1,71	3,25	2,15	1,51
2	4,07	1,01	4,03	4,20	1,32	3,18	4,20	1,64	2,56	4,10	2,06	1,99	4,10	2,21	1,86
7	5,20	0,83	6,27	5,00	1,00	5,00	5,00	1,41	3,55	5,00	1,84	2,72	4,25	2,10	2,02
25	5,00	0,52	9,62	5,00	0,72	6,94	5,30	0,98	5,41	5,60	1,27	4,41	4,80	1,27	3,78
WH-UD07JE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	4,33	1,64	2,64	3,98	1,88	2,12	3,83	2,26	1,69	3,30	2,77	1,19	—	—	—
-15	5,16	1,69	3,05	4,75	2,00	2,38	4,65	2,40	1,94	4,50	2,96	1,52	—	—	—
-7	5,64	1,56	3,62	5,60	1,95	2,87	5,50	2,30	2,39	5,25	2,70	1,94	4,98	2,90	1,72
2	6,80	1,57	4,33	6,85	2,01	3,41	6,75	2,40	2,81	6,20	2,80	2,21	6,18	2,91	2,12
7	7,55	1,15	6,57	7,00	1,47	4,76	7,00	1,96	3,57	7,00	2,48	2,82	6,86	2,75	2,49
25	7,00	0,62	11,29	6,88	0,90	7,64	7,00	1,33	5,26	6,92	1,75	3,95	6,83	1,90	3,59
WH-UD09JE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	4,95	1,93	2,56	6,20	3,00	2,07	5,28	3,09	1,71	4,23	3,33	1,27	—	—	—
-15	7,58	2,70	2,81	7,40	3,20	2,31	6,29	3,26	1,93	5,20	3,42	1,52	—	—	—
-7	6,39	1,81	3,53	6,12	2,20	2,78	5,88	2,61	2,25	5,90	3,06	1,93	5,65	3,24	1,74
2	6,96	1,61	4,32	7,00	2,06	3,40	6,85	2,50	2,74	6,30	2,92	2,16	7,26	3,33	2,18
7	9,44	1,55	6,09	9,00	2,01	4,48	9,00	2,61	3,45	8,95	3,22	2,78	8,62	3,47	2,48
25	8,27	0,95	8,71	8,12	1,29	6,29	8,71	1,80	4,84	7,83	1,97	3,97	6,08	1,72	3,53

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea High Performance Bi-bloc J Generation Single Phase. Heating and Cooling • R32 Gas

WH-UD03JE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	3,56	0,57	6,25	4,32	0,55	7,85	3,47	0,41	8,46
25	3,29	0,73	4,51	4,06	0,72	5,64	3,27	0,52	6,29
35	3,20	0,91	3,52	3,56	0,93	3,83	3,20	0,68	4,71
43	2,68	1,06	2,53	3,34	1,09	3,06	2,79	0,82	3,40
WH-UD05JE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	3,59	0,56	6,41	4,23	0,54	7,83	4,79	0,52	9,21
25	4,61	1,18	3,91	5,54	1,21	4,58	5,23	0,90	5,81
35	4,50	1,50	3,00	5,08	1,51	3,36	4,80	1,12	4,29
43	3,77	1,71	2,20	4,94	1,80	2,74	4,30	1,35	3,19
WH-UD07JE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	5,20	0,81	6,42	6,62	0,73	9,07	7,04	0,72	9,78
25	7,40	1,73	4,28	9,30	1,78	5,22	7,65	1,10	6,95
35	6,70	2,21	3,03	8,10	2,23	3,63	6,70	1,42	4,72
43	4,50	1,99	2,26	5,44	2,00	2,72	5,10	1,71	2,98
WH-UD09JE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	6,91	1,15	6,01	8,50	1,09	7,80	8,94	1,04	8,60
25	8,50	2,10	4,05	10,34	2,16	4,79	8,50	1,38	6,16
35	7,60	2,62	2,90	9,19	2,69	3,42	7,60	1,74	4,37
43	3,80	1,99	1,91	4,70	1,97	2,39	5,35	1,99	2,69

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating & Cooling capacity tables. Based on outlet temperature and outside temperature.

Aquarea High Performance Bi-bloc H Generation Single Phase. Heating and Cooling • R410A Gas

WH-UD03HE5-1

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	3,20	1,26	2,54	3,20	1,39	2,30	3,10	1,52	2,04	3,00	1,64	1,83	2,80	1,78	1,57	2,75	1,92	1,43
-7	3,20	1,08	2,96	3,20	1,19	2,69	3,20	1,34	2,39	3,20	1,48	2,16	3,20	1,67	1,92	3,20	1,86	1,72
2	3,20	0,82	3,90	3,20	0,90	3,56	3,20	1,03	3,11	3,20	1,16	2,76	3,20	1,33	2,41	3,20	1,49	2,15
7	3,20	0,58	5,52	3,20	0,64	5,00	3,20	0,77	4,16	3,20	0,89	3,60	3,20	1,05	3,05	3,20	1,20	2,67
16	3,20	0,50	6,40	3,20	0,55	5,82	3,20	0,64	5,00	3,20	0,72	4,44	3,20	0,86	3,72	3,20	0,99	3,23
25	3,20	0,42	7,62	3,20	0,46	6,96	3,20	0,55	5,82	3,20	0,63	5,08	3,20	0,73	4,38	3,20	0,82	3,90

WH-UD05HE5-1

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	4,20	1,75	2,40	4,20	1,94	2,16	3,80	1,96	1,94	3,40	1,98	1,72	3,20	2,05	1,56	3,00	2,12	1,42
-7	4,20	1,46	2,88	4,20	1,62	2,59	4,00	1,72	2,33	3,80	1,82	2,09	3,70	1,95	1,90	3,55	2,08	1,71
2	4,20	1,22	3,44	4,20	1,35	3,11	4,20	1,50	2,80	4,20	1,65	2,55	4,15	1,86	2,23	4,10	2,07	1,98
7	5,00	0,97	5,15	5,00	1,08	4,63	5,00	1,28	3,91	5,00	1,48	3,38	5,00	1,68	2,98	5,00	1,89	2,65
16	5,00	0,83	6,02	5,00	0,92	5,43	5,00	1,15	4,35	5,00	1,38	3,62	5,00	1,53	3,27	5,00	1,68	2,98
25	5,00	0,74	6,76	5,00	0,82	6,10	5,00	1,02	4,90	5,00	1,22	4,10	5,00	1,35	3,70	5,00	1,49	3,36

WH-UD07HE5-1

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	—	—	—	4,60	1,98	2,32	4,60	2,19	2,10	4,60	2,40	1,92	4,55	2,63	1,73	4,50	2,86	1,57
-7	—	—	—	5,15	1,92	2,68	5,08	2,14	2,37	5,00	2,36	2,12	4,90	2,45	2,00	4,80	2,54	1,89
2	—	—	—	6,55	1,96	3,34	6,58	2,29	2,87	6,60	2,62	2,52	6,30	2,82	2,23	6,00	3,01	1,99
7	—	—	—	7,00	1,57	4,46	7,00	1,84	3,80	7,00	2,10	3,33	6,90	2,35	2,94	6,80	2,59	2,63
25	—	—	—	7,00	0,97	7,22	6,74	1,14	5,91	6,48	1,31	4,95	6,24	1,43	4,36	6,00	1,55	3,87

WH-UD09HE5-1

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	—	—	—	5,90	2,66	2,22	5,65	2,82	2,00	5,40	2,98	1,81	5,20	3,08	1,69	5,00	3,18	1,57
-7	—	—	—	5,90	2,34	2,52	5,85	2,61	2,24	5,80	2,88	2,01	5,80	2,98	1,95	5,80	3,08	1,88
2	—	—	—	6,70	2,14	3,13	6,65	2,38	2,79	6,60	2,62	2,52	6,30	2,82	2,23	6,00	3,01	1,99
7	—	—	—	9,00	2,18	4,13	9,00	2,49	3,61	9,00	2,79	3,23	8,95	3,25	2,75	8,90	3,70	2,41
25	—	—	—	9,00	1,26	7,14	8,66	1,48	5,85	8,32	1,69	4,92	8,03	1,85	4,34	7,74	2,01	3,85

WH-UD12HE5

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	9,30	3,46	2,69	8,90	3,62	2,46	8,50	3,79	2,24	8,10	3,95	2,05	7,50	4,05	1,85	7,00	4,16	1,68
-7	10,40	3,37	3,09	10,00	3,66	2,73	9,60	3,95	2,43	9,20	4,24	2,17	8,70	4,26	2,04	8,20	4,27	1,92
2	11,80	3,10	3,81	11,40	3,31	3,44	11,00	3,53	3,12	10,60	3,74	2,83	9,80	3,94	2,49	9,10	4,14	2,20
7	12,00	2,10	5,71	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	12,00	1,38	8,70	12,00	1,66	7,23	11,80	1,94	6,08	11,70	2,23	5,25	11,50	2,49	4,62	11,40	2,74	4,16

WH-UD16HE5

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	10,60	4,09	2,59	10,30	4,38	2,35	10,00	4,67	2,14	9,70	4,96	1,96	8,80	4,94	1,78	7,90	4,91	1,61
-7	11,90	4,03	2,95	11,40	4,43	2,57	10,80	4,83	2,24	10,30	5,22	1,97	9,60	5,09	1,89	9,00	4,95	1,82
2	13,50	3,74	3,61	13,00	3,96	3,28	12,40	4,18	2,97	11,90	4,40	2,70	10,80	4,46	2,42	9,80	4,51	2,17
7	16,00	3,21	4,98	16,00	3,74	4,28	16,00	4,27	3,75	16,00	4,80	3,33	15,20	5,11	2,97	14,50	5,41	2,68
25	16,00	2,31	6,93	16,00	2,69	5,95	16,00	3,07	5,21	16,00	3,45	4,64	16,00	3,67	4,36	15,90	3,89	4,09

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea High Performance Bi-bloc H Generation Single Phase. Heating and Cooling • R410A Gas

WH-UD03HE5-1									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
18	2,40	0,42	5,71	4,40	0,73	6,03	3,70	0,49	7,55
25	3,20	0,73	4,38	4,10	0,86	4,77	3,50	0,59	5,93
35	3,20	1,04	3,08	3,90	1,07	3,64	3,30	0,74	4,46
43	2,90	1,20	2,42	3,50	1,20	2,92	3,00	0,88	3,41
WH-UD05HE5-1									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
18	4,50	0,89	5,06	5,00	0,90	5,56	5,70	0,90	6,33
25	5,00	1,43	3,50	6,30	1,50	4,20	5,40	1,06	5,09
35	4,50	1,67	2,69	5,50	1,68	3,27	5,00	1,33	3,76
43	3,30	1,53	2,16	4,10	1,52	2,70	4,40	1,53	2,88
WH-UD07HE5-1									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
18	4,80	0,80	6,00	7,20	1,16	6,21	6,00	1,13	5,31
25	7,00	1,90	3,68	8,47	1,78	4,76	6,00	1,27	4,72
35	6,00	2,28	2,63	6,60	2,48	2,66	6,00	1,68	3,57
43	4,85	2,65	1,83	6,00	2,82	2,13	4,80	1,98	2,42
WH-UD09HE5-1									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
18	5,40	1,00	5,40	8,40	1,62	5,19	7,00	1,61	4,35
25	7,85	2,40	3,27	10,20	2,46	4,15	7,00	1,77	3,95
35	7,00	2,88	2,43	7,60	3,20	2,38	7,00	2,15	3,26
43	5,20	2,85	1,82	6,99	3,84	1,82	5,60	2,55	2,20
WH-UD12HE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	7,86	1,18	6,66	13,15	1,40	9,39	10,00	1,73	5,78
25	12,08	2,90	4,17	15,70	2,05	7,66	10,00	1,97	5,08
35	10,00	2,56	3,91	12,00	2,67	4,49	10,00	2,40	4,17
43	7,80	3,80	2,05	11,10	3,19	3,48	8,00	2,85	2,81
WH-UD16HE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	9,20	1,62	5,68	16,40	2,58	6,36	12,20	2,45	4,98
25	14,40	3,92	3,67	19,20	3,83	5,01	12,20	2,79	4,37
35	12,20	4,76	2,56	15,00	4,98	3,01	12,20	2,96	4,12
43	7,75	3,40	2,28	13,80	5,95	2,32	9,70	4,00	2,43

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating & Cooling capacity tables. Based on outlet temperature and outside temperature.

Aquarea High Performance Bi-bloc H Generation Three Phase. Heating and Cooling • R410A Gas

WH-UD09HE8																		
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	8,65	3,06	2,83	8,30	3,21	2,59	7,95	3,41	2,33	7,60	3,61	2,11	7,15	3,71	1,93	6,70	3,81	1,76
-7	9,35	2,91	3,21	9,00	3,16	2,85	8,85	3,54	2,50	8,70	3,92	2,22	8,30	3,89	2,13	7,90	3,86	2,05
2	9,31	2,35	3,96	9,00	2,51	3,59	9,00	2,78	3,24	9,00	3,05	2,95	8,90	3,49	2,55	8,80	3,94	2,23
7	9,00	1,54	5,84	9,00	1,86	4,84	9,00	2,16	4,17	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94
25	9,00	1,05	8,57	9,00	1,24	7,26	8,73	1,44	6,06	8,46	1,64	5,16	8,28	1,82	4,55	8,10	2,00	4,05
WH-UD12HE8																		
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	9,30	3,46	2,69	8,90	3,62	2,46	8,50	3,79	2,24	8,10	3,95	2,05	7,50	4,05	1,85	7,00	4,16	1,68
-7	10,40	3,37	3,09	10,00	3,66	2,73	9,60	3,95	2,43	9,20	4,24	2,17	8,70	4,26	2,04	8,20	4,27	1,92
2	11,80	3,10	3,81	11,40	3,31	3,44	11,00	3,53	3,12	10,60	3,74	2,83	9,80	3,94	2,49	9,10	4,14	2,20
7	12,00	2,10	5,71	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	12,00	1,38	8,70	12,00	1,66	7,23	11,80	1,94	6,08	11,70	2,23	5,25	11,50	2,49	4,62	11,40	2,74	4,16
WH-UD16HE8																		
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	10,60	4,09	2,59	10,30	4,38	2,35	10,00	4,67	2,14	9,70	4,96	1,96	8,80	4,94	1,78	7,90	4,91	1,61
-7	11,90	4,03	2,95	11,40	4,43	2,57	10,80	4,83	2,24	10,30	5,22	1,97	9,60	5,09	1,89	9,00	4,95	1,82
2	13,50	3,74	3,61	13,00	3,96	3,28	12,40	4,18	2,97	11,90	4,40	2,70	10,80	4,46	2,42	9,80	4,51	2,17
7	16,00	3,21	4,98	16,00	3,74	4,28	16,00	4,27	3,75	16,00	4,80	3,33	15,20	5,11	2,97	14,50	5,41	2,68
25	16,00	2,31	6,93	16,00	2,69	5,95	16,00	3,07	5,21	16,00	3,45	4,64	16,00	3,67	4,36	15,90	3,89	4,09

Aquarea High Performance Bi-bloc H Generation Three Phase. Heating and Cooling • R410A Gas

WH-UD09HE8									
Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
16	7,50	1,15	6,52	9,10	1,20	7,58	7,00	1,13	6,19
25	8,35	1,77	4,72	10,90	1,78	6,12	7,00	1,24	5,65
35	7,00	2,23	3,14	8,30	2,32	3,58	7,00	1,52	4,61
43	5,52	2,54	2,17	7,69	2,77	2,78	5,60	1,80	3,11
WH-UD12HE8									
Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
16	7,86	1,18	6,66	13,15	1,40	9,39	10,00	1,73	5,78
25	12,08	2,90	4,17	15,70	2,05	7,66	10,00	1,97	5,08
35	10,00	2,56	3,91	12,00	2,67	4,49	10,00	2,40	4,17
43	7,80	3,80	2,05	11,10	3,19	3,48	8,00	2,85	2,81
WH-UD16HE8									
Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
16	9,20	1,62	5,68	16,40	2,58	6,36	12,20	2,45	4,98
25	14,40	3,92	3,67	19,20	3,83	5,01	12,20	2,79	4,37
35	12,20	4,76	2,56	15,00	4,98	3,01	12,20	2,96	4,12
43	7,75	3,40	2,28	13,80	5,95	2,32	9,70	4,00	2,43

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea T-CAP Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling • R410A Gas

WH-UX09HE5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	9,00	3,24	2,78	9,00	3,51	2,56	9,00	3,91	2,30	9,00	4,30	2,09	9,00	4,73	1,90	9,00	5,16	1,74
-7	9,00	2,71	3,32	9,00	3,16	2,85	9,00	3,62	2,49	9,00	4,07	2,21	9,00	4,27	2,11	9,00	4,46	2,02
2	9,00	2,36	3,81	9,00	2,51	3,59	9,00	2,78	3,24	9,00	3,05	2,95	9,00	3,56	2,53	9,00	4,07	2,21
7	9,00	1,64	5,49	9,00	1,86	4,84	9,00	2,16	4,17	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94
25	13,60	1,50	9,07	13,60	1,71	7,95	13,20	1,93	6,84	12,80	2,14	5,98	12,00	2,41	4,98	11,20	2,67	4,19
WH-UX12HE5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	12,00	4,75	2,53	12,00	4,96	2,42	12,00	5,41	2,22	11,00	5,38	2,04	10,80	5,82	1,86	10,50	6,26	1,68
-7	12,00	3,85	3,12	12,00	4,41	2,72	12,00	4,98	2,41	12,00	5,54	2,17	12,00	5,90	2,03	12,00	6,26	1,92
2	12,00	3,19	3,76	12,00	3,49	3,44	12,00	3,87	3,10	12,00	4,25	2,82	12,00	4,86	2,47	12,00	5,47	2,19
7	12,00	2,18	5,50	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	13,60	1,55	8,77	13,60	1,76	7,73	13,40	2,10	6,38	13,20	2,43	5,43	12,60	2,66	4,74	12,00	2,89	4,15
WH-UX09HE8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	9,00	3,24	2,78	9,00	3,51	2,56	9,00	3,91	2,30	9,00	4,30	2,09	9,00	4,73	1,90	9,00	5,16	1,74
-7	9,00	2,71	3,32	9,00	3,16	2,85	9,00	3,62	2,49	9,00	4,07	2,21	9,00	4,27	2,11	9,00	4,46	2,02
2	9,00	2,36	3,81	9,00	2,51	3,59	9,00	2,78	3,24	9,00	3,05	2,95	9,00	3,56	2,53	9,00	4,07	2,21
7	9,00	1,64	5,49	9,00	1,86	4,84	9,00	2,16	4,17	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94
25	13,60	1,50	9,07	13,60	1,71	7,95	13,20	1,93	6,84	12,80	2,14	5,98	12,00	2,41	4,98	11,20	2,67	4,19
WH-UX12HE8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	12,00	4,75	2,53	12,00	4,96	2,42	12,00	5,41	2,22	12,00	5,86	2,05	11,80	6,24	1,89	11,60	6,62	1,75
-7	12,00	3,85	3,12	12,00	4,41	2,72	12,00	4,98	2,41	12,00	5,54	2,17	12,00	5,90	2,03	12,00	6,26	1,92
2	12,00	3,19	3,76	12,00	3,49	3,44	12,00	3,87	3,10	12,00	4,25	2,82	12,00	4,86	2,47	12,00	5,47	2,19
7	12,00	2,18	5,50	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	13,60	1,55	8,77	13,60	1,76	7,73	13,40	2,10	6,38	13,20	2,43	5,43	12,60	2,66	4,74	12,00	2,89	4,15
WH-UX16HE8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	16,00	6,30	2,54	16,00	6,89	2,32	16,00	7,45	2,15	16,00	8,10	1,98	16,00	8,48	1,89	15,20	8,96	1,70
-7	16,00	5,85	2,74	16,00	6,42	2,49	16,00	7,00	2,29	16,00	7,57	2,11	16,00	8,10	1,98	16,00	8,62	1,86
2	16,00	4,67	3,43	16,00	5,21	3,07	16,00	5,74	2,79	16,00	6,31	2,54	16,00	6,90	2,32	16,00	7,50	2,13
7	16,00	3,35	4,78	16,00	3,74	4,28	16,00	4,30	3,72	16,00	4,80	3,33	16,00	5,43	2,95	16,00	5,91	2,71
16	16,00	2,59	6,18	16,00	3,18	5,03	16,00	3,71	4,31	16,00	4,27	3,75	16,00	4,86	3,29	16,00	5,22	3,07
25	16,00	2,02	7,92	16,00	2,58	6,20	16,00	2,91	5,50	16,00	3,36	4,76	16,00	3,74	4,28	16,00	4,00	4,00

Aquarea T-CAP Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling • R410A Gas

Models				**WH-UX09HE5**						**WH-UX12HE5**								
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
18	7,00	1,36	5,15	8,55	1,41	6,06	7,00	1,00	7,00	10,00	1,75	5,71	13,20	1,96	6,73	10,00	1,40	7,14
25	7,65	1,91	4,01	11,10	1,98	5,61	7,00	1,10	6,36	11,20	2,67	4,19	16,50	3,01	5,48	10,00	1,60	6,25
35	7,00	2,21	3,17	9,23	2,37	3,89	7,00	1,35	5,19	10,00	3,56	2,81	12,55	3,63	3,46	10,00	1,95	5,13
43	6,25	2,66	2,35	8,55	2,71	3,15	5,60	1,60	3,50	8,00	3,35	2,39	10,00	3,46	2,89	8,00	2,30	3,48
Models				**WH-UX09HE8**			**WH-UX12HE8**						**WH-UX16HE8**					
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**18**	**18**	**18**	**7**	**7**	**7**	**18**	**18**	**18**	**7**	**7**	**7**	**18**	**18**	**18**
18	7,00	1,36	5,15	—	—	—	7,50	1,41	5,32	—	—	—	8,50	1,70	5,00	10,00	1,70	5,88
25	7,65	1,91	4,01	—	—	—	8,90	2,16	4,12	—	—	—	14,00	4,00	3,50	14,00	2,94	4,76
35	7,00	2,21	3,17	—	—	—	10,00	3,56	2,81	—	—	—	12,20	4,76	2,56	12,20	3,50	3,49
43	6,25	2,66	2,35	—	—	—	8,00	3,01	2,66	—	—	—	7,10	3,31	2,15	9,80	3,31	2,96

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating & Cooling capacity tables. Based on outlet temperature and outside temperature.

Aquarea T-CAP Bi-bloc H Generation Three Phase. Super Quiet outdoor unit. Heating and Cooling - SQC • R410A Gas

WH-UQ09HE8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	9,00	3,24	2,78	9,00	3,51	2,56	9,00	3,91	2,30	9,00	4,30	2,09	9,00	4,73	1,90	9,00	5,16	1,74
-7	9,00	2,71	3,32	9,00	3,16	2,85	9,00	3,62	2,49	9,00	4,07	2,21	9,00	4,27	2,11	9,00	4,46	2,02
2	9,00	2,36	3,81	9,00	2,51	3,59	9,00	2,78	3,24	9,00	3,05	2,95	9,00	3,56	2,53	9,00	4,07	2,21
7	9,00	1,64	5,49	9,00	1,86	4,84	9,00	2,16	4,17	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94
25	13,60	1,50	9,07	13,60	1,71	7,95	13,20	1,93	6,84	12,80	2,14	5,98	12,00	2,41	4,98	11,20	2,67	4,19
WH-UQ12HE8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	12,00	4,75	2,53	12,00	4,96	2,42	12,00	5,41	2,22	12,00	5,86	2,05	11,80	6,24	1,89	11,60	6,62	1,75
-7	12,00	3,85	3,12	12,00	4,41	2,72	12,00	4,98	2,41	12,00	5,54	2,17	12,00	5,90	2,03	12,00	6,26	1,92
2	12,00	3,19	3,76	12,00	3,49	3,44	12,00	3,87	3,10	12,00	4,25	2,82	12,00	4,86	2,47	12,00	5,47	2,19
7	12,00	2,18	5,50	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	13,60	1,55	8,77	13,60	1,76	7,73	13,40	2,10	6,38	13,20	2,43	5,43	12,60	2,66	4,74	12,00	2,89	4,15
WH-UQ16HE8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	16,00	6,30	2,54	16,00	6,89	2,32	16,00	7,45	2,15	16,00	8,10	1,98	16,00	8,48	1,89	15,20	8,96	1,70
-7	16,00	5,85	2,74	16,00	6,42	2,49	16,00	7,00	2,29	16,00	7,57	2,11	16,00	8,10	1,98	16,00	8,62	1,86
2	16,00	4,67	3,43	16,00	5,21	3,07	16,00	5,74	2,79	16,00	6,31	2,54	16,00	6,90	2,32	16,00	7,50	2,13
7	16,00	3,35	4,78	16,00	3,74	4,28	16,00	4,30	3,72	16,00	4,80	3,33	16,00	5,43	2,95	16,00	5,91	2,71
16	16,00	2,59	6,18	16,00	3,18	5,03	16,00	3,71	4,31	16,00	4,27	3,75	16,00	4,86	3,29	16,00	5,22	3,07
25	16,00	2,02	7,92	16,00	2,58	6,20	16,00	2,91	5,50	16,00	3,36	4,76	16,00	3,74	4,28	16,00	4,00	4,00

Aquarea T-CAP Bi-bloc H Generation Three Phase. Super Quiet outdoor unit. Heating and Cooling - SQC • R410A Gas

WH-UQ09HE8						
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**18**	**18**	**18**
18	7,00	1,36	5,15	—	—	—
25	7,65	1,91	4,01	—	—	—
35	7,00	2,21	3,17	—	—	—
43	6,25	2,66	2,35	—	—	—
WH-UQ12HE8						
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**18**	**18**	**18**
18	7,50	1,41	5,32	—	—	—
25	8,90	2,16	4,12	—	—	—
35	10,00	3,56	2,81	—	—	—
43	8,00	3,01	2,66	—	—	—
WH-UQ16HE8						
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**18**	**18**	**18**
18	8,50	1,70	5,00	10,00	1,70	5,88
25	14,00	4,00	3,50	14,00	2,94	4,76
35	12,20	4,76	2,56	12,20	3,50	3,49
43	7,10	3,31	2,15	9,80	3,31	2,96

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea High Performance Mono-bloc H Generation Single Phase. Heating and Cooling - MDC • R410A Gas

WH-MDC05H3E5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	5,13	2,02	2,54	5,00	2,20	2,27	4,88	2,39	2,04	4,75	2,57	1,85	4,08	2,29	1,78	3,40	2,00	1,70
-7	4,80	1,49	3,23	4,70	1,65	2,85	4,60	1,82	2,53	4,50	1,98	2,27	4,40	2,13	2,07	4,30	2,28	1,89
2	5,10	1,34	3,81	4,80	1,43	3,36	4,50	1,52	2,96	4,20	1,61	2,61	4,10	1,67	2,46	4,00	1,72	2,33
7	5,00	0,79	6,33	5,00	0,99	5,08	5,00	1,18	4,24	5,00	1,37	3,65	5,00	1,57	3,19	5,00	1,76	2,84
12	4,85	0,77	6,29	4,83	0,89	5,46	4,82	1,00	4,82	4,80	1,12	4,29	4,74	1,25	3,81	4,68	1,37	3,42
WH-MDC07H3E5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	4,60	1,68	2,75	4,60	1,89	2,43	4,60	2,11	2,19	4,60	2,32	1,98	4,55	2,56	1,78	4,50	2,79	1,61
-7	5,60	1,88	2,99	5,50	2,04	2,70	5,40	2,21	2,45	5,30	2,37	2,24	5,15	2,56	2,01	5,00	2,75	1,82
2	6,65	1,79	3,73	6,60	2,00	3,30	6,55	2,22	2,96	6,50	2,43	2,67	6,40	2,64	2,43	6,30	2,84	2,22
7	7,00	1,33	5,28	7,00	1,55	4,52	7,00	1,78	3,94	7,00	2,00	3,50	7,00	2,24	3,13	7,00	2,47	2,83
12	7,00	1,30	5,38	7,00	1,45	4,83	7,05	1,65	4,27	7,10	1,90	3,74	7,15	2,10	3,40	7,20	2,30	3,13
WH-MDC09H3E5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	6,10	2,34	2,61	5,90	2,50	2,36	5,70	2,67	2,14	5,50	2,83	1,94	5,25	2,99	1,76	5,00	3,14	1,59
-7	6,55	2,26	2,90	6,40	2,46	2,60	6,25	2,66	2,35	6,10	2,86	2,13	5,95	3,06	1,95	5,80	3,25	1,78
2	6,85	1,92	3,58	6,80	2,14	3,18	6,75	2,37	2,85	6,70	2,59	2,59	6,50	2,78	2,34	6,30	2,96	2,13
7	9,00	1,80	5,01	9,00	2,10	4,29	9,00	2,41	3,74	9,00	2,71	3,32	9,00	3,01	2,99	9,00	3,31	2,72
12	9,10	1,61	5,65	9,00	1,79	5,03	9,00	2,09	4,31	9,10	2,40	3,79	9,20	2,80	3,29	9,30	3,00	3,10
WH-MDC12H6E5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	9,30	3,46	2,69	8,90	3,62	2,46	8,50	3,79	2,24	8,10	3,95	2,05	—	—	—	7,00	4,10	1,71
-7	10,40	3,37	3,09	10,00	3,66	2,73	9,60	3,95	2,43	9,20	4,24	2,17	—	—	—	8,20	4,21	1,95
2	11,80	3,10	3,81	11,40	3,31	3,44	11,00	3,53	3,12	10,60	3,74	2,83	—	—	—	9,10	4,08	2,23
7	12,00	2,10	5,71	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	—	—	—	12,00	4,10	2,93
12	12,00	1,38	8,70	12,00	1,66	7,23	11,80	1,94	6,08	11,70	2,23	5,25	—	—	—	11,40	2,74	4,16
WH-MDC16H6E5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	10,60	4,09	2,59	10,30	4,38	2,35	10,00	4,67	2,14	9,70	4,96	1,96	7,90	4,84	1,63	—	—	—
-7	11,90	4,03	2,95	11,40	4,43	2,57	10,80	4,83	2,24	10,30	5,22	1,97	9,00	4,88	1,84	—	—	—
2	13,50	13,74	0,98	13,00	3,96	3,28	12,40	4,18	2,97	11,90	4,40	2,70	9,80	4,44	2,21	—	—	—
7	16,00	3,21	4,98	16,00	3,74	4,28	16,00	4,27	3,75	16,00	4,80	3,33	14,50	5,33	2,72	—	—	—
12	16,00	2,31	6,93	16,00	2,69	5,95	16,00	3,07	5,21	16,00	3,45	4,64	15,90	3,89	4,09	—	—	—

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating & Cooling capacity tables. Based on outlet temperature and outside temperature.

Aquarea High Performance Mono-bloc H Generation Single Phase. Heating and Cooling - MDC • R410A Gas

WH-MDC05H3E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
24	5,15	1,06	4,86	6,45	1,05	6,14	5,90	0,73	8,08
35	4,50	1,37	3,28	5,52	1,36	4,06	5,10	1,00	5,10
43	3,74	1,55	2,41	4,65	1,60	2,91	4,25	1,20	3,54
WH-MDC07H3E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
24	6,85	1,78	3,85	8,15	1,80	4,53	7,10	1,20	5,92
35	6,00	2,16	2,78	5,35	1,53	3,51	6,00	1,55	3,87
43	4,90	2,48	1,98	4,45	1,80	2,47	5,10	1,85	2,76
WH-MDC09H3E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
24	7,30	1,92	3,80	8,60	1,98	4,34	8,20	1,55	5,29
35	7,00	2,69	2,60	6,40	1,93	3,32	7,00	1,95	3,59
43	5,25	2,84	1,85	5,40	2,25	2,40	6,00	2,30	2,61
WH-MDC12H6E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	7,86	1,18	6,66	13,15	2,05	6,41	10,00	1,73	5,78
25	12,08	2,90	4,17	15,70	3,05	5,15	10,00	1,97	5,08
35	10,00	3,56	2,81	12,00	3,67	3,27	10,00	2,15	4,65
43	7,80	3,80	2,05	11,10	3,19	3,48	8,00	2,85	2,81
WH-MDC16H6E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	9,20	1,62	5,68	16,40	2,58	6,36	12,20	2,45	4,98
25	14,40	3,92	3,67	19,20	3,83	5,01	12,20	2,79	4,37
35	12,20	4,76	2,56	15,00	4,98	3,01	12,20	2,96	4,12
43	7,75	3,40	2,28	13,80	5,95	2,32	9,70	4,00	2,43

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea T-CAP Mono-bloc H Generation Single Phase / Three Phase. Heating and Cooling - MXC • R410A Gas

WH-MXC09H3E5 / WH-MXC09H3E8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	9,00	3,24	2,78	9,00	3,51	2,56	9,00	3,91	2,30	9,00	4,30	2,09	9,00	4,73	1,90	9,00	5,16	1,74
-7	9,00	2,71	3,32	9,00	3,16	2,85	9,00	3,62	2,49	9,00	4,07	2,21	9,00	4,27	2,11	9,00	4,46	2,02
2	9,00	2,36	3,81	9,00	2,51	3,59	9,00	2,78	3,24	9,00	3,05	2,95	9,00	3,56	2,53	9,00	4,07	2,21
7	9,00	1,64	5,49	9,00	1,86	4,84	9,00	2,16	4,17	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94
25	13,60	1,50	9,07	13,60	1,71	7,95	13,20	1,93	6,84	12,80	2,14	5,98	12,00	2,41	4,98	11,20	2,67	4,19
WH-MXC12H6E5																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	12,00	4,75	2,53	12,00	4,96	2,42	12,00	5,41	2,22	11,00	5,38	2,04	10,80	5,82	1,86	10,50	6,26	1,68
-7	12,00	3,85	3,12	12,00	4,41	2,72	12,00	4,98	2,41	12,00	5,54	2,17	12,00	5,90	2,03	12,00	6,26	1,92
2	12,00	3,19	3,76	12,00	3,49	3,44	12,00	3,87	3,10	12,00	4,25	2,82	12,00	4,86	2,47	12,00	5,47	2,19
7	12,00	2,18	5,50	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	13,60	1,55	8,77	13,60	1,76	7,73	13,40	2,10	6,38	13,20	2,43	5,43	12,60	2,66	4,74	12,00	2,89	4,15
WH-MXC12H9E8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	12,00	4,75	2,53	12,00	4,96	2,42	12,00	5,41	2,22	12,00	5,86	2,05	11,80	6,24	1,89	11,60	6,62	1,75
-7	12,00	3,85	3,12	12,00	4,41	2,72	12,00	4,98	2,41	12,00	5,54	2,17	12,00	5,90	2,03	12,00	6,26	1,92
2	12,00	3,19	3,76	12,00	3,49	3,44	12,00	3,87	3,10	12,00	4,25	2,82	12,00	4,86	2,47	12,00	5,47	2,19
7	12,00	2,18	5,50	12,00	2,53	4,74	12,00	2,96	4,05	12,00	3,39	3,54	12,00	3,78	3,17	12,00	4,16	2,88
25	13,60	1,55	8,77	13,60	1,76	7,73	13,40	2,10	6,38	13,20	2,43	5,43	12,60	2,66	4,74	12,00	2,89	4,15
WH-MXC16H9E8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**30**	**30**	**30**	**35**	**35**	**35**	**40**	**40**	**40**	**45**	**45**	**45**	**50**	**50**	**50**	**55**	**55**	**55**
-15	16,00	6,30	2,54	16,00	6,89	2,32	16,00	7,45	2,15	16,00	8,10	1,98	16,00	8,48	1,89	15,20	8,96	1,70
-7	16,00	5,85	2,74	16,00	6,42	2,49	16,00	7,00	2,29	16,00	7,57	2,11	16,00	8,10	1,98	16,00	8,62	1,86
2	16,00	4,67	3,43	16,00	5,21	3,07	16,00	5,74	2,79	16,00	6,31	2,54	16,00	6,90	2,32	16,00	7,50	2,13
7	16,00	3,35	4,78	16,00	3,74	4,28	16,00	4,30	3,72	16,00	4,80	3,33	16,00	5,43	2,95	16,00	5,91	2,71
16	16,00	2,59	6,18	16,00	3,18	5,03	16,00	3,71	4,31	16,00	4,27	3,75	16,00	4,86	3,29	16,00	5,22	3,07
25	16,00	2,02	7,92	16,00	2,58	6,20	16,00	2,91	5,50	16,00	3,36	4,76	16,00	3,74	4,28	16,00	4,00	4,00

Aquarea T-CAP Mono-bloc H Generation Single Phase / Three Phase. Heating and Cooling - MXC • R410A Gas

Models				**WH-MXC09H3E5**						**WH-MXC12H6E5**								
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
18	7,00	1,36	5,15	8,55	1,41	6,06	7,00	1,00	7,00	10,00	1,75	5,71	13,20	1,96	6,73	10,00	1,40	7,14
25	7,65	1,91	4,01	11,10	1,98	5,61	7,00	1,10	6,36	11,20	2,67	4,19	16,50	3,01	5,48	10,00	1,60	6,25
35	7,00	2,21	3,17	9,23	2,37	3,89	7,00	1,35	5,19	10,00	3,56	2,81	12,55	3,63	3,46	10,00	1,95	5,13
43	6,25	2,66	2,35	8,55	2,71	3,15	5,60	1,60	3,50	8,00	3,35	2,39	10,00	3,46	2,89	8,00	2,30	3,48
Models				**WH-MXC09H3E8**						**WH-MXC12H9E8**						**WH-MXC16H9E8**		
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**18**	**18**	**18**	**7**	**7**	**7**	**18**	**18**	**18**	**7**	**7**	**7**	**18**	**18**	**18**
18	7,00	1,36	5,15	—	—	—	7,50	1,41	5,32	—	—	—	8,50	1,70	5,00	10,00	1,70	5,88
25	7,65	1,91	4,01	—	—	—	8,90	2,16	4,12	—	—	—	14,00	4,00	3,50	14,00	2,94	4,76
35	7,00	2,21	3,17	—	—	—	10,00	3,56	2,81	—	—	—	12,20	4,76	2,56	12,20	3,50	3,49
43	6,25	2,66	2,35	—	—	—	8,00	3,01	2,66	—	—	—	7,10	3,31	2,15	9,80	3,31	2,96

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating & Cooling capacity tables. Based on outlet temperature and outside temperature.

Aquarea HT Bi-bloc F Generation Single Phase / Three Phase. Heating Only • R407C Gas

WH-UH09FE5

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55	60	60	60	65	65	65
-15	9,00	3,46	2,60	9,00	3,71	2,43	9,00	4,01	2,24	8,80	4,26	2,07	8,60	4,61	1,87	8,50	4,91	1,73	8,00	5,06	1,58	7,80	5,86	1,33
-7	9,00	3,06	2,94	9,00	3,29	2,74	9,00	3,56	2,53	8,90	3,83	2,32	8,90	4,11	2,17	8,90	4,46	2,00	8,90	4,96	1,79	8,90	5,46	1,63
2	9,00	2,43	3,70	9,00	2,61	3,45	9,00	2,91	3,09	9,00	3,21	2,80	9,00	3,55	2,54	9,00	3,88	2,32	9,00	4,35	2,07	9,00	4,76	1,89
7	9,00	1,82	4,95	9,00	1,94	4,64	9,00	2,21	4,07	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94	9,00	3,46	2,60	9,00	3,96	2,27
16	9,00	1,46	6,16	9,00	1,56	5,77	9,00	1,81	4,97	8,90	2,02	4,41	8,80	2,31	3,81	8,60	2,52	3,41	8,20	2,77	2,96	8,20	3,18	2,58
25	12,00	1,66	7,23	12,00	1,76	6,82	12,00	2,01	5,97	10,80	2,14	5,05	10,60	2,46	4,31	10,20	2,66	3,83	9,80	2,89	3,39	9,60	3,31	2,90

WH-UH12FE5

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55	60	60	60	65	65	65
-15	12,00	5,16	2,33	12,00	5,53	2,17	11,00	5,51	2,00	10,60	5,53	1,92	10,30	5,63	1,83	9,70	5,76	1,68	9,00	6,01	1,50	8,00	6,11	1,31
-7	12,00	4,43	2,71	12,00	4,76	2,52	11,50	4,91	2,34	11,20	5,06	2,21	10,80	5,16	2,09	10,10	5,28	1,91	10,00	5,66	1,77	9,60	5,91	1,62
2	12,00	3,42	3,51	12,00	3,68	3,26	11,50	3,86	2,98	11,30	4,14	2,73	11,00	4,51	2,44	10,80	4,86	2,22	10,65	5,31	2,01	10,30	5,59	1,84
7	12,00	2,52	4,76	12,00	2,69	4,46	12,00	3,06	3,92	12,00	3,44	3,49	12,00	3,81	3,15	12,00	4,28	2,80	12,00	4,76	2,52	12,00	5,41	2,22
16	12,00	2,03	5,91	12,00	2,17	5,53	12,00	2,52	4,76	12,00	2,86	4,20	11,50	3,19	3,61	11,50	3,48	3,30	11,00	3,82	2,88	11,00	4,37	2,52
25	12,00	1,66	7,23	12,00	1,76	6,82	12,00	2,01	5,97	11,80	2,41	4,90	11,20	2,64	4,24	10,80	2,86	3,78	10,50	3,11	3,38	10,30	3,62	2,85

WH-UH09FE8

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55	60	60	60	65	65	65
-15	9,00	3,46	2,60	9,00	3,71	2,43	9,00	4,01	2,24	8,80	4,26	2,07	8,60	4,61	1,87	8,50	4,91	1,73	8,00	5,06	1,58	7,80	5,86	1,33
-7	9,00	3,06	2,94	9,00	3,29	2,74	9,00	3,56	2,53	8,90	3,83	2,32	8,90	4,11	2,17	8,90	4,46	2,00	8,90	4,96	1,79	8,90	5,46	1,63
2	9,00	2,43	3,70	9,00	2,61	3,45	9,00	2,91	3,09	9,00	3,21	2,80	9,00	3,55	2,54	9,00	3,88	2,32	9,00	4,35	2,07	9,00	4,76	1,89
7	9,00	1,82	4,95	9,00	1,94	4,64	9,00	2,21	4,07	9,00	2,46	3,66	9,00	2,76	3,26	9,00	3,06	2,94	9,00	3,46	2,60	9,00	3,96	2,27
16	9,00	1,46	6,16	9,00	1,56	5,77	9,00	1,81	4,97	8,90	2,02	4,41	8,80	2,31	3,81	8,60	2,52	3,41	8,20	2,77	2,96	8,20	3,18	2,58
25	12,00	1,66	7,23	12,00	1,76	6,82	12,00	2,01	5,97	10,80	2,14	5,05	10,60	2,46	4,31	10,20	2,66	3,83	9,80	2,89	3,39	9,60	3,31	2,90

WH-UH12FE8

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55	60	60	60	65	65	65
-15	12,00	5,16	2,33	12,00	5,53	2,17	11,00	5,51	2,00	10,60	5,53	1,92	10,30	5,63	1,83	9,70	5,76	1,68	9,00	6,01	1,50	8,00	6,11	1,31
-7	12,00	4,43	2,71	12,00	4,76	2,52	11,50	4,91	2,34	11,20	5,06	2,21	10,80	5,16	2,09	10,10	5,28	1,91	10,00	5,66	1,77	9,60	5,91	1,62
2	12,00	3,42	3,51	12,00	3,68	3,26	11,50	3,86	2,98	11,30	4,14	2,73	11,00	4,51	2,44	10,80	4,86	2,22	10,65	5,31	2,01	10,30	5,59	1,84
7	12,00	2,52	4,76	12,00	2,69	4,46	12,00	3,06	3,92	12,00	3,44	3,49	12,00	3,81	3,15	12,00	4,28	2,80	12,00	4,76	2,52	12,00	5,41	2,22
16	12,00	2,03	5,91	12,00	2,17	5,53	12,00	2,52	4,76	12,00	2,86	4,20	11,50	3,19	3,61	11,50	3,48	3,30	11,00	3,82	2,88	11,00	4,37	2,52
25	12,00	1,66	7,23	12,00	1,76	6,82	12,00	2,01	5,97	11,80	2,41	4,90	11,20	2,64	4,24	10,80	2,86	3,78	10,50	3,11	3,38	10,30	3,62	2,85

Aquarea HT Mono-bloc G Generation Single Phase. Heating Only - MHF • R407C Gas

WH-MHF09G3E5

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	9,00	3,46	2,60	9,00	3,71	2,43	9,00	4,01	2,24	8,80	4,26	2,07	8,50	4,71	1,80	7,80	5,38	1,45
-7	9,00	3,06	2,94	9,00	3,29	2,74	9,00	3,56	2,53	8,90	3,83	2,32	8,90	4,28	2,08	9,00	5,02	1,79
2	9,00	2,43	3,70	9,00	2,61	3,45	9,00	2,91	3,09	9,00	3,21	2,80	9,00	3,72	2,42	9,00	4,37	2,06
7	9,00	1,82	4,95	9,00	1,94	4,64	9,00	2,21	4,07	9,00	2,46	3,66	9,00	2,99	3,01	9,00	3,64	2,47
25	9,00	1,52	5,92	9,00	1,70	5,29	9,00	1,88	4,79	9,00	2,16	4,17	9,00	2,63	3,42	9,00	3,20	2,81

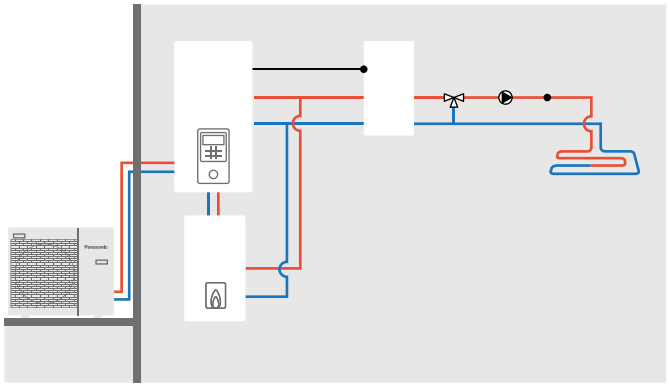
WH-MHF12G6E5

Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	30	30	30	35	35	35	40	40	40	45	45	45	50	50	50	55	55	55
-15	12,00	5,16	2,33	12,00	5,53	2,17	11,00	5,51	2,00	10,80	5,49	1,97	9,70	5,52	1,76	8,00	5,61	1,43
-7	12,00	4,43	2,71	12,00	4,76	2,52	11,50	4,91	2,34	11,20	5,06	2,21	10,10	5,06	2,00	9,60	5,43	1,77
2	12,00	3,42	3,51	12,00	3,68	3,26	11,50	3,86	2,98	11,30	4,14	2,73	10,80	4,66	2,32	10,30	5,13	2,01
7	12,00	2,52	4,76	12,00	2,69	4,46	12,00	3,06	3,92	12,00	3,44	3,49	12,00	4,10	2,93	12,00	4,97	2,41
25	12,00	2,03	5,91	12,00	2,36	5,08	12,00	2,69	4,46	12,00	3,02	3,97	12,00	3,61	3,32	12,00	4,37	2,75

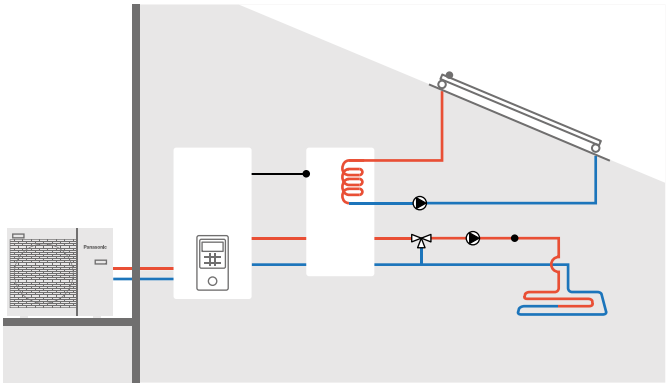
Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Power Input (kW)
This data is measured by Panasonic in accordance with EN14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

EXAMPLES OF INSTALLATIONS

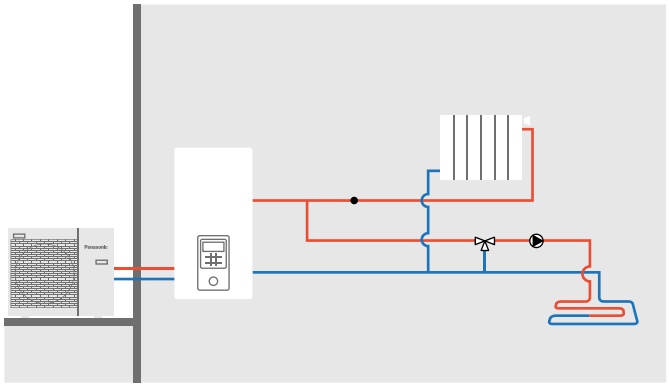
Aquarea J and H Generation:
Bivalent with buffer tank and mixing valve



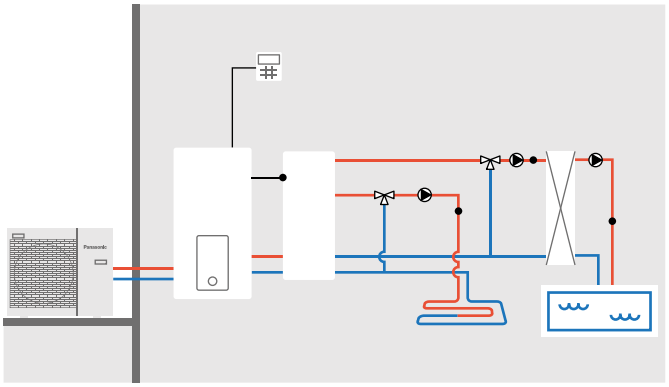
Aquarea J and H Generation:
Buffer tank with solar and mixing valve



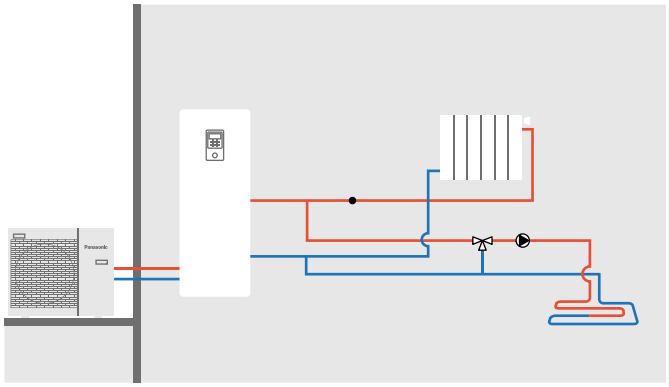
Aquarea J and H Generation:
2 zones with external kit without buffer tank



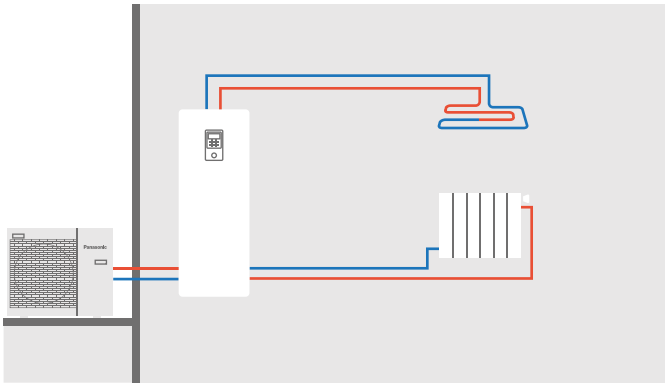
Aquarea J and H Generation:
2 zones with external kit, buffer tank and swimming pool



Aquarea All in One J and H Generation:
2 zones with external kit, without buffer tank



Aquarea All in One 2 zones J and H Generation:
2 zones built-in, without buffer tank



PANASONIC DOMESTIC AIR TO AIR HEAT PUMP

Panasonic has developed a range of products designed for you, better than ever before. Above all, it is also a range for air conditioning professionals, such as yourself, thanks to its broad range of products which are capable of conditioning rooms of all sizes – always with optimal efficiency and incomparable ease of installation.

R32 full domestic range.

All Domestic has transformed to R32 with excellent performance. Panasonic has not just fully adapted to new refrigerant, the new units has been design to maximize the advantages of new refrigerant from Wall, to Cassette, Hide Away, Floor Console and Multi Split Systems.

New Etherea.

Highest energy class A+++ in both heating and cooling, purifies the air with advance purifying nanoe™ X system with imperceptible 19dB(A). New Etherea VKE is equipped with built-in WLAN for internet control and monitoring, by using Panasonic Comfort Cloud App.

HZ Flagship.

With new nanoe™ X air-purifying system: outstanding efficiency A+++ and comfort combined with a breakthrough design. Built-in WLAN for internet control.

Stylish Floor Console.

The R32 Floor Console has been designed for European market from Scratch. Floor Consoles purifies the air with nanoe™ X, quiet operation, high efficiency, new design control remote and accurate design are its attributes.

Floor Console awarded with the prestigious IF Design Award 2019.

Panasonic Comfort Cloud control.

Panasonic Comfort Cloud control, with completely new user interface and controlling all domestic functions.

R32 REFRIGERANT GAS

R32
NEW REFRIGERANT GAS
Panasonic

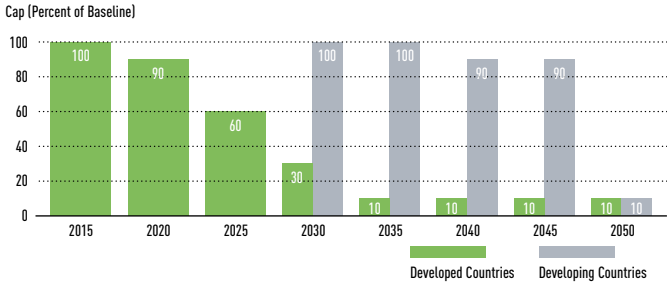
A 'small' change that changes everything

Not everyone is ready for change. Indeed, there are some who resist the future.
But at Panasonic we will keep believing in technologies that improve people's lives.
Which is why we are now presenting a generation of air conditioners with R32, an innovative refrigerant in all ways imaginable: it is easy to install, and compared to most other refrigerants it has a much lower environmental impact and saves energy.
The result? Greater wellbeing for people and for the planet. Because there will always be people who resist change. But we say: Goodbye yesterday. Hello R32.

Today Panasonic. Tomorrow everyone.

European regulation EU 517/2014 makes the replacement of fluorinated gases (F-gases) compulsory, such as R410A, for environmental reasons, although it also grants a transition period from 2017 to 2030.
Must we wait? No. Our commitment to innovation is not hampered by dates.
Which is why we are jumping the gun and are now presenting our generation of air conditioners that employ the R32 refrigerant.

HCFC phase-down schedule.



* By replacing R22 with R32 we are significantly reducing the ozone depletion potential of our air conditioners. The use of air conditioning is rapidly increasing in developing countries thus making it increasingly necessary to use refrigerants with low global warming potential.

Goodbye yesterday

The generation of air conditioners with R32 represents innovation in every way.
Shall we list them?

1. Installation innovation.

- Extremely easy to install, practically the same as R410A. (Just remember to verify that the pressure gauge and vacuum pump are compatible with R32)
- This refrigerant is 100 % pure, which makes it easier to recycle and reuse

2. Environmental innovation.

- Zero impact on the ozone layer
- 75 % less impact on global warming vs R410A

	R410A	R32
Composition	Blend of 50 %. R32 + 50 % R125	100 % R32. (No blend)
GWP (Global Warming Potential)	2087,5	675
ODP (Ozone Depletion Potential)	0	0

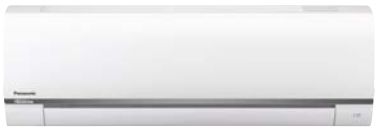
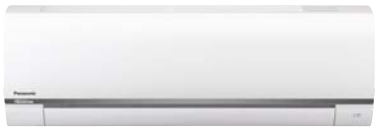
R32 is a refrigerant with just one-third the global warming potential of R410A, meaning less risk of damage to the environment.

3. Economic and energy consumption innovation.

- Lower cost and greater savings:
  - 30 % less refrigerant
- Higher energy efficiency than R410A

LCCP: Life Cycle Climate Performance (lower global warming impact). Safety: Low toxicity level.

A COMPLETE SELECTION FOR NORDIC HOUSEHOLDS

Page	Kit 1x1
	Wall Mounted VZ Heatcharge Inverter+ • **R32 GAS**
P. 62	 CS-VZ9SKE  CS-VZ12SKE
	Wall Mounted HZ Flagship Inverter+ • **R32 GAS**
P. 64	 CS-HZ25UKE  CS-HZ35UKE
	Wall Mounted LZ Retro Fit Inverter+ • **R32 GAS**
P. 66	 CS-LZ25TKE  CS-LZ35TKE
	NEW Wall Mounted NZ Etherea Inverter+ White • **R32 GAS**
P. 68	 CS-NZ25VKE  CS-NZ35VKE  CS-NZ50VKE
	Floor Console Inverter+ • **R32 GAS**
P. 70	 CS-Z25UFEAW-1  CS-Z35UFEAW-1
	Wall Mounted CZ Inverter • **R32 GAS**
P. 72	 CS-CZ25TKE  CS-CZ35TKE

Choose the correct model

In order to maximize comfort and savings, it is important that you choose the correct model of your heat pump. A heat pump with too little or too much power will not be able to provide the desired savings. A heat pump with an insufficient air flow rate will not manage to distribute heat in a larger building. A heat pump without remote control reduces comfort and control in the summer house.

Please contact an installer/dealer for assistance in choosing the correct model or use the guide below.

VZ Heatcharge	HZ Flagship	LZ Retro Fit 249	NZ Etherea	CZ Basic Inverter	Floor Console
					
The top model for cold areas	The best seller for larger houses	The perfect replacement model	The design model	The budget model	The floor model
Tested by 3rd party laboratory down to -35 °C					
✔ SP [1]	✔ DTI [2]	✔ DTI [2]			✔ DTI [2]
Lowest sound level (18 dB(A))					
✔	✔	✔			
Air purification					
✔ nanoe™	✔ nanoe™ X	✔	✔		✔ nanoe™ X
Maximum capacity					
9,20 kW	7,75 kW	7,65 kW	8,20 kW	6,70 kW	6,20 kW
Home 190-230 sq. m					
✔					
Home 150-190 sq. m					
✔	✔	✔			
Home 100-150 sq. m					
	✔	✔	✔		✔
Home 50-100 sq. m					
		✔	✔	✔	✔
Summer House					
		✔	✔	✔	✔
Garage / Shed / Permit-free building					
			✔	✔	✔
SCOP					
6,20 A+++	**5,38** [3] A+++	**5,17** [3] A+++ [4]	**4,70** A++	**4,10** A+	**4,79** [3] A++
No cold air dumping when defrosting					
✔					
Highest energy class (A+++)					
✔	✔	✔			
R32 Gas					
✔	✔	✔	✔	✔	✔
Compatible with Internet control					
✔	Included	✔	Included	✔	✔
Summer cottage function					
✔	✔	✔	✔	✔	✔
Econavi					
✔					
Replacement model					
		✔	✔		

1) -35°C tested by SP, in accordance with EN 14511:2013 and SP Method 1721 (this temperature is not guaranteed by the factory). 2) -35°C tested by DTI, an independent test laboratory, in accordance with EN 14511:2013 (this temperature is not guaranteed by the factory). 3) SCOP tested by the independent testing laboratory, DTI, in accordance with EN 14825:2016. 4) A+++ has been calculated on the basis of the SCOP test performed by the Danish Technological Institute. The test report from the Danish Technological Institute can be found at: lz25test.panasonic.se

HEATCHARGE. ENERGY CHARGE SYSTEM

heatcharge

Energy class A +++ and offers maximum comfort and energy savings. This powerful air heat pump is designed for commercial and residential climate that places extremely high demands on the heating system.

Heating power and efficiency

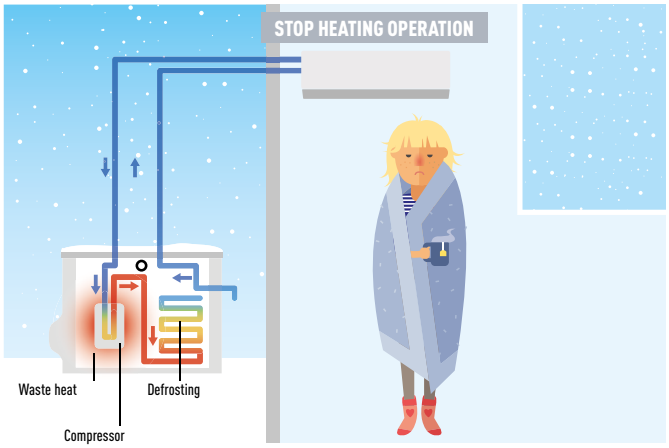
- Energy Charge System. Heat storage unit which features Non-Stop heating and fast heating function
- nanoe™ air purifying system
- More powerful airflow to quickly reach the desired temperature

Panasonic's new full line-up of A+++ heat pumps.

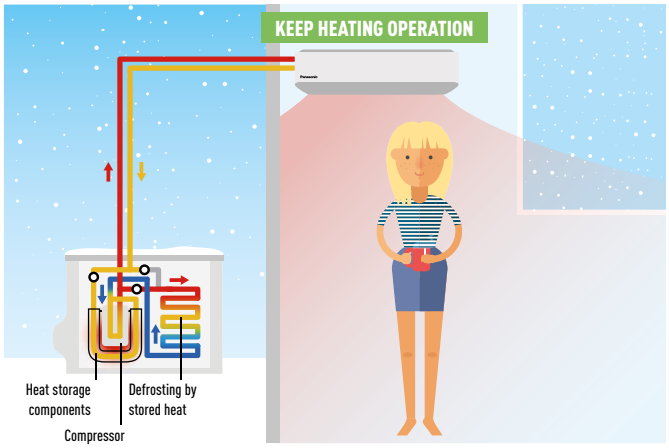
In response to the Kyoto Protocol, the European Union set some challenging targets for the reduction in greenhouse-gas emissions. By the year 2020, across the member states, the EU wants to have achieved the following objectives:

- A 20% cut in greenhouse gas emissions (from 1990 base levels)
- The share of renewables in the energy mix to increase by 20%
- An overall reduction of 20% in energy consumption

Conventional. The room gradually becomes cold.
Defrost operation: About 11 to 15 min. Fall in room temperature: About 5 to 6°C



Heatcharge. The room is thoroughly warmed.
Defrost operation: About 5 to 6 min. Fall in room temperature: About 1 to 2°C



* Defrost operation time and how low room temperature falls differ depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* Output air temperature falls during defrost operation. How low room temperature falls differs depending on the environment in which the unit is being used (how insulated and airtight and room is), operation conditions, and temperature conditions.
* In environments where a lot of frost accumulates, heating may stop during defrost operation.

CZ-TACG1
Optional WLAN Panasonic Comfort Cloud for internet control.

Wall Mounted Heatcharge VZ Inverter+ • R32 Gas

Maximum capacity			**7,80 kW**	**9,20 kW**
Indoor unit			**CS-VZ9SKE**	**CS-VZ12SKE**
Outdoor unit			**CU-VZ9SKE**	**CU-VZ12SKE**
Heating capacity	Nominal (Min - Max)	kW	3,60 (0,60 - 7,80)	4,20 (0,60 - 9,20)
COP [1]		W/W	5,63	5,04
Heating capacity at -7 °C		kW	5,00	5,60
COP at -7 °C [1]		W/W	2,07	2,00
Heating capacity at -15 °C		kW	4,80	5,22
COP at -15 °C [1]		W/W	1,94	1,90
Heating capacity at -25 °C (tested by SP)		kW	3,72	3,67
COP at -25 °C (tested by SP)		W/W	1,63	1,50
Heating capacity at -35 °C (tested by SP)		kW	2,51	2,44
COP at -35 °C (tested by SP)		W/W	1,32	1,15
SCOP [2]		**W/W**	**6,20** A+++	**5,90** A+++
Pdesign at -10 °C		kW	3,60	4,20
Input power heating	Nominal (Min - Max)	kW	0,64 (0,14 - 2,72)	0,83 (0,14 - 3,16)
Annual energy consumption [3]		kWh/a	812	995
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,60 - 3,00)	3,50 (0,60 - 4,00)
SEER [1]			**10,50** A+++	**10,00** A+++
Pdesign (cooling)		kW	2,50	3,50
Input power cooling	Nominal (Min - Max)	kW	0,43 (0,14 - 0,61)	0,80 (0,14 - 0,98)
Annual energy consumption [3]		kWh/a	83	122
Indoor unit				
Power source		V	230	230
Recommended fuse		A	16	16
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5
Air volume	Heat / Cool (Hi)	m³/min	15,5 / 12,5	15,9 / 12,9
Sound pressure [4]	Heat (Hi / Lo / Q-Lo)	dB(A)	44 / 26 / 18	45 / 29 / 18
	Cool (Hi / Lo / Q-Lo)	dB(A)	44 / 27 / 18	45 / 33 / 18
Dimension	H x W x D	mm	295 x 798 x 375	295 x 798 x 375
Net weight		kg	14,5	14,5
Outdoor unit				
Air volume	Heat / Cool (Hi)	m³/min	33,1 / 33,1	33,9 / 35,4
Sound pressure [4]	Heat / Cool (Hi)	dB(A)	49 / 49	50 / 50
Dimension [5]	H x W x D	mm	630 x 799 x 299	630 x 799 x 299
Net weight		kg	39,5	39,5
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 ~ 15	3 ~ 15
Elevation difference (in/out) [6]		m	12	12
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	20	20
Refrigerant (R32) / CO_2 Eq.		kg / T	1,05 / 0,70875	1,10 / 0,7425
Operating range	Heat Min ~ Max	°C	-30 ~ +24	-30 ~ +24
	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43
Lowest outdoor temperature tested by 3rd party laboratory [7]		°C	-35	-35

Accessories	
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

1) COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70 mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. 7) Tested by 3rd party laboratory, SP, according to EN14511:2013 and SP Method 1721, this temperature is not guaranteed by Factory.

The product is P-labelled. The P-labelling means that the product fulfils legal and regulatory requirements, but also in most cases, other, higher requirements that meet market demands. P-labelling means that the product is type approved and that the manufacturer's quality controls are monitored by SP. Certificated No.: SC0450-16. Certificated No.: SC0451-16.

SEER and SCOP: For KIT-VZ9-SKE. -35°C HEATING MODE: Heating performance tested at -35°C by SP, European 3rd party laboratory. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

FLAGSHIP

FLAGSHIP

Thanks to its exceptional performance and reliability, it is one of the best-selling heat pumps in the Nordic region. Its efficiency helps to quickly reach and maintain a comfortable indoor climate, even at outdoor temperatures as low as -35°C. A+++ classification.

* -35°C tested by DTI, an independent test laboratory, in accordance with EN 14511:2013 (this temperature is not guaranteed by the factory).

Always fresh and clean air with nanoe™ X

nanoe™ X with nano-technology, nano-sized electrostatic atomised water particles purify the air in the room.

- Purificating operation can work simultaneously or independently from heating/cooling operation
- Deodorising air and inhibiting certain viruses and bacteria (bacteria, fungus, pollen, viruses and cigarette smoke). OH radicals...hydrogen out, effectively deodorising and sterilising the air

nanoe™ X deodorises and inhibits certain bacteria & viruses

nanoe™ X contains 10X times[1] more OH radicals.

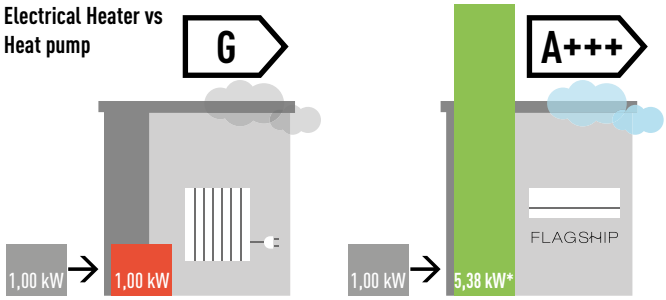
The newly developed nanoe™ X device produces 10x times more OH radicals (4800 billion) than regular nanoe™ device.
Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in bacteria, viruses and allergens inhibition as well as deodorisation, a fresher and cleaner home awaits you.

1) Based on Panasonic Survey.

High Energy efficiency class A+++

Panasonic has combined its finest technology in a heat pump to deliver comfort and high efficiency. Thanks to Panasonic's original Inverter compressor, the heart of a heat pump, high levels of energy efficiency are achieved. As a results, operating costs are substantially reduced. The system can provide heat even when it is -35°C* outside.

* -35°C tested by 3rd party laboratory, DTI, according to EN14511:2013, this temperature is not guaranteed by Factory.



Heat pump brings the outdoor heat energy inside. The Flagship can provide heat inside even when it is -35°C outside.

SCOP on heating mode for Flagship HZ Type CS-HZ25UKE compared with electrical heaters at +7°C.
* SCOP Tested by 3rd Party laboratory DTI under EN14825:2016.

CZ-TACG1
Built-in WLAN Panasonic Comfort Cloud for internet control.

Wall Mounted HZ Flagship Inverter+ • R32 GAS

Maximum capacity			**7,30 kW**	**7,75 kW**
Indoor Unit			**CS-HZ25UKE**	**CS-HZ35UKE**
Outdoor Unit			**CU-HZ25UKE**	**CU-HZ35UKE**
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 7,30)	4,20 (0,85 - 7,75)
COP [1]		W/W	5,61	5,00
Heating capacity at -7 °C [2]		kW	4,70	4,75
COP at -7 °C [1]		W/W	2,44	2,44
Heating capacity at -15 °C [2]		kW	4,55	4,65
COP at -15 °C [1]		W/W	2,37	2,36
Heating capacity at -20 °C [2]		kW	4,00	4,05
COP at -20 °C [1]		W/W	2,19	2,17
Heating capacity at -25 °C [2]		kW	3,40	3,50
COP at -25 °C [1]		W/W	2,00	2,00
SCOP [3]			**5,20** A+++	**5,10** A+++
SCOP *tested by 3rd party laboratory DTI* [4]		W/W	5,38 [4]	—
Pdesign at -10 °C		kW	3,00	3,80
Input power heating	Nominal (Min - Max)	kW	0,57 (0,17 - 2,15)	0,84 (0,17 - 2,27)
Annual energy consumption [5]		kWh/a	808	1043
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER [3]			**7,80** A++	**7,60** A++
Pdesign (cooling)		kW	2,50	3,50
Input power cooling	Nominal (Min - Max)	kW	0,46 (0,17 - 0,67)	0,83 (0,17 - 0,99)
Annual energy consumption [5]		kWh/a	112	161
Indoor Unit				
Power source		V	230	230
Recommended fuse		A	10	10
Air volume	Heat / Cool	m³/min	15,6 / 14,0	15,6 / 14,0
Moisture removal volume		l/h	1,5	2,0
Sound pressure [6]	Heat (Hi / Lo / Q-Lo)	dB(A)	45 / 24 / 18	45 / 25 / 18
	Cool (Hi / Lo / Q-Lo)	dB(A)	44 / 25 / 20	44 / 28 / 20
Dimension	H x W x D	mm	295 x 870 x 230	295 x 870 x 230
Net weight		kg	10	10
Outdoor Unit				
Air volume	Heat / Cool	m³/min	32,7 / 32,7	35,6 / 34,4
Sound pressure [6]	Heat — Cool (Hi / Lo)	dB(A)	47 / 44 — 46 / 43	50 / 47 — 48 / 45
Dimension [7]	H x W x D	mm	622 x 824 x 299	622 x 824 x 299
Net weight		kg	36	36
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 ~ 20	3 ~ 20
Elevation difference (in/out) [8]		m	10	10
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	20	20
Refrigerant (R32) / CO_2 Eq.		kg / T	1,12 / 0,756	1,12 / 0,756
Operating range	Heat Min ~ Max	°C	-25 ~ +24	-25 ~ +24
	Cool Min ~ Max	°C	+16 ~ +43	+16 ~ +43
Lowest outdoor temperature tested by 3rd party laboratory [9]		°C	-35	—

Accessories	
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

1) COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) SCOP and SEER values are Panasonic Factory official result, Energy Label Scale from A+++ to D. 4) SCOP Tested by 3rd Party laboratory DTI under EN14825:2016. 5) The annual energy consumption is calculated in accordance to EU/626/2011. 6) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) Add 70 mm for piping port. 8) When installing the outdoor unit at a higher position than the indoor unit. 9) Tested by 3rd party laboratory, DTI, according to EN14511:2013, this temperature is not guaranteed by Factory.

R32 | A+++ 5,20 SCOP | A++ 7,80 SEER | INVERTER+ | R2 ROTARY COMPRESSOR | nanoe X | 18dB(A) | -35°C HEATING MODE TESTED BY SP | R22 R410A R32 R22/R410A RENEWAL | INTEGRATION TO P-LINK | BUILT-IN WLAN | 5 YEARS COMPRESSOR WARRANTY

SCOP and SEER: For CS-HZ25UKE. -35 °C HEATING MODE: For CS-HZ25UKE heating performance tested at -35 °C by SP, European 3rd party laboratory. INTERNET CONTROL: Built-in WLAN.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

WALL MOUNTED LZ RETRO FIT

Perfect for replacing an older heat pump. Only 249 mm high

The LZ series is perfect for replacing a 7–10 year old heat pump

The LZ models are efficient and reliable even at outdoor temperatures as low as -35 °C.
Due to its well-thought-out design, LZ is perfect as a replacement pump.

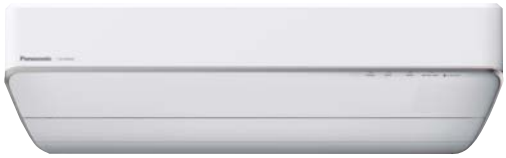
Only 249 mm high

The models in the LZ series are perfect for replacing a 7–10 year old heat pump.

Perfect as a replacement pump

REPLACEMENT

LZ's design and dimensions are adapted to facilitate the replacement of an older Panasonic model. For example, the height of the inner section is the same as the older CKP and DKE models. This means that the existing position, e.g. above the outer door, can be retained. This is often not possible as the height of modern inner sections has generally increased. It is not necessary to replace the brackets behind the heat pump either and the pipe size is identical. Replacing a 10 year old heat pump with a new one is often a good investment. Modern heat pumps have a higher energy efficiency which benefits both the environment and your wallet. You will also benefit from new practical functions such as maintenance heating, remote control, better air purification and a timer setting.



CZ-TACG1
Optional WLAN Panasonic Comfort Cloud for internet control.

Wall Mounted LZ Retro Fit 249 Inverter+ • R32 GAS

Maximum capacity			**6,55 kW**	**7,65 kW**
Indoor Unit			**CS-LZ25TKE**	**CS-LZ35TKE**
Outdoor Unit			**CU-LZ25TKE**	**CU-LZ35TKE**
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 6,55)	4,20 (0,85 - 7,65)
COP [1]		W/W	5,12	4,72
Heating capacity at -7 °C [2]		kW	4,00	4,60
COP at -7 °C [1]		W/W	2,52	2,35
Heating capacity at -15 °C [2]		kW	3,90	4,35
COP at -15 °C [1]		W/W	2,27	2,25
Heating capacity at -20 °C [2]		kW	3,30	3,70
COP at -20 °C [1]		W/W	2,04	2,03
Heating capacity at -25 °C [2]		kW	2,70	3,10
COP at -25 °C [1]		W/W	1,83	1,83
SCOP [3]			**5,00** A++	**4,90** A++
SCOP *tested by 3rd party laboratory DTI* [4]			5,17 [4] A+++ [5]	—
Pdesign at -10 °C		kW	3,00	3,80
Input power heating	Nominal (Min - Max)	kW	0,63 (0,17 - 1,77)	0,89 (0,17 - 2,30)
Annual energy consumption [6]		kWh/a	840	1086
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER [3]			**7,60** A++	**7,40** A++
Pdesign (cooling)		kW	2,50	3,50
Input power cooling	Nominal (Min - Max)	kW	0,51 (0,17 - 0,70)	0,86 (0,17 - 1,08)
Annual energy consumption [6]		kWh/a	115	166
Indoor Unit				
Power source		V	230	230
Recommended fuse		A	10	10
Air volume	Heat / Cool	m³/min	12,5 / 9,3	13,0 / 10,5
Moisture removal volume		l/h	1,5	2,0
Sound pressure [7]	Heat (Hi / Lo / Q-Lo)	dB(A)	45 / 29 / 18	46 / 30 / 19
	Cool (Hi / Lo / Q-Lo)	dB(A)	40 / 25 / 21	43 / 28 / 21
Dimension	H x W x D	mm	249 x 790 x 355	249 x 790 x 355
Net weight		kg	11	11
Outdoor Unit				
Air volume	Heat / Cool	m³/min	34,0 / 33,1	35,6 / 34,4
Sound pressure [7]	Heat / Cool (Hi)	dB(A)	44 / 43	47 / 45
Dimension [8]	H x W x D	mm	622 x 824 x 299	622 x 824 x 299
Net weight		kg	38	38
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 ~ 20	3 ~ 20
Elevation difference (in/out) [9]		m	10	10
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	20	20
Refrigerant (R32) / CO_2 Eq.		kg / T	1,10 / 0,743	1,10 / 0,743
Operating range	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24
	Cool Min ~ Max	°C	-15 ~ +43	-15 ~ +43
Lowest outdoor temperature tested by 3rd party laboratory [10]		°C	-35	—

Accessories	
CZ-TACG1	Panasonic WLAN kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
PAW-SMSCONTROL	Control by SMS (need additional SIM card)
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

1) COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) Energy Label Scale from A+++ to D. 4) SCOP tested by the independent testing laboratory, DTI, in accordance with EN 14825:2016. 5) A+++ has been calculated on the basis of the SCOP test performed by the Danish Technological Institute. The test report from the Danish Technological Institute can be found at: lz25test.panasonic.se 6) The annual energy consumption is calculated in accordance to EU/626/2011. 7) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 8) Add 70 mm for piping port. 9) When installing the outdoor unit at a higher position than the indoor unit.10) Tested by 3rd party laboratory, DTI, according to EN14511:2013, this temperature is not guaranteed by Factory.

R32 | A+++ 5,17 SCOP* | A++ 7,60 SEER | 38% ECONAVI | INVERTER+ | R2 ROTARY COMPRESSOR | SUPER DUST COLLECTION FILTER | 18dB(A) | -35°C HEATING MODE TESTED BY DTI | SUMMER HOUSE | REPLACEMENT | R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | 5 YEARS COMPRESSOR WARRANTY

SCOP and SEER: For CS-LZ25TKE. SUPER QUIET: For CS-LZ25TKE. -35 °C HEATING MODE: For CS-LZ25TKE heating performance tested at -35 °C by SP, European 3rd party laboratory. INTERNET CONTROL: Optional. * SCOP tested by the independent testing laboratory, DTI, in accordance with EN 14825:2016 - A+++ has been calculated on the basis of the SCOP test performed by the Danish Technological Institute. The test report from the Danish Technological Institute can be found at: lz25test.panasonic.se

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW ETHEREA

The models in the NZ series are powerful, highly efficient, and reliable year-round. The NZ models are efficient and reliable year-round, and are specially designed for the tough Nordic climate. Due to its clever design, the NZ is perfect as a replacement pump.

1 Built-in WLAN and compatible with Voice Assistant

New Etherea comes ready to connect to internet for smartphone control with Panasonic Comfort Cloud App. Control, monitor, schedule via the easy to use interface. By connecting Panasonic Comfort Cloud the unit can be managed by Google Assistant and Amazon Alexa*.

2 Summer House

Keep your summer house, garage, or permit-free auxiliary building frost-free without using a lot of energy.

3 Simple but elegant design

To suit European interior, we design the indoor to be simple and clean. Elegant finishing with white matt or silver color.

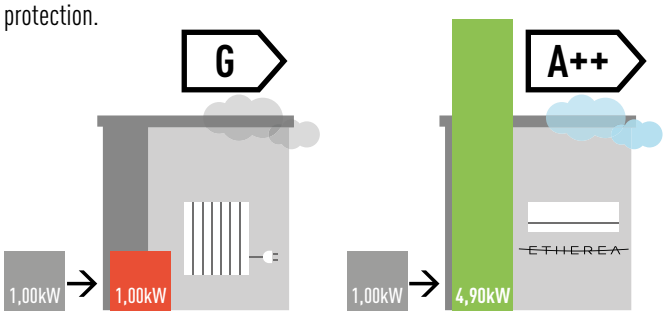
4 New wireless control

Enjoy innovative design at your fingertips with the new stylish and sleek Backlit Sky Controller. Bigger screen and easier to use.

* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates Google and related marks and logos are trademarks of Google LLC.

Etherea maximum savings, outstanding efficiency A++

Highest energy class. Original Panasonic Inverter technology and a high performance compressor provide top-class operating efficiency. This lets you enjoy lower electricity bills while contributing to environmental protection.



* SCOP on heating mode for KIT-NZ-35VKE and KIT-NZ-50VKE compared with electrical heaters at +7°C.

CZ-TACG1
Built-in WLAN Panasonic Comfort Cloud for internet control.

NEW Wall Mounted NZ Etherea Inverter+ White • R32 GAS

Maximum capacity			**6,30 kW**	**7,30 kW**	**8,20 kW**
Indoor Unit			**CS-NZ25VKE**	**CS-NZ35VKE**	**CS-NZ50VKE**
Outdoor Unit			**CU-NZ25TKE**	**CU-NZ35TKE**	**CU-NZ50TKE**
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 6,30)	4,00 (0,85 - 7,30)	5,80 (0,98 - 8,20)
COP [1]		W/W	4,86	4,44	4,23
Heating capacity at -7 °C [2]		kW	4,00	4,60	5,20
COP at -7 °C [1]		W/W	2,47	2,12	2,39
Heating capacity at -15 °C [2]		kW	3,40	4,20	4,90
COP at -15 °C [1]		W/W	2,19	2,11	2,34
Heating capacity at -20 °C [2]		kW	2,80	3,60	4,15
COP at -20 °C [1]		W/W	1,96	2,00	2,17
Heating capacity at -25 °C [2]		kW	2,20	3,00	3,70
COP at -25 °C [1]		W/W	1,65	1,84	1,99
SCOP [3]			**4,60** A++	**4,70** A++	**4,70** A++
Pdesign at -10 °C		kW	2,80	3,60	4,40
Input power heating	Nominal (Min - Max)	kW	0,70 (0,17 - 1,73)	0,90 (0,17 - 2,32)	1,37 (0,22 - 2,42)
Annual energy consumption [4]		kWh/a	852	1072	1311
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)	5,00 (0,98 - 6,00)
SEER [3]			**7,50** A++	**7,40** A++	**7,50** A++
Pdesign (cooling)		kW	2 ,50	3,50	5,00
Input power cooling	Nominal (Min - Max)	kW	0,51 (0,17 - 0,70)	0,86 (0,17 - 1,10)	1,34 (0,25 - 1,85)
Annual energy consumption [4]		kWh/a	117	166	233
Indoor Unit					
Power source		V	230	230	230
Recommended fuse		A	10	10	13
Air volume	Heat / Cool	m³/min	12,3 / 10,9	12,4 / 11,3	20,8 / 19,6
Moisture removal volume		l/h	1,5	2,0	2,8
Sound pressure [5]	Heat (Hi / Lo / Q-Lo)	dB(A)	42 / 27 / 19	44 / 30 / 19	44 / 37 / 30
	Cool (Hi / Lo / Q-Lo)	dB(A)	39 / 25 / 21	42 / 28 / 21	44 / 37 / 30
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	295 x 1120 x 236
Net weight		kg	9	10	12
Outdoor Unit					
Air volume	Heat / Cool	m³/min	31,4 / 31,4	35,1 / 33,9	38,6 / 39,7
Sound pressure [5]	Heat — Cool (Hi / Lo)	dB(A)	48 / 45 — 46 / 43	50 / 47 — 48 / 45	50 / 47 — 48 / 45
Dimension [6]	H x W x D	mm	622 x 824 x 299	622 x 824 x 299	701 x 875 x 320
Net weight		kg	35	36	47
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 20
Elevation difference (in/out) [7]		m	10	10	15
Pipe length for additional gas		m	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15
Refrigerant (R32) / CO_2 Eq.		kg / T	0,96 / 0,648	1,00 / 0,675	1,15 / 0,776
Operating range	Heat Min ~ Max	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24
	Cool Min ~ Max	°C	-15 ~ +43	-15 ~ +43	-15 ~ +43

Accessories	
CZ-CAPRA1	RAC interface adapter for integration into P-Link
PAW-SMSCONTROL	RAC interface adapter for integration into P-Link

Accessories	
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

1) EER and COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) Energy Label Scale from A+++ to D. 4) The annual energy consumption is calculated in accordance to EU/626/2011. 5) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 6) Add 70 mm for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.

SCOP: For CS-NZ35VKE and CS-NZ50VKE. SEER: FOR CS-NZ25VKE and CS-NZ50VKE. SUPER QUIET: For CS-NZ25VKE and CS-NZ35VKE. INTERNET CONTROL: Built-in WLAN.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW FLOOR CONSOLE

New Floor Console with new nanoe™ X air-purifying system: outstanding efficiency A++, comfort (Super Quiet technology only 19dB(A)) and healthy air combined with a breakthrough design.

Easy to integrate into your home

A breakthrough design that combines perfectly with any style. We have carefully selected materials and processes to create an elegant design. Compact in size and with a stylish design, the new Floor Console will easily integrate into your home's interior decoration. There are four options available:

Floor Installation | **Wall Installation** | **Half Concealed** | **Concealed**

Heating Mode | Cooling Mode

Double airflow for improved comfort and temperature dispersion: through the top for an efficient operation.

The perfect solution for the replacement of old boiler heating systems

New design and new wireless control

CZ-TACG1
Optional WLAN Panasonic Comfort Cloud for internet control.

Floor Console Inverter+ • R32 GAS

Maximum capacity			**5,50 kW**	**6,20 kW**
Indoor unit			**CS-Z25UFEAW-1**	**CS-Z35UFEAW-1**
Outdoor unit			**CU-Z25UFEA-1**	**CU-Z35UFEA-1**
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,50)	4,30 (0,85 - 6,20)
COP [1]		W/W	4,59	4,06
Heating capacity at -7 °C [2]		kW	3,80	4,20
COP at -7 °C [1]		W/W	2,53	2,33
Heating capacity at -15 °C [2]		kW	3,50	3,90
COP at -15 °C [1]		W/W	2,30	2,15
Heating capacity at -20 °C [2]		kW	2,90	3,30
COP at -20 °C [1]		W/W	1,96	1,94
Heating capacity at -25 °C [2]		kW	2,40	2,85
COP at -25 °C [1]		W/W	1,68	1,73
SCOP [3]			**4,70** A++	**4,60** A++
SCOP *tested by 3rd party laboratory DTI* [4]			4,79 [4]	—
Pdesign at -10 °C		kW	3,00	3,60
Input power heating	Nominal (Min - Max)	kW	0,74 (0,17 - 1,51)	1,06 (0,17 - 1,83)
Annual energy consumption [5]		kWh/a	894	1096
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,40)	3,50 (0,85 - 3,80)
SEER [3]			**8,10** A++	**7,80** A++
Pdesign (cooling)		kW	2,50	3,50
Input power cooling	Nominal (Min - Max)	kW	0,51 (0,17 - 0,88)	0,84 (0,17 - 1,04)
Annual energy consumption [5]		kWh/a	108	157
Indoor unit				
Air volume	Heat / Cool	m³/min	9,9 / 9,6	10,1 / 9,9
Moisture removal volume		L/h	1,5	2,0
Sound pressure [6]	Heat (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 19	39 / 26 / 19
	Cool (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 20	39 / 26 / 20
Dimension	H x W x D	mm	600 x 750 x 207	600 x 750 x 207
Net weight		kg	13	13
Outdoor unit				
Power source		V	230	230
Recommended fuse		A	10	10
Air volume	Heat / Cool	m³/min	32,2 / 32,2	34,4 / 32,7
Sound pressure [6]	Heat — Cool (Hi / Lo)	dB(A)	48 / 45 — 46 / 43	50 / 47 — 48 / 45
Dimension [7]	H x W x D	mm	622 x 824 x 299	622 x 824 x 299
Net weight		kg	34	37
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 ~ 20	3 ~ 20
Elevation difference (in/out) [8]		m	15	15
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	10	10
Refrigerant (R32) / CO_2 Eq.		kg / T	0,97 / 0,65475	1,07 / 0,72225
Operating range	Heat Min ~ Max	°C	-25 ~ +24	-25 ~ +24
	Cool Min ~ Max	°C	-15 ~ +43	-15 ~ +43
Lowest outdoor temperature tested by 3rd party laboratory [9]		°C	-35	—

Accessories	
CZ-TACG1	Panasonic WLAN kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

1) COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) Energy Label Scale from A+++ to D. 4) SCOP Tested by 3rd Party laboratory DTI under EN14825:2016. 5) The annual energy consumption is calculated in accordance to EU/626/2011. 6) The sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1 m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) Add 70 mm for piping port. 8) When installing the outdoor unit at a higher position than the indoor unit. 9) Tested by 3rd party laboratory, DTI, according to EN14511:2013, this temperature is not guaranteed by Factory.

SCOP and SEER: For CS-Z25UFEAW-1. -35 °C HEATING MODE: For CS-Z25UFEAW-1 heating performance tested at -35 °C by SP, European 3rd party laboratory. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

WALL MOUNTED CZ INVERTER

The inverter models in the CZ series are powerful, highly efficient, and reliable year-round.

Remote control

Control your heat pump wherever you are. We have a wide selection of remote controllers that enable control from a distance, via the internet or SMS. Our latest form of control is a cloud-based internet service that allows you to control your heat pump from anywhere in the world. Control your home environment using your smartphone, tablet (iOS/Android), or internet-connected PC. This gives you the same functions you would have at home or at the office: start/stop, mode selection, temperature setting, room temperature, etc. But it also provides new, advanced functionality thanks to internet control, providing the best possible comfort and efficiency with minimum energy consumption.

Perfect for your summer house

The functions of the Panasonic CZ make it perfect for your summer house. Thanks to its +8/+15-degree function, you can keep your summer house, garage, or permit-free auxiliary building frost-free without using a lot of energy. You will also have comfortable cooling on the hottest summer days. If you select the optional remote control, you can use your mobile telephone to increase the heating a couple of hours before you arrive. Then a pleasant warm temperature will greet you as soon as you step over the doorstep.

Panasonic 1x4. Comfort year-round

With 30 years' experience in the North European market, Panasonic has developed specific technologies that meet the diverse needs of the region. Our heat pumps are some of the most efficient and comprehensive alternatives to traditional heating and cooling systems.
By installing one of our heat pumps, you'll get an ideal indoor climate year-round – heating or cooling, depending on the weather. With our heat pump, you'll also get clean, pleasant indoor air, thanks to the efficient air purifier.

CZ-TACG1
Optional WLAN Panasonic Comfort Cloud for internet control.

Wall Mounted CZ Inverter • R32 GAS

Maximum capacity			**5,20 kW**	**6,70 kW**
Indoor Unit			**CS-CZ25TKE**	**CS-CZ35TKE**
Outdoor Unit			**CU-CZ25TKE**	**CU-CZ35TKE**
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,20)	4,00 (0,85 - 6,70)
COP [1]		W/W	4,66	4,08
Heating capacity at -7 °C [2]		kW	3,30	4,05
COP at -7 °C [1]		W/W	2,54	2,19
Heating capacity at -15 °C [2]		kW	2,70	3,60
COP at -15 °C [1]		W/W	2,16	2,11
Heating capacity at -20 °C [2]		kW	2,10	3,00
COP at -20 °C [1]		W/W	1,91	1,88
Heating capacity at -25 °C [2]		kW	1,50	2,40
COP at -25 °C [1]		W/W	1,50	1,60
SCOP [3]			**4,10** A+	**4,10** A+
Pdesign at -10 °C		kW	2,80	3,60
Input power heating	Nominal (Min - Max)	kW	0,73 (0,18 - 1,45)	0,98 (0,18 - 2,00)
Annual energy consumption [4]		kWh/a	956	1229
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER [3]			**6,60** A++	**6,30** A++
Pdesign (cooling)		kW	2,50	3,50
Input power cooling	Nominal (Min - Max)	kW	0,54 (0,19 - 0,73)	0,94 (0,19 - 1,14)
Annual energy consumption [4]		kWh/a	133	194
Indoor Unit				
Power source		V	230	230
Recommended fuse		A	10	10
Air volume	Heat / Cool	m³/min	11,8 / 11,1	12,8 / 12,0
Moisture removal volume		l/h	1,5	2,0
Sound pressure [5]	Heat (Hi / Lo / Q-Lo)	dB(A)	40 / 27 / 21	42 / 33 / 21
	Cool (Hi / Lo / Q-Lo)	dB(A)	39 / 25 / 22	42 / 28 / 22
Dimension	H x W x D	mm	290 x 850 x 199	290 x 850 x 199
Net weight		kg	8	8
Outdoor Unit				
Air volume	Heat / Cool	m³/min	29,7 / 31,3	32,1 / 32,9
Sound pressure [5]	Heat — Cool (Hi / Lo)	dB(A)	47 / 44 — 46 / 43	50 / 47 — 48 / 45
Dimension [6]	H x W x D	mm	622 x 824 x 299	622 x 824 x 299
Net weight		kg	36	36
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
Pipe length range		m	3 ~ 20	3 ~ 20
Elevation difference (in/out) [7]		m	10	10
Pipe length for additional gas		m	7,5	7,5
Additional gas amount		g/m	10	10
Refrigerant (R32) / CO_2 Eq.		kg / T	0,83	0,86
Operating range	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24
	Cool Min ~ Max	°C	+16 ~ +43	+16 ~ +43

Accessories	
CZ-TACG1	Panasonic WLAN kit for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
PAW-SMSCONTROL	Control by SMS (need additional SIM card)
CZ-RD514C	Wired remote controller for Wall Mounted and Floor Console

1) COP calculation is based in accordance to EN14511. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) Energy Label Scale from A+++ to D. 4) The annual energy consumption is calculated in accordance to EU/626/2011. 5) The sound pressure of the indoor unit shows the value measured of a position 1 m in front of the main body and 0,8 m below the unit. For outdoor unit 1 m in front and 1 m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 6) Add 70 mm for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.

SCOP and SEER: For CS-CZ25TKE. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW PANASONIC COMFORT CLOUD

More than a control in your phone

NEW BOUNDARIES IN CONTROL

ENERGY MONITOR AND STATISTICS

SCALABILITY AND USERS MANAGEMENT

Panasonic

Download on the App Store

Google play

Advanced smartphone control for domestic range.

Control air to air heat pump operation with Panasonic Comfort Cloud plus additional functions only available thru the Cloud from wherever and whenever. One user can manage up to 200 units and also set up different user and rights. Also energy monitor is possible giving the chance to learn how to reduce even more the operating cost.

1. **Families:** Different users can be set up, such as each child can manage their own room only. In the case of second houses, this can be remotely pre-cooled or pre-warmed. Or just turned OFF remotely if someone forget and left the system on.
2. **Multi tenant owner:** Can manage different sites, up to 200 units with just one smartphone. Knowing the consumption of each place and remotely have error codes remotely for better and quick maintenance.
3. **Small and medium sized offices:** Owner can control different rooms of the office easily and give unit by unit access to their staff. Also providing information to know where energy might be wasted for heating and cooling and promoting best comfort practices.

Energy monitor and statistics

Knowing the energy each unit uses when operating is key to see opportunities to reduce the energy bill. Panasonic Comfort Cloud stores the energy consumption* of each unit, which can then be shown in easy and powerful statistics graphs. This function is available from VKE, TKE and UKE generation.
With the weekly timer the operation can be adjusted to optimize the usage of the energy.

*Estimated energy consumption data accuracy is depending on power supply quality.

New boundaries in control

With Panasonic Comfort Cloud the user can manage all functions of the heat pump plus even more. All functions that your heat pump can include like nanoe™ X air purifier, air Flow direction, speed, temperature setting, mode,... all these can be simply managed through Panasonic Comfort Cloud. Also some other additional functions can be easily managed through the App including:

- All ON/OFF at once. For sites with more than one unit in one site, user can turn them all ON or OFF with just one click
- Set weekly timer. Set up to 6 events per day, 42 in a week, easy, intuitive and fast
- Pre-heat or cool. Control your house or office comfort - before you arrive!
- Error code notification. If trouble occurs, error notification or maintenance code is shown

Scalability and users management

Easily to include additional units and locations as well as including several users with different access rights. This creates more possibilities to manage family house, a second house and also provides opportunities for small/medium sized offices or multi-tenant properties.

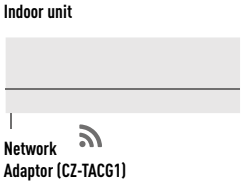
- Up to 200 units. Up to 10 Locations (20 units per site)
- User's control rights. Main user can set up other users with limited rights on units and set up

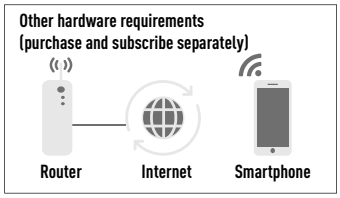
New Smart Voice Control. Words do more than actions

By connecting the unit to Panasonic Comfort Cloud the system can be voice controlled by Google Assistant and Amazon Alexa*.

* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Google and related marks and logos are trademarks of Google LLC. Availability of Voice Assistant services varies depending on Country and Language.

Panasonic Comfort Cloud for internet control - CZ-TACG1





Input Voltage	DC 12V
Power Consumption	Max. 660mW
Size (H x W x D)	66 x 36 x 12mm
Mass	Approx. 85g
Interface	1 x Wireless LAN
Wireless LAN Standard	IEEE 802.11 b/g/n
Frequency Range	2.4GHz band
Encryption	WPA2-PSK (TKIP/AES)

Compatibility: Most Panasonic Domestic range are compatible with CZ-TACG1 WLAN accessory: CS-VZ**SKE, CS-XZ**VKEW, CS-Z**VKEW, CS-TZ**TKEW, CS-RZ**VKEW, CS-FZ**UKE, CS-UZ**VKE, CS-PZ**VKE, CS-DZ**VKE, CS-Z**TKEA, CS-Z**UFEAW, CS-Z**UB4EAW, CS-Z**UD3EAW, CS-XE**SKEW, CS-E**SKEM-M, CS-TE**TKEW, CS-FE**UKE, CS-BE**TKE, CS-DE**TKE, CS-E**PKEA, CS-E**PB4EA, CS-E**PD3EA. VKE generation will be also compatible. For built-in WLAN such as CS-Z**VKEW, CS-MZ16VKE and CS-XZ**VKEW it is not required the accessory CZ-TACG1. **Remark: indoor temperature display and some special functions are not available through the App for all models. Languages: Available in 19 European languages: Bulgarian, Croatian, Czech, Danish, Deutsch, English, Estonian, Finnish, French, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese, Slovenian, Spanish, Swedish and Turkish.**

ACCESSORIES AND CONTROL

Optional PCB's for additional functions

CZ-TACG1
NEW Panasonic Comfort Cloud for internet control.

CZ-CAPRA1
RAC interface adapter for integration into P-Link.

PAW-AC-KNX-1i
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-MBS-1
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-ENO-1i
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-BAC-1
This interface can be used with all models which have a CN-CNT connector.

PAW-AC-DIO
This interface can be used with all models which have a CN-RMT connector.

PAW-AC-HEAT-1
Heating only PCB for Etherea, 4 Way 60x60 Cassette and Hide Away.

PAW-SMSCONTROL
Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card).

Individual Controls

CZ-RD514C
Wired remote controller for Wall Mounted and Floor Console.

Panels

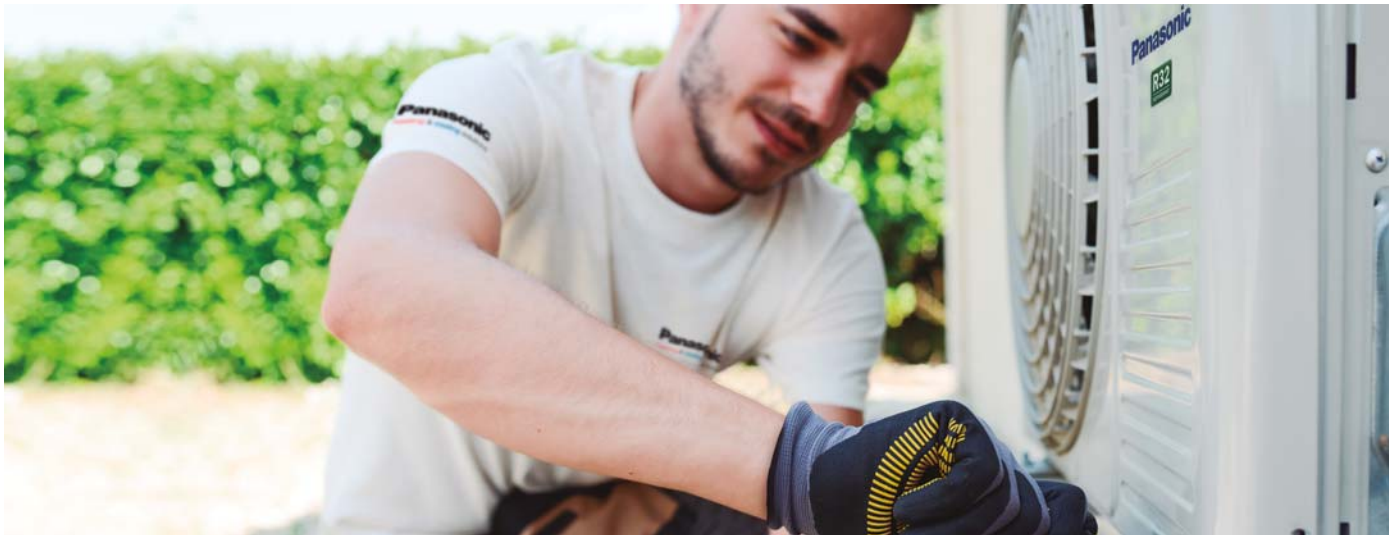
CZ-BT20EW
RAL9010 panel for 4 Way 60x60 Cassette.

Pipe reducer

CZ-MA1P
Is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".

CZ-MA2P
Is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".

CZ-MA3P
Is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".



PAC i

PANASONIC COMMERCIAL AIR TO AIR

Here are some of your new air conditioner's major features. Panasonic has developed an impressive range of highly efficient Commercial Air Conditioners. This range confirms our commitment to the environment. Our Inverter compressors optimise performance.

Panasonic PACi R32 up to 25,00kW.

R32 PACi range helps to find more environmental friendly solutions in commercial applications. This pure refrigerant also increase the efficiency of the system. Panasonic PACi R32 covers all ranges from 3,60 up to 25,00kW, the low GWP solution for retail.

nanoe™ X purifies air with PACi 90x90 Cassette.

Thanks to advances in design and technology such as the new high performance turbo fan, which is more efficient and silent, the nanoe™ X air cleaner which provides healthy air, the floor temperature and humidity sensor that give more control, the new PU2 Panasonic 90 x 90 4 way Cassette provides a high-class solution for energy savings, healthy environment and comfort.

Wall design wall type PK2 Series.

Commercial air conditioning and aesthetics find a new ally in with PK2 series. Following same shape as design award Etherea, PK2 series will combine with any indoor design.

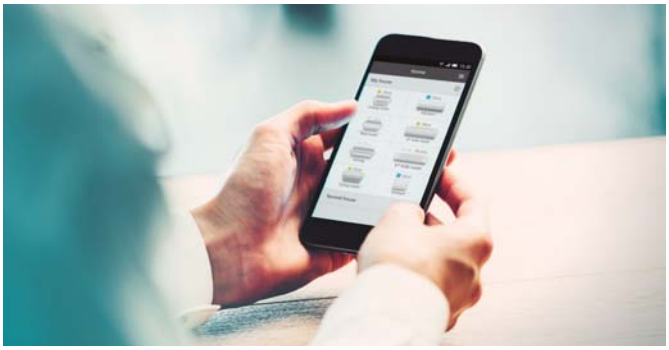
Server room solutions.

Choose the best solution to ensure any server room needs. Designed for high durability and adverse weather conditions its server room ad hoc control essure permanent operation and failure alarms communications.

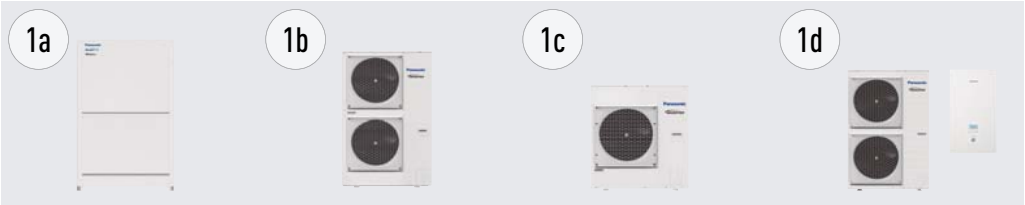
Control CZ-RTC5B with datanavi.
Ready to control 2 PACi systems with backup and alternate operation.

New Commercial WLAN Adaptor.

New Panasonic interface CZ-CAPWFC1 allows to connect one indoor unit or a group of indoor units to be managed by Panasonic Comfort Cloud App, for control, monitor, schedule and error code alerts.
This advanced smartphone control gives more possibility for your comfort life.

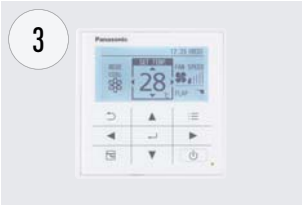


INNOVATIVE SOLUTIONS FOR RETAIL

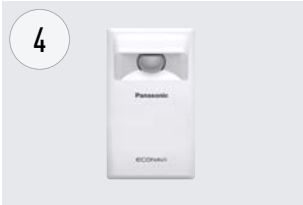


Multi energy solutions, gas or electric.
The Multi energy solution (Gas and Electric) from Panasonic provides the best choice in energy saving and on the flexibility of the installation. Panasonic solutions can be connect to direct expansion systems, water chiller installations and ventilation systems as air handling units.
1a: Electric VRF. ECOi
1b: Electric VRF. Mini ECOi
1c: Electric 1x1. PACi
1d: Electric A2W. Aquarea

TKEA outdoor unit for server room.
Steady cooling, nonstop, even at -20°C and still with high efficiency. Ready for continuous operation and easy to connect 2 systems to automatically alternate and ensure server rooms are kept cool with maximum operating guaranteed.



Control your way.
Wide variety of controls, from simple user control to full system control via remote access functionality. Touch panel and consumption control.



Econavi Sensor.
The Econavi Sensor detects presence in the room, and quietly adapts the PACi or VRF air conditioning system in order to improve comfort and energy savings.

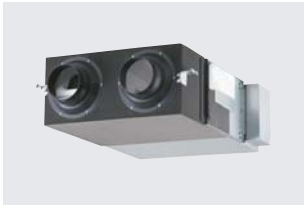
Wide range of indoor units.
Complete range of indoor units that fits any need. All units provided with supply air temperature sensor and low operation sound level to guarantee guests comfort. From 1,50kW up to 30kW.

Hide Away, for power and efficiency.
Super silent units deliver the ideal air supply. Units available from 1,50kW providing precise temperature control even in small rooms. Two models available: slim unit for height restricted areas (MM unit only 200 mm deep), another which allows 100% fresh air (MF).

Air Curtain with DX Coil.
The Panasonic range of air curtains is designed for smooth operation and efficient performance.

Protocol friendly.
Great flexibility for integration into your KNX / Modbus / LonWorks / BACnet projects allows fully bi-directional monitoring and control of all the functioning parameters. Range of solutions to control locally or remotely the full system in bi-directional mode.

Air Handling Unit kits for efficient ventilation.
The new AHU kit is specially designed to improve the efficiency of the pre-heating or pre-cooling process of the ventilation.



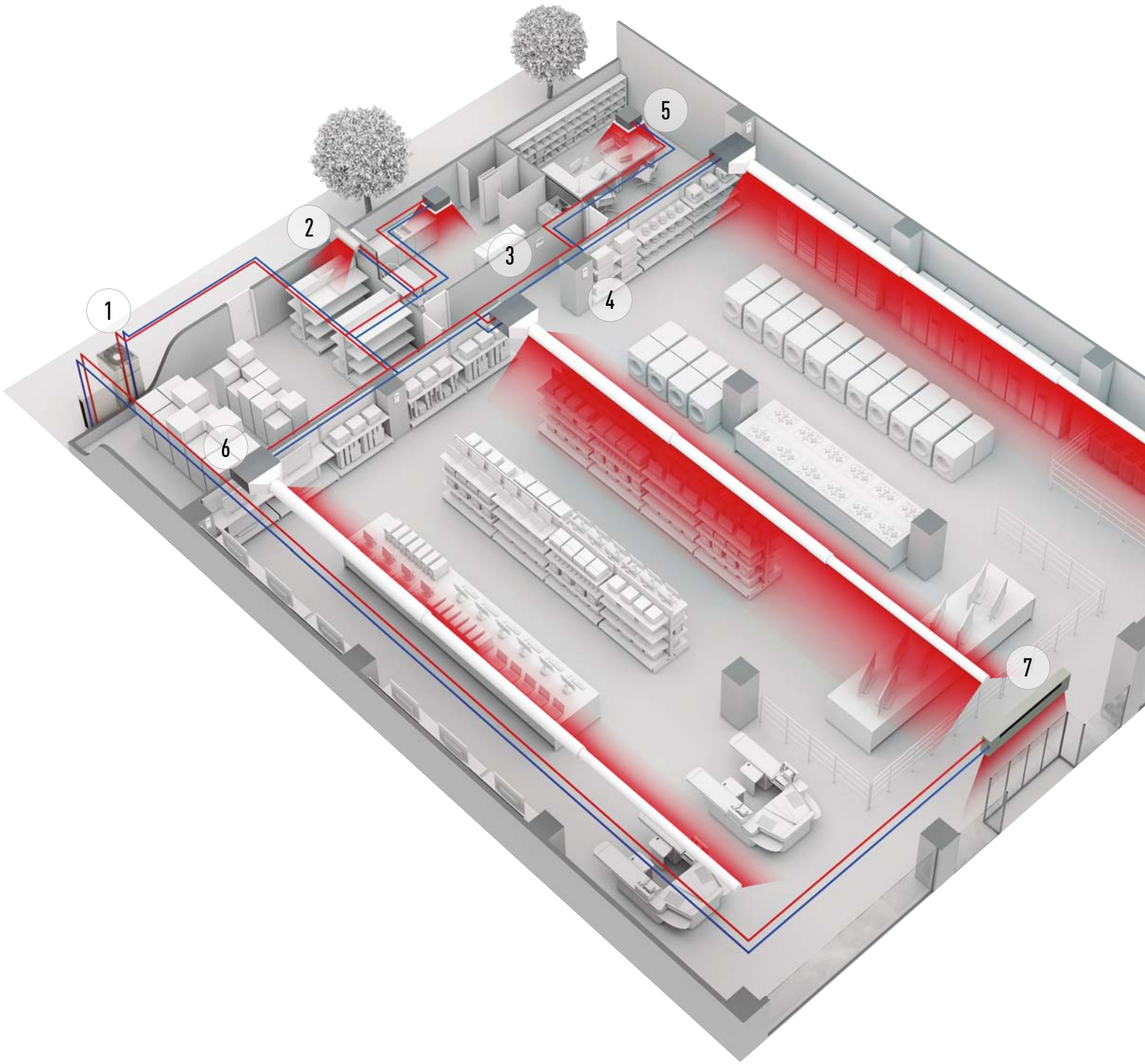
Energy Recovery unit for high efficiency of the system.
Panasonic Energy Recovery Ventilators can reduce the outside air load because they efficiently recover the heat lost by ventilation during the heat recovery process.

Heating and cooling solutions for retail applications

Panasonic has developed solutions for retail applications and office applications where return on investment is a key factor! The comfort inside the shop is key for a good customer experience in the shop.
From local control or from Panasonic new cloud control system, a detail status of the heating and cooling system can be displayed, analysed and optimised in order to improve the efficiency, reduce the running time and increase the life time of the units.

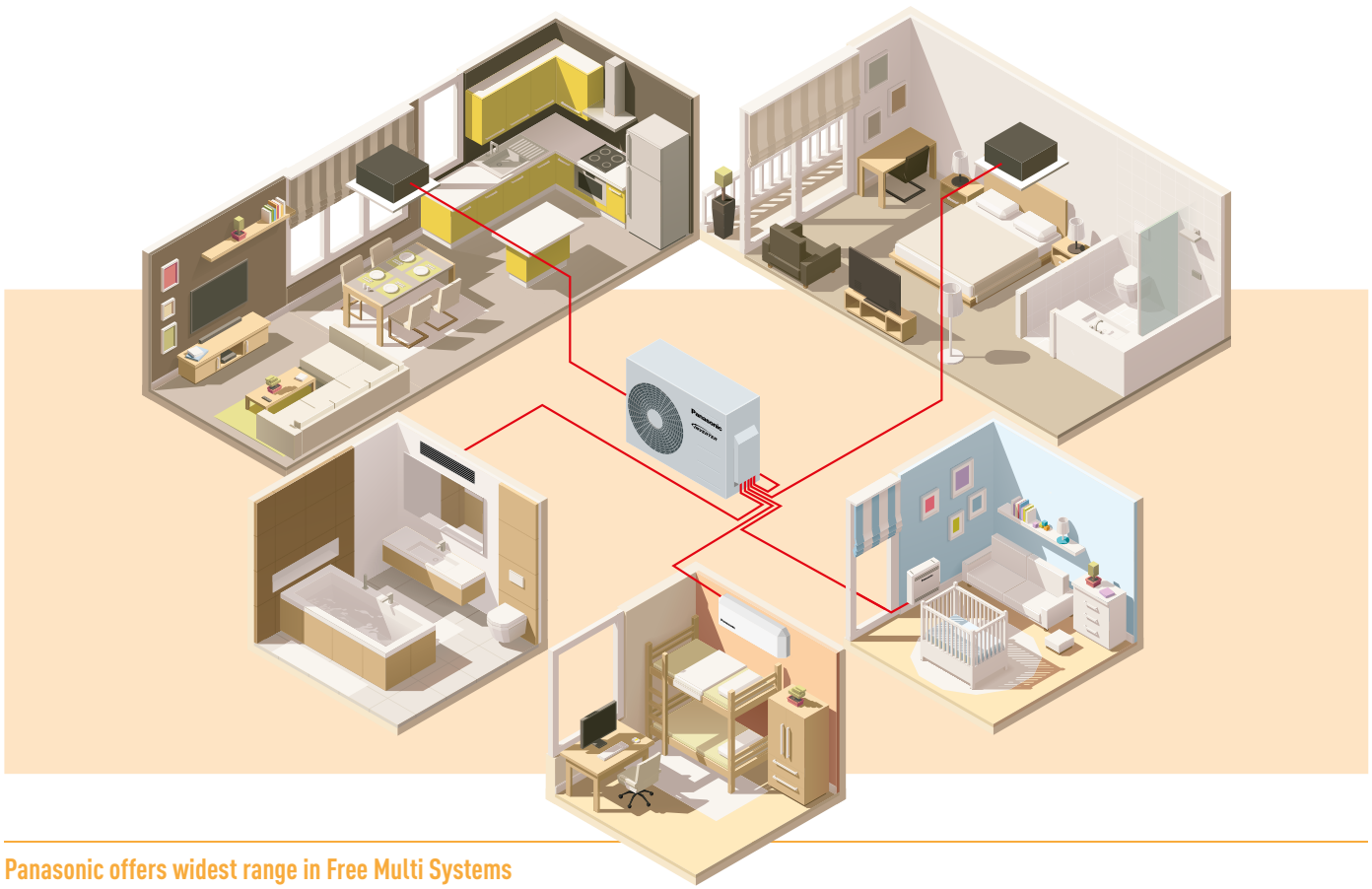
8 reason why Panasonic is the best solution for your Retail:

- Complete solution
- Flexibility and adaptation
- Go green retail: low CO_2 emissions
- Comfort - high customer satisfaction
- Future expansion
- Panasonic offers efficient systems meeting expectations over the years
- High quality of service with Panasonic pro-partner installation team
- The system will still operate up to 25% of the connected indoor units. System will not stop when up to 25% of indoor units have power supply breakdown when they are on mode



FREE MULTI SYSTEM

If air conditioning requirements exceed the ambit of a single room, Panasonic offers you a very extensive range of possibilities with up to 5 indoor units connected to a single outdoor unit.



Panasonic offers widest range in Free Multi Systems

Free Multi System range from 3,50 to 9,00 kW for 5 indoor units with one outdoor unit.

Free Multi Z

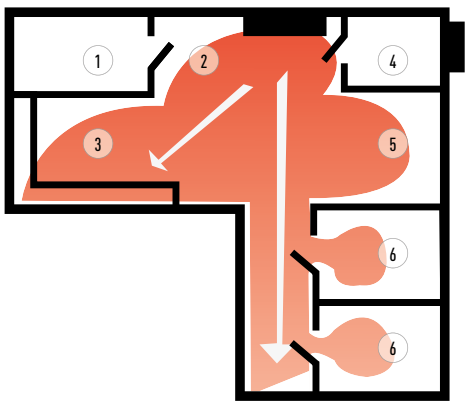
Full flexibility up to 9,00 kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++ / A++

Why a Free Multi System is better than several separate split units

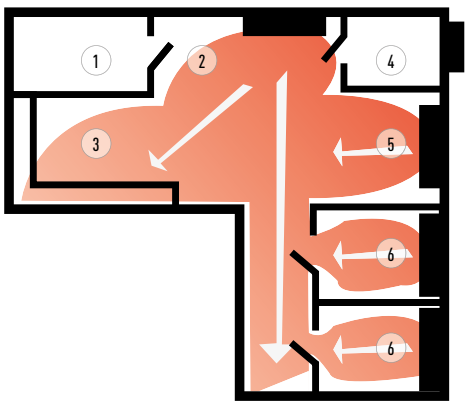
Up to 5 indoor units with a single outdoor unit.

- Just one compact outdoor unit
- Increased comfort in the house since every room has its own indoor unit for heating
- Much more powerful than a single split
- More efficient since the units are always operating at full capacity
- You can connect all types of indoor units, such as wall types and consoles, depending on what suits your house best

Solution with single split.
One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.



Solution with Free Multi System.
With one outdoor unit, you can connect up to five indoor units. There is one indoor unit per room or area. It gives an extreme increase in comfort levels. On the roof, there is only one outdoor unit.



1. Laundry room 2. Entrance 3. Kitchen/dining area 4. Bathroom 5. Living room 6. Bedroom

R32 | INVERTER+ | R2 ROTARY COMPRESSOR | -15°C HEATING MODE | R22 R410A → R32 R22/R410A RENEWAL | 5 YEARS COMPRESSOR WARRANTY

Outdoor unit Free Multi System Z • R32 Gas

Indoor nominal capacity (Min - Max)			3,20 ~ 6,00kW	3,20 ~ 6,00kW	3,20 ~ 7,70kW	4,50 ~ 9,50kW	4,50 ~ 11,20kW	4,50 ~ 11,50kW	4,50 ~ 14,70kW	4,50 ~ 18,30kW
Unit			**CU-2Z35TBE**	**CU-2Z41TBE**	**CU-2Z50TBE**	**CU-3Z52TBE**	**CU-3Z68TBE**	**CU-4Z68TBE**	**CU-4Z80TBE**	**CU-5Z90TBE**
Cooling capacity	Nominal (Min - Max)	kW	3,50 (1,50 - 4,50)	4,10 (1,50 - 5,20)	5,00 (1,50 - 5,40)	5,20 (1,80 - 7,30)	6,80 (1,90 - 8,00)	6,80 (1,90 - 8,80)	8,00 (3,00 - 9,20)	9,00 (2,90 - 11,50)
EER [1]	Nominal (Min - Max)	W/W	4,86 (6,00 - 4,09)	4,56 (6,00 - 3,80)	4,24 (6,00 - 3,62)	4,77 A	3,66 (7,04 - 3,38)	4,39 (5,59 - 3,56)	4,04 (5,66 - 3,21)	4,09 (5,27 - 2,98)
SEER [2]			**8,50 A+++**	**8,50 A+++**	**8,50 A+++**	**8,50 A+++**	**8,00 A++**	**8,00 A++**	**7,90 A++**	**8,50 A+++**
Pdesign (cooling)		kW	3,50	4,10	5,00	5,20	6,80	6,80	8,00	9,00
Input power cooling	Nominal (Min - Max)	kW	0,72 (0,25 - 1,10)	0,90 (0,25 - 1,37)	1,18 (0,25 - 1,49)	1,09 (0,36 - 2,18)	1,86 (0,27 - 2,37)	1,55 (0,34 - 2,47)	1,98 (0,53 - 2,87)	2,20 (0,55 - 3,86)
Annual energy consumption [3]		kWh/a	144	169	206	214	298	298	990	1100
Heating capacity	Nominal (Min - Max)	kW	4,20 (1,10 - 5,60)	4,60 (1,10 - 7,00)	5,60 (1,10 - 7,20)	6,80 (1,60 - 8,30)	8,50 (3,30 - 10,40)	8,50 (3,00 - 10,60)	9,40 (4,20 - 10,60)	10,40 (3,40 - 14,50)
Heating capacity at -7°C		kW	—	—	—	3,95	4,45	4,45	—	—
COP [1]	Nominal (Min - Max)	W/W	4,88 (5,24 - 4,18)	4,79 (5,24 - 3,91)	4,63 (5,24 - 4,00)	4,63 (5,00 - 3,82)	3,95 (5,32 - 3,64)	4,47 (5,17 - 3,96)	4,63 (6,00 - 3,46)	4,84 (6,42 - 3,42)
SCOP [2]			**4,60 A++**	**4,60 A++**	**4,60 A++**	**4,20 A+**	**4,20 A+**	**4,20 A+**	**4,70 A++**	**4,68 A++**
Pdesign at -10°C		kW	3,20	3,50	4,20	5,00	5,20	5,80	6,80	8,50
Input power heating	Nominal (Min - Max)	kW	0,86 (0,21 - 1,34)	0,96 (0,21 - 1,79)	1,21 (0,21 - 1,80)	1,47 (0,32 - 2,17)	2,15 (0,62 - 2,86)	1,90 (0,58 - 2,68)	2,03 (0,70 - 3,06)	2,15 (0,53 - 4,24)
Annual energy consumption [3]		kWh/a	974	1065	1278	1667	1733	1933	2026	2543
Current	Cool / Heat	A	3,35 / 4,00	4,15 / 4,45	5,35 / 5,50	5,00 / 6,70	8,40 / 9,70	7,00 / 8,60	9,50 / 9,50	10,50 / 10,10
Power source		V	230	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20	25
Recommended power cable section		mm²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	3,5
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	48 / 50	48 / 50	50 / 52	47 / 48	51 / 52	49 / 50	51 / 52	53 / 54
Dimension [5]	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	795 x 875 x 320	795 x 875 x 320	795 x 875 x 320	999 x 940 x 340	999 x 940 x 340
Net weight		kg	39	39	39	71	71	72	80	81
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Pipe length range total [6]		m	6 ~ 30	6 ~ 30	6 ~ 30	6 ~ 50	6 ~ 60	6 ~ 60	6 ~ 70	6 ~ 80
Pipe length range to one unit		m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25
Elevation difference (in/out)		m	10	10	10	15	15	15	15	15
Pipe length for additional gas		m	20	20	20	30	30	30	45	45
Additional gas amount		g/m	15	15	15	20	20	20	20	20
Refrigerant (R32) / CO_2 Eq.		kg / T	1,12 / 0,756	1,12 / 0,756	1,12 / 0,756	2,10 / 1,418	2,10 / 1,418	2,10 / 1,418	2,72 / 1,836	2,72 / 1,836
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of a position 1m in front and 1m in rear side of the main body. The sound pressure is measured in accordance with JIS C 9612. 5) Add 70 or 95mm for piping port. 6) Minimum piping length is 3 meters per indoor unit.

Possible outdoor / indoor units combinations • R32 Gas

Rooms	Model	Indoor capacity connected (Min - Max)	Wall Mounted TZ Compact Style								Floor Console*								4 Way 60x60 Cassette								Low Static Pressure Hide Away							
			16	20	25	35	42	50	60	71	16	20	25	35	42	50	60	71	16	20	25	35	42	50	60	71	16	20	25	35	42	50	60	71
2	**CU-2Z35TBE**	**3,20 ~ 6,00kW**	✔	✔	✔	✔							✔	✔							✔	✔	✔						✔	✔	✔					
	CU-2Z41TBE	**3,20 ~ 6,00kW**	✔	✔	✔	✔							✔	✔							✔	✔	✔						✔	✔	✔					
	CU-2Z50TBE	**3,20 ~ 7,70kW**	✔	✔	✔	✔	✔[1]	✔[1]					✔	✔							✔	✔	✔		✔[1]				✔	✔	✔		✔[1]			
3	**CU-3Z52TBE**	**4,50 ~ 9,50kW**	✔	✔	✔	✔	✔[1]	✔[1]													✔	✔	✔		✔[1]				✔	✔	✔		✔[1]			
	CU-3Z68TBE	**4,50 ~ 11,20kW**	✔	✔	✔	✔	✔[1]	✔[1]	✔[1]												✔	✔	✔		✔[1]	✔[1]			✔	✔	✔		✔[1]	✔[1]		
4	**CU-4Z68TBE**	**4,50 ~ 11,50kW**	✔	✔	✔	✔	✔[1]	✔[1]	✔[1]												✔	✔	✔		✔[1]	✔[1]			✔	✔	✔		✔[1]	✔[1]		
	CU-4Z80TBE	**4,50 ~ 14,70kW**	✔	✔	✔	✔	✔[1]	✔[1]	✔[1]	✔[1]											✔	✔	✔		✔[1]	✔[1]			✔	✔	✔		✔[1]	✔[1]		
5	**CU-5Z90TBE**	**4,50 ~ 18,30kW**	✔	✔	✔	✔	✔[1]	✔[1]	✔[1]	✔[1]											✔	✔	✔		✔[1]	✔[1]			✔	✔	✔		✔[1]	✔[1]		

1) A CZ-MA1P pipe reducer is needed on the 42 and 50, a CZ-MA2P pipe expander is needed on the 60 and 71, and CZ-MA3P pipe reducer on the 71. * Compatible only with 2 ports outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE.
Minimum quantity of connection: 2 indoor units.

Outdoor Multi combination model

		Model
CS-MTZ16TKE CS-TZ20TKEW-1 / CS-MZ20UB4EA / CS-MZ20UD3EA CS-TZ25TKEW-1 / CS-Z25UFEAW-1 / CS-Z25UB4EAW / CS-Z25UD3EAW CS-TZ35TKEW-1 / CS-Z35UFEAW-1 / CS-Z35UB4EAW / CS-Z35UD3EAW	CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	—
CS-TZ42TKEW-1 CS-TZ50TKEW / CS-Z50UB4EAW / CS-Z50UD3EAW	CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA1P
CS-TZ60TKEW / CS-Z60UB4EAW / CS-Z60UD3EAW	CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P
CS-TZ71TKEW	CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P / CZ-MA3P*

* For CZ-MA3P necessary to use adaptor CZ-MA2P too.

CZ-MA1P
Is to be used to reduce the connection size on the indoor unit from 1/2" to 3/8".

CZ-MA2P
Is to be used to increase the connection size on the outdoor unit from 3/8" to 1/2".

CZ-MA3P
Is to be used to reduce the connection size on the indoor unit from 5/8" to 1/2".



CZ-RD514C
Optional wired remote controller.

INTERNET CONTROL: Optional.

Wall Mounted TZ Compact Style	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [1]	Dimension / Net weight	Piping connections
					Cool — Heat (Hi/Lo/S-Lo)	H x W x D	Liquid / Gas pipe
		kW	kW	mm²	dB(A)	mm / kg	Inch (mm)
1,60kW	CS-MTZ16TKE	1,60	2,60	4 x 1,5	38/27/22 — 39/28/24	290 x 799 x 197/8	1/4 (6,35) / 3/8 (9,52)
2,00kW	CS-TZ20TKEW-1	2,00	3,20	4 x 1,5	39/27/22 — 40/28/24	290 x 799 x 197/8	1/4 (6,35) / 3/8 (9,52)
2,50kW	CS-TZ25TKEW-1	2,50	3,60	4 x 1,5	42/28/22 — 42/29/24	290 x 799 x 197/8	1/4 (6,35) / 3/8 (9,52)
3,50kW [2]	CS-TZ35TKEW-1	3,50	4,50	4 x 1,5	44/32/22 — 44/35/24	290 x 799 x 197/8	1/4 (6,35) / 3/8 (9,52)
4,20kW	CS-TZ42TKEW-1	4,20	5,00	4 x 1,5	44/33/31 — 46/37/30	290 x 799 x 197/8	1/4 (6,35) / 1/2 (12,70)
5,00kW	CS-TZ50TKEW	5,00	5,30	4 x 1,5	44/39/36 — 46/39/36	302 x 1102 x 244/12	1/4 (6,35) / 1/2 (12,70)
6,00kW	CS-TZ60TKEW	6,00	8,50	4 x 1,5	44/39/36 — 47/39/36	302 x 1102 x 244/12	1/4 (6,35) / 1/2 (12,70)
7,10kW	CS-TZ71TKEW	7,10	8,70	4 x 1,5	49/40/37 — 49/40/37	302 x 1102 x 244/13	1/4 (6,35) / 1/2 (12,70)



CZ-RD514C
Optional wired remote controller.

INTERNET CONTROL: Optional.

Floor Console [3]	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [4]	Dimension / Net weight	Piping connections
					Cool — Heat (Hi/Lo/S-Lo)	H x W x D	Liquid / Gas pipe
		kW	kW	mm²	dB(A)	mm / kg	Inch (mm)
2,50kW	CS-Z25UFEAW-1	2,50	3,60	4 x 1,5	38/25/20 — 38/25/19	600 x 750 x 207/13	1/4 (6,35) / 3/8 (9,52)
3,50kW [5]	CS-Z35UFEAW-1	3,50	4,50	4 x 1,5	39/26/20 — 39/26/19	600 x 750 x 207/13	1/4 (6,35) / 3/8 (9,52)

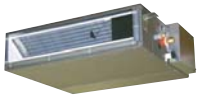


CZ-BT20EW
RAL9010 panel for 4 Way 60x60 Cassette (sold separately).

CZ-RD52CP
Optional wired remote controller.

INTERNET CONTROL READY and EASY CONTROL BY BMS: Optional.

4 Way 60x60 Cassette	Indoor unit (Panel CZ-BT20EW)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [6]	Dimension / Net weight		Piping connections
					Cool — Heat (Hi/Lo/S-Lo)	Indoor H x W x D	Panel H x W x D	Liquid / Gas pipe
		kW	kW	mm²	dB(A)	mm / kg	mm / kg	Inch (mm)
2,00kW	CS-MZ20UB4EA	2,00	3,20	4 x 1,5	35/27/24 — 36/30/27	260 x 575 x 575/18	51 x 700 x 700/2,5	1/4 (6,35) / 3/8 (9,52)
2,50kW	CS-Z25UB4EAW	2,50	3,60	4 x 1,5	36/27/24 — 37/30/27	260 x 575 x 575/18	51 x 700 x 700/2,5	1/4 (6,35) / 3/8 (9,52)
3,50kW [2]	CS-Z35UB4EAW	3,50	4,50	4 x 1,5	36/28/25 — 37/30/27	260 x 575 x 575/18	51 x 700 x 700/2,5	1/4 (6,35) / 3/8 (9,52)
5,00kW [5]	CS-Z50UB4EAW	5,00	6,80	4 x 1,5	39/30/27 — 40/31/28	260 x 575 x 575/18	51 x 700 x 700/2,5	1/4 (6,35) / 3/8 (9,52)
6,00kW	CS-Z60UB4EAW	6,00	8,50	4 x 1,5	44/34/31 — 45/34/31	260 x 575 x 575/18	51 x 700 x 700/2,5	1/4 (6,35) / 1/2 (12,70)



CZ-RL511D
NEW optional wireless kit.

INTERNET CONTROL READY and EASY CONTROL BY BMS: Optional.

Low Static Pressure Hide Away	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure [7]	Dimension / Net weight	Piping connections
					Cool — Heat (Hi/Lo/S-Lo)	H x W x D	Liquid / Gas pipe
		kW	kW	mm²	dB(A)	mm / kg	Inch (mm)
2,00kW	CS-MZ20UD3EA	2,00	3,20	4 x 1,5	34/29/26 — 36/29/26	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)
2,50kW	CS-Z25UD3EAW	2,50	3,60	4 x 1,5	35/29/26 — 37/29/26	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)
3,50kW [2]	CS-Z35UD3EAW	3,50	4,50	4 x 1,5	35/29/26 — 37/29/26	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)
5,00kW [5]	CS-Z50UD3EAW	5,00	6,80	4 x 1,5	41/31/28 — 41/32/29	200 x 750 x 640/19	1/4 (6,35) / 3/8 (9,52)
6,00kW	CS-Z60UD3EAW	6,00	8,50	4 x 1,5	43/32/29 — 43/34/31	200 x 750 x 640/19	1/4 (6,35) / 1/2 (12,70)

1) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 2) The heating capacity is 4,20kW connected to a CU-2Z35TBE. 3) Compatible only with 2 ports Outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body and 1m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) The heating capacity is 5,30kW connected to a CU-2Z50TBE. 6) The sound pressure of the indoor unit shows the value measured of a position 1,5m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) The sound pressure of the indoor unit shows the value measured of a position of 1,5m below the unit with 1m duct on the suction side and 2m duct on the discharge side. The sound pressure is measured in accordance with JIS C 9612.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 2x1 CU-2Z35TBE. Minimum capacity connected: 3,20kW. Maximum capacity connected: 6,00kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W		kW	kWh	230V	A	B	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																
16	1,60		1,60 (1,10 - 2,30)	3,90		0,41 (0,22 - 0,60)	205	1,95	2,60		2,60 (0,70 - 3,80)	3,77		0,69 (0,17 - 1,11)	345	3,20
20	2,00		2,00 (1,10 - 2,90)	3,85		0,52 (0,22 - 0,77)	260	2,45	3,20		3,20 (0,70 - 4,80)	3,76		0,85 (0,17 - 1,41)	425	3,95
25	2,50		2,50 (1,10 - 3,50)	3,73		0,67 (0,22 - 1,00)	335	3,15	3,60		3,60 (0,70 - 5,50)	3,50		1,03 (0,17 - 1,70)	515	4,75
35	3,50		3,50 (1,10 - 4,00)	3,47		1,01 (0,22 - 1,22)	505	4,70	4,20		4,20 (0,70 - 5,60)	3,44		1,22 (0,17 - 1,68)	610	5,65
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,92	**8,50** A+++	0,65 (0,25 - 1,00)	325	3,05	2,10	2,10	4,20 (1,10 - 5,60)	4,88	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
16 + 20	1,55	1,95	3,50 (1,50 - 4,50)	4,86	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,85	2,35	4,20 (1,10 - 5,60)	4,88	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
16 + 25	1,35	2,15	3,50 (1,50 - 4,50)	4,86	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,65	2,55	4,20 (1,10 - 5,60)	4,88	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
16 + 35	1,10	2,40	3,50 (1,50 - 4,50)	4,86	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,30	2,90	4,20 (1,10 - 5,60)	4,88	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
20 + 20	1,75	1,75	3,50 (1,50 - 4,50)	4,86	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	2,10	2,10	4,20 (1,10 - 5,60)	4,88	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
20 + 25	1,55	1,95	3,50 (1,50 - 4,50)	4,86	**8,50** A+++	0,72 (0,25 - 1,10)	360	3,35	1,85	2,35	4,20 (1,10 - 5,60)	4,88	**4,60** A++	0,86 (0,21 - 1,34)	430	4,00
20 + 35	1,25	2,25	3,50 (1,50 - 4,50)	5,07	**8,50** A+++	0,69 (0,25 - 1,05)	345	3,25	1,55	2,65	4,20 (1,10 - 5,60)	5,00	**4,60** A++	0,84 (0,21 - 1,29)	420	3,90
25 + 25	1,75	1,75	3,50 (1,50 - 4,50)	5,07	**8,50** A+++	0,69 (0,25 - 1,05)	345	3,25	2,10	2,10	4,20 (1,10 - 5,60)	5,00	**4,60** A++	0,84 (0,21 - 1,29)	420	3,90
25 + 35	1,45	2,05	3,50 (1,50 - 4,50)	5,07	**8,50** A+++	0,69 (0,25 - 1,05)	345	3,25	1,75	2,45	4,20 (1,10 - 5,60)	5,00	**4,60** A++	0,84 (0,21 - 1,29)	420	3,90

Free Multi 2x1 CU-2Z41TBE. Minimum capacity connected: 3,20kW. Maximum capacity connected: 6,00kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W		kW	kWh	230V	A	B	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																
16	1,60		1,60 (1,10 - 2,30)	3,90		0,41 (0,22 - 0,60)	205	1,95	2,60		2,60 (0,70 - 3,80)	3,77		0,69 (0,17 - 1,11)	345	3,20
20	2,00		2,00 (1,10 - 2,90)	3,85		0,52 (0,22 - 0,77)	260	2,45	3,20		3,20 (0,70 - 4,80)	3,76		0,85 (0,17 - 1,41)	425	3,95
25	2,50		2,50 (1,10 - 3,50)	3,73		0,67 (0,22 - 1,00)	335	3,15	3,60		3,60 (0,70 - 5,50)	3,50		1,03 (0,17 - 1,70)	515	4,75
35	3,50		3,50 (1,10 - 4,00)	3,47		1,01 (0,22 - 1,22)	505	4,70	4,50		4,50 (0,70 - 6,20)	3,60		1,25 (0,17 - 1,81)	625	5,80
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,71	**8,50** A+++	0,68 (0,25 - 0,99)	340	3,15	2,20	2,20	4,40 (1,10 - 7,00)	4,68	**4,60** A++	0,94 (0,21 - 1,81)	470	4,35
16 + 20	1,60	2,00	3,60 (1,50 - 4,50)	4,62	**8,50** A+++	0,78 (0,25 - 1,15)	390	3,60	2,05	2,55	4,60 (1,10 - 7,00)	4,79	**4,60** A++	0,96 (0,21 - 1,79)	480	4,45
16 + 25	1,60	2,50	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,80	2,80	4,60 (1,10 - 7,00)	4,79	**4,60** A++	0,96 (0,21 - 1,79)	480	4,45
16 + 35	1,30	2,80	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,45	3,15	4,60 (1,10 - 7,00)	4,79	**4,60** A++	0,96 (0,21 - 1,79)	480	4,45
20 + 20	2,00	2,00	4,00 (1,50 - 5,00)	4,49	**8,50** A+++	0,89 (0,25 - 1,31)	445	4,10	2,30	2,30	4,60 (1,10 - 7,00)	4,84	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
20 + 25	1,80	2,30	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	2,05	2,55	4,60 (1,10 - 7,00)	4,84	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
20 + 35	1,50	2,60	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,65	2,95	4,60 (1,10 - 7,00)	4,84	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
25 + 25	2,05	2,05	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	2,30	2,30	4,60 (1,10 - 7,00)	4,84	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40
25 + 35	1,70	2,40	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	1,90	2,70	4,60 (1,10 - 7,00)	4,84	**4,60** A++	0,95 (0,21 - 1,77)	475	4,40

Free Multi 2x1 CU-2Z50TBE. Minimum capacity connected: 3,20kW. Maximum capacity connected: 7,70kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W		kW	kWh	230V	A	B	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																
16	1,60		1,60 (1,10 - 2,30)	3,90		0,41 (0,22 - 0,60)	205	1,95	2,60		2,60 (0,70 - 3,80)	3,77		0,69 (0,17 - 1,11)	345	3,20
20	2,00		2,00 (1,10 - 2,90)	3,85		0,52 (0,22 - 0,77)	260	2,45	3,20		3,20 (0,70 - 4,80)	3,76		0,85 (0,17 - 1,41)	425	3,95
25	2,50		2,50 (1,10 - 3,50)	3,73		0,67 (0,22 - 1,00)	335	3,15	3,60		3,60 (0,70 - 5,50)	3,50		1,03 (0,17 - 1,70)	515	4,75
35	3,50		3,50 (1,10 - 4,00)	3,47		1,01 (0,22 - 1,22)	505	4,70	4,50		4,50 (0,70 - 6,20)	3,60		1,25 (0,17 - 1,81)	625	5,80
42	4,20		4,20 (1,10 - 4,50)	3,09		1,36 (0,22 - 1,50)	680	6,35	5,00		5,00 (1,10 - 6,40)	3,23		1,55 (0,21 - 2,18)	775	7,15
50	5,00		5,00 (1,20 - 5,10)	2,96		1,69 (0,23 - 1,79)	845	7,80	5,30		5,30 (1,10 - 6,80)	3,23		1,64 (0,21 - 2,29)	820	7,60
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,71	**8,50** A+++	0,68 (0,25 - 0,99)	340	3,15	2,60	2,60	5,20 (1,10 - 7,00)	4,60	**4,60** A++	1,13 (0,21 - 1,81)	565	5,10
16 + 20	1,60	2,00	3,60 (1,50 - 4,50)	4,62	**8,50** A+++	0,78 (0,25 - 1,15)	390	3,60	2,40	3,00	5,40 (1,10 - 7,00)	4,58	**4,60** A++	1,18 (0,21 - 1,79)	590	5,35
16 + 25	1,60	2,50	4,10 (1,50 - 5,20)	4,56	**8,50** A+++	0,90 (0,25 - 1,37)	450	4,15	2,10	3,30	5,40 (1,10 - 7,00)	4,58	**4,60** A++	1,18 (0,21 - 1,79)	590	5,35
16 + 35	1,55	3,45	5,00 (1,50 - 5,20)	4,24	**8,50** A+++	1,18 (0,25 - 1,37)	590	5,35	1,70	3,70	5,40 (1,10 - 7,00)	4,58	**4,60** A++	1,18 (0,21 - 1,79)	590	5,35
16 + 42	1,40	3,60	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,55	4,05	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
16 + 50	1,20	3,80	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,35	4,25	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
20 + 20	2,00	2,00	4,00 (1,50 - 5,00)	4,49	**8,50** A+++	0,89 (0,25 - 1,31)	445	4,10	2,70	2,70	5,40 (1,10 - 7,00)	4,62	**4,60** A++	1,17 (0,21 - 1,77)	585	5,30
20 + 25	2,00	2,50	4,50 (1,50 - 5,20)	4,37	**8,50** A+++	1,03 (0,25 - 1,37)	515	4,65	2,40	3,00	5,40 (1,10 - 7,00)	4,62	**4,60** A++	1,17 (0,21 - 1,77)	585	5,30
20 + 35	1,80	3,20	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,05	3,55	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
20 + 42	1,60	3,40	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,80	3,80	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
20 + 50	1,45	3,55	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,60	4,00	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 25	2,50	2,50	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,80	2,80	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 35	2,10	2,90	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,35	3,25	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 42	1,85	3,15	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,10	3,50	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
25 + 50	1,65	3,35	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	1,85	3,75	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
35 + 35	2,50	2,50	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,80	2,80	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50
35 + 42	2,25	2,75	5,00 (1,50 - 5,40)	4,24	**8,50** A+++	1,18 (0,25 - 1,49)	590	5,35	2,55	3,05	5,60 (1,10 - 7,20)	4,63	**4,60** A++	1,21 (0,21 - 1,80)	605	5,50

1) Energy Label Scale from A+++ to D.

Free Multi 3x1 CU-3Z52TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 9,50kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																		
16	1,60			1,60 (1,30 - 2,30)	4,00		0,40 (0,25 - 0,64)	200	2,00	2,60			2,60 (1,20 - 3,20)	4,33		0,60 (0,30 - 0,96)	300	3,00
20	2,00			2,00 (1,80 - 2,90)	4,00		0,50 (0,34 - 0,81)	250	2,50	3,20			3,20 (1,20 - 4,10)	4,32		0,74 (0,30 - 1,23)	370	3,70
25	2,50			2,50 (1,80 - 2,90)	3,97		0,63 (0,34 - 0,81)	315	3,00	3,60			3,60 (1,20 - 4,30)	3,83		0,94 (0,30 - 1,23)	470	4,50
35	3,50			3,50 (1,80 - 3,80)	3,72		0,94 (0,34 - 1,36)	470	4,30	4,50			4,50 (1,20 - 5,80)	3,66		1,23 (0,30 - 2,10)	615	5,80
42	4,20			4,20 (1,80 - 4,30)	3,07		1,37 (0,34 - 1,99)	685	6,10	5,60			5,60 (1,20 - 6,80)	3,26		1,72 (0,30 - 2,93)	860	7,70
50	5,00			5,00 (1,90 - 5,70)	3,23		1,55 (0,34 - 2,13)	775	6,80	6,80			6,80 (1,20 - 6,90)	3,24		2,10 (0,30 - 2,52)	1050	9,20
2 Rooms																		
16 + 16	1,60	1,60		3,20 (1,80 - 6,20)	5,42	**7,00** A+++	0,59 (0,33 - 2,09)	295	2,90	2,60	2,60		5,20 (1,40 - 7,00)	4,13	**3,80** A	1,26 (0,34 - 1,99)	630	5,80
16 + 20	1,60	2,00		3,60 (1,80 - 6,20)	4,93	**7,00** A+++	0,73 (0,33 - 2,05)	365	3,50	2,58	3,22		5,80 (1,40 - 7,00)	4,03	**3,80** A	1,44 (0,33 - 1,95)	720	6,60
16 + 25	1,60	2,50		4,10 (1,80 - 6,20)	4,66	**7,00** A+++	0,88 (0,33 - 2,05)	440	4,10	2,42	3,78		6,20 (1,40 - 7,00)	3,95	**3,80** A	1,57 (0,33 - 1,95)	785	7,20
16 + 35	1,60	3,50		5,10 (1,80 - 6,30)	3,89	**7,00** A+++	1,31 (0,33 - 2,06)	655	6,00	2,13	4,67		6,80 (1,40 - 7,30)	3,89	**3,80** A	1,75 (0,29 - 2,05)	875	7,90
16 + 42	1,43	3,77		5,20 (1,90 - 6,40)	3,85	**7,00** A+++	1,35 (0,35 - 2,10)	675	6,20	1,88	4,92		6,80 (1,40 - 7,30)	3,98	**3,80** A	1,71 (0,31 - 2,04)	855	7,80
16 + 50	1,26	3,94		5,20 (1,90 - 6,80)	4,44	**7,20** A+++	1,17 (0,34 - 2,04)	585	5,40	1,65	5,15		6,80 (1,40 - 8,00)	4,36	**4,00** A+	1,56 (0,27 - 2,15)	780	7,10
20 + 20	2,00	2,00		4,00 (1,80 - 6,20)	4,71	**7,00** A+++	0,85 (0,33 - 2,01)	425	4,00	3,20	3,20		6,40 (1,40 - 7,00)	3,93	**3,80** A	1,63 (0,32 - 1,95)	815	7,40
20 + 25	2,00	2,50		4,50 (1,80 - 6,20)	4,33	**7,00** A+++	1,04 (0,33 - 2,01)	520	4,80	3,02	3,78		6,80 (1,40 - 7,00)	3,86	**3,80** A	1,76 (0,29 - 1,95)	880	8,00
20 + 35	1,89	3,31		5,20 (1,80 - 6,30)	3,85	**7,00** A+++	1,35 (0,33 - 2,02)	675	6,20	2,47	4,33		6,80 (1,40 - 7,30)	3,98	**3,80** A	1,71 (0,28 - 2,04)	855	7,80
20 + 42	1,68	3,52		5,20 (1,90 - 6,40)	3,94	**7,00** A+++	1,32 (0,35 - 2,06)	660	6,00	2,19	4,61		6,80 (1,40 - 7,30)	4,00	**3,80** A	1,70 (0,30 - 2,00)	850	7,80
20 + 50	1,49	3,71		5,20 (1,90 - 6,80)	4,44	**7,20** A+++	1,17 (0,34 - 2,04)	585	5,40	1,94	4,86		6,80 (1,40 - 8,00)	4,36	**4,00** A+	1,56 (0,27 - 2,15)	780	7,10
25 + 25	2,50	2,50		5,00 (1,80 - 6,20)	3,91	**7,00** A+++	1,28 (0,33 - 2,01)	640	5,80	3,40	3,40		6,80 (1,40 - 7,00)	3,86	**3,80** A	1,76 (0,29 - 1,95)	880	8,00
25 + 35	2,17	3,03		5,20 (1,90 - 6,30)	3,85	**7,00** A+++	1,35 (0,35 - 2,02)	675	6,20	2,83	3,97		6,80 (1,40 - 7,30)	3,98	**3,80** A	1,71 (0,28 - 2,04)	855	7,80
25 + 42	1,94	3,26		5,20 (1,90 - 6,40)	3,94	**7,00** A+++	1,32 (0,35 - 2,06)	660	6,00	2,54	4,26		6,80 (1,40 - 7,30)	4,00	**3,80** A	1,70 (0,28 - 2,00)	850	7,80
25 + 50	1,73	3,47		5,20 (1,90 - 6,80)	4,44	**7,20** A+++	1,17 (0,34 - 2,04)	585	5,40	2,27	4,53		6,80 (1,40 - 8,00)	4,36	**4,00** A+	1,56 (0,24 - 2,15)	780	7,10
35 + 35	2,60	2,60		5,20 (1,90 - 6,40)	4,06	**7,00** A+++	1,28 (0,35 - 2,02)	640	5,80	3,40	3,40		6,80 (1,40 - 7,50)	4,02	**3,80** A	1,69 (0,27 - 2,06)	845	7,70
35 + 42	2,36	2,84		5,20 (1,90 - 6,50)	4,06	**7,00** A+++	1,28 (0,35 - 2,07)	640	5,80	3,09	3,71		6,80 (1,40 - 7,50)	4,02	**3,80** A	1,69 (0,26 - 2,06)	845	7,70
35 + 50	2,14	3,06		5,20 (1,90 - 6,90)	4,60	**7,20** A+++	1,13 (0,36 - 2,04)	565	5,20	2,80	4,00		6,80 (1,40 - 8,00)	4,42	**4,00** A+	1,54 (0,24 - 2,08)	770	7,00
42 + 42	2,60	2,60		5,20 (1,90 - 6,50)	4,06	**7,00** A+++	1,28 (0,35 - 2,07)	640	5,80	3,40	3,40		6,80 (1,40 - 7,60)	4,12	**3,80** A	1,65 (0,26 - 2,09)	825	7,50
42 + 50	2,37	2,83		5,20 (1,90 - 6,90)	4,60	**7,20** A+++	1,13 (0,36 - 2,04)	565	5,20	3,10	3,70		6,80 (1,40 - 8,00)	4,44	**4,00** A+	1,53 (0,24 - 2,08)	765	7,00
3 Rooms																		
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,80 - 7,20)	5,05	**8,50** A+++	0,95 (0,36 - 2,13)	475	4,40	2,26	2,26	2,26	6,78 (1,50 - 8,10)	4,58	**4,20** A+	1,48 (0,29 - 2,10)	740	6,80
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,80 - 7,30)	4,77	**8,50** A+++	1,09 (0,36 - 2,18)	545	5,00	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,63	**4,20** A+	1,47 (0,32 - 2,17)	735	6,70
16 + 16 + 25	1,46	1,46	2,28	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,91	1,91	2,98	6,80 (1,60 - 8,30)	4,63	**4,20** A+	1,47 (0,32 - 2,17)	735	6,70
16 + 16 + 35	1,24	1,24	2,72	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	1,62	1,62	3,56	6,80 (1,60 - 8,30)	4,69	**4,20** A+	1,45 (0,34 - 2,10)	725	6,60
16 + 16 + 42	1,12	1,12	2,96	5,20 (1,80 - 7,30)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,47	1,47	3,86	6,80 (1,60 - 8,30)	4,69	**4,20** A+	1,45 (0,31 - 2,10)	725	6,60
16 + 16 + 50	1,01	1,01	3,18	5,20 (1,80 - 7,30)	5,15	**8,50** A+++	1,01 (0,42 - 1,91)	505	4,70	1,33	1,33	4,14	6,80 (1,60 - 8,30)	5,07	**4,20** A+	1,34 (0,33 - 1,96)	670	6,10
16 + 20 + 20	1,48	1,86	1,86	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,66	**4,20** A+	1,46 (0,31 - 2,12)	730	6,70
16 + 20 + 25	1,36	1,70	2,14	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,78	2,23	2,79	6,80 (1,60 - 8,30)	4,66	**4,20** A+	1,46 (0,31 - 2,12)	730	6,70
16 + 20 + 35	1,17	1,46	2,57	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,00)	545	5,00	1,53	1,92	3,35	6,80 (1,60 - 8,30)	4,69	**4,20** A+	1,45 (0,34 - 2,10)	725	6,60
16 + 20 + 42	1,07	1,33	2,80	5,20 (1,80 - 7,30)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,39	1,74	3,67	6,80 (1,60 - 8,30)	4,72	**4,20** A+	1,44 (0,31 - 2,09)	720	6,60
16 + 20 + 50	0,97	1,21	3,02	5,20 (1,80 - 7,30)	5,15	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,27	1,58	3,95	6,80 (1,60 - 8,30)	5,11	**4,20** A+	1,33 (0,34 - 1,95)	665	6,10
16 + 25 + 25	1,26	1,97	1,97	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,64	2,58	2,58	6,80 (1,60 - 8,30)	4,66	**4,20** A+	1,46 (0,31 - 2,12)	730	6,70
16 + 25 + 35	1,09	1,71	2,40	5,20 (1,80 - 7,30)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,43	2,24	3,13	6,80 (1,60 - 8,30)	4,69	**4,20** A+	1,45 (0,34 - 2,10)	725	6,60
16 + 25 + 42	1,00	1,57	2,63	5,20 (1,80 - 7,30)	4,77	**8,50** A+++	1,09 (0,39 - 2,09)	545	5,00	1,31	2,05	3,44	6,80 (1,60 - 8,30)	4,72	**4,20** A+	1,44 (0,31 - 2,09)	720	6,60
16 + 25 + 50	0,91	1,43	2,86	5,20 (1,80 - 7,30)	5,15	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,19	1,87	3,74	6,80 (1,60 - 8,30)	5,11	**4,20** A+	1,33 (0,34 - 1,95)	665	6,10
16 + 35 + 35	0,96	2,12	2,12	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,26	2,77	2,77	6,80 (1,60 - 8,30)	4,76	**4,20** A+	1,43 (0,32 - 2,07)	715	6,50
16 + 35 + 42	0,89	1,96	2,35	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,17	2,56	3,07	6,80 (1,60 - 8,30)	4,79	**4,20** A+	1,42 (0,32 - 2,06)	710	6,50
20 + 20 + 20	1,73	1,73	1,73	5,19 (1,90 - 7,20)	4,76	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,64	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
20 + 20 + 25	1,60	1,60	2,00	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,66	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
20 + 20 + 35	1,39	1,39	2,42	5,20 (1,90 - 7,20)	4,95	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,81	1,81	3,18	6,80 (1,60 - 8,30)	4,72	**4,20** A+	1,44 (0,34 - 2,09)	720	6,60
20 + 20 + 42	1,27	1,27	2,66	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,66	1,66	3,48	6,80 (1,60 - 8,30)	4,76	**4,20** A+	1,43 (0,32 - 2,08)	715	6,50
20 + 20 + 50	1,16	1,16	2,88	5,20 (1,80 - 7,30)	5,15	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,51	1,51	3,78	6,80 (1,60 - 8,30)	5,11	**4,20** A+	1,33 (0,34 - 1,94)	665	6,10
20 + 25 + 25	1,48	1,86	1,86	5,20 (1,90 - 7,20)	4,77	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,66	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
20 + 25 + 35	1,29	1,63	2,28	5,20 (1,90 - 7,20)	4,95	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,69	2,13	2,98	6,80 (1,60 - 8,30)	4,72	**4,20** A+	1,44 (0,34 - 2,09)	720	6,60
20 + 25 + 42	1,20	1,49	2,51	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,56	1,95	3,29	6,80 (1,60 - 8,30)	4,76	**4,20** A+	1,43 (0,32 - 2,08)	715	6,50
20 + 25 + 50	1,09	1,37	2,74	5,20 (1,80 - 7,30)	5,15	**8,50** A+++	1,01 (0,42 - 1,86)	505	4,70	1,43	1,79	3,58	6,80 (1,60 - 8,30)	5,11	**4,20** A+	1,33 (0,34 - 1,94)	665	6,10
20 + 35 + 35	1,16	2,02	2,02	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,52	2,64	2,64	6,80 (1,60 - 8,30)	4,79	**4,20** A+	1,42 (0,32 - 2,06)	710	6,50
25 + 25 + 25	1,73	1,73	1,73	5,19 (1,90 - 7,20)	4,76	**8,50** A+++	1,09 (0,39 - 2,04)	545	5,00	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,64	**4,20** A+	1,46 (0,31 - 2,11)	730	6,70
25 + 25 + 35	1,53	1,53	2,14	5,20 (1,90 - 7,20)	4,95	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	2,00	2,00	2,80	6,80 (1,60 - 8,30)	4,72	**4,20** A+	1,44 (0,31 - 2,09)	720	6,60
25 + 25 + 42	1,41	1,41	2,38	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,04)	525	4,80	1,85	1,85	3,10	6,80 (1,60 - 8,30)	4,76	**4,20** A+	1,43 (0,68 - 2,08)	715	6,50
25 + 35 + 35	1,36	1,92	1,92	5,20 (1,80 - 7,30)	4,95	**8,50** A+++	1,05 (0,39 - 2,00)	525	4,80	1,78	2,51	2,51	6,80 (1,60 - 8,30)	4,79	**4,20** A+	1,42 (0,68 - 2,06)	710	6,50

1) Energy Label Scale from A+++ to D.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 3x1 CU-3Z68TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 11,20kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																		
16	1,60			1,60 (1,30 - 2,30)	4,00		0,40 (0,25 - 0,64)	200	2,00	2,60			2,60 (1,20 - 3,20)	4,33		0,60 (0,30 - 0,96)	300	3,00
20	2,00			2,00 (1,80 - 2,90)	4,00		0,50 (0,34 - 0,81)	250	2,50	3,20			3,20 (1,20 - 4,10)	4,32		0,74 (0,30 - 1,23)	370	3,70
25	2,50			2,50 (1,80 - 2,90)	3,97		0,63 (0,34 - 0,81)	315	3,20	3,60			3,60 (1,20 - 4,30)	3,83		0,94 (0,30 - 1,23)	470	4,70
35	3,50			3,50 (1,80 - 3,80)	3,72		0,94 (0,34 - 1,36)	470	4,50	4,50			4,50 (1,20 - 5,80)	3,66		1,23 (0,30 - 2,10)	615	6,00
42	4,20			4,20 (1,80 - 4,30)	3,07		1,37 (0,34 - 1,99)	685	6,40	5,60			5,60 (1,20 - 6,80)	3,26		1,72 (0,30 - 2,93)	860	8,00
50	5,00			5,00 (1,90 - 5,70)	3,23		1,55 (0,34 - 2,13)	775	7,20	6,80			6,80 (1,20 - 6,90)	3,24		2,10 (0,30 - 2,52)	1050	9,70
60	6,00			6,00 (1,90 - 6,20)	2,96		2,03 (0,34 - 2,33)	1015	9,20	8,50			8,50 (1,30 - 9,00)	3,54		2,40 (0,62 - 2,55)	1200	11,10
2 Rooms																		
16 + 16	1,60	1,60		3,20 (1,90 - 6,40)	5,71	**6,10** A+++	0,56 (0,27 - 2,12)	280	2,80	2,60	2,60		5,20 (2,70 - 9,80)	4,00	**3,80** A	1,30 (0,66 - 3,01)	650	5,90
16 + 20	1,60	2,00		3,60 (1,90 - 6,40)	5,22	**6,10** A+++	0,69 (0,27 - 2,08)	345	3,40	2,58	3,22		5,80 (2,70 - 9,80)	3,92	**3,80** A	1,48 (0,65 - 3,02)	740	6,80
16 + 25	1,60	2,50		4,10 (1,90 - 6,40)	4,94	**6,10** A+++	0,83 (0,27 - 2,08)	415	3,90	2,42	3,78		6,20 (2,70 - 9,80)	3,85	**3,80** A	1,61 (0,65 - 3,02)	805	7,40
16 + 35	1,60	3,50		5,10 (1,90 - 6,90)	4,08	**6,10** A+++	1,25 (0,27 - 2,48)	625	5,70	2,23	4,87		7,10 (2,70 - 9,90)	3,74	**3,80** A	1,90 (0,63 - 3,02)	950	8,60
16 + 42	1,60	4,20		5,80 (1,90 - 6,90)	3,60	**6,10** A+++	1,61 (0,27 - 2,44)	805	7,40	2,26	5,94		8,20 (2,70 - 9,90)	3,52	**3,80** A	2,33 (0,63 - 3,02)	1165	10,50
16 + 50	1,60	5,00		6,60 (2,00 - 7,50)	3,63	**6,50** A+++	1,82 (0,28 - 2,52)	910	8,20	2,06	6,44		8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
16 + 60	1,43	5,37		6,80 (2,00 - 7,50)	3,49	**6,50** A+++	1,95 (0,28 - 2,52)	975	8,80	1,79	6,71		8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
20 + 20	2,00	2,00		4,00 (1,90 - 6,40)	5,00	**6,10** A+++	0,80 (0,27 - 2,04)	400	3,80	3,20	3,20		6,40 (2,70 - 9,80)	3,83	**3,80** A	1,67 (0,64 - 3,02)	835	7,60
20 + 25	2,00	2,50		4,50 (1,90 - 6,40)	4,59	**6,10** A+++	0,98 (0,27 - 2,04)	490	4,60	3,02	3,78		6,80 (2,70 - 9,80)	3,78	**3,80** A	1,80 (0,64 - 3,02)	900	8,10
20 + 35	2,00	3,50		5,50 (1,90 - 6,90)	3,85	**6,10** A+++	1,43 (0,27 - 2,44)	715	6,50	2,80	4,90		7,70 (2,70 - 9,90)	3,65	**3,80** A	2,11 (0,63 - 3,02)	1055	9,50
20 + 42	2,00	4,20		6,20 (1,90 - 6,90)	3,35	**6,10** A+++	1,85 (0,27 - 2,40)	925	8,40	2,74	5,76		8,50 (2,70 - 9,90)	3,48	**3,80** A	2,44 (0,62 - 3,03)	1220	11,00
20 + 50	1,94	4,86		6,80 (2,00 - 7,50)	3,49	**6,50** A+++	1,95 (0,28 - 2,48)	975	8,80	2,43	6,07		8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
20 + 60	1,70	5,10		6,80 (2,00 - 7,50)	3,49	**6,50** A+++	1,95 (0,28 - 2,48)	975	8,80	2,12	6,38		8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
25 + 25	2,50	2,50		5,00 (1,90 - 6,80)	4,13	**6,10** A+++	1,21 (0,27 - 2,43)	605	5,60	3,60	3,60		7,20 (2,70 - 9,80)	3,71	**3,80** A	1,94 (0,64 - 3,02)	970	8,80
25 + 35	2,50	3,50		6,00 (1,90 - 6,90)	3,47	**6,10** A+++	1,73 (0,27 - 2,44)	865	7,90	3,37	4,73		8,10 (2,70 - 9,90)	3,60	**3,80** A	2,25 (0,63 - 3,02)	1125	10,20
25 + 42	2,50	4,20		6,70 (1,90 - 6,90)	2,94	**6,10** A+++	2,28 (0,27 - 2,40)	1140	10,30	3,17	5,33		8,50 (2,70 - 9,90)	3,48	**3,80** A	2,44 (0,62 - 3,03)	1220	11,00
25 + 50	2,27	4,53		6,80 (1,90 - 7,50)	3,49	**6,50** A+++	1,95 (0,26 - 2,48)	975	8,80	2,83	5,67		8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
25 + 60	2,00	4,80		6,80 (1,90 - 7,50)	3,49	**6,50** A+++	1,95 (0,26 - 2,48)	975	8,80	2,50	6,00		8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
35 + 35	3,40	3,40		6,80 (1,90 - 7,00)	2,97	**6,10** A+++	2,29 (0,27 - 2,40)	1145	10,40	4,25	4,25		8,50 (2,80 - 10,00)	3,56	**3,80** A	2,39 (0,64 - 3,02)	1195	10,80
35 + 42	3,09	3,71		6,80 (1,90 - 7,10)	3,04	**6,10** A+++	2,24 (0,27 - 2,50)	1120	10,10	3,86	4,64		8,50 (2,80 - 10,00)	3,56	**3,80** A	2,39 (0,60 - 3,02)	1195	10,80
35 + 50	2,80	4,00		6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,48)	935	8,50	3,50	5,00		8,50 (2,80 - 10,30)	3,86	**3,80** A	2,20 (0,54 - 2,97)	1100	10,00
35 + 60	2,51	4,29		6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,48)	935	8,50	3,13	5,37		8,50 (2,80 - 10,30)	3,86	**3,80** A	2,20 (0,54 - 2,97)	1100	10,00
42 + 42	3,40	3,40		6,80 (1,90 - 7,10)	3,02	**6,10** A+++	2,25 (0,26 - 2,45)	1125	10,20	4,25	4,25		8,50 (2,80 - 10,00)	3,57	**3,80** A	2,38 (0,60 - 2,98)	1190	10,80
42 + 50	3,10	3,70		6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,44)	935	8,50	3,88	4,62		8,50 (2,80 - 10,30)	3,88	**3,80** A	2,19 (0,54 - 2,96)	1095	9,90
42 + 60	2,80	4,00		6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,44)	935	8,50	3,50	5,00		8,50 (2,80 - 10,30)	3,88	**3,80** A	2,19 (0,54 - 2,96)	1095	9,90
50 + 50	3,40	3,40		6,80 (2,10 - 8,10)	4,10	**6,50** A+++	1,66 (0,32 - 2,50)	830	7,60	4,25	4,25		8,50 (2,80 - 10,50)	4,15	**3,80** A	2,05 (0,51 - 2,87)	1025	9,30
50 + 60	3,09	3,71		6,80 (2,10 - 8,10)	4,10	**6,50** A+++	1,66 (0,32 - 2,50)	830	7,60	3,86	4,64		8,50 (2,80 - 10,50)	4,15	**3,80** A	2,05 (0,51 - 2,87)	1025	9,30
3 Rooms																		
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,90 - 8,00)	4,85	**8,00** A+++	0,99 (0,27 - 2,50)	495	4,60	2,60	2,60	2,60	7,80 (3,30 - 10,40)	3,98	**4,20** A+	1,96 (0,64 - 2,95)	980	8,90
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,90 - 8,00)	4,60	**8,00** A+++	1,13 (0,27 - 2,46)	565	5,20	2,58	2,58	3,24	8,40 (3,30 - 10,40)	3,84	**4,20** A+	2,19 (0,64 - 2,94)	1095	9,90
16 + 16 + 25	1,60	1,60	2,50	5,70 (1,90 - 8,00)	4,19	**8,00** A+++	1,36 (0,27 - 2,46)	680	6,20	2,39	2,39	3,72	8,50 (3,30 - 10,40)	3,81	**4,20** A+	2,23 (0,64 - 2,94)	1115	10,10
16 + 16 + 35	1,60	1,60	3,50	6,70 (1,90 - 8,00)	3,68	**8,00** A+++	1,82 (0,27 - 2,37)	910	8,20	2,03	2,03	4,44	8,50 (3,30 - 10,40)	3,94	**4,20** A+	2,16 (0,63 - 2,92)	1080	9,80
16 + 16 + 42	1,47	1,47	3,86	6,80 (1,90 - 8,10)	3,66	**8,00** A+++	1,86 (0,27 - 2,46)	930	8,40	1,84	1,84	4,82	8,50 (3,30 - 10,50)	3,95	**4,20** A+	2,15 (0,62 - 2,95)	1075	9,70
16 + 16 + 50	1,33	1,33	4,14	6,80 (2,00 - 8,50)	3,93	**8,00** A+++	1,73 (0,32 - 2,42)	865	7,90	1,66	1,66	5,18	8,50 (3,20 - 10,60)	4,21	**4,20** A+	2,02 (0,60 - 2,80)	1010	9,10
16 + 16 + 60	1,18	1,18	4,44	6,80 (2,00 - 8,50)	3,93	**8,00** A+++	1,73 (0,32 - 2,42)	865	7,90	1,48	1,48	5,54	8,50 (3,20 - 10,60)	4,21	**4,20** A+	2,02 (0,60 - 2,80)	1010	9,10
16 + 20 + 20	1,60	2,00	2,00	5,60 (1,90 - 8,00)	4,38	**8,00** A+++	1,28 (0,27 - 2,46)	640	5,80	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,83	**4,20** A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 20 + 25	1,60	2,00	2,50	6,10 (1,90 - 8,00)	4,01	**8,00** A+++	1,52 (0,27 - 2,46)	760	6,90	2,23	2,79	3,48	8,50 (3,30 - 10,40)	3,83	**4,20** A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 20 + 35	1,53	1,92	3,35	6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,37)	930	8,40	1,92	2,39	4,19	8,50 (3,30 - 10,40)	3,95	**4,20** A+	2,15 (0,62 - 2,86)	1075	9,70
16 + 20 + 42	1,39	1,74	3,67	6,80 (1,90 - 8,10)	3,66	**8,00** A+++	1,86 (0,27 - 2,42)	930	8,40	1,74	2,18	4,58	8,50 (3,30 - 10,50)	3,95	**4,20** A+	2,15 (0,62 - 2,90)	1075	9,70
16 + 20 + 50	1,27	1,58	3,95	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,58	1,98	4,94	8,50 (3,20 - 10,60)	4,23	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 20 + 60	1,13	1,42	4,25	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,42	1,77	5,31	8,50 (3,20 - 10,60)	4,23	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 25 + 25	1,60	2,50	2,50	6,60 (1,90 - 8,00)	3,73	**8,00** A+++	1,77 (0,27 - 2,46)	885	8,00	2,06	3,22	3,22	8,50 (3,30 - 10,40)	3,83	**4,20** A+	2,22 (0,63 - 2,93)	1110	10,00
16 + 25 + 35	1,43	2,24	3,13	6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,37)	930	8,40	1,79	2,80	3,91	8,50 (3,30 - 10,40)	3,95	**4,20** A+	2,15 (0,62 - 2,86)	1075	9,70
16 + 25 + 42	1,31	2,05	3,44	6,80 (1,90 - 8,10)	3,66	**8,00** A+++	1,86 (0,27 - 2,42)	930	8,40	1,64	2,56	4,30	8,50 (3,30 - 10,50)	3,95	**4,20** A+	2,15 (0,62 - 2,90)	1075	9,70
16 + 25 + 50	1,19	1,87	3,74	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,49	2,34	4,67	8,50 (3,20 - 10,60)	4,23	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 25 + 60	1,08	1,68	4,04	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,35	2,10	5,05	8,50 (3,20 - 10,60)	4,23	**4,20** A+	2,01 (0,60 - 2,79)	1005	9,10
16 + 35 + 35	1,26	2,77	2,77	6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,37)	910	8,20	1,58	3,46	3,46	8,50 (3,30 - 10,50)	3,99	**4,20** A+	2,13 (0,64 - 2,88)	1065	9,60
16 + 35 + 42	1,17	2,56	3,07	6,80 (1,90 - 8,20)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	1,46	3,20	3,84	8,50 (3,30 - 10,50)	4,01	**4,20** A+	2,12 (0,64 - 2,87)	1060	9,60
16 + 35 + 50	1,07	2,36	3,37	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,34	2,95	4,21	8,50 (3,20 - 10,60)	4,27	**4,20** A+	1,99 (0,60 - 2,77)	995	9,00
16 + 35 + 60	0,98	2,14	3,68	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,23	2,68	4,59	8,50 (3,20 - 10,60)	4,27	**4,20** A+	1,99 (0,60 - 2,77)	995	9,00
16 + 42 + 42	1,08	2,86	2,86	6,80 (1,90 - 8,20)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	1,36	3,57	3,57	8,50 (3,30 - 10,50)	4,03	**4,20** A+	2,11 (0,64 - 2,86)	1055	9,50
16 + 42 + 50	1,01	2,64	3,15	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,33)	840	7,70	1,25	3,31	3,94	8,50 (3,20 - 10,60)	4,29	**4,20** A+	1,98 (0,60 - 2,76)	990	9,00
20 + 20 + 20	2,00	2,00	2,00	6,00 (1,90 - 8,00)	4,05	**8,00** A+++	1,48 (0,27 - 2,41)	740	6,80	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,91	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 20 + 25	2,00	2,00	2,50	6,50 (1,90 - 8,00)	3,76	**8,00** A+++	1,73 (0,27 - 2,41)	865	7,90	2,62	2,62	3,26	8,50 (3,30 - 10,40)	3,92	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 20 + 35	1,81	1,81	3,18	6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,32)	930	8,40	2,27	2,27	3,96	8,50 (3,30 - 10,40)	3,95	**4,20** A+	2,15 (0,62 - 2,85)	1075	9,70
20 + 20 + 42	1,66	1,66	3,48	6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	2,07	2,07	4,36	8,50 (3,30 - 10,50)	3,97	**4,20** A+	2,14 (0,62 - 2,89)	1070	9,70
20 + 20 + 50	1,51	1,51	3,78	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,89	1,89	4,72	8,50 (3,20 - 10,60)	4,25	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 20 + 60	1,36	1,36	4,08	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,70	1,70	5,10	8,50 (3,20 - 10,60)	4,25	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 25 + 25	1,94	2,43	2,43	6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,41)	930	8,40	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,92	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80
20 + 25 + 35	1,69	2,13	2,98	6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,32)	930	8,40	2,12	2,66	3,72	8,50 (3,30 - 10,40)	3,95	**4,20** A+	2,15 (0,62 - 2,85)	1075	9,70
20 + 25 + 42	1,56	1,95	3,29	6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	1,95	2,44	4,11	8,50 (3,30 - 10,50)	3,97	**4,20** A+	2,14 (0,62 - 2,89)	1070	9,70
20 + 25 + 50	1,43	1,79	3,58	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,79	2,24	4,47	8,50 (3,20 - 10,60)	4,25	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 25 + 60	1,29	1,62	3,89	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,62	2,02	4,86	8,50 (3,20 - 10,60)	4,25	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
20 + 35 + 35	1,52	2,64	2,64	6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,33)	910	8,20	1,88	3,31	3,31	8,50 (3,30 - 10,50)	4,01	**4,20** A+	2,12 (0,64 - 2,87)	1060	9,60
20 + 35 + 42	1,40	2,45	2,95	6,80 (1,90 - 8,20)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	1,75	3,07	3,68	8,50 (3,30 - 10,50)	4,03	**4,20** A+	2,11 (0,64 - 2,86)	1055	9,50
20 + 35 + 50	1,29	2,27	3,24	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,33)	840	7,70	1,62	2,83	4,05	8,50 (3,20 - 10,60)	4,29	**4,20** A+	1,98 (0,60 - 2,76)	990	9,00
20 + 42 + 42	1,30	2,75	2,75	6,80 (1,90 - 8,20)	3,84	**8,00** A+++	1,77 (0,29 - 2,37)	885	8,00	1,64	3,43	3,43	8,50 (3,30 - 10,50)	4,05	**4,20** A+	2,10 (0,63 - 2,86)	1050	9,50
20 + 42 + 50	1,21	2,55	3,04	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,33)	840	7,70	1,52	3,19	3,79	8,50 (3,20 - 10,60)	4,31	**4,20** A+	1,97 (0,62 - 2,75)	985	8,90
25 + 25 + 25	2,26	2,26	2,26	6,78 (1,90 - 8,00)	3,65	**8,00** A+++	1,86 (0,27 - 2,41)	930	8,40	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,91	**4,20** A+	2,17 (0,63 - 2,92)	1085	9,80

Free Multi 3x1 CU-3Z68TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 11,20kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	Total (Min - Max)	W/W		kW	kWh	230V
25+25+35	2,00	2,00	2,80	6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,32)	930	8,40	2,50	2,50	3,50	8,50 (3,30 - 10,40)	3,95	**4,20** A+	2,15 (0,62 - 2,85)	1075	9,70
25+25+42	1,85	1,85	3,10	6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	2,31	2,31	3,88	8,50 (3,30 - 10,50)	3,97	**4,20** A+	2,14 (0,62 - 2,89)	1070	9,70
25+25+50	1,70	1,70	3,40	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	2,13	2,13	4,24	8,50 (3,20 - 10,60)	4,25	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
25+25+60	1,55	1,55	3,70	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,93	1,93	4,64	8,50 (3,20 - 10,60)	4,25	**4,20** A+	2,00 (0,60 - 2,78)	1000	9,00
25+35+35	1,78	2,51	2,51	6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,33)	910	8,20	2,24	3,13	3,13	8,50 (3,30 - 10,50)	4,01	**4,20** A+	2,12 (0,64 - 2,87)	1060	9,60
25+35+42	1,67	2,33	2,80	6,80 (1,90 - 8,20)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	2,08	2,92	3,50	8,50 (3,30 - 10,50)	4,03	**4,20** A+	2,11 (0,64 - 2,86)	1055	9,50
25+35+50	1,55	2,16	3,09	6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,33)	840	7,70	1,93	2,70	3,87	8,50 (3,20 - 10,60)	4,29	**4,20** A+	1,98 (0,60 - 2,76)	990	9,00
25+42+42	1,56	2,62	2,62	6,80 (1,90 - 8,20)	3,84	**8,00** A+++	1,77 (0,29 - 2,37)	885	8,00	1,94	3,28	3,28	8,50 (3,30 - 10,50)	4,05	**4,20** A+	2,10 (0,63 - 2,86)	1050	9,50
35+35+35	2,26	2,26	2,26	6,78 (1,90 - 8,20)	3,83	**8,00** A+++	1,77 (0,29 - 2,33)	885	8,00	2,83	2,83	2,83	8,49 (3,30 - 10,50)	4,12	**4,20** A+	2,06 (0,63 - 2,85)	1030	9,30
35+35+42	2,13	2,13	2,54	6,80 (1,90 - 8,20)	3,84	**8,00** A+++	1,77 (0,29 - 2,33)	885	8,00	2,66	2,66	3,18	8,50 (3,30 - 10,50)	4,15	**4,20** A+	2,05 (0,63 - 2,80)	1025	9,30

1) Energy Label Scale from A+++ to D.

Free Multi 4x1 CU-4Z68TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 11,50kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																				
16	1,60				1,60 (1,30 - 2,30)	4,00		0,40 (0,25 - 0,64)	200	2,00	2,60				2,60 (1,20 - 3,20)	4,33		0,60 (0,30 - 0,96)	300	3,00
20	2,00				2,00 (1,80 - 2,90)	4,00		0,50 (0,34 - 0,81)	250	2,50	3,20				3,20 (1,20 - 4,10)	4,32		0,74 (0,30 - 1,23)	370	3,70
25	2,50				2,50 (1,80 - 2,90)	3,97		0,63 (0,34 - 0,81)	315	3,20	3,60				3,60 (1,20 - 4,30)	3,83		0,94 (0,30 - 1,23)	470	4,70
35	3,50				3,50 (1,80 - 3,80)	3,72		0,94 (0,34 - 1,36)	470	4,50	4,50				4,50 (1,20 - 5,80)	3,66		1,23 (0,30 - 2,10)	615	6,00
42	4,20				4,20 (1,80 - 4,30)	3,07		1,37 (0,34 - 1,99)	685	6,40	5,60				5,60 (1,20 - 6,80)	3,26		1,72 (0,30 - 2,93)	860	8,00
50	5,00				5,00 (1,90 - 5,70)	3,23		1,55 (0,34 - 2,13)	775	7,20	6,80				6,80 (1,20 - 6,90)	3,24		2,10 (0,30 - 2,52)	1050	9,70
60	6,00				6,00 (1,90 - 6,20)	2,96		2,03 (0,34 - 2,33)	1015	9,20	8,50				8,50 (1,30 - 9,00)	3,54		2,40 (0,62 - 2,55)	1200	11,10
2 Rooms																				
16+16	1,60	1,60			3,20 (1,90 - 6,40)	5,71	**6,10** A+++	0,56 (0,27 - 2,12)	280	2,80	2,60	2,60			5,20 (2,70 - 9,80)	4,00	**3,80** A	1,30 (0,66 - 3,01)	650	5,90
16+20	1,60	2,00			3,60 (1,90 - 6,40)	5,22	**6,10** A+++	0,69 (0,27 - 2,08)	345	3,40	2,58	3,22			5,80 (2,70 - 9,80)	3,92	**3,80** A	1,48 (0,65 - 3,02)	740	6,80
16+25	1,60	2,50			4,10 (1,90 - 6,40)	4,94	**6,10** A+++	0,83 (0,27 - 2,08)	415	3,90	2,42	3,78			6,20 (2,70 - 9,80)	3,85	**3,80** A	1,61 (0,65 - 3,02)	805	7,40
16+35	1,60	3,50			5,10 (1,90 - 6,90)	4,08	**6,10** A+++	1,25 (0,27 - 2,48)	625	5,70	2,23	4,87			7,10 (2,70 - 9,90)	3,74	**3,80** A	1,90 (0,63 - 3,02)	950	8,60
16+42	1,60	4,20			5,80 (1,90 - 6,90)	3,60	**6,10** A+++	1,61 (0,27 - 2,44)	805	7,40	2,26	5,94			8,20 (2,70 - 9,90)	3,52	**3,80** A	2,33 (0,63 - 3,02)	1165	10,50
16+50	1,60	5,00			6,60 (2,00 - 7,50)	3,63	**6,50** A+++	1,82 (0,28 - 2,52)	910	8,20	2,06	6,44			8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
16+60	1,43	5,37			6,80 (2,00 - 7,50)	3,49	**6,50** A+++	1,95 (0,28 - 2,52)	975	8,80	1,79	6,71			8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
20+20	2,00	2,00			4,00 (1,90 - 6,40)	5,00	**6,10** A+++	0,80 (0,27 - 2,04)	400	3,80	3,20	3,20			6,40 (2,70 - 9,80)	3,83	**3,80** A	1,67 (0,64 - 3,02)	835	7,60
20+25	2,00	2,50			4,50 (1,90 - 6,40)	4,59	**6,10** A+++	0,98 (0,27 - 2,04)	490	4,60	3,02	3,78			6,80 (2,70 - 9,80)	3,78	**3,80** A	1,80 (0,64 - 3,02)	900	8,10
20+35	2,00	3,50			5,50 (1,90 - 6,90)	3,85	**6,10** A+++	1,43 (0,27 - 2,44)	715	6,50	2,80	4,90			7,70 (2,70 - 9,90)	3,65	**3,80** A	2,11 (0,63 - 3,02)	1055	9,50
20+42	2,00	4,20			6,20 (1,90 - 6,90)	3,35	**6,10** A+++	1,85 (0,27 - 2,40)	925	8,40	2,74	5,76			8,50 (2,70 - 9,90)	3,48	**3,80** A	2,44 (0,62 - 3,03)	1220	11,00
20+50	1,94	4,86			6,80 (2,00 - 7,50)	3,49	**6,50** A+++	1,95 (0,28 - 2,48)	975	8,80	2,43	6,07			8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
20+60	1,70	5,10			6,80 (2,00 - 7,50)	3,49	**6,50** A+++	1,95 (0,28 - 2,48)	975	8,80	2,12	6,38			8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
25+25	2,50	2,50			5,00 (1,90 - 6,80)	4,13	**6,10** A+++	1,21 (0,27 - 2,43)	605	5,60	3,60	3,60			7,20 (2,70 - 9,80)	3,71	**3,80** A	1,94 (0,64 - 3,02)	970	8,80
25+35	2,50	3,50			6,00 (1,90 - 6,90)	3,47	**6,10** A+++	1,73 (0,27 - 2,44)	865	7,90	3,37	4,73			8,10 (2,70 - 9,90)	3,60	**3,80** A	2,25 (0,63 - 3,02)	1125	10,20
25+42	2,50	4,20			6,70 (1,90 - 6,90)	2,94	**6,10** A+++	2,28 (0,27 - 2,40)	1140	10,30	3,17	5,33			8,50 (2,70 - 9,90)	3,48	**3,80** A	2,44 (0,62 - 3,03)	1220	11,00
25+50	2,27	4,53			6,80 (1,90 - 7,50)	3,49	**6,50** A+++	1,95 (0,26 - 2,48)	975	8,80	2,83	5,67			8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
25+60	2,00	4,80			6,80 (1,90 - 7,50)	3,49	**6,50** A+++	1,95 (0,26 - 2,48)	975	8,80	2,50	6,00			8,50 (2,80 - 10,20)	3,76	**3,80** A	2,26 (0,56 - 2,99)	1130	10,20
35+35	3,40	3,40			6,80 (1,90 - 7,00)	2,97	**6,10** A+++	2,29 (0,27 - 2,40)	1145	10,40	4,25	4,25			8,50 (2,80 - 10,00)	3,56	**3,80** A	2,39 (0,64 - 3,02)	1195	10,80
35+42	3,09	3,71			6,80 (1,90 - 7,10)	3,04	**6,10** A+++	2,24 (0,27 - 2,50)	1120	10,10	3,86	4,64			8,50 (2,80 - 10,00)	3,56	**3,80** A	2,39 (0,60 - 3,02)	1195	10,80
35+50	2,80	4,00			6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,48)	935	8,50	3,50	5,00			8,50 (2,80 - 10,30)	3,86	**3,80** A	2,20 (0,54 - 2,97)	1100	10,00
35+60	2,51	4,29			6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,48)	935	8,50	3,13	5,37			8,50 (2,80 - 10,30)	3,86	**3,80** A	2,20 (0,54 - 2,97)	1100	10,00
42+42	3,40	3,40			6,80 (1,90 - 7,10)	3,02	**6,10** A+++	2,25 (0,26 - 2,45)	1125	10,20	4,25	4,25			8,50 (2,80 - 10,00)	3,57	**3,80** A	2,38 (0,60 - 2,98)	1190	10,80
42+50	3,10	3,70			6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,44)	935	8,50	3,88	4,62			8,50 (2,80 - 10,30)	3,88	**3,80** A	2,19 (0,54 - 2,96)	1095	9,90
42+60	2,80	4,00			6,80 (2,00 - 7,60)	3,64	**6,50** A+++	1,87 (0,28 - 2,44)	935	8,50	3,50	5,00			8,50 (2,80 - 10,30)	3,88	**3,80** A	2,19 (0,54 - 2,96)	1095	9,90
50+50	3,40	3,40			6,80 (2,10 - 8,10)	4,10	**6,50** A+++	1,66 (0,32 - 2,50)	830	7,60	4,25	4,25			8,50 (2,80 - 10,50)	4,15	**3,80** A	2,05 (0,51 - 2,87)	1025	9,30
50+60	3,09	3,71			6,80 (2,10 - 8,10)	4,10	**6,50** A+++	1,66 (0,32 - 2,50)	830	7,60	3,86	4,64			8,50 (2,80 - 10,50)	4,15	**3,80** A	2,05 (0,51 - 2,87)	1025	9,30
3 Rooms																				
16+16+16	1,60	1,60	1,60		4,80 (1,90 - 8,00)	4,85	**8,00** A+++	0,99 (0,27 - 2,50)	495	4,60	2,60	2,60	2,60		7,80 (3,30 - 10,40)	3,98	**4,00** A+	1,96 (0,64 - 2,95)	980	8,90
16+16+20	1,60	1,60	2,00		5,20 (1,90 - 8,00)	4,60	**8,00** A+++	1,13 (0,27 - 2,46)	565	5,20	2,58	2,58	3,24		8,40 (3,30 - 10,40)	3,84	**4,00** A+	2,19 (0,64 - 2,94)	1095	9,90
16+16+25	1,60	1,60	2,50		5,70 (1,90 - 8,00)	4,19	**8,00** A+++	1,36 (0,27 - 2,46)	680	6,20	2,39	2,39	3,72		8,50 (3,30 - 10,40)	3,81	**4,00** A+	2,23 (0,64 - 2,94)	1115	10,10
16+16+35	1,60	1,60	3,50		6,70 (1,90 - 8,00)	3,68	**8,00** A+++	1,82 (0,27 - 2,37)	910	8,20	2,03	2,03	4,44		8,50 (3,30 - 10,40)	3,94	**4,00** A+	2,16 (0,63 - 2,92)	1080	9,80
16+16+42	1,47	1,47	3,86		6,80 (1,90 - 8,10)	3,66	**8,00** A+++	1,86 (0,27 - 2,46)	930	8,40	1,84	1,84	4,82		8,50 (3,30 - 10,50)	3,95	**4,00** A+	2,15 (0,62 - 2,95)	1075	9,70
16+16+50	1,33	1,33	4,14		6,80 (2,00 - 8,50)	3,93	**8,00** A+++	1,73 (0,32 - 2,42)	865	7,90	1,66	1,66	5,18		8,50 (3,20 - 10,60)	4,21	**4,00** A+	2,02 (0,60 - 2,80)	1010	9,10
16+16+60	1,18	1,18	4,44		6,80 (2,00 - 8,50)	3,93	**8,00** A+++	1,73 (0,32 - 2,42)	865	7,90	1,48	1,48	5,54		8,50 (3,20 - 10,60)	4,21	**4,00** A+	2,02 (0,60 - 2,80)	1010	9,10
16+20+20	1,60	2,00	2,00		5,60 (1,90 - 8,00)	4,38	**8,00** A+++	1,28 (0,27 - 2,46)	640	5,80	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,83	**4,00** A+	2,22 (0,63 - 2,93)	1110	10,00
16+20+25	1,60	2,00	2,50		6,10 (1,90 - 8,00)	4,01	**8,00** A+++	1,52 (0,27 - 2,46)	760	6,90	2,23	2,79	3,48		8,50 (3,30 - 10,40)	3,83	**4,00** A+	2,22 (0,63 - 2,93)	1110	10,00
16+20+35	1,53	1,92	3,35		6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,37)	930	8,40	1,92	2,39	4,19		8,50 (3,30 - 10,40)	3,95	**4,00** A+	2,15 (0,62 - 2,86)	1075	9,70
16+20+42	1,39	1,74	3,67		6,80 (1,90 - 8,10)	3,66	**8,00** A+++	1,86 (0,27 - 2,42)	930	8,40	1,74	2,18	4,58		8,50 (3,30 - 10,50)	3,95	**4,00** A+	2,15 (0,62 - 2,90)	1075	9,70
16+20+50	1,27	1,58	3,95		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,58	1,98	4,94		8,50 (3,20 - 10,60)	4,23	**4,00** A+	2,01 (0,60 - 2,79)	1005	9,10
16+20+60	1,13	1,42	4,25		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,42	1,77	5,31		8,50 (3,20 - 10,60)	4,23	**4,00** A+	2,01 (0,60 - 2,79)	1005	9,10
16+25+25	1,60	2,50	2,50		6,60 (1,90 - 8,00)	3,73	**8,00** A+++	1,77 (0,27 - 2,46)	885	8,00	2,06	3,22	3,22		8,50 (3,30 - 10,40)	3,83	**4,00** A+	2,22 (0,63 - 2,93)	1110	10,00
16+25+35	1,43	2,24	3,13		6,80 (1,90 - 8,00)	3,66	**8,00** A+++	1,86 (0,27 - 2,37)	930	8,40	1,79	2,80	3,91		8,50 (3,30 - 10,40)	3,95	**4,00** A+	2,15 (0,62 - 2,86)	1075	9,70
16+25+42	1,31	2,05	3,44		6,80 (1,90 - 8,10)	3,66	**8,00** A+++	1,86 (0,27 - 2,42)	930	8,40	1,64	2,56	4,30		8,50 (3,30 - 10,50)	3,95	**4,00** A+	2,15 (0,62 - 2,90)	1075	9,70
16+25+50	1,19	1,87	3,74		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,49	2,34	4,67		8,50 (3,20 - 10,60)	4,23	**4,00** A+	2,01 (0,60 - 2,79)	1005	9,10
16+25+60	1,08	1,68	4,04		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,32 - 2,42)	840	7,70	1,35	2,10	5,05		8,50 (3,20 - 10,60)	4,23	**4,00** A+	2,01 (0,60 - 2,79)	1005	9,10
16+35+35	1,26	2,77	2,77		6,80 (1,90 - 8,10)	3,74	**8,00** A+++	1,82 (0,29 - 2,37)	910	8,20	1,58	3,46	3,46		8,50 (3,30 - 10,50)	3,99	**4,00** A+	2,13 (0,64 - 2,88)	1065	9,60
16+35+42	1,17	2,56	3,07		6,80 (1,90 - 8,20)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	1,46	3,20	3,84		8,50 (3,30 - 10,50)	4,01	**4,00** A+	2,12 (0,64 - 2,87)	1060	9,60
16+35+50	1,07	2,36	3,37		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,34	2,95	4,21		8,50 (3,20 - 10,60)	4,27	**4,00** A+	1,99 (0,60 - 2,77)	995	9,00
16+35+60	0,98	2,14	3,68		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,38)	840	7,70	1,23	2,68	4,59		8,50 (3,20 - 10,60)	4,27	**4,00** A+	1,99 (0,60 - 2,77)	995	9,00
16+42+42	1,08	2,86	2,86		6,80 (1,90 - 8,20)	3,74	**8,00** A+++	1,82 (0,29 - 2,42)	910	8,20	1,36	3,57	3,57		8,50 (3,30 - 10,50)	4,03	**4,00** A+	2,11 (0,64 - 2,86)	1055	9,50
16+42+50	1,01	2,64	3,15		6,80 (2,00 - 8,50)	4,05	**8,00** A+++	1,68 (0,34 - 2,33)	840	7,70	1,25	3,31	3,94		8,50 (3,20 - 10,60)	4,29	**4,00** A+	1,98 (0,60 - 2,76)	990	9,00

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 4x1 CU-4Z68TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 11,50kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V
20+20+20	2,00	2,00	2,00		6,00 (1,90 - 8,00)	4,05	8,00 A++	1,48 (0,27 - 2,41)	740	6,80	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,91	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
20+20+25	2,00	2,00	2,50		6,50 (1,90 - 8,00)	3,76	8,00 A++	1,73 (0,27 - 2,41)	865	7,90	2,62	2,62	3,26		8,50 (3,30 - 10,40)	3,92	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
20+20+35	1,81	1,81	3,18		6,80 (1,90 - 8,00)	3,66	8,00 A++	1,86 (0,27 - 2,32)	930	8,40	2,27	2,27	3,96		8,50 (3,30 - 10,40)	3,95	4,00 A+	2,15 (0,62 - 2,85)	1075	9,70
20+20+42	1,66	1,66	3,48		6,80 (1,90 - 8,10)	3,74	8,00 A++	1,82 (0,29 - 2,42)	910	8,20	2,07	2,07	4,36		8,50 (3,30 - 10,50)	3,97	4,00 A+	2,14 (0,62 - 2,89)	1070	9,70
20+20+50	1,51	1,51	3,78		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,38)	840	7,70	1,89	1,89	4,72		8,50 (3,20 - 10,60)	4,25	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20+20+60	1,36	1,36	4,08		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,38)	840	7,70	1,70	1,70	5,10		8,50 (3,20 - 10,60)	4,25	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20+25+25	1,94	2,43	2,43		6,80 (1,90 - 8,00)	3,66	8,00 A++	1,86 (0,27 - 2,41)	930	8,40	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,92	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
20+25+35	1,69	2,13	2,98		6,80 (1,90 - 8,00)	3,66	8,00 A++	1,86 (0,27 - 2,32)	930	8,40	2,12	2,66	3,72		8,50 (3,30 - 10,40)	3,95	4,00 A+	2,15 (0,62 - 2,85)	1075	9,70
20+25+42	1,56	1,95	3,29		6,80 (1,90 - 8,10)	3,74	8,00 A++	1,82 (0,29 - 2,42)	910	8,20	1,95	2,44	4,11		8,50 (3,30 - 10,50)	3,97	4,00 A+	2,14 (0,62 - 2,89)	1070	9,70
20+25+50	1,43	1,79	3,58		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,38)	840	7,70	1,79	2,24	4,47		8,50 (3,20 - 10,60)	4,25	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20+25+60	1,29	1,62	3,89		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,38)	840	7,70	1,62	2,02	4,86		8,50 (3,20 - 10,60)	4,25	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
20+35+35	1,52	2,64	2,64		6,80 (1,90 - 8,10)	3,74	8,00 A++	1,82 (0,29 - 2,33)	910	8,20	1,88	3,31	3,31		8,50 (3,30 - 10,50)	4,01	4,00 A+	2,12 (0,64 - 2,87)	1060	9,60
20+35+42	1,40	2,45	2,95		6,80 (1,90 - 8,20)	3,74	8,00 A++	1,82 (0,29 - 2,42)	910	8,20	1,75	3,07	3,68		8,50 (3,30 - 10,50)	4,03	4,00 A+	2,11 (0,64 - 2,86)	1055	9,50
20+35+50	1,29	2,27	3,24		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,33)	840	7,70	1,62	2,83	4,05		8,50 (3,20 - 10,60)	4,29	4,00 A+	1,98 (0,60 - 2,76)	990	9,00
20+35+60	1,18	2,07	3,55		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,33)	840	7,70	1,48	2,59	4,43		8,50 (3,20 - 10,60)	4,29	4,00 A+	1,98 (0,60 - 2,76)	990	9,00
20+42+42	1,30	2,75	2,75		6,80 (1,90 - 8,20)	3,84	8,00 A++	1,77 (0,29 - 2,37)	885	8,00	1,64	3,43	3,43		8,50 (3,30 - 10,50)	4,05	4,00 A+	2,10 (0,63 - 2,86)	1050	9,50
20+42+50	1,21	2,55	3,04		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,33)	840	7,70	1,52	3,19	3,79		8,50 (3,20 - 10,60)	4,31	4,00 A+	1,97 (0,62 - 2,75)	985	8,90
25+25+25	2,26	2,26	2,26		6,78 (1,90 - 8,00)	3,65	8,00 A++	1,86 (0,27 - 2,41)	930	8,40	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,91	4,00 A+	2,17 (0,63 - 2,92)	1085	9,80
25+25+35	2,00	2,00	2,80		6,80 (1,90 - 8,00)	3,66	8,00 A++	1,86 (0,27 - 2,32)	930	8,40	2,50	2,50	3,50		8,50 (3,30 - 10,40)	3,95	4,00 A+	2,15 (0,62 - 2,85)	1075	9,70
25+25+42	1,85	1,85	3,10		6,80 (1,90 - 8,10)	3,74	8,00 A++	1,82 (0,29 - 2,42)	910	8,20	2,31	2,31	3,88		8,50 (3,30 - 10,50)	3,97	4,00 A+	2,14 (0,62 - 2,89)	1070	9,70
25+25+50	1,70	1,70	3,40		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,38)	840	7,70	2,13	2,13	4,24		8,50 (3,20 - 10,60)	4,25	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
25+25+60	1,55	1,55	3,70		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,38)	840	7,70	1,93	1,93	4,64		8,50 (3,20 - 10,60)	4,25	4,00 A+	2,00 (0,60 - 2,78)	1000	9,00
25+35+35	1,78	2,51	2,51		6,80 (1,90 - 8,10)	3,74	8,00 A++	1,82 (0,29 - 2,33)	910	8,20	2,24	3,13	3,13		8,50 (3,30 - 10,50)	4,01	4,00 A+	2,12 (0,64 - 2,87)	1060	9,60
25+35+42	1,67	2,33	2,80		6,80 (1,90 - 8,20)	3,74	8,00 A++	1,82 (0,29 - 2,42)	910	8,20	2,08	2,92	3,50		8,50 (3,30 - 10,50)	4,03	4,00 A+	2,11 (0,64 - 2,86)	1055	9,50
25+35+50	1,55	2,16	3,09		6,80 (2,00 - 8,50)	4,05	8,00 A++	1,68 (0,34 - 2,33)	840	7,70	1,93	2,70	3,87		8,50 (3,20 - 10,60)	4,29	4,00 A+	1,98 (0,60 - 2,76)	990	9,00
25+42+42	1,56	2,62	2,62		6,80 (1,90 - 8,20)	3,84	8,00 A++	1,77 (0,29 - 2,37)	885	8,00	1,94	3,28	3,28		8,50 (3,30 - 10,50)	4,05	4,00 A+	2,10 (0,63 - 2,86)	1050	9,50
35+35+35	2,26	2,26	2,26		6,78 (1,90 - 8,20)	3,83	8,00 A++	1,77 (0,29 - 2,33)	885	8,00	2,83	2,83	2,83		8,49 (3,30 - 10,50)	4,12	4,00 A+	2,06 (0,63 - 2,85)	1030	9,30
35+35+42	2,13	2,13	2,54		6,80 (1,90 - 8,20)	3,84	8,00 A++	1,77 (0,29 - 2,33)	885	8,00	2,66	2,66	3,18		8,50 (3,30 - 10,50)	4,15	4,00 A+	2,05 (0,63 - 2,80)	1025	9,30
4 Rooms																				
16+16+16+16	1,65	1,65	1,65	1,65	6,60 (1,90 - 8,70)	4,49	8,50 A+++	1,47 (0,34 - 2,38)	735	6,70	2,12	2,12	2,12	2,12	8,48 (3,00 - 10,60)	4,44	4,20 A+	1,91 (0,58 - 2,69)	955	8,60
16+16+16+20	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,47)	775	7,00	2,00	2,00	2,00	2,50	8,50 (3,00 - 10,60)	4,47	4,20 A+	1,90 (0,58 - 2,68)	950	8,60
16+16+16+25	1,49	1,49	1,49	2,33	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,47)	775	7,00	1,86	1,86	1,86	2,92	8,50 (3,00 - 10,60)	4,47	4,20 A+	1,90 (0,58 - 2,68)	950	8,60
16+16+16+35	1,31	1,31	1,31	2,87	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,38)	775	7,00	1,64	1,64	1,64	3,58	8,50 (3,00 - 10,60)	4,52	4,20 A+	1,88 (0,58 - 2,66)	940	8,50
16+16+16+42	1,21	1,21	1,21	3,17	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,34 - 2,38)	755	6,80	1,51	1,51	1,51	3,97	8,50 (3,00 - 10,60)	4,55	4,20 A+	1,87 (0,58 - 2,65)	935	8,50
16+16+16+50	1,11	1,11	1,11	3,47	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,40 - 2,24)	755	6,80	1,39	1,39	1,39	4,33	8,50 (3,00 - 10,60)	4,64	4,20 A+	1,83 (0,65 - 2,55)	915	8,30
16+16+16+60	1,01	1,01	1,01	3,77	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,40 - 2,24)	755	6,80	1,26	1,26	1,26	4,72	8,50 (3,00 - 10,60)	4,64	4,20 A+	1,83 (0,65 - 2,55)	915	8,30
16+16+20+20	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	4,50	4,20 A+	1,89 (0,60 - 2,67)	945	8,50
16+16+20+25	1,41	1,41	1,77	2,21	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,77	1,77	2,20	2,76	8,50 (3,10 - 10,60)	4,50	4,20 A+	1,89 (0,60 - 2,67)	945	8,50
16+16+20+35	1,25	1,25	1,56	2,74	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,34 - 2,38)	755	6,80	1,56	1,56	1,95	3,43	8,50 (3,00 - 10,60)	4,55	4,20 A+	1,87 (0,58 - 2,65)	935	8,50
16+16+20+42	1,16	1,16	1,44	3,04	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,45	1,45	1,80	3,80	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16+16+20+50	1,07	1,07	1,33	3,33	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,40 - 2,20)	755	6,80	1,33	1,33	1,67	4,17	8,50 (3,00 - 10,60)	4,64	4,20 A+	1,83 (0,66 - 2,54)	915	8,30
16+16+20+60	0,97	0,97	1,21	3,65	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,40 - 2,20)	755	6,80	1,21	1,21	1,52	4,56	8,50 (3,00 - 10,60)	4,64	4,20 A+	1,83 (0,66 - 2,54)	915	8,30
16+16+25+25	1,33	1,33	2,07	2,07	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,66	1,66	2,59	2,59	8,50 (3,10 - 10,60)	4,50	4,20 A+	1,89 (0,60 - 2,67)	945	8,50
16+16+25+35	1,18	1,18	1,85	2,59	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,34 - 2,38)	755	6,80	1,48	1,48	2,31	3,23	8,50 (3,00 - 10,60)	4,55	4,20 A+	1,87 (0,58 - 2,65)	935	8,50
16+16+25+42	1,10	1,10	1,72	2,88	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,37	1,37	2,15	3,61	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16+16+25+50	1,02	1,02	1,58	3,18	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,40 - 2,20)	755	6,80	1,27	1,27	1,99	3,97	8,50 (3,00 - 10,60)	4,64	4,20 A+	1,83 (0,66 - 2,54)	915	8,30
16+16+35+35	1,07	1,07	2,33	2,33	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,33	1,33	2,92	2,92	8,50 (3,00 - 10,60)	4,59	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
16+16+35+42	1,00	1,00	2,18	2,62	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,25	1,25	2,72	3,28	8,50 (3,00 - 10,60)	4,62	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
16+20+20+20	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16+20+20+25	1,34	1,68	1,68	2,10	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,68	2,10	2,10	2,62	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16+20+20+35	1,20	1,49	1,49	2,62	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,49	1,87	1,87	3,27	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16+20+20+42	1,11	1,39	1,39	2,91	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,39	1,73	1,73	3,65	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
16+20+20+50	1,03	1,28	1,28	3,21	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,42 - 2,20)	755	6,80	1,28	1,60	1,60	4,02	8,50 (3,00 - 10,60)	4,67	4,20 A+	1,82 (0,68 - 2,53)	910	8,20
16+20+25+25	1,26	1,58	1,98	1,98	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,58	1,98	2,47	2,47	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16+20+25+35	1,13	1,42	1,77	2,48	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,42	1,77	2,21	3,10	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16+20+25+42	1,06	1,32	1,65	2,77	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,32	1,65	2,06	3,47	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
16+20+25+50	0,98	1,23	1,53	3,06	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,42 - 2,20)	755	6,80	1,23	1,53	1,91	3,83	8,50 (3,00 - 10,60)	4,67	4,20 A+	1,82 (0,68 - 2,53)	910	8,20
16+20+35+35	1,02	1,28	2,25	2,25	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,28	1,60	2,81	2,81	8,50 (3,00 - 10,60)	4,62	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
16+20+35+42	0,96	1,20	2,11	2,53	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,20	1,50	2,63	3,17	8,50 (3,00 - 10,60)	4,62	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
16+25+25+25	1,19	1,87	1,87	1,87	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,43)	775	7,00	1,48	2,34	2,34	2,34	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,67)	940	8,50
16+25+25+35	1,08	1,68	1,68	2,36	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,35	2,10	2,10	2,95	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,60 - 2,64)	930	8,40
16+25+25+42	1,01	1,57	1,57	2,65	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,38)	755	6,80	1,25	1,97	1,97	3,31	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
16+25+35+35	0,98	1,54	2,14	2,14	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,23	1,91	2,68	2,68	8,50 (3,00 - 10,60)	4,62	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
20+20+20+20	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,38)	775	7,00	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	4,51	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20+20+20+25	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,38)	775	7,00	2,00	2,00	2,00	2,50	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20+20+20+35	1,43	1,43	1,43	2,51	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,79	1,79	1,79	3,13	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
20+20+20+42	1,33	1,33	1,33	2,81	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,67	1,67	1,67	3,49	8,50 (3,00 - 10,60)	4,59	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
20+20+20+50	1,24	1,24	1,24	3,08	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,42 - 2,20)	755	6,80	1,55	1,55	1,55	3,85	8,50 (3,00 - 10,60)	4,70	4,20 A+	1,81 (0,68 - 2,52)	905	8,20
20+20+25+25	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,38)	775	7,00	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20+20+25+35	1,36	1,36	1,70	2,38	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,70	1,70	2,12	2,98	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
20+20+25+42	1,27	1,27	1,59	2,67	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,59	1,59	1,98	3,34	8,50 (3,00 - 10,60)	4,59	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
20+20+25+50	1,18	1,18	1,48	2,96	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,42 - 2,20)	755	6,80	1,48	1,48	1,84	3,70	8,50 (3,00 - 10,60)	4,70	4,20 A+	1,81 (0,68 - 2,52)	905	8,20
20+20+35+35	1,24	1,24	2,16	2,16	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,55	1,55	2,70	2,70	8,50 (3,00 - 10,60)	4,62	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
20+25+25+25	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,38)	775	7,00	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	4,52	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
20+25+25+35	1,29	1,62	1,62	2,27	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,62	2,02	2,02	2,84	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40
20+25+25+42	1,21	1,52	1,52	2,55	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,51	1,90	1,90	3,19	8,50 (3,00 - 10,60)	4,59	4,20 A+	1,85 (0,61 - 2,62)	925	8,40
20+25+35+35	1,18	1,48	2,07	2,07	6,80 (1,90 - 8,80)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,47	1,85	2,59	2,59	8,50 (3,00 - 10,60)	4,62	4,60 A++	1,84 (0,61 - 2,61)	920	8,30
25+25+25+25	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	4,39	8,00 A++	1,55 (0,34 - 2,38)	775	7,00	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	4,51	4,20 A+	1,88 (0,60 - 2,66)	940	8,50
25+25+25+35	1,55	1,55	1,55	2,15	6,80 (1,90 - 8,8 0)	4,50	8,00 A++	1,51 (0,37 - 2,33)	755	6,80	1,93	1,93	1,93	2,71	8,50 (3,00 - 10,60)	4,57	4,20 A+	1,86 (0,61 - 2,63)	930	8,40

1) Energy Label Scale from A+++ to D.

Free Multi 4x1 CU-4Z80TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 14,70kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																				
16	1,60				1,60 (1,30 - 2,30)	4,00		0,40 (0,25 - 0,64)	200	2,00	2,60				2,60 (1,20 - 3,20)	4,33		0,60 (0,30 - 0,96)	300	3,00
20	2,00				2,00 (1,80 - 2,90)	4,00		0,50 (0,34 - 0,81)	250	2,50	3,20				3,20 (1,20 - 4,10)	4,32		0,74 (0,30 - 1,23)	370	3,70
25	2,50				2,50 (1,80 - 2,90)	3,97		0,63 (0,34 - 0,81)	315	3,20	3,60				3,60 (1,20 - 4,30)	3,83		0,94 (0,30 - 1,23)	470	4,70
35	3,50				3,50 (1,80 - 4,10)	3,72		0,94 (0,34 - 1,36)	470	4,50	4,50				4,50 (1,20 - 5,80)	3,66		1,23 (0,30 - 2,10)	615	6,00
42	4,20				4,20 (1,80 - 4,50)	3,07		1,37 (0,34 - 1,99)	685	6,40	5,60				5,60 (1,20 - 6,80)	3,26		1,72 (0,30 - 2,93)	860	8,00
50	5,00				5,00 (1,90 - 5,70)	3,23		1,55 (0,34 - 2,13)	775	7,20	6,80				6,80 (1,20 - 6,90)	3,24		2,10 (0,30 - 2,52)	1050	9,70
60	6,00				6,00 (1,90 - 6,20)	2,96		2,03 (0,34 - 2,33)	1015	9,20	8,50				8,50 (1,30 - 9,00)	3,54		2,40 (0,62 - 2,55)	1200	11,10
71	7,10				7,10 (2,00 - 7,20)	2,81		2,53 (0,37 - 2,77)	1265	11,40	8,70				8,70 (1,40 - 9,20)	3,41		2,55 (0,68 - 2,72)	1275	11,80
2 Rooms																				
16 + 16	1,60	1,60			3,20 (2,40 - 5,80)	4,38	**5,60** A+	0,73 (0,38 - 1,99)	365	3,70	2,60	2,60			5,20 (2,20 - 8,20)	3,33	**3,90** A	1,56 (0,43 - 2,84)	780	7,40
16 + 20	1,60	2,00			3,60 (2,40 - 5,80)	4,14	**5,60** A+	0,87 (0,38 - 1,99)	435	4,30	2,58	3,22			5,80 (2,20 - 8,20)	3,45	**3,90** A	1,68 (0,43 - 2,83)	840	8,00
16 + 25	1,60	2,50			4,10 (2,40 - 5,80)	3,83	**5,60** A+	1,07 (0,38 - 1,99)	535	5,20	2,42	3,78			6,20 (2,20 - 8,20)	3,41	**3,90** A	1,82 (0,43 - 2,83)	910	8,60
16 + 35	1,60	3,50			5,10 (2,40 - 5,80)	3,45	**5,60** A+	1,48 (0,37 - 1,92)	740	7,20	2,23	4,87			7,10 (2,20 - 8,60)	3,57	**3,90** A	1,99 (0,38 - 2,91)	995	9,40
16 + 42	1,60	4,20			5,80 (2,40 - 6,70)	3,19	**5,60** A+	1,82 (0,37 - 2,48)	910	8,70	2,26	5,94			8,20 (2,20 - 9,80)	3,46	**3,90** A	2,37 (0,37 - 3,44)	1185	11,10
16 + 50	1,60	5,00			6,60 (2,40 - 7,20)	3,20	**6,10** A++	2,06 (0,35 - 2,48)	1030	9,90	2,28	7,12			9,40 (2,20 - 10,00)	3,82	**4,10** A+	2,46 (0,33 - 3,25)	1230	11,60
16 + 60	1,60	6,00			7,60 (2,40 - 8,50)	2,83	**6,10** A++	2,69 (0,35 - 3,49)	1345	12,90	1,98	7,42			9,40 (2,20 - 10,00)	3,82	**4,10** A+	2,46 (0,33 - 3,25)	1230	11,60
16 + 71	1,47	6,53			8,00 (2,50 - 8,50)	2,82	**6,10** A++	2,84 (0,38 - 3,34)	1420	13,60	1,73	7,67			9,40 (2,20 - 10,30)	3,92	**4,10** A+	2,40 (0,32 - 3,42)	1200	11,30
20 + 20	2,00	2,00			4,00 (2,40 - 5,80)	3,96	**5,60** A+	1,01 (0,38 - 1,93)	505	5,00	3,20	3,20			6,40 (2,20 - 8,20)	3,44	**3,90** A	1,86 (0,39 - 2,82)	930	8,70
20 + 25	2,00	2,50			4,50 (2,40 - 5,80)	3,63	**5,60** A+	1,24 (0,38 - 1,93)	620	6,00	3,02	3,78			6,80 (2,20 - 8,20)	3,54	**3,90** A	1,92 (0,39 - 2,82)	960	9,00
20 + 35	2,00	3,50			5,50 (2,40 - 5,80)	3,33	**5,60** A+	1,65 (0,37 - 1,86)	825	8,00	2,80	4,90			7,70 (2,20 - 8,60)	3,55	**3,90** A	2,17 (0,37 - 2,85)	1085	10,20
20 + 42	2,00	4,20			6,20 (2,40 - 7,20)	3,00	**5,60** A+	2,07 (0,37 - 2,90)	1035	9,90	2,84	5,96			8,80 (2,20 - 10,00)	3,64	**3,90** A	2,42 (0,37 - 3,55)	1210	11,40
20 + 50	2,00	5,00			7,00 (2,40 - 8,10)	3,17	**6,10** A++	2,21 (0,35 - 3,10)	1105	10,60	2,69	6,71			9,40 (2,20 - 10,00)	3,84	**4,10** A+	2,45 (0,32 - 3,23)	1225	11,50
20 + 60	2,00	6,00			8,00 (2,40 - 8,50)	2,75	**6,10** A++	2,91 (0,35 - 3,49)	1455	13,90	2,35	7,05			9,40 (2,20 - 10,00)	3,84	**4,10** A+	2,45 (0,32 - 3,23)	1225	11,50
20 + 71	1,76	6,24			8,00 (2,50 - 8,50)	2,89	**6,10** A++	2,77 (0,38 - 3,34)	1385	13,30	2,07	7,33			9,40 (2,20 - 10,30)	3,93	**4,10** A+	2,39 (0,32 - 3,40)	1195	11,20
25 + 25	2,50	2,50			5,00 (2,40 - 5,80)	3,50	**5,60** A+	1,43 (0,38 - 1,93)	715	6,90	3,60	3,60			7,20 (2,20 - 8,60)	3,51	**3,90** A	2,05 (0,39 - 2,93)	1025	9,60
25 + 35	2,50	3,50			6,00 (2,40 - 6,70)	3,09	**5,60** A+	1,94 (0,37 - 2,48)	970	9,30	3,37	4,73			8,10 (2,20 - 9,80)	3,49	**3,90** A	2,32 (0,37 - 3,44)	1160	10,90
25 + 42	2,50	4,20			6,70 (2,40 - 7,20)	2,78	**5,60** A+	2,41 (0,37 - 2,90)	1205	11,50	3,43	5,77			9,20 (2,20 - 10,00)	3,58	**3,90** A	2,57 (0,37 - 3,55)	1285	12,10
25 + 50	2,50	5,00			7,50 (2,40 - 8,50)	2,94	**6,10** A++	2,55 (0,35 - 3,49)	1275	12,20	3,13	6,27			9,40 (2,20 - 10,00)	3,84	**4,10** A+	2,45 (0,32 - 3,23)	1225	11,50
25 + 60	2,35	5,65			8,00 (2,50 - 8,50)	2,75	**6,10** A++	2,91 (0,39 - 3,49)	1455	13,90	2,76	6,64			9,40 (2,20 - 10,00)	3,84	**4,10** A+	2,45 (0,32 - 3,23)	1225	11,50
25 + 71	2,08	5,92			8,00 (2,50 - 8,50)	2,89	**6,10** A++	2,77 (0,38 - 3,34)	1385	13,30	2,45	6,95			9,40 (2,20 - 10,30)	3,93	**4,10** A+	2,39 (0,32 - 3,40)	1195	11,20
35 + 35	3,50	3,50			7,00 (2,40 - 8,10)	2,75	**5,60** A+	2,55 (0,37 - 3,63)	1275	12,20	4,50	4,50			9,00 (2,20 - 10,00)	3,67	**3,90** A	2,45 (0,36 - 3,47)	1225	11,50
35 + 42	3,50	4,20			7,70 (2,40 - 8,50)	2,53	**5,60** A+	3,04 (0,37 - 4,12)	1520	14,60	4,27	5,13			9,40 (2,20 - 10,00)	3,63	**3,90** A	2,59 (0,35 - 3,46)	1295	12,20
35 + 50	3,29	4,71			8,00 (2,50 - 8,50)	2,89	**6,10** A++	2,77 (0,38 - 3,34)	1385	13,30	3,87	5,53			9,40 (2,20 - 10,00)	3,95	**4,10** A+	2,38 (0,32 - 3,20)	1190	11,20
35 + 60	2,95	5,05			8,00 (2,50 - 8,50)	2,89	**6,10** A++	2,77 (0,38 - 3,34)	1385	13,30	3,46	5,94			9,40 (2,20 - 10,30)	3,95	**4,10** A+	2,38 (0,32 - 3,32)	1190	11,20
35 + 71	2,64	5,36			8,00 (2,50 - 8,60)	2,96	**6,10** A++	2,70 (0,38 - 3,34)	1350	12,90	3,10	6,30			9,40 (2,20 - 10,50)	3,98	**4,10** A+	2,36 (0,31 - 3,43)	1180	11,10
42 + 42	4,00	4,00			8,00 (2,50 - 8,50)	2,40	**5,60** A+	3,34 (0,40 - 4,04)	1670	16,00	4,70	4,70			9,40 (2,20 - 10,00)	3,64	**3,90** A	2,58 (0,35 - 3,45)	1290	12,10
42 + 50	3,65	4,35			8,00 (2,50 - 8,50)	2,89	**6,10** A++	2,77 (0,38 - 3,34)	1385	13,30	4,29	5,11			9,40 (2,20 - 10,30)	3,98	**4,10** A+	2,36 (0,32 - 3,31)	1180	11,10
42 + 60	3,29	4,71			8,00 (2,50 - 8,60)	2,89	**6,10** A++	2,77 (0,38 - 3,42)	1385	13,30	3,87	5,53			9,40 (2,20 - 10,30)	3,98	**4,10** A+	2,36 (0,32 - 3,31)	1180	11,10
42 + 71	2,97	5,03			8,00 (2,50 - 8,60)	2,96	**6,10** A++	2,70 (0,38 - 3,26)	1350	12,90	3,49	5,91			9,40 (2,20 - 10,50)	4,00	**4,10** A+	2,35 (0,31 - 3,42)	1175	11,00
50 + 50	4,00	4,00			8,00 (2,50 - 8,60)	3,31	**6,10** A++	2,42 (0,38 - 2,95)	1210	11,60	4,70	4,70			9,40 (2,20 - 10,30)	4,27	**4,10** A+	2,20 (0,31 - 3,09)	1100	10,30
50 + 60	3,64	4,36			8,00 (2,50 - 8,60)	3,31	**6,10** A++	2,42 (0,38 - 2,95)	1210	11,60	4,27	5,13			9,40 (2,20 - 10,50)	4,27	**4,10** A+	2,20 (0,31 - 3,15)	1100	10,30
50 + 71	3,31	4,69			8,00 (2,50 - 8,60)	3,40	**6,10** A++	2,35 (0,38 - 2,88)	1175	11,20	3,88	5,52			9,40 (2,20 - 10,50)	4,31	**4,10** A+	2,18 (0,31 - 3,13)	1090	10,20
60 + 60	4,00	4,00			8,00 (2,50 - 8,60)	3,31	**6,10** A++	2,42 (0,38 - 2,95)	1210	11,60	4,70	4,70			9,40 (2,20 - 10,50)	4,27	**4,10** A+	2,20 (0,31 - 3,15)	1100	10,30
60 + 71	3,66	4,34			8,00 (2,50 - 8,60)	3,40	**6,10** A++	2,35 (0,38 - 2,88)	1175	11,20	4,31	5,09			9,40 (2,20 - 10,50)	4,31	**4,10** A+	2,18 (0,31 - 3,13)	1090	10,20
71 + 71	4,00	4,00			8,00 (2,50 - 8,60)	3,51	**6,10** A++	2,28 (0,41 - 2,80)	1140	10,90	4,70	4,70			9,40 (2,20 - 10,50)	4,33	**4,10** A+	2,17 (0,32 - 3,12)	1085	10,20
3 Rooms																				
16 + 16 + 16	1,60	1,60	1,60		4,80 (3,00 - 8,50)	4,44	**7,40** A+++	1,08 (0,49 - 3,11)	540	5,30	2,60	2,60	2,60		7,80 (3,20 - 10,40)	4,15	**4,20** A+	1,88 (0,50 - 3,34)	940	8,80
16 + 16 + 20	1,60	1,60	2,00		5,20 (3,00 - 8,50)	4,41	**7,40** A+++	1,18 (0,49 - 3,11)	590	5,80	2,58	2,58	3,24		8,40 (3,20 - 10,40)	3,98	**4,20** A+	2,11 (0,50 - 3,26)	1055	9,90
16 + 16 + 25	1,60	1,60	2,50		5,70 (3,00 - 8,50)	4,10	**7,40** A+++	1,39 (0,49 - 3,11)	695	6,70	2,47	2,47	3,86		8,80 (3,20 - 10,40)	4,21	**4,20** A+	2,09 (0,50 - 3,26)	1045	9,80
16 + 16 + 35	1,60	1,60	3,50		6,70 (3,00 - 8,50)	3,92	**7,40** A+++	1,71 (0,48 - 3,03)	855	8,30	2,24	2,24	4,92		9,40 (3,20 - 10,40)	4,18	**4,30** A+	2,25 (0,49 - 3,23)	1125	10,60
16 + 16 + 42	1,60	1,60	4,20		7,40 (3,00 - 8,50)	3,57	**7,40** A+++	2,07 (0,48 - 2,95)	1035	9,90	2,03	2,03	5,34		9,40 (3,20 - 10,40)	4,20	**4,30** A+	2,24 (0,49 - 3,21)	1120	10,50
16 + 16 + 50	1,56	1,56	4,88		8,00 (3,00 - 8,60)	3,81	**7,40** A+++	2,10 (0,52 - 2,73)	1050	10,10	1,83	1,83	5,74		9,40 (3,20 - 10,40)	4,41	**4,40** A+	2,13 (0,48 - 3,00)	1065	10,00
16 + 16 + 60	1,39	1,39	5,22		8,00 (3,00 - 8,60)	3,81	**7,40** A+++	2,10 (0,52 - 2,73)	1050	10,10	1,63	1,63	6,14		9,40 (3,20 - 10,50)	4,41	**4,40** A+	2,13 (0,48 - 3,06)	1065	10,00
16 + 16 + 71	1,24	1,24	5,52		8,00 (3,00 - 8,80)	3,92	**7,40** A+++	2,04 (0,52 - 2,80)	1020	9,80	1,46	1,46	6,48		9,40 (3,20 - 10,50)	4,43	**4,40** A+	2,12 (0,51 - 3,04)	1060	10,00
16 + 20 + 20	1,60	2,00	2,00		5,60 (3,00 - 8,50)	4,18	**7,40** A+++	1,34 (0,49 - 3,03)	670	6,50	2,58	3,21	3,21		9,00 (3,20 - 10,40)	4,23	**4,20** A+	2,13 (0,49 - 3,25)	1065	10,00
16 + 20 + 25	1,60	2,00	2,50		6,10 (3,00 - 8,50)	3,94	**7,40** A+++	1,55 (0,49 - 3,03)	775	7,50	2,47	3,08	3,85		9,40 (3,20 - 10,40)	4,14	**4,30** A+	2,27 (0,49 - 3,25)	1135	10,70
16 + 20 + 35	1,60	2,00	3,50		7,10 (3,00 - 8,50)	3,78	**7,40** A+++	1,88 (0,48 - 2,95)	940	9,00	2,12	2,65	4,63		9,40 (3,20 - 10,40)	4,20	**4,30** A+	2,24 (0,49 - 3,21)	1120	10,50
16 + 20 + 42	1,60	2,00	4,20		7,80 (3,00 - 8,50)	3,59	**7,40** A+++	2,17 (0,48 - 2,95)	1085	10,40	1,93	2,41	5,06		9,40 (3,20 - 10,40)	4,22	**4,30** A+	2,23 (0,49 - 3,20)	1115	10,50
16 + 20 + 50	1,49	1,86	4,65		8,00 (3,00 - 8,60)	3,81	**7,40** A+++	2,10 (0,52 - 2,73)	1050	10,10	1,75	2,19	5,46		9,40 (3,20 - 10,50)	4,43	**4,40** A+	2,12 (0,51 - 3,05)	1060	10,00
16 + 20 + 60	1,33	1,67	5,00		8,00 (3,00 - 8,60)	3,81	**7,40** A+++	2,10 (0,52 - 2,73)	1050	10,10	1,57	1,96	5,87		9,40 (3,20 - 10,50)	4,43	**4,40** A+	2,12 (0,51 - 3,05)	1060	10,00
16 + 20 + 71	1,20	1,50	5,30		8,00 (3,00 - 8,80)	3,92	**7,40** A+++	2,04 (0,52 - 2,80)	1020	9,80	1,41	1,76	6,23		9,40 (3,20 - 10,50)	4,45	**4,40** A+	2,11 (0,51 - 3,03)	1055	9,90
16 + 25 + 25	1,60	2,50	2,50		6,60 (3,00 - 8,50)	3,69	**7,40** A+++	1,79 (0,49 - 3,03)	895	8,60	2,28	3,56	3,56		9,40 (3,20 - 10,40)	4,14	**4,30** A+	2,27 (0,49 - 3,25)	1135	10,70
16 + 25 + 35	1,60	2,50	3,50		7,60 (3,00 - 8,50)	3,47	**7,40** A+++	2,19 (0,48 - 2,95)	1095	10,50	1,98	3,09	4,33		9,40 (3,20 - 10,40)	4,20	**4,30** A+	2,24 (0,49 - 3,21)	1120	10,50
16 + 25 + 42	1,54	2,41	4,05		8,00 (3,00 - 8,60)	3,49	**7,40** A+++	2,29 (0,48 - 3,03)	1145	11,00	1,81	2,83	4,76		9,40 (3,20 - 10,40)	4,22	**4,40** A+	2,23 (0,49 - 3,20)	1115	10,50
16 + 25 + 50	1,41	2,20	4,39		8,00 (3,00 - 8,60)	3,81	**7,40** A+++	2,10 (0,52 - 2,73)	1050	10,10	1,65	2,58	5,17		9,40 (3,20 - 10,50)	4,43	**4,40** A+	2,12 (0,51 - 3,05)	1060	10,00
16 + 25 + 60	1,27	1,98	4,75		8,00 (3,00 - 8,80)	3,81	**7,40** A+++	2,10 (0,52 - 2,80)	1050	10,10	1,49	2,33	5,58		9,40 (3,20 - 10,50)	4,43	**4,40** A+	2,12 (0,51 - 3,05)	1060	10,00
16 + 25 + 71	1,14	1,79	5,07		8,00 (3,00 - 8,80)	3,92	**7,40** A+++	2,04 (0,52 - 2,80)	1020	9,80	1,34	2,10	5,96		9,40 (3,20 - 10,60)	4,45	**4,40** A+	2,11 (0,51 - 3,09)	1055	9,90
16 + 35 + 35	1,48	3,26	3,26		8,00 (3,00 - 8,60)	3,59	**7,40** A+++	2,23 (0,48 - 2,95)	1115	10,70	1,74	3,83	3,83		9,40 (3,20 - 10,50)	4,25	**4,40** A+	2,21 (0,48 - 3,24)	1105	10,40
16 + 35 + 42	1,38	3,01	3,61		8,00 (3,00 - 8,60)	3,59	**7,40** A+++	2,23 (0,48 - 2,95)	1115	10,70	1,62	3,54	4,24		9,40 (3,20 - 10,50)	4,27	**4,40** A+	2,20 (0,48 - 3,16)	1100	10,30
16 + 35 + 50	1,27	2,77	3,96		8,00 (3,00 - 8,80)	3,92	**7,40** A+++	2,04 (0,52 - 2,80)	1020	9,80	1,49	3,26	4,65		9,40 (3,20 - 10,50)	4,50	**4,40** A+	2,09 (0,51 - 3,01)	1045	9,80
16 + 35 + 60	1,15	2,52	4,33		8,00 (3,00 - 8,80)	3,92	**7,40** A+++	2,04 (0,52 - 2,80)	1020	9,80	1,35	2,96	5,09		9,40 (3,20 - 10,60)	4,50	**4,40** A+	2,09 (0,51 - 3,07)	1045	9,80
16 + 35 + 71	1,05	2,30	4,65		8,00 (3,00 - 9,00)	3,92	**7,40** A+++	2,04 (0,52 - 2,87)	1020	9,80	1,23	2,70	5,47		9,40 (3,20 - 10,60)	4,52	**4,40** A+	2,08 (0,51 - 3,06)	1040	9,80
16 + 42 + 42	1,28	3,36	3,36		8,00 (3,00 - 8,80)	3,59	**7,40** A+++	2,23 (0,48 - 3,10)	1115	10,70	1,50	3,95	3,95		9,40 (3,20 - 10,50)	4,29	**4,40** A+	2,19 (0,48 - 3,15)	1095	10,30
16 + 42 + 50	1,19	3,11	3,70		8,00 (3,00 - 8,80)	3,92	**7,40** A+++	2,04 (0,52 - 2,80)	1020	9,80	1,39	3,66	4,35		9,40 (3,20 - 10,50)	4,50	**4,40** A+	2,09 (0,51 - 3,00)	1045	9,80
16 + 42 + 60	1,08	2,85	4,07		8,00 (3,00 - 9,00)	3,92	**7,40** A+++	2,04 (0,52 - 2,87)	1020	9,80	1,27	3,35	4,78		9,40 (3,20 - 10,60)	4,50	**4,40** A+	2,09 (0,51 - 3,06)	1045	9,80
16 + 42 + 71	0,99	2,60	4,41		8,00 (3,00 - 9,00)	4,04	**7,40** A+++	1,98 (0,52 - 2,80)	990	9,50	1,17	3,06	5,17		9,40 (3,20 - 10,60)	4,54	**4,40** A+	2,07 (0,51 - 3,04)	1035	9,70
16 + 50 + 50	1,10	3,45	3,45		8,00 (3,00 - 8,80)	4,17	**7,40** A+++	1,92 (0,57 - 2,58)	960	9,20	1,30	4,05	4,05		9,40 (3,20 - 10,60)	4,70	**4,40** A+	2,00 (0,57 - 2,93)	1000	9,40

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 4x1 CU-4Z80TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 14,70kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V
16+50+60	1,02	3,17	3,81		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,19	3,73	4,48		9,40 (3,20 - 10,60)	4,70	4,40 A+	2,00 (0,57 - 2,93)	1000	9,40
16+50+71	0,93	2,92	4,15		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,10	3,43	4,87		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
16+60+60	0,94	3,53	3,53		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,10	4,15	4,15		9,40 (3,20 - 10,60)	4,70	4,40 A+	2,00 (0,57 - 2,93)	1000	9,40
16+60+71	0,87	3,27	3,86		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,02	3,84	4,54		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
20+20+20	2,00	2,00	2,00		6,00 (3,00 - 8,50)	4,00	7,40 A++	1,50 (0,48 - 3,03)	750	7,30	3,13	3,13	3,13		9,39 (3,20 - 10,40)	4,15	4,30 A+	2,26 (0,49 - 3,24)	1130	10,60
20+20+25	2,00	2,00	2,50		6,50 (3,00 - 8,50)	3,76	7,40 A++	1,73 (0,48 - 3,03)	865	8,40	2,89	2,89	3,62		9,40 (3,20 - 10,40)	4,16	4,30 A+	2,26 (0,49 - 3,24)	1130	10,60
20+20+35	2,00	2,00	3,50		7,50 (3,00 - 8,50)	3,64	7,40 A++	2,06 (0,48 - 2,95)	1030	9,90	2,51	2,51	4,38		9,40 (3,20 - 10,40)	4,22	4,30 A+	2,23 (0,49 - 3,20)	1115	10,50
20+20+42	1,95	1,95	4,10		8,00 (3,00 - 8,60)	3,49	7,40 A++	2,29 (0,48 - 3,03)	1145	11,00	2,29	2,29	4,82		9,40 (3,20 - 10,40)	4,23	4,40 A+	2,22 (0,48 - 3,19)	1110	10,40
20+20+50	1,78	1,78	4,44		8,00 (3,00 - 8,60)	3,92	7,40 A++	2,04 (0,52 - 2,65)	1020	9,80	2,09	2,09	5,22		9,40 (3,20 - 10,50)	4,45	4,40 A+	2,11 (0,51 - 3,03)	1055	9,90
20+20+60	1,60	1,60	4,80		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	1,88	1,88	5,64		9,40 (3,20 - 10,50)	4,45	4,40 A+	2,11 (0,51 - 3,03)	1055	9,90
20+20+71	1,44	1,44	5,12		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,72)	1020	9,80	1,69	1,69	6,02		9,40 (3,20 - 10,60)	4,48	4,40 A+	2,10 (0,51 - 3,08)	1050	9,90
20+25+25	2,00	2,50	2,50		7,00 (3,00 - 8,50)	3,70	7,40 A++	1,89 (0,48 - 3,03)	945	9,00	2,68	3,36	3,36		9,40 (3,20 - 10,40)	4,16	4,30 A+	2,26 (0,49 - 3,24)	1130	10,60
20+25+35	2,00	2,50	3,50		8,00 (3,00 - 8,60)	3,49	7,40 A++	2,29 (0,48 - 3,03)	1145	11,00	2,35	2,94	4,11		9,40 (3,20 - 10,40)	4,22	4,40 A+	2,23 (0,49 - 3,20)	1115	10,50
20+25+42	1,84	2,30	3,86		8,00 (3,00 - 8,60)	3,49	7,40 A++	2,29 (0,48 - 3,03)	1145	11,00	2,16	2,70	4,54		9,40 (3,20 - 10,50)	4,23	4,40 A+	2,22 (0,48 - 3,25)	1110	10,40
20+25+50	1,68	2,11	4,21		8,00 (3,00 - 8,60)	3,92	7,40 A++	2,04 (0,52 - 2,65)	1020	9,80	1,98	2,47	4,95		9,40 (3,20 - 10,50)	4,45	4,40 A+	2,11 (0,51 - 3,03)	1055	9,90
20+25+60	1,52	1,90	4,58		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	1,79	2,24	5,37		9,40 (3,20 - 10,50)	4,45	4,40 A+	2,11 (0,51 - 3,03)	1055	9,90
20+25+71	1,38	1,72	4,90		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,72)	1020	9,80	1,62	2,03	5,75		9,40 (3,20 - 10,60)	4,48	4,40 A+	2,10 (0,51 - 3,08)	1050	9,90
20+35+35	1,78	3,11	3,11		8,00 (3,00 - 8,60)	3,59	7,40 A++	2,23 (0,48 - 2,95)	1115	10,70	2,08	3,66	3,66		9,40 (3,20 - 10,50)	4,27	4,40 A+	2,20 (0,48 - 3,16)	1100	10,30
20+35+42	1,65	2,89	3,46		8,00 (3,00 - 8,60)	3,59	7,40 A++	2,23 (0,48 - 2,95)	1115	10,70	1,94	3,39	4,07		9,40 (3,20 - 10,50)	4,29	4,40 A+	2,19 (0,48 - 3,15)	1095	10,30
20+35+50	1,52	2,67	3,81		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	1,79	3,13	4,48		9,40 (3,20 - 10,50)	4,50	4,40 A+	2,09 (0,51 - 3,00)	1045	9,80
20+35+60	1,39	2,43	4,18		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	1,63	2,86	4,91		9,40 (3,20 - 10,60)	4,50	4,40 A+	2,09 (0,51 - 3,06)	1045	9,80
20+35+71	1,27	2,22	4,51		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	1,49	2,61	5,30		9,40 (3,20 - 10,60)	4,54	4,40 A+	2,07 (0,51 - 3,04)	1035	9,70
20+42+42	1,54	3,23	3,23		8,00 (3,00 - 8,80)	3,59	7,40 A++	2,23 (0,48 - 3,03)	1115	10,70	1,80	3,80	3,80		9,40 (3,20 - 10,50)	4,31	4,40 A+	2,18 (0,48 - 3,14)	1090	10,20
20+42+50	1,43	3,00	3,57		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,72)	1020	9,80	1,68	3,53	4,19		9,40 (3,20 - 10,60)	4,52	4,40 A+	2,08 (0,51 - 3,05)	1040	9,80
20+42+60	1,31	2,75	3,94		8,00 (3,00 - 9,00)	3,92	7,40 A++	2,04 (0,52 - 2,87)	1020	9,80	1,54	3,24	4,62		9,40 (3,20 - 10,60)	4,52	4,40 A+	2,08 (0,51 - 3,05)	1040	9,80
20+42+71	1,20	2,53	4,27		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	1,41	2,97	5,02		9,40 (3,20 - 10,60)	4,54	4,40 A+	2,07 (0,52 - 3,03)	1035	9,70
20+50+50	1,33	3,33	3,33		7,99 (3,00 - 9,00)	4,16	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,56	3,92	3,92		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
20+50+60	1,23	3,08	3,69		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,45	3,62	4,33		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
20+50+71	1,13	2,84	4,03		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,33	3,33	4,74		9,40 (3,20 - 10,60)	4,75	4,40 A+	1,98 (0,60 - 2,91)	990	9,30
20+60+60	1,14	3,43	3,43		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,34	4,03	4,03		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
25+25+25	2,50	2,50	2,50		7,50 (3,00 - 8,50)	3,52	7,40 A++	2,13 (0,48 - 3,03)	1065	10,20	3,13	3,13	3,13		9,39 (3,20 - 10,40)	4,15	4,30 A+	2,26 (0,49 - 3,24)	1130	10,60
25+25+35	2,35	2,35	3,30		8,00 (3,00 - 8,60)	3,49	7,40 A++	2,29 (0,48 - 3,03)	1145	11,00	2,76	2,76	3,88		9,40 (3,20 - 10,40)	4,22	4,40 A+	2,23 (0,49 - 3,20)	1115	10,50
25+25+42	2,17	2,17	3,66		8,00 (3,00 - 8,60)	3,49	7,40 A++	2,29 (0,48 - 3,03)	1145	11,00	2,55	2,55	4,30		9,40 (3,20 - 10,50)	4,23	4,40 A+	2,22 (0,48 - 3,25)	1110	10,40
25+25+50	2,00	2,00	4,00		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	2,35	2,35	4,70		9,40 (3,20 - 10,50)	4,45	4,40 A+	2,11 (0,51 - 3,03)	1055	9,90
25+25+60	1,82	1,82	4,36		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	2,14	2,14	5,12		9,40 (3,20 - 10,50)	4,45	4,40 A+	2,11 (0,51 - 3,03)	1055	9,90
25+25+71	1,65	1,65	4,70		8,00 (3,00 - 9,00)	3,92	7,40 A++	2,04 (0,52 - 2,87)	1020	9,80	1,94	1,94	5,52		9,40 (3,20 - 10,60)	4,48	4,40 A+	2,10 (0,51 - 3,08)	1050	9,90
25+35+35	2,10	2,95	2,95		8,00 (3,00 - 8,60)	3,59	7,40 A++	2,23 (0,48 - 2,95)	1115	10,70	2,48	3,46	3,46		9,40 (3,20 - 10,50)	4,27	4,40 A+	2,20 (0,48 - 3,16)	1100	10,30
25+35+42	1,96	2,75	3,29		8,00 (3,00 - 8,80)	3,59	7,40 A++	2,23 (0,48 - 3,10)	1115	10,70	2,30	3,23	3,87		9,40 (3,20 - 10,50)	4,29	4,40 A+	2,19 (0,48 - 3,15)	1095	10,30
25+35+50	1,82	2,55	3,63		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,80)	1020	9,80	2,14	2,99	4,27		9,40 (3,20 - 10,50)	4,50	4,40 A+	2,09 (0,51 - 3,00)	1045	9,80
25+35+60	1,67	2,33	4,00		8,00 (3,00 - 9,00)	3,92	7,40 A++	2,04 (0,52 - 2,87)	1020	9,80	1,96	2,74	4,70		9,40 (3,20 - 10,60)	4,50	4,40 A+	2,09 (0,51 - 3,06)	1045	9,80
25+35+71	1,53	2,14	4,33		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	1,79	2,51	5,10		9,40 (3,20 - 10,60)	4,54	4,40 A+	2,07 (0,51 - 3,04)	1035	9,70
25+42+42	1,84	3,08	3,08		8,00 (3,00 - 8,80)	3,59	7,40 A++	2,23 (0,48 - 3,03)	1115	10,70	2,16	3,62	3,62		9,40 (3,20 - 10,50)	4,31	4,40 A+	2,18 (0,48 - 3,14)	1090	10,20
25+42+50	1,71	2,87	3,42		8,00 (3,00 - 8,80)	3,92	7,40 A++	2,04 (0,52 - 2,72)	1020	9,80	2,01	3,37	4,02		9,40 (3,20 - 10,60)	4,52	4,40 A+	2,08 (0,51 - 3,05)	1040	9,80
25+42+60	1,57	2,65	3,78		8,00 (3,00 - 9,00)	3,92	7,40 A++	2,04 (0,52 - 2,87)	1020	9,80	1,85	3,11	4,44		9,40 (3,20 - 10,60)	4,52	4,40 A+	2,08 (0,51 - 3,05)	1040	9,80
25+42+71	1,45	2,43	4,12		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	1,70	2,86	4,84		9,40 (3,20 - 10,60)	4,54	4,40 A+	2,07 (0,52 - 3,03)	1035	9,70
25+50+50	1,60	3,20	3,20		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,88	3,76	3,76		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
25+50+60	1,48	2,96	3,56		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,74	3,48	4,18		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
25+50+71	1,37	2,74	3,89		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,61	3,22	4,57		9,40 (3,20 - 10,60)	4,75	4,40 A+	1,98 (0,60 - 2,91)	990	9,30
25+60+60	1,38	3,31	3,31		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	1,62	3,89	3,89		9,40 (3,20 - 10,60)	4,72	4,40 A+	1,99 (0,59 - 2,92)	995	9,40
35+35+35	2,66	2,66	2,66		7,98 (3,00 - 8,80)	3,68	7,40 A++	2,17 (0,48 - 3,03)	1085	10,40	3,13	3,13	3,13		9,39 (3,20 - 10,50)	4,31	4,40 A+	2,18 (0,48 - 3,13)	1090	10,20
35+35+42	2,50	2,50	3,00		8,00 (3,00 - 8,80)	3,69	7,40 A++	2,17 (0,48 - 3,03)	1085	10,40	2,94	2,94	3,52		9,40 (3,20 - 10,60)	4,33	4,40 A+	2,17 (0,48 - 3,17)	1085	10,20
35+35+50	2,33	2,33	3,33		7,99 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,87)	990	9,50	2,74	2,74	3,92		9,40 (3,20 - 10,60)	4,56	4,40 A+	2,06 (0,52 - 3,03)	1030	9,70
35+35+60	2,15	2,15	3,70		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,87)	990	9,50	2,53	2,53	4,34		9,40 (3,20 - 10,60)	4,56	4,40 A+	2,06 (0,52 - 3,03)	1030	9,70
35+35+71	1,99	1,99	4,02		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	2,33	2,33	4,74		9,40 (3,20 - 10,60)	4,59	4,40 A+	2,05 (0,52 - 3,01)	1025	9,60
35+42+42	2,36	2,82	2,82		8,00 (3,00 - 9,00)	3,69	7,40 A++	2,17 (0,48 - 3,10)	1085	10,40	2,76	3,32	3,32		9,40 (3,20 - 10,60)	4,35	4,40 A+	2,16 (0,48 - 3,16)	1080	10,20
35+42+50	2,20	2,65	3,15		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	2,59	3,11	3,70		9,40 (3,20 - 10,60)	4,59	4,40 A+	2,05 (0,52 - 3,02)	1025	9,60
35+42+60	2,04	2,45	3,51		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	2,40	2,88	4,12		9,40 (3,20 - 10,60)	4,59	4,40 A+	2,05 (0,52 - 3,02)	1025	9,60
35+50+50	2,08	2,96	2,96		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	2,44	3,48	3,48		9,40 (3,20 - 10,60)	4,77	4,40 A+	1,97 (0,60 - 2,89)	985	9,30
35+50+60	1,93	2,76	3,31		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	2,27	3,24	3,89		9,40 (3,20 - 10,60)	4,77	4,40 A+	1,97 (0,60 - 2,89)	985	9,30
42+42+42	2,66	2,66	2,66		7,98 (3,00 - 9,00)	3,68	7,40 A++	2,17 (0,48 - 3,10)	1085	10,40	3,13	3,13	3,13		9,39 (3,20 - 10,60)	4,37	4,40 A+	2,15 (0,48 - 3,15)	1075	10,10
42+42+50	2,51	2,51	2,98		8,00 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	2,95	2,95	3,50		9,40 (3,20 - 10,60)	4,59	4,40 A+	2,05 (0,54 - 3,00)	1025	9,60
42+42+60	2,33	2,33	3,33		7,99 (3,00 - 9,00)	4,04	7,40 A++	1,98 (0,52 - 2,80)	990	9,50	2,74	2,74	3,92		9,40 (3,20 - 10,60)	4,59	4,40 A+	2,05 (0,54 - 3,00)	1025	9,60
42+50+50	2,36	2,82	2,82		8,00 (3,00 - 9,00)	4,17	7,40 A++	1,92 (0,57 - 2,65)	960	9,20	2,78	3,31	3,31		9,40 (3,20 - 10,60)	4,77	4,40 A+	1,97 (0,61 - 2,88)	985	9,30
4 Rooms																				
16+16+16+16	1,60	1,60	1,60	1,60	6,40 (3,00 - 9,20)	4,30	8,50 A+++	1,49 (0,52 - 2,95)	745	7,20	2,35	2,35	2,35	2,35	9,40 (4,20 - 10,60)	4,54	4,60 A++	2,07 (0,68 - 3,03)	1035	9,70
16+16+16+20	1,60	1,60	1,60	2,00	6,80 (3,00 - 9,20)	4,28	8,50 A+++	1,59 (0,52 - 2,87)	795	7,70	2,21	2,21	2,21	2,77	9,40 (4,20 - 10,60)	4,56	4,60 A++	2,06 (0,68 - 3,02)	1030	9,70
16+16+16+25	1,60	1,60	1,60	2,50	7,30 (3,00 - 9,20)	4,15	7,90 A+++	1,76 (0,52 - 2,87)	880	8,40	2,06	2,06	2,06	3,22	9,40 (4,20 - 10,60)	4,56	4,60 A++	2,06 (0,68 - 3,02)	1030	9,70
16+16+16+35	1,54	1,54	1,54	3,38	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	1,81	1,81	1,81	3,97	9,40 (4,20 - 10,60)	4,61	4,70 A++	2,04 (0,69 - 2,99)	1020	9,60
16+16+16+42	1,42	1,42	1,42	3,74	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	1,67	1,67	1,67	4,39	9,40 (4,20 - 10,60)	4,63	4,70 A++	2,03 (0,69 - 2,98)	1015	9,50
16+16+16+50	1,31	1,31	1,31	4,07	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,73)	935	9,00	1,53	1,53	1,53	4,81	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,76 - 2,86)	1000	9,40
16+16+16+60	1,19	1,19	1,19	4,43	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,73)	935	9,00	1,39	1,39	1,39	5,23	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,76 - 2,86)	1000	9,40
16+16+16+71	1,08	1,08	1,08	4,76	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,26	1,26	1,26	5,62	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,77 - 2,85)	995	9,40
16+16+20+20	1,60	1,60	2,00	2,00	7,20 (3,00 - 9,20)	4,24	7,90 A+++	1,70 (0,53 - 2,87)	850	8,20	2,09	2,09	2,61	2,61	9,40 (4,20 - 10,60)	4,59	4,60 A++	2,05 (0,68 - 3,01)	1025	9,60
16+16+20+25	1,60	1,60	2,00	2,50	7,70 (3,00 - 9,20)	4,14	7,90 A+++	1,86 (0,53 - 2,87)	930	8,90	1,95	1,95	2,44	3,06	9,40 (4,20 - 10,60)	4,59	4,60 A++	2,05 (0,68 - 3,01)	1025	9,60
16+16+20+35	1,47	1,47	1,84	3,22	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,53 - 2,87)	960	9,20	1,73	1,73	2,16	3,78	9,40 (4,20 - 10,60)	4,63	4,70 A++	2,03 (0,69 - 2,98)	1015	9,50
16+16+20+42	1,36	1,36	1,70	3,58	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,56 - 2,87)	960	9,20	1,60	1,60	2,00	4,20	9,40 (4,20 - 10,60)	4,65	4,70 A++	2,02 (0,71 - 2,97)	1010	9,50
16+16+20+50	1,25	1,25	1,57	3,93	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,47	1,47	1,84	4,62	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,77 - 2,85)	995	9,40
16+16+20+60	1,14	1,14	1,43	4,29	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,34	1,34	1,68	5,04	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,77 - 2,85)	995	9,40

Free Multi 4x1 CU-4Z80TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 14,70kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V
16+16+20+71	1,04	1,04	1,30	4,62	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,22	1,22	1,53	5,43	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,79 - 2,90)	990	9,30
16+16+25+25	1,56	1,56	2,44	2,44	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	1,83	1,83	2,87	2,87	9,40 (4,20 - 10,60)	4,59	4,70 A++	2,05 (0,68 - 3,01)	1025	9,60
16+16+25+35	1,39	1,39	2,17	3,05	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,53 - 2,87)	960	9,20	1,63	1,63	2,55	3,59	9,40 (4,20 - 10,60)	4,63	4,70 A++	2,03 (0,69 - 2,98)	1015	9,50
16+16+25+42	1,29	1,29	2,02	3,40	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,56 - 2,87)	960	9,20	1,52	1,52	2,37	3,99	9,40 (4,20 - 10,60)	4,65	4,70 A++	2,02 (0,71 - 2,97)	1010	9,50
16+16+25+50	1,20	1,20	1,87	3,73	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,41	1,41	2,20	4,38	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,77 - 2,85)	995	9,40
16+16+25+60	1,09	1,09	1,71	4,11	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,29	1,29	2,01	4,81	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,77 - 2,85)	995	9,40
16+16+25+71	1,00	1,00	1,56	4,44	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,18	1,18	1,84	5,20	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,79 - 2,90)	990	9,30
16+16+35+35	1,25	1,25	2,75	2,75	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,47	1,47	3,23	3,23	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,72 - 2,95)	1005	9,40
16+16+35+42	1,17	1,17	2,57	3,09	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,38	1,38	3,02	3,62	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,94)	1000	9,40
16+16+35+50	1,09	1,09	2,39	3,43	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,29	1,29	2,81	4,01	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
16+16+35+60	1,01	1,01	2,20	3,78	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,18	1,18	2,59	4,45	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
16+16+35+71	0,93	0,93	2,03	4,11	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,09	1,09	2,38	4,84	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,87)	985	9,30
16+16+42+42	1,10	1,10	2,90	2,90	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,30	1,30	3,40	3,40	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,93)	1000	9,40
16+16+42+50	1,03	1,03	2,71	3,23	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,21	1,21	3,18	3,80	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
16+16+42+60	0,96	0,96	2,51	3,57	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,66)	935	9,00	1,12	1,12	2,95	4,21	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
16+16+42+71	0,88	0,88	2,32	3,92	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,04	1,04	2,72	4,60	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+16+50+50	0,97	0,97	3,03	3,03	8,00 (3,00 - 9,20)	4,26	7,90 A+++	1,88 (0,69 - 2,60)	940	9,00	1,14	1,14	3,56	3,56	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,92 - 2,85)	1005	9,40
16+16+50+60	0,90	0,90	2,82	3,38	8,00 (3,00 - 9,20)	4,26	7,90 A+++	1,88 (0,69 - 2,60)	940	9,00	1,06	1,06	3,31	3,97	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,92 - 2,85)	1005	9,40
16+20+20+20	1,60	2,00	2,00	2,00	7,60 (3,00 - 9,20)	4,06	7,90 A+++	1,87 (0,53 - 2,87)	935	9,00	1,99	2,47	2,47	2,47	9,40 (4,20 - 10,60)	4,61	4,60 A++	2,04 (0,69 - 3,00)	1020	9,60
16+20+20+25	1,58	1,98	1,98	2,46	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	1,86	2,32	2,32	2,90	9,40 (4,20 - 10,60)	4,61	4,70 A++	2,04 (0,69 - 3,00)	1020	9,60
16+20+20+35	1,41	1,76	1,76	3,07	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,65	2,07	2,07	3,61	9,40 (4,20 - 10,60)	4,65	4,70 A++	2,02 (0,71 - 2,97)	1010	9,50
16+20+20+42	1,31	1,63	1,63	3,43	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,53	1,92	1,92	4,03	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,71 - 2,96)	1005	9,40
16+20+20+50	1,21	1,51	1,51	3,77	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,42	1,77	1,77	4,44	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,79 - 2,90)	995	9,40
16+20+20+60	1,10	1,38	1,38	4,14	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,30	1,62	1,62	4,86	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,79 - 2,90)	995	9,40
16+20+20+71	1,01	1,26	1,26	4,47	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,18	1,48	1,48	5,26	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
16+20+25+25	1,48	1,86	2,33	2,33	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	1,75	2,19	2,73	2,73	9,40 (4,20 - 10,60)	4,61	4,70 A++	2,04 (0,69 - 3,00)	1020	9,60
16+20+25+35	1,33	1,67	2,08	2,92	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,57	1,96	2,45	3,42	9,40 (4,20 - 10,60)	4,65	4,70 A++	2,02 (0,71 - 2,97)	1010	9,50
16+20+25+42	1,24	1,55	1,94	3,27	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,46	1,83	2,28	3,83	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,71 - 2,96)	1005	9,40
16+20+25+50	1,15	1,44	1,80	3,61	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,35	1,69	2,12	4,24	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,79 - 2,90)	995	9,40
16+20+25+60	1,06	1,32	1,65	3,97	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,24	1,55	1,94	4,67	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,79 - 2,90)	995	9,40
16+20+25+71	0,97	1,21	1,52	4,30	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,14	1,42	1,78	5,06	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
16+20+35+35	1,21	1,51	2,64	2,64	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,42	1,78	3,10	3,10	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,94)	1000	9,40
16+20+35+42	1,13	1,42	2,48	2,97	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,33	1,66	2,91	3,50	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,93)	1000	9,40
16+20+35+50	1,06	1,32	2,31	3,31	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,24	1,55	2,72	3,89	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
16+20+35+60	0,98	1,22	2,14	3,66	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,15	1,44	2,51	4,30	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
16+20+35+71	0,90	1,13	1,97	4,00	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,06	1,32	2,32	4,70	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+20+42+42	1,07	1,33	2,80	2,80	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,25	1,57	3,29	3,29	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,72 - 2,92)	995	9,40
16+20+42+50	1,00	1,25	2,63	3,12	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,18	1,47	3,08	3,67	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+20+42+60	0,93	1,16	2,43	3,48	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,09	1,36	2,86	4,09	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+20+50+50	0,94	1,18	2,94	2,94	8,00 (3,00 - 9,20)	4,23	7,90 A+++	1,89 (0,69 - 2,60)	945	9,00	1,10	1,38	3,46	3,46	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,93 - 2,90)	1005	9,40
16+20+50+60	0,88	1,10	2,74	3,28	8,00 (3,00 - 9,20)	4,23	7,90 A+++	1,89 (0,69 - 2,60)	945	9,00	1,03	1,29	3,22	3,86	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,93 - 2,90)	1005	9,40
16+25+25+25	1,40	2,20	2,20	2,20	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	1,66	2,58	2,58	2,58	9,40 (4,20 - 10,60)	4,61	4,70 A++	2,04 (0,69 - 3,00)	1020	9,60
16+25+25+35	1,27	1,98	1,98	2,77	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,49	2,33	2,33	3,25	9,40 (4,20 - 10,60)	4,65	4,70 A++	2,02 (0,71 - 2,97)	1010	9,50
16+25+25+42	1,19	1,85	1,85	3,11	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,39	2,18	2,18	3,65	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,71 - 2,96)	1005	9,40
16+25+25+50	1,10	1,72	1,72	3,46	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,30	2,03	2,03	4,04	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,79 - 2,90)	995	9,40
16+25+25+60	1,02	1,59	1,59	3,80	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,19	1,87	1,87	4,47	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,79 - 2,90)	995	9,40
16+25+25+71	0,93	1,46	1,46	4,15	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,10	1,72	1,72	4,86	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
16+25+35+35	1,15	1,81	2,52	2,52	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,35	2,13	2,96	2,96	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,94)	1000	9,40
16+25+35+42	1,08	1,69	2,37	2,86	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,27	1,99	2,79	3,35	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,93)	1000	9,40
16+25+35+50	1,02	1,59	2,22	3,17	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,19	1,87	2,61	3,73	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
16+25+35+60	0,94	1,47	2,06	3,53	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,10	1,73	2,42	4,15	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
16+25+35+71	0,87	1,36	1,90	3,87	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,02	1,60	2,24	4,54	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+25+42+42	1,02	1,60	2,69	2,69	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,20	1,88	3,16	3,16	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,72 - 2,92)	995	9,40
16+25+42+50	0,96	1,50	2,53	3,01	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,13	1,77	2,97	3,53	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+25+42+60	0,90	1,40	2,35	3,35	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,05	1,64	2,76	3,95	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,81 - 2,87)	985	9,30
16+25+50+50	0,90	1,42	2,84	2,84	8,00 (3,00 - 9,20)	4,23	7,90 A+++	1,89 (0,69 - 2,60)	945	9,00	1,07	1,67	3,33	3,33	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,93 - 2,90)	1005	9,40
16+35+35+35	1,07	2,31	2,31	2,31	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,24	2,72	2,72	2,72	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,72 - 2,91)	990	9,30
16+35+35+42	1,00	2,19	2,19	2,62	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,72)	960	9,20	1,18	2,57	2,57	3,08	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,75 - 2,90)	990	9,30
16+35+35+50	0,94	2,06	2,06	2,94	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,11	2,42	2,42	3,45	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,84 - 2,86)	1000	9,40
16+35+35+60	0,88	1,92	1,92	3,28	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,03	2,25	2,25	3,87	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,84 - 2,86)	1000	9,40
16+35+42+42	0,95	2,07	2,49	2,49	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,72)	960	9,20	1,11	2,45	2,92	2,92	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,75 - 2,89)	985	9,30
16+35+42+50	0,90	1,96	2,35	2,79	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,05	2,30	2,76	3,29	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,84 - 2,85)	1000	9,40
16+42+42+42	0,89	2,37	2,37	2,37	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,72)	960	9,20	1,06	2,78	2,78	2,78	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,76 - 2,88)	985	9,30
20+20+20+20	2,00	2,00	2,00	2,00	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	2,35	2,35	2,35	2,35	9,40 (4,20 - 10,60)	4,63	4,70 A++	2,03 (0,69 - 2,99)	1015	9,50
20+20+20+25	1,88	1,88	1,88	2,36	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	2,21	2,21	2,21	2,77	9,40 (4,20 - 10,60)	4,63	4,70 A++	2,03 (0,69 - 2,99)	1015	9,50
20+20+20+35	1,68	1,68	1,68	2,96	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,98	1,98	1,98	3,46	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,71 - 2,96)	1005	9,40
20+20+20+42	1,57	1,57	1,57	3,29	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,84	1,84	1,84	3,88	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,72 - 2,95)	1005	9,40
20+20+20+50	1,45	1,45	1,45	3,65	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,71	1,71	1,71	4,27	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
20+20+20+60	1,33	1,33	1,33	4,01	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,57	1,57	1,57	4,69	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
20+20+20+71	1,22	1,22	1,22	4,34	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,44	1,44	1,44	5,08	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
20+20+25+25	1,78	1,78	2,22	2,22	8,00 (3,00 - 9,20)	4,04	7,90 A+++	1,98 (0,53 - 2,87)	990	9,50	2,09	2,09	2,61	2,61	9,40 (4,20 - 10,60)	4,63	4,70 A++	2,03 (0,69 - 2,99)	1015	9,50
20+20+25+35	1,60	1,60	2,00	2,80	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,88	1,88	2,35	3,29	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,71 - 2,96)	1005	9,40
20+20+25+42	1,50	1,50	1,87	3,13	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,76	1,76	2,20	3,68	9,40 (4,20 - 10,60)	4,68	4,70 A++	2,01 (0,72 - 2,95)	1005	9,40
20+20+25+50	1,39	1,39	1,74	3,48	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,63	1,63	2,04	4,10	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
20+20+25+60	1,28	1,28	1,60	3,84	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,62 - 2,65)	935	9,00	1,50	1,50	1,88	4,52	9,40 (4,20 - 10,60)	4,75	4,70 A++	1,98 (0,80 - 2,89)	990	9,30
20+20+25+71	1,18	1,18	1,47	4,17	8,00 (3,00 - 9,20)	4,28	7,90 A+++	1,87 (0,63 - 2,66)	935	9,00	1,38	1,38	1,73	4,91	9,40 (4,20 - 10,60)	4,77	4,70 A++	1,97 (0,80 - 2,88)	985	9,30
20+20+35+35	1,45	1,45	2,55	2,55	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,71	1,71	2,99	2,99	9,40 (4,20 - 10,60)	4,70	4,70 A++	2,00 (0,72 - 2,93)	1000	9,40
20+20+35+42	1,37	1,37	2,39	2,87	8,00 (3,00 - 9,20)	4,17	7,90 A+++	1,92 (0,57 - 2,80)	960	9,20	1,61	1,61	2,81	3,37	9,40 (4,20 - 10,60)	4,72	4,70 A++	1,99 (0,72 - 2,92)	995	9,40

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 4x1 CU-4Z80TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 14,70kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	Total (Min - Max)	W/W		kW	kWh	230V
20+20+35+50	1,28	1,28	2,24	3,20	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,50	1,50	2,63	3,77	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,81 - 2,87)	985	9,30
20+20+35+60	1,19	1,19	2,07	3,55	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,39	1,39	2,44	4,18	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,81 - 2,87)	985	9,30
20+20+35+71	1,10	1,10	1,92	3,88	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,29	1,29	2,25	4,57	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,83 - 2,86)	1000	9,40
20+20+42+42	1,29	1,29	2,71	2,71	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,52	1,52	3,18	3,18	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,72 - 2,91)	990	9,30
20+20+42+50	1,21	1,21	2,55	3,03	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,42	1,42	2,99	3,57	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,81 - 2,86)	1000	9,40
20+20+42+60	1,13	1,13	2,37	3,37	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,32	1,32	2,78	3,98	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,81 - 2,86)	1000	9,40
20+20+50+50	1,14	1,14	2,86	2,86	8,00 (3,00 - 9,20)	4,23	**7,90** A+++	1,89 (0,70 - 2,60)	945	9,00	1,34	1,34	3,36	3,36	9,40 (4,20 - 10,60)	4,68	**4,70** A+++	2,01 (0,94 - 2,89)	1005	9,40
20+25+25+25	1,67	2,11	2,11	2,11	8,00 (3,00 - 9,20)	4,04	**7,90** A+++	1,98 (0,53 - 2,87)	990	9,50	1,99	2,47	2,47	2,47	9,40 (4,20 - 10,60)	4,63	**4,70** A+++	2,03 (0,69 - 2,99)	1015	9,50
20+25+25+35	1,52	1,90	1,90	2,68	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,79	2,24	2,24	3,13	9,40 (4,20 - 10,60)	4,68	**4,70** A+++	2,01 (0,71 - 2,96)	1005	9,40
20+25+25+42	1,43	1,79	1,79	2,99	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,68	2,10	2,10	3,52	9,40 (4,20 - 10,60)	4,68	**4,70** A+++	2,01 (0,72 - 2,95)	1005	9,40
20+25+25+50	1,33	1,67	1,67	3,33	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,62 - 2,65)	935	9,00	1,57	1,96	1,96	3,91	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,80 - 2,89)	990	9,30
20+25+25+60	1,23	1,54	1,54	3,69	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,62 - 2,65)	935	9,00	1,45	1,81	1,81	4,33	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,80 - 2,89)	990	9,30
20+25+25+71	1,13	1,42	1,42	4,03	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,33	1,67	1,67	4,73	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,80 - 2,88)	985	9,30
20+25+35+35	1,39	1,75	2,43	2,43	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,63	2,05	2,86	2,86	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,72 - 2,93)	1000	9,40
20+25+35+42	1,31	1,64	2,30	2,75	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,54	1,93	2,70	3,23	9,40 (4,20 - 10,60)	4,72	**4,70** A+++	1,99 (0,72 - 2,92)	995	9,40
20+25+35+50	1,23	1,54	2,15	3,08	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,45	1,81	2,53	3,61	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,81 - 2,87)	985	9,30
20+25+35+60	1,14	1,43	2,00	3,43	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,34	1,68	2,35	4,03	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,81 - 2,87)	985	9,30
20+25+42+42	1,24	1,56	2,60	2,60	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,46	1,82	3,06	3,06	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,72 - 2,91)	990	9,30
20+25+42+50	1,17	1,46	2,45	2,92	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,37	1,72	2,88	3,43	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,81 - 2,86)	1000	9,40
20+25+42+60	1,09	1,36	2,29	3,26	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,28	1,60	2,69	3,83	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,81 - 2,86)	1000	9,40
20+25+50+50	1,10	1,38	2,76	2,76	8,00 (3,00 - 9,20)	4,23	**7,90** A+++	1,89 (0,70 - 2,60)	945	9,00	1,30	1,62	3,24	3,24	9,40 (4,20 - 10,60)	4,68	**4,70** A+++	2,01 (0,94 - 2,89)	1005	9,40
20+35+35+35	1,28	2,24	2,24	2,24	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,72)	960	9,20	1,51	2,63	2,63	2,63	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,75 - 2,90)	990	9,30
20+35+35+42	1,21	2,12	2,12	2,55	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,72)	960	9,20	1,42	2,49	2,49	3,00	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,75 - 2,89)	985	9,30
20+35+35+50	1,14	2,00	2,00	2,86	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,34	2,35	2,35	3,36	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,84 - 2,85)	1000	9,40
20+35+42+42	1,15	2,01	2,42	2,42	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,72)	960	9,20	1,35	2,37	2,84	2,84	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,76 - 2,88)	985	9,30
20+35+42+50	1,09	1,90	2,29	2,72	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,28	2,24	2,69	3,19	9,40 (4,20 - 10,60)	4,72	**4,70** A+++	1,99 (0,85 - 2,84)	995	9,40
20+42+42+42	1,10	2,30	2,30	2,30	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,58 - 2,72)	935	9,00	1,30	2,70	2,70	2,70	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,76 - 2,87)	1000	9,40
25+25+25+25	2,00	2,00	2,00	2,00	8,00 (3,00 - 9,20)	4,04	**7,90** A+++	1,98 (0,53 - 2,87)	990	9,50	2,35	2,35	2,35	2,35	9,40 (4,20 - 10,60)	4,63	**4,70** A+++	2,03 (0,69 - 2,99)	1015	9,50
25+25+25+35	1,82	1,82	1,82	2,54	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	2,14	2,14	2,14	2,98	9,40 (4,20 - 10,60)	4,68	**4,70** A+++	2,01 (0,71 - 2,96)	1005	9,40
25+25+25+42	1,71	1,71	1,71	2,87	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	2,01	2,01	2,01	3,37	9,40 (4,20 - 10,60)	4,68	**4,70** A+++	2,01 (0,72 - 2,95)	1005	9,40
25+25+25+50	1,60	1,60	1,60	3,20	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,62 - 2,65)	935	9,00	1,88	1,88	1,88	3,76	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,80 - 2,89)	990	9,30
25+25+25+60	1,48	1,48	1,48	3,56	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,62 - 2,65)	935	9,00	1,74	1,74	1,74	4,18	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,80 - 2,89)	990	9,30
25+25+25+71	1,37	1,37	1,37	3,89	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,61	1,61	1,61	4,57	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,80 - 2,88)	985	9,30
25+25+35+35	1,67	1,67	2,33	2,33	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,96	1,96	2,74	2,74	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,72 - 2,93)	1000	9,40
25+25+35+42	1,57	1,57	2,20	2,66	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,85	1,85	2,59	3,11	9,40 (4,20 - 10,60)	4,72	**4,70** A+++	1,99 (0,72 - 2,92)	995	9,40
25+25+35+50	1,48	1,48	2,07	2,97	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,74	1,74	2,44	3,48	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,81 - 2,87)	985	9,30
25+25+35+60	1,38	1,38	1,93	3,31	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,62	1,62	2,27	3,89	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,81 - 2,87)	985	9,30
25+25+42+42	1,49	1,49	2,51	2,51	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,80)	960	9,20	1,75	1,75	2,95	2,95	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,72 - 2,91)	990	9,30
25+25+42+50	1,41	1,41	2,37	2,81	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,65	1,65	2,78	3,32	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,81 - 2,86)	1000	9,40
25+35+35+35	1,55	2,15	2,15	2,15	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,72)	960	9,20	1,81	2,53	2,53	2,53	9,40 (4,20 - 10,60)	4,75	**4,70** A+++	1,98 (0,75 - 2,90)	990	9,30
25+35+35+42	1,46	2,04	2,04	2,46	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,72)	960	9,20	1,72	2,40	2,40	2,88	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,75 - 2,89)	985	9,30
25+35+35+50	1,38	1,93	1,93	2,76	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,63 - 2,66)	935	9,00	1,62	2,27	2,27	3,24	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,84 - 2,85)	1000	9,40
25+35+42+42	1,39	1,95	2,33	2,33	8,00 (3,00 - 9,20)	4,17	**7,90** A+++	1,92 (0,57 - 2,72)	960	9,20	1,63	2,29	2,74	2,74	9,40 (4,20 - 10,60)	4,77	**4,70** A+++	1,97 (0,76 - 2,88)	985	9,30
35+35+35+35	2,00	2,00	2,00	2,00	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,58 - 2,72)	935	9,00	2,35	2,35	2,35	2,35	9,40 (4,20 - 10,60)	4,70	**4,70** A+++	2,00 (0,76 - 2,87)	1000	9,40
35+35+35+42	1,90	1,90	1,90	2,30	8,00 (3,00 - 9,20)	4,28	**7,90** A+++	1,87 (0,58 - 2,72	935	9,00	2,24	2,24	2,24	2,68	9,40 (4,20 - 10,60	4,70	**4,70** A+++	2,00 (0,76 - 2,86)	1000	9,40

1) Energy Label Scale from A+++ to D.

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
1 Room																						
16	1,60					1,60 (1,30 - 2,30)	4,00		0,40 (0,25 - 0,64)	200	2,00	2,60					2,60 (1,20 - 3,20)	4,33		0,60 (0,30 - 0,96)	300	3,00
20	2,00					2,00 (1,80 - 2,90)	4,00		0,50 (0,34 - 0,81)	250	2,50	3,20					3,20 (1,20 - 4,10)	4,32		0,74 (0,30 - 1,23)	370	3,70
25	2,50					2,50 (1,80 - 2,90)	3,97		0,63 (0,34 - 0,81)	315	3,20	3,60					3,60 (1,20 - 4,30)	3,83		0,94 (0,30 - 1,23)	470	4,70
35	3,50					3,50 (1,80 - 4,10)	3,72		0,94 (0,34 - 1,36)	470	4,50	4,50					4,50 (1,20 - 5,80)	3,66		1,23 (0,30 - 2,10)	615	6,00
42	4,20					4,20 (1,80 - 4,50)	3,07		1,37 (0,34 - 1,99)	685	6,40	5,60					5,60 (1,20 - 6,80)	3,26		1,72 (0,30 - 2,93)	860	8,00
50	5,00					5,00 (1,90 - 5,70)	3,23		1,55 (0,34 - 2,13)	775	7,20	6,80					6,80 (1,20 - 6,90)	3,24		2,10 (0,30 - 2,52)	1050	9,70
60	6,00					6,00 (1,90 - 6,20)	2,96		2,03 (0,34 - 2,33)	1015	9,20	8,50					8,50 (1,30 - 9,00)	3,54		2,40 (0,62 - 2,55)	1200	11,10
71	7,10					7,10 (2,00 - 7,20)	2,81		2,53 (0,37 - 2,77)	1265	11,40	8,70					8,70 (1,40 - 9,20)	3,41		2,55 (0,68 - 2,72)	1275	11,80
2 Rooms																						
16 + 16	1,60	1,60				3,20 (2,40 - 5,80)	4,85	**5,60** A+	0,66 (0,27 - 1,74)	330	3,40	2,35	2,35				4,70 (2,00 - 8,20)	3,88	**3,80** A	1,21 (0,22 - 2,41)	605	5,80
16 + 20	1,60	2,00				3,60 (2,40 - 5,80)	4,56	**5,60** A+	0,79 (0,27 - 1,74)	395	4,00	2,31	2,89				5,20 (2,00 - 8,20)	3,80	**3,80** A	1,37 (0,22 - 2,40)	685	6,50
16 + 25	1,60	2,50				4,10 (2,40 - 5,80)	4,27	**5,60** A+	0,96 (0,27 - 1,74)	480	4,70	2,19	3,41				5,60 (2,00 - 8,20)	3,73	**3,80** A	1,50 (0,22 - 2,40)	750	7,10
16 + 35	1,60	3,50				5,10 (2,40 - 5,80)	3,86	**5,60** A+	1,32 (0,26 - 1,68)	660	6,40	2,01	4,39				6,40 (2,00 - 8,60)	3,79	**3,80** A	1,69 (0,21 - 2,48)	845	8,00
16 + 42	1,60	4,20				5,80 (2,40 - 6,70)	3,56	**5,60** A+	1,63 (0,26 - 2,13)	815	7,90	2,04	5,36				7,40 (2,00 - 10,10)	3,72	**3,80** A	1,99 (0,21 - 3,03)	995	9,40
16 + 50	1,60	5,00				6,60 (2,40 - 7,20)	3,59	**6,10** A+++	1,84 (0,25 - 2,13)	920	8,80	2,06	6,44				8,50 (2,00 - 11,00)	3,86	**4,00** A+	2,20 (0,16 - 3,04)	1100	10,30
16 + 60	1,60	6,00				7,60 (2,40 - 8,60)	3,21	**6,10** A+++	2,37 (0,25 - 3,08)	1185	11,30	2,11	7,89				10,00 (2,00 - 11,00)	3,75	**4,00** A+	2,67 (0,16 - 3,04)	1335	12,50
16 + 71	1,60	7,10				8,70 (2,50 - 9,10)	2,98	**6,10** A+++	2,92 (0,27 - 3,16)	1460	14,00	1,88	8,32				10,20 (2,00 - 13,00)	3,82	**4,00** A+	2,67 (0,16 - 3,83)	1335	12,50
20 + 20	2,00	2,00				4,00 (2,40 - 5,80)	4,35	**5,60** A+	0,92 (0,26 - 1,68)	460	4,50	2,90	2,90				5,80 (2,00 - 8,20)	3,79	**3,80** A	1,53 (0,22 - 2,39)	765	7,30
20 + 25	2,00	2,50				4,50 (2,40 - 5,80)	4,02	**5,60** A+	1,12 (0,26 - 1,68)	560	5,50	2,71	3,39				6,10 (2,00 - 8,20)	3,77	**3,80** A	1,62 (0,22 - 2,39)	810	7,70
20 + 35	2,00	3,50				5,50 (2,40 - 5,80)	3,74	**5,60** A+	1,47 (0,26 - 1,63)	735	7,10	2,51	4,39				6,90 (2,00 - 8,60)	3,81	**3,80** A	1,81 (0,21 - 2,42)	905	8,50
20 + 42	2,00	4,20				6,20 (2,40 - 7,20)	3,37	**5,60** A+	1,84 (0,26 - 2,49)	920	8,80	2,55	5,35				7,90 (2,00 - 11,00)	3,66	**3,80** A	2,16 (0,20 - 3,23)	1080	10,20
20 + 50	2,00	5,00				7,00 (2,40 - 8,10)	3,59	**6,10** A+++	1,95 (0,25 - 2,61)	975	9,30	2,57	6,43				9,00 (2,00 - 11,00)	3,98	**4,00** A+	2,26 (0,16 - 2,98)	1130	10,60
20 + 60	2,00	6,00				8,00 (2,40 - 8,60)	3,14	**6,10** A+++	2,55 (0,25 - 3,01)	1275	12,20	2,60	7,80				10,40 (2,00 - 11,90)	3,88	**4,00** A+	2,68 (0,16 - 3,33)	1340	12,60
20 + 71	1,98	7,02				9,00 (2,50 - 10,00)	2,88	**6,10** A+++	3,12 (0,27 - 4,03)	1560	14,90	2,29	8,11				10,40 (2,00 - 13,00)	3,97	**4,00** A+	2,62 (0,16 - 3,82)	1310	12,30
25 + 25	2,50	2,50				5,00 (2,40 - 5,80)	3,94	**5,60** A+	1,27 (0,26 - 1,68)	635	6,10	3,25	3,25				6,50 (2,00 - 8,60)	3,82	**3,80** A	1,70 (0,22 - 2,50)	850	8,10
25 + 35	2,50	3,50				6,00 (2,40 - 6,70)	3,47	**5,60** A+	1,73 (0,26 - 2,13)	865	8,40	3,04	4,26				7,30 (2,00 - 10,10)	3,76	**3,80** A	1,94 (0,21 - 3,03)	970	9,10
25 + 42	2,50	4,20				6,70 (2,40 - 7,20)	3,15	**5,60** A+	2,13 (0,26 - 2,49)	1065	10,20	3,10	5,20				8,30 (2,00 - 11,00)	3,61	**3,80** A	2,30 (0,20 - 3,23)	1150	10,80
25 + 50	2,50	5,00				7,50 (2,40 - 8,60)	3,33	**6,10** A+++	2,25 (0,25 - 3,01)	1125	10,80	3,13	6,27				9,40 (2,00 - 11,00)	3,84	**4,00** A+	2,45 (0,16 - 2,98)	1225	11,50
25 + 60	2,50	6,00				8,50 (2,50 - 9,10)	2,89	**6,10** A+++	2,94 (0,27 - 3,29)	1470	14,10	3,06	7,34				10,40 (2,00 - 13,00)	3,88	**4,00** A+	2,68 (0,16 - 3,83)	1340	12,60
25 + 71	2,34	6,66				9,00 (2,50 - 10,10)	2,88	**6,10** A+++	3,12 (0,27 - 4,18)	1560	14,90	2,71	7,69				10,40 (2,00 - 13,00)	3,97	**4,00** A+	2,62 (0,16 - 3,82)	1310	12,30
35 + 35	3,50	3,50				7,00 (2,40 - 8,10)	3,11	**5,60** A+	2,25 (0,26 - 3,06)	1125	10,80	4,05	4,05				8,10 (2,00 - 11,00)	3,70	**3,80** A	2,19 (0,20 - 3,22)	1095	10,30
35 + 42	3,50	4,20				7,70 (2,40 - 8,60)	2,88	**5,60** A+	2,67 (0,26 - 3,55)	1335	12,80	4,14	4,96				9,10 (2,00 - 11,00)	3,65	**3,80** A	2,49 (0,20 - 3,16)	1245	11,70
35 + 50	3,50	5,00				8,50 (2,50 - 9,10)	3,02	**6,10** A+++	2,81 (0,27 - 3,16)	1405	13,50	4,20	6,00				10,20 (2,00 - 13,00)	3,94	**4,00** A+	2,59 (0,16 - 3,81)	1295	12,20
35 + 60	3,32	5,68				9,00 (2,50 - 10,10)	2,82	**6,10** A+++	3,19 (0,27 - 4,18)	1595	15,30	3,83	6,57				10,40 (2,00 - 13,00)	3,98	**4,00** A+	2,61 (0,16 - 3,81)	1305	12,30
35 + 71	2,97	6,03				9,00 (2,50 - 10,40)	3,01	**6,10** A+++	2,99 (0,27 - 4,34)	1495	14,30	3,43	6,97				10,40 (2,00 - 13,80)	4,02	**4,00** A+	2,59 (0,16 - 4,14)	1295	12,20
42 + 42	4,20	4,20				8,40 (2,50 - 9,10)	2,51	**5,60** A+	3,34 (0,28 - 3,96)	1670	16,00	5,05	5,05				10,10 (2,00 - 13,00)	3,62	**3,80** A	2,79 (0,19 - 3,99)	1395	13,10
42 + 50	4,11	4,89				9,00 (2,50 - 10,00)	2,88	**6,10** A+++	3,12 (0,27 - 4,03)	1560	14,90	4,75	5,65				10,40 (2,00 - 13,00)	4,00	**4,00** A+	2,60 (0,16 - 3,74)	1300	12,20
42 + 60	3,71	5,29				9,00 (2,50 - 10,40)	2,88	**6,10** A+++	3,12 (0,27 - 4,33)	1560	14,90	4,28	6,12				10,40 (2,00 - 13,80)	4,00	**4,00** A+	2,60 (0,16 - 4,15)	1300	12,20
42 + 71	3,35	5,65				9,00 (2,50 - 10,40)	3,01	**6,10** A+++	2,99 (0,27 - 4,34)	1495	14,30	3,87	6,53				10,40 (2,00 - 13,80)	4,03	**4,00** A+	2,58 (0,16 - 4,13)	1290	12,10
50 + 50	4,50	4,50				9,00 (2,50 - 10,40)	3,38	**6,10** A+++	2,66 (0,26 - 3,61)	1330	12,70	5,20	5,20				10,40 (2,00 - 13,80)	4,28	**4,00** A+	2,43 (0,17 - 3,90)	1215	11,40
50 + 60	4,09	4,91				9,00 (2,50 - 10,40)	3,38	**6,10** A+++	2,66 (0,26 - 3,61)	1330	12,70	4,73	5,67				10,40 (2,00 - 13,80)	4,28	**4,00** A+	2,43 (0,17 - 3,90)	1215	11,40
50 + 71	3,72	5,28				9,00 (2,50 - 10,40)	3,46	**6,10** A+++	2,60 (0,26 - 3,48)	1300	12,40	4,30	6,10				10,40 (2,00 - 13,80)	4,32	**4,00** A+	2,41 (0,17 - 3,89)	1205	11,30
60 + 60	4,50	4,50				9,00 (2,50 - 10,40)	3,38	**6,10** A+++	2,66 (0,26 - 3,61)	1330	12,70	5,20	5,20				10,40 (2,00 - 13,80)	4,28	**4,00** A+	2,43 (0,17 - 3,90)	1215	11,40
60 + 71	4,12	4,88				9,00 (2,50 - 10,40)	3,46	**6,10** A+++	2,60 (0,26 - 3,48)	1300	12,40	4,76	5,64				10,40 (2,00 - 13,80)	4,32	**4,00** A+	2,41 (0,17 - 3,89)	1205	11,30
71 + 71	4,50	4,50				9,00 (2,50 - 10,40)	3,64	**6,10** A+++	2,47 (0,29 - 3,34)	1235	11,80	5,20	5,20				10,40 (2,00 - 13,80)	4,43	**4,00** A+	2,35 (0,18 - 3,87)	1175	11,00
3 Rooms																						
16 + 16 + 16	1,60	1,60	1,60			4,80 (2,90 - 8,50)	4,85	**7,20** A+++	0,99 (0,32 - 2,62)	495	4,90	2,33	2,33	2,33			6,99 (2,70 - 12,30)	4,54	**4,00** A+	1,54 (0,23 - 3,38)	770	7,30
16 + 16 + 20	1,60	1,60	2,00			5,20 (2,90 - 8,50)	4,73	**7,20** A+++	1,10 (0,32 - 2,62)	550	5,40	2,34	2,34	2,92			7,60 (2,70 - 12,30)	4,37	**4,00** A+	1,74 (0,23 - 3,37)	870	8,30
16 + 16 + 25	1,60	1,60	2,50			5,70 (2,90 - 8,50)	4,42	**7,20** A+++	1,29 (0,32 - 2,62)	645	6,20	2,22	2,22	3,46			7,90 (2,70 - 12,30)	4,32	**4,00** A+	1,83 (0,23 - 3,37)	915	8,60
16 + 16 + 35	1,60	1,60	3,50			6,70 (2,90 - 8,50)	4,16	**7,20** A+++	1,61 (0,31 - 2,55)	805	7,80	2,08	2,08	4,54			8,70 (2,70 - 12,30)	4,31	**4,10** A+	2,02 (0,23 - 3,28)	1010	9,50
16 + 16 + 42	1,60	1,60	4,20			7,40 (2,90 - 8,50)	3,79	**7,20** A+++	1,95 (0,34 - 2,49)	975	9,30	2,10	2,10	5,50			9,70 (2,70 - 12,30)	4,06	**4,10** A+	2,39 (0,23 - 3,27)	1195	11,20
16 + 16 + 50	1,60	1,60	5,00			8,20 (2,90 - 8,70)	3,89	**7,20** A+++	2,11 (0,34 - 2,29)	1055	10,10	2,03	2,03	6,34			10,40 (2,70 - 12,90)	4,50	**4,10** A+	2,31 (0,25 - 3,36)	1155	10,90
16 + 16 + 60	1,57	1,57	5,86			9,00 (2,90 - 10,10)	3,64	**7,20** A+++	2,47 (0,34 - 3,00)	1235	11,80	1,81	1,81	6,78			10,40 (2,70 - 13,60)	4,50	**4,20** A+	2,31 (0,25 - 3,70)	1155	10,90
16 + 16 + 71	1,40	1,40	6,20			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,34)	1205	11,50	1,62	1,62	7,16			10,40 (2,70 - 13,60)	4,52	**4,20** A+	2,30 (0,25 - 3,62)	1150	10,80
16 + 20 + 20	1,60	2,00	2,00			5,60 (2,90 - 8,50)	4,52	**7,20** A+++	1,24 (0,31 - 2,55)	620	6,00	2,32	2,89	2,89			8,10 (2,70 - 12,30)	4,33	**4,00** A+	1,87 (0,23 - 3,36)	935	8,80
16 + 20 + 25	1,60	2,00	2,50			6,10 (2,90 - 8,50)	4,21	**7,20** A+++	1,45 (0,31 - 2,55)	725	7,00	2,23	2,79	3,48			8,50 (2,70 - 12,30)	4,15	**4,10** A+	2,05 (0,23 - 3,36)	1025	9,60
16 + 20 + 35	1,60	2,00	3,50			7,10 (2,90 - 8,50)	3,99	**7,20** A+++	1,78 (0,34 - 2,49)	890	8,50	2,10	2,62	4,58			9,30 (2,70 - 12,30)	4,23	**4,10** A+	2,20 (0,23 - 3,27)	1100	10,30
16 + 20 + 42	1,60	2,00	4,20			7,80 (2,90 - 8,50)	3,79	**7,20** A+++	2,06 (0,34 - 2,49)	1030	9,90	2,11	2,64	5,55			10,30 (2,70 - 12,90)	4,26	**4,10** A+	2,42 (0,23 - 3,54)	1210	11,40
16 + 20 + 50	1,60	2,00	5,00			8,60 (2,90 - 9,60)	3,74	**7,20** A+++	2,30 (0,34 - 2,62)	1150	11,00	1,93	2,42	6,05			10,40 (2,70 - 13,60)	4,52	**4,20** A+	2,30 (0,25 - 3,63)	1150	10,80
16 + 20 + 60	1,49	1,88	5,63			9,00 (2,90 - 10,10)	3,73	**7,20** A+++	2,41 (0,34 - 2,94)	1205	11,50	1,73	2,17	6,50			10,40 (2,70 - 13,60)	4,52	**4,20** A+	2,30 (0,25 - 3,63)	1150	10,80
16 + 20 + 71	1,35	1,68	5,97			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	1,56	1,94	6,90			10,40 (2,70 - 13,80)	4,54	**4,20** A+	2,29 (0,25 - 3,73)	1145	10,80
16 + 25 + 25	1,60	2,50	2,50			6,60 (2,90 - 8,50)	3,98	**7,20** A+++	1,66 (0,31 - 2,55)	830	8,00	2,14	3,33	3,33			8,80 (2,70 - 12,30)	4,23	**4,10** A+	2,08 (0,23 - 3,36)	1040	9,80
16 + 25 + 35	1,60	2,50	3,50			7,60 (2,90 - 8,50)	3,69	**7,20** A+++	2,06 (0,34 - 2,49)	1030	9,90	2,02	3,16	4,42			9,60 (2,70 - 12,30)	4,10	**4,10** A+	2,34 (0,23 - 3,27)	1170	11,00
16 + 25 + 42	1,60	2,50	4,20			8,30 (2,90 - 8,70)	3,52	**7,20** A+++	2,36 (0,34 - 2,54)	1180	11,30	2,00	3,13	5,27			10,40 (2,70 - 12,90)	4,23	**4,10** A+	2,46 (0,23 - 3,54)	1230	11,60
16 + 25 + 50	1,58	2,47	4,95			9,00 (2,90 - 10,10)	3,73	**7,20** A+++	2,41 (0,34 - 2,94)	1205	11,50	1,83	2,86	5,71			10,40 (2,70 - 13,60)	4,52	**4,20** A+	2,30 (0,25 - 3,63)	1150	10,80
16 + 25 + 60	1,42	2,23	5,35			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,48)	1205	11,50	1,65	2,57	6,18			10,40 (2,70 - 13,60)	4,52	**4,20** A+	2,30 (0,25 - 3,63)	1150	10,80
16 + 25 + 71	1,28	2,01	5,71			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	1,49	2,32	6,59			10,40 (2,70 - 13,80)	4,54	**4,20** A+	2,29 (0,25 - 3,73)	1145	10,80
16 + 35 + 35	1,60	3,50	3,50			8,60 (2,90 - 9,60)	3,45	**7,20** A+++	2,49 (0,34 - 2,93)	1245	11,90	1,94	4,23	4,23			10,40 (2,70 - 13,60)	4,24	**4,20** A+	2,45 (0,23 - 3,86)	1225	11,50
16 + 35 + 42	1,55	3,39	4,06			9,00 (2,90 - 10,10)	3,38	**7,20** A+++	2,66 (0,34 - 3,33)	1330	12,70	1,79	3,91	4,70			10,40 (2,70 - 13,60)	4,28	**4,20** A+	2,43 (0,24 - 3,85)	1215	11,40
16 + 35 + 50	1,42	3,12	4,46			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,34)	1205	11,50	1,65	3,60	5,15			10,40 (2,70 - 13,60)	4,58	**4,20** A+	2,27 (0,25 - 3,59)	1135	10,70
16 + 35 + 60	1,30	2,84	4,86			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,34)	1205	11,50	1,50	3,28	5,62			10,40 (2,70 - 13,80)	4,58	**4,20** A+	2,27 (0,25 - 3,71)	1135	10,70
16 + 35 + 71	1,18	2,58	5,24			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,20)	1175	11,20	1,36	2,98	6,06			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,69)	1130	10,60
16 + 42 + 42	1,44	3,78	3,78			9,00 (2,90 - 10,70)	3,38	**7,20** A+++	2,66 (0,34 - 3,91)	1330	12,70	1,66	4,37	4,37			10,40 (2,70 - 13,60)	4,30	**4,20** A+	2,42 (0,24 - 3,78)	1210	11,40
16 + 42 + 50	1,33	3,50	4,17			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	1,54	4,04	4,82			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,70)	1130	10,60
16 + 42 + 60	1,22	3,20	4,58			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	1,41	3,70	5,29			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,70)	1130	10,60
16 + 42 + 71	1,12	2,93	4,95			9,00 (2,90 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	1,29	3,39	5,72			10,40 (2,70 - 14,10)	4,62	**4,20** A+	2,25 (0,27 - 3,80)	1125	10,60
16 + 50 + 50	1,24	3,88	3,88			9,00 (2,90 - 10,70)	4,17	**7,20** A+++	2,16 (0,37 - 2,94)	1080	10,30	1,44	4,48	4,48			10,40 (2,70 - 13,80)	4,79	**4,20** A+	2,17 (0,30 - 3,50)	1085	10,20
16 + 50 + 60	1,14	3,57	4,29			9,00 (2,90 - 10,70)	4,17	**7,20** A+++	2,16 (0,37 - 2,94)	1080	10,30	1,32	4,13	4,95			10,40 (2,70 - 13,80)	4,79	**4,20** A+	2,17 (0,30 - 3,50)	1085	10,20
16 + 50 + 71	1,05	3,28	4,67			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	1,21	3,80	5,39			10,40 (2,70 - 14,10)	4,81	**4,20** A+	2,16 (0,31 - 3,65)	1080	10,20
16 + 60 + 60	1,06	3,97	3,97			9,00 (3,00 - 10,70)	4,17	**7,20** A+++	2,16 (0,40 - 2,94)	1080	10,30	1,22	4,59	4,59			10,40 (2,70 - 14,10)	4,79	**4,20** A+	2,17 (0,30 - 3,67)	1085	10,20

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
16+60+71	0,98	3,67	4,35			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	1,13	4,24	5,03			10,40 (2,70 - 14,10)	4,81	**4,20** A+	2,16 (0,31 - 3,65)	1080	10,20
16+71+71	0,92	4,04	4,04			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,40 - 2,81)	1055	10,10	1,06	4,67	4,67			10,40 (2,70 - 14,40)	4,75	**4,20** A+	2,19 (0,32 - 3,75)	1095	10,30
20+20+20	2,00	2,00	2,00			6,00 (2,90 - 8,50)	4,32	**7,20** A+++	1,39 (0,31 - 2,55)	695	6,70	2,86	2,86	2,86			8,58 (2,70 - 12,30)	4,33	**4,10** A+	1,98 (0,23 - 3,35)	990	9,30
20+20+25	2,00	2,00	2,50			6,50 (2,90 - 8,50)	4,06	**7,20** A+++	1,60 (0,31 - 2,55)	800	7,70	2,77	2,77	3,46			9,00 (2,70 - 12,30)	4,25	**4,10** A+	2,12 (0,23 - 3,35)	1060	10,00
20+20+35	2,00	2,00	3,50			7,50 (2,90 - 8,50)	3,85	**7,20** A+++	1,95 (0,34 - 2,49)	975	9,30	2,61	2,61	4,58			9,80 (2,70 - 12,30)	4,12	**4,10** A+	2,38 (0,23 - 3,26)	1190	11,20
20+20+42	2,00	2,00	4,20			8,20 (2,90 - 8,70)	3,57	**7,20** A+++	2,30 (0,34 - 2,54)	1150	11,00	2,54	2,54	5,32			10,40 (2,70 - 12,90)	4,24	**4,10** A+	2,45 (0,23 - 3,53)	1225	11,50
20+20+50	2,00	2,00	5,00			9,00 (2,90 - 9,60)	3,73	**7,20** A+++	2,41 (0,34 - 2,62)	1205	11,50	2,31	2,31	5,78			10,40 (2,70 - 13,60)	4,54	**4,20** A+	2,29 (0,25 - 3,62)	1145	10,80
20+20+60	1,80	1,80	5,40			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,41)	1205	11,50	2,08	2,08	6,24			10,40 (2,70 - 13,60)	4,54	**4,20** A+	2,29 (0,25 - 3,62)	1145	10,80
20+20+71	1,62	1,62	5,76			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	1,87	1,87	6,66			10,40 (2,70 - 13,80)	4,56	**4,20** A+	2,28 (0,25 - 3,71)	1140	10,70
20+25+25	2,00	2,50	2,50			7,00 (2,90 - 8,50)	3,93	**7,20** A+++	1,78 (0,31 - 2,55)	890	8,50	2,68	3,36	3,36			9,40 (2,70 - 12,30)	4,16	**4,10** A+	2,26 (0,23 - 3,35)	1130	10,60
20+25+35	2,00	2,50	3,50			8,00 (2,90 - 8,50)	3,67	**7,20** A+++	2,18 (0,34 - 2,49)	1090	10,40	2,55	3,19	4,46			10,20 (2,70 - 12,90)	4,16	**4,10** A+	2,45 (0,23 - 3,54)	1225	11,50
20+25+42	2,00	2,50	4,20			8,70 (2,90 - 9,60)	3,43	**7,20** A+++	2,54 (0,34 - 3,00)	1270	12,20	2,39	2,99	5,02			10,40 (2,70 - 13,60)	4,24	**4,20** A+	2,45 (0,23 - 3,87)	1225	11,50
20+25+50	1,89	2,37	4,74			9,00 (2,90 - 10,10)	3,73	**7,20** A+++	2,41 (0,34 - 2,94)	1205	11,50	2,19	2,74	5,47			10,40 (2,70 - 13,60)	4,54	**4,20** A+	2,29 (0,25 - 3,62)	1145	10,80
20+25+60	1,71	2,14	5,15			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,41)	1205	11,50	1,98	2,48	5,94			10,40 (2,70 - 13,80)	4,54	**4,20** A+	2,29 (0,25 - 3,73)	1145	10,80
20+25+71	1,55	1,94	5,51			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	1,79	2,24	6,37			10,40 (2,70 - 13,80)	4,56	**4,20** A+	2,28 (0,25 - 3,71)	1140	10,70
20+35+35	2,00	3,50	3,50			9,00 (2,90 - 9,60)	3,38	**7,20** A+++	2,66 (0,34 - 2,93)	1330	12,70	2,32	4,04	4,04			10,40 (2,70 - 13,60)	4,28	**4,20** A+	2,43 (0,24 - 3,85)	1215	11,40
20+35+42	1,85	3,25	3,90			9,00 (2,90 - 10,70)	3,38	**7,20** A+++	2,66 (0,34 - 3,91)	1330	12,70	2,14	3,75	4,51			10,40 (2,70 - 13,60)	4,30	**4,20** A+	2,42 (0,24 - 3,78)	1210	11,40
20+35+50	1,71	3,00	4,29			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	1,98	3,47	4,95			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,70)	1130	10,60
20+35+60	1,56	2,74	4,70			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	1,81	3,17	5,42			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,70)	1130	10,60
20+35+71	1,43	2,50	5,07			9,00 (2,90 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	1,65	2,89	5,86			10,40 (2,70 - 13,80)	4,62	**4,20** A+	2,25 (0,27 - 3,68)	1125	10,60
20+42+42	1,74	3,63	3,63			9,00 (2,90 - 10,70)	3,46	**7,20** A+++	2,60 (0,34 - 3,91)	1300	12,40	2,00	4,20	4,20			10,40 (2,70 - 13,60)	4,32	**4,20** A+	2,41 (0,24 - 3,77)	1205	11,30
20+42+50	1,60	3,38	4,02			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	1,86	3,90	4,64			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,68)	1130	10,60
20+42+60	1,47	3,10	4,43			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	1,70	3,58	5,12			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,68)	1130	10,60
20+42+71	1,35	2,84	4,81			9,00 (2,90 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	1,56	3,28	5,56			10,40 (2,70 - 14,10)	4,64	**4,20** A+	2,24 (0,27 - 3,78)	1120	10,50
20+50+50	1,50	3,75	3,75			9,00 (2,90 - 10,70)	4,17	**7,20** A+++	2,16 (0,37 - 2,94)	1080	10,30	1,74	4,33	4,33			10,40 (2,70 - 13,80)	4,81	**4,20** A+	2,16 (0,31 - 3,48)	1080	10,20
20+50+60	1,38	3,46	4,16			9,00 (2,90 - 10,70)	4,17	**7,20** A+++	2,16 (0,37 - 2,94)	1080	10,30	1,60	4,00	4,80			10,40 (2,70 - 14,10)	4,81	**4,20** A+	2,16 (0,31 - 3,65)	1080	10,20
20+50+71	1,28	3,19	4,53			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	1,48	3,69	5,23			10,40 (2,70 - 14,10)	4,75	**4,20** A+	2,19 (0,32 - 3,64)	1095	10,30
20+60+60	1,28	3,86	3,86			9,00 (3,00 - 10,70)	4,17	**7,20** A+++	2,16 (0,40 - 2,94)	1080	10,30	1,48	4,46	4,46			10,40 (2,70 - 14,10)	4,81	**4,20** A+	2,16 (0,31 - 3,65)	1080	10,20
20+60+71	1,19	3,58	4,23			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	1,38	4,13	4,89			10,40 (2,70 - 14,40)	4,75	**4,20** A+	2,19 (0,32 - 3,75)	1095	10,30
20+71+71	1,12	3,94	3,94			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,41 - 2,81)	1055	10,10	1,28	4,56	4,56			10,40 (2,70 - 14,40)	4,77	**4,20** A+	2,18 (0,33 - 3,74)	1090	10,20
25+25+25	2,50	2,50	2,50			7,50 (2,90 - 8,50)	3,73	**7,20** A+++	2,01 (0,31 - 2,55)	1005	9,60	3,23	3,23	3,23			9,69 (2,70 - 12,30)	4,02	**4,10** A+	2,41 (0,23 - 3,35)	1205	11,30
25+25+35	2,50	2,50	3,50			8,50 (2,90 - 9,60)	3,41	**7,20** A+++	2,49 (0,34 - 3,00)	1245	11,90	3,06	3,06	4,28			10,40 (2,70 - 13,60)	4,23	**4,20** A+	2,46 (0,23 - 3,89)	1230	11,60
25+25+42	2,45	2,45	4,10			9,00 (2,90 - 10,10)	3,30	**7,20** A+++	2,73 (0,34 - 3,40)	1365	13,10	2,83	2,83	4,74			10,40 (2,70 - 13,60)	4,24	**4,20** A+	2,45 (0,23 - 3,87)	1225	11,50
25+25+50	2,25	2,25	4,50			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,41)	1205	11,50	2,60	2,60	5,20			10,40 (2,70 - 13,60)	4,54	**4,20** A+	2,29 (0,25 - 3,62)	1145	10,80
25+25+60	2,05	2,05	4,90			9,00 (2,90 - 10,70)	3,73	**7,20** A+++	2,41 (0,34 - 3,41)	1205	11,50	2,36	2,36	5,68			10,40 (2,70 - 13,80)	4,54	**4,20** A+	2,29 (0,25 - 3,73)	1145	10,80
25+25+71	1,86	1,86	5,28			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	2,15	2,15	6,10			10,40 (2,70 - 13,80)	4,56	**4,20** A+	2,28 (0,25 - 3,71)	1140	10,70
25+35+35	2,36	3,32	3,32			9,00 (2,90 - 10,10)	3,38	**7,20** A+++	2,66 (0,34 - 3,33)	1330	12,70	2,74	3,83	3,83			10,40 (2,70 - 13,60)	4,28	**4,20** A+	2,43 (0,24 - 3,85)	1215	11,40
25+35+42	2,20	3,09	3,71			9,00 (2,90 - 10,70)	3,38	**7,20** A+++	2,66 (0,34 - 3,91)	1330	12,70	2,55	3,57	4,28			10,40 (2,70 - 13,60)	4,30	**4,20** A+	2,42 (0,24 - 3,78)	1210	11,40
25+35+50	2,05	2,86	4,09			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	2,36	3,31	4,73			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,70)	1130	10,60
25+35+60	1,87	2,63	4,50			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,34)	1175	11,20	2,17	3,03	5,20			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,70)	1130	10,60
25+35+71	1,72	2,40	4,88			9,00 (2,90 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	1,98	2,78	5,64			10,40 (2,70 - 14,10)	4,62	**4,20** A+	2,25 (0,27 - 3,80)	1125	10,60
25+42+42	2,06	3,47	3,47			9,00 (2,90 - 10,70)	3,46	**7,20** A+++	2,60 (0,34 - 3,91)	1300	12,40	2,38	4,01	4,01			10,40 (2,70 - 13,80)	4,32	**4,20** A+	2,41 (0,24 - 3,89)	1205	11,30
25+42+50	1,92	3,23	3,85			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	2,22	3,73	4,45			10,40 (2,70 - 13,80)	4,60	**4,20** A+	2,26 (0,27 - 3,68)	1130	10,60
25+42+60	1,77	2,98	4,25			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,27)	1175	11,20	2,05	3,44	4,91			10,40 (2,70 - 14,10)	4,60	**4,20** A+	2,26 (0,27 - 3,80)	1130	10,60
25+42+71	1,63	2,74	4,63			9,00 (3,00 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	1,88	3,17	5,35			10,40 (2,70 - 14,10)	4,64	**4,20** A+	2,24 (0,27 - 3,78)	1120	10,50
25+50+50	1,80	3,60	3,60			9,00 (2,90 - 10,70)	4,17	**7,20** A+++	2,16 (0,37 - 2,94)	1080	10,30	2,08	4,16	4,16			10,40 (2,70 - 13,80)	4,81	**4,20** A+	2,16 (0,31 - 3,48)	1080	10,20
25+50+60	1,67	3,33	4,00			9,00 (3,00 - 10,70)	4,17	**7,20** A+++	2,16 (0,40 - 2,94)	1080	10,30	1,93	3,85	4,62			10,40 (2,70 - 14,10)	4,81	**4,20** A+	2,16 (0,31 - 3,65)	1080	10,20
25+50+71	1,54	3,08	4,38			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	1,78	3,56	5,06			10,40 (2,70 - 14,10)	4,75	**4,20** A+	2,19 (0,32 - 3,64)	1095	10,30
25+60+60	1,56	3,72	3,72			9,00 (3,00 - 10,70)	4,17	**7,20** A+++	2,16 (0,40 - 2,94)	1080	10,30	1,80	4,30	4,30			10,40 (2,70 - 14,10)	4,81	**4,20** A+	2,16 (0,31 - 3,65)	1080	10,20
25+60+71	1,44	3,46	4,10			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	1,67	4,00	4,73			10,40 (2,70 - 14,40)	4,75	**4,20** A+	2,19 (0,32 - 3,75)	1095	10,30
25+71+71	1,34	3,83	3,83			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,41 - 2,81)	1055	10,10	1,56	4,42	4,42			10,40 (2,70 - 14,40)	4,77	**4,20** A+	2,18 (0,33 - 3,74)	1090	10,20
35+35+35	3,00	3,00	3,00			9,00 (2,90 - 10,70)	3,46	**7,20** A+++	2,60 (0,34 - 3,83)	1300	12,40	3,46	3,46	3,46			10,38 (2,70 - 13,80)	4,40	**4,20** A+	2,36 (0,24 - 3,88)	1180	11,10
35+35+42	2,81	2,81	3,38			9,00 (2,90 - 10,70)	3,46	**7,20** A+++	2,60 (0,34 - 3,76)	1300	12,40	3,25	3,25	3,90			10,40 (2,70 - 13,80)	4,43	**4,20** A+	2,35 (0,24 - 3,87)	1175	11,00
35+35+50	2,63	2,63	3,74			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,20)	1175	11,20	3,03	3,03	4,34			10,40 (2,70 - 13,80)	4,64	**4,20** A+	2,24 (0,27 - 3,66)	1120	10,50
35+35+60	2,42	2,42	4,16			9,00 (2,90 - 10,70)	3,83	**7,20** A+++	2,35 (0,34 - 3,20)	1175	11,20	2,80	2,80	4,80			10,40 (2,70 - 14,10)	4,64	**4,20** A+	2,24 (0,27 - 3,78)	1120	10,50
35+35+71	2,23	2,23	4,54			9,00 (3,00 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,14)	1140	10,90	2,58	2,58	5,24			10,40 (2,70 - 14,10)	4,66	**4,20** A+	2,23 (0,27 - 3,76)	1115	10,50
35+42+42	2,64	3,18	3,18			9,00 (2,90 - 10,70)	3,56	**7,20** A+++	2,53 (0,34 - 3,76)	1265	12,10	3,06	3,67	3,67			10,40 (2,70 - 13,80)	4,44	**4,20** A+	2,34 (0,25 - 3,85)	1170	11,00
35+42+50	2,48	2,98	3,54			9,00 (2,90 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	2,87	3,44	4,09			10,40 (2,70 - 14,10)	4,66	**4,20** A+	2,23 (0,27 - 3,77)	1115	10,50
35+42+60	2,30	2,76	3,94			9,00 (3,00 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	2,66	3,19	4,55			10,40 (2,70 - 14,10)	4,66	**4,20** A+	2,23 (0,27 - 3,77)	1115	10,50
35+42+71	2,13	2,55	4,32			9,00 (3,00 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,14)	1140	10,90	2,46	2,95	4,99			10,40 (2,70 - 14,10)	4,68	**4,20** A+	2,22 (0,28 - 3,75)	1110	10,40
35+50+50	2,34	3,33	3,33			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	2,70	3,85	3,85			10,40 (2,70 - 14,10)	4,77	**4,20** A+	2,18 (0,33 - 3,62)	1090	10,20
35+50+60	2,17	3,10	3,73			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	2,51	3,59	4,30			10,40 (2,70 - 14,10)	4,77	**4,20** A+	2,18 (0,33 - 3,62)	1090	10,20
35+50+71	2,02	2,88	4,10			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,40 - 2,81)	1055	10,10	2,33	3,33	4,74			10,40 (2,70 - 14,40)	4,79	**4,20** A+	2,17 (0,33 - 3,72)	1085	10,20
35+60+60	2,04	3,48	3,48			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	2,34	4,03	4,03			10,40 (2,70 - 14,40)	4,77	**4,20** A+	2,18 (0,33 - 3,74)	1090	10,20
35+60+71	1,90	3,25	3,85			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,40 - 2,81)	1055	10,10	2,19	3,76	4,45			10,40 (2,70 - 14,40)	4,79	**4,20** A+	2,17 (0,33 - 3,72)	1085	10,20
35+71+71	1,78	3,61	3,61			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,43 - 2,81)	1055	10,10	2,06	4,17	4,17			10,40 (2,70 - 14,40)	4,81	**4,20** A+	2,16 (0,34 - 3,70)	1080	10,20
42+42+42	3,00	3,00	3,00			9,00 (2,90 - 10,70)	3,56	**7,20** A+++	2,53 (0,34 - 3,69)	1265	12,10	3,46	3,46	3,46			10,38 (2,70 - 13,80)	4,45	**4,20** A+	2,33 (0,25 - 3,78)	1165	10,90
42+42+50	2,82	2,82	3,36			9,00 (2,90 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	3,26	3,26	3,88			10,40 (2,70 - 14,10)	4,68	**4,20** A+	2,22 (0,28 - 3,75)	1110	10,40
42+42+60	2,63	2,63	3,74			9,00 (3,00 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,20)	1140	10,90	3,03	3,03	4,34			10,40 (2,70 - 14,10)	4,68	**4,20** A+	2,22 (0,28 - 3,75)	1110	10,40
42+42+71	2,44	2,44	4,12			9,00 (3,00 - 10,70)	3,95	**7,20** A+++	2,28 (0,37 - 3,07)	1140	10,90	2,82	2,82	4,76			10,40 (2,70 - 14,40)	4,71	**4,20** A+	2,21 (0,28 - 3,85)	1105	10,40
42+50+50	2,66	3,17	3,17			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	3,08	3,66	3,66			10,40 (2,70 - 14,10)	4,77	**4,20** A+	2,18 (0,33 - 3,61)	1090	10,20
42+50+60	2,49	2,96	3,55			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	2,87	3,42	4,11			10,40 (2,70 - 14,40)	4,77	**4,20** A+	2,18 (0,33 - 3,72)	1090	10,20
42+50+71	2,32	2,76	3,92			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,41 - 2,81)	1055	10,10	2,68	3,19	4,53			10,40 (2,70 - 14,40)	4,79	**4,20** A+	2,17 (0,34 - 3,71)	1085	10,20
42+60+60	2,34	3,33	3,33			9,00 (3,00 - 10,70)	4,15	**7,20** A+++	2,17 (0,40 - 2,87)	1085	10,40	2,70	3,85	3,85			10,40 (2,70 - 14,40)	4,77	**4,20** A+	2,18 (0,33 - 3,72)	1090	10,20
42+60+71	2,18	3,12	3,70			9,00 (3,00 - 10,70)	4,27	**7,20** A+++	2,11 (0,41 - 2,81)	1055	10,10	2,52	3,61	4,27			10,40 (2,70 - 14,40)	4,79	**4,20** A+	2,17 (0,34 - 3,71)	1085	10,20
50+50+50	3,00	3,00	3,00			9,00 (3,00 - 10,70)	4,37	**7,20** A+++	2,06 (0,44 - 2,68)	1030	9,90	3,46	3,46	3,46			10,38 (2,70 - 14,40)	4,83	**4,20** A+	2,15 (0,40 - 3,64)	1075	10,10
50+50+60	2,81	2,81	3,38			9,00 (3,00 - 10,70)	4,37	**7,20** A+++	2,06 (0,44 - 2,68)	1030	9,90	3,25	3,25	3,90			10,40 (2,70 - 14,40)	4,84	**4,20** A+	2,15 (0,40 - 3,64)	1075	10,10
50+50+71	2,63	2,63	3,74			9,00 (3,00 - 10,70)	4,37	**7,20** A+++	2,06 (0,47 - 2,69)	1030	9,90	3,04	3,04	4,32			10,40 (2,70 - 14,40)	4,86	**4,20** A+	2,14 (0,41 - 3,63)	1070	10,10
50+60+60	2,64	3,18	3,18			9,00 (3,00 - 10,70)	4,37	**7,20** A+++	2,06 (0,44 - 2,68)	1030	9,90	3,06	3,67	3,67			10,40 (2,70 - 14,40)	4,84	**4,20** A+	2,15 (0,40 - 3,64)	1075	10,10
50+60+71	2,49	2,98	3,53			9,00 (3,00 - 10,70)	4,37	**7,20** A+++	2,06 (0,47 - 2,69)	1030	9,90	2,87	3,45	4,08			10,40 (2,70 - 14,40)	4,86	**4,20** A+	2,14 (0,41 - 3,63)	1070	10,10
60+60+60	3,00	3,00	3,00			9,00 (3,00 - 10,70)	4,37	**7,20** A+++	2,06 (0,44 - 2,68)	1030	9,90	3,46	3,46	3,46			10,38 (2,70 - 14,40)	4,83	**4,20** A+	2,15 (0,40 - 3,64)	1075	10,10

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
4 Rooms																						
16+16+16+16	1,60	1,60	1,60	1,60		6,40 (2,90 - 10,60)	4,57	**8,50** A+++	1,40 (0,37 - 3,48)	700	6,80	2,35	2,35	2,35	2,35		9,40 (3,40 - 14,20)	4,54	**4,10** A+	2,07 (0,34 - 3,84)	1035	9,70
16+16+16+20	1,60	1,60	1,60	2,00		6,80 (2,90 - 10,60)	4,42	**8,50** A+++	1,54 (0,37 - 3,48)	770	7,40	2,33	2,33	2,33	2,91		9,90 (3,40 - 14,20)	4,50	**4,10** A+	2,20 (0,34 - 3,83)	1100	10,30
16+16+16+25	1,60	1,60	1,60	2,50		7,30 (2,90 - 10,60)	4,29	**8,00** A+++	1,70 (0,37 - 3,48)	850	8,20	2,26	2,26	2,26	3,52		10,30 (3,40 - 14,20)	4,70	**4,20** A+	2,19 (0,34 - 3,83)	1095	10,30
16+16+16+35	1,60	1,60	1,60	3,50		8,30 (2,90 - 10,60)	3,97	**8,00** A+++	2,09 (0,37 - 3,40)	1045	10,00	2,00	2,00	2,00	4,40		10,40 (3,40 - 14,20)	4,71	**4,20** A+	2,21 (0,34 - 3,80)	1105	10,40
16+16+16+42	1,60	1,60	1,60	4,20		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,40)	1190	11,40	1,85	1,85	1,85	4,85		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,78)	1100	10,30
16+16+16+50	1,47	1,47	1,47	4,59		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,11)	1125	10,80	1,70	1,70	1,70	5,30		10,40 (3,40 - 14,20)	4,81	**4,40** A+	2,16 (0,39 - 3,64)	1080	10,20
16+16+16+60	1,33	1,33	1,33	5,01		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,11)	1125	10,80	1,54	1,54	1,54	5,78		10,40 (3,40 - 14,20)	4,81	**4,40** A+	2,16 (0,39 - 3,64)	1080	10,20
16+16+16+71	1,21	1,21	1,21	5,37		9,00 (2,90 - 10,60)	3,98	**8,00** A+++	2,26 (0,41 - 3,04)	1130	10,80	1,40	1,40	1,40	6,20		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+16+20+20	1,60	1,60	2,00	2,00		7,20 (2,90 - 10,60)	4,36	**8,00** A+++	1,65 (0,37 - 3,40)	825	8,00	2,31	2,31	2,89	2,89		10,40 (3,40 - 14,20)	4,66	**4,20** A+	2,23 (0,34 - 3,82)	1115	10,50
16+16+20+25	1,60	1,60	2,00	2,50		7,70 (2,90 - 10,60)	4,16	**8,00** A+++	1,85 (0,37 - 3,40)	925	8,90	2,16	2,16	2,70	3,38		10,40 (3,40 - 14,20)	4,66	**4,20** A+	2,23 (0,34 - 3,82)	1115	10,50
16+16+20+35	1,60	1,60	2,00	3,50		8,70 (2,90 - 10,60)	3,87	**8,00** A+++	2,25 (0,37 - 3,33)	1125	10,80	1,91	1,91	2,39	4,19		10,40 (3,40 - 14,20)	4,73	**4,20** A+	2,20 (0,34 - 3,78)	1100	10,30
16+16+20+42	1,53	1,53	1,91	4,03		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,77	1,77	2,21	4,65		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,77)	1100	10,30
16+16+20+50	1,41	1,41	1,76	4,42		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,11)	1125	10,80	1,63	1,63	2,04	5,10		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,63)	1075	10,10
16+16+20+60	1,29	1,29	1,60	4,82		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,11)	1125	10,80	1,49	1,49	1,86	5,56		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,63)	1075	10,10
16+16+20+71	1,17	1,17	1,46	5,20		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,35	1,35	1,69	6,01		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,61)	1075	10,10
16+16+25+25	1,60	1,60	2,50	2,50		8,20 (2,90 - 10,60)	4,04	**8,00** A+++	2,03 (0,37 - 3,40)	1015	9,70	2,03	2,03	3,17	3,17		10,40 (3,40 - 14,20)	4,66	**4,20** A+	2,23 (0,34 - 3,82)	1115	10,50
16+16+25+35	1,57	1,57	2,44	3,42		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,81	1,81	2,83	3,95		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,78)	1100	10,30
16+16+25+42	1,45	1,45	2,27	3,83		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,68	1,68	2,63	4,41		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,77)	1100	10,30
16+16+25+50	1,35	1,35	2,09	4,21		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,11)	1125	10,80	1,56	1,56	2,43	4,85		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,63)	1075	10,10
16+16+25+60	1,23	1,23	1,92	4,62		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,11)	1125	10,80	1,42	1,42	2,22	5,34		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,63)	1075	10,10
16+16+25+71	1,13	1,13	1,75	4,99		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,30	1,30	2,03	5,77		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,40 - 3,67)	1075	10,10
16+16+35+35	1,41	1,41	3,09	3,09		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,63	1,63	3,57	3,57		10,40 (3,40 - 14,20)	4,77	**4,40** A+	2,18 (0,36 - 3,75)	1090	10,20
16+16+35+42	1,32	1,32	2,89	3,47		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,53	1,53	3,34	4,00		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,36 - 3,68)	1085	10,20
16+16+35+50	1,23	1,23	2,69	3,85		9,00 (2,90 - 10,60)	3,98	**8,00** A+++	2,26 (0,41 - 3,04)	1130	10,80	1,42	1,42	3,11	4,45		10,40 (3,40 - 14,20)	4,86	**4,40** A+	2,14 (0,42 - 3,59)	1070	10,10
16+16+35+60	1,13	1,13	2,48	4,26		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,31	1,31	2,87	4,91		10,40 (3,40 - 14,20)	4,86	**4,40** A+	2,14 (0,42 - 3,59)	1070	10,10
16+16+35+71	1,04	1,04	2,28	4,64		9,00 (2,90 - 10,80)	4,09	**8,00** A+++	2,20 (0,44 - 3,11)	1100	10,50	1,21	1,21	2,64	5,34		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,42 - 3,64)	1065	10,00
16+16+42+42	1,24	1,24	3,26	3,26		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,43	1,43	3,77	3,77		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,37 - 3,66)	1085	10,20
16+16+42+50	1,16	1,16	3,05	3,63		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,34	1,34	3,52	4,20		10,40 (3,40 - 14,20)	4,88	**4,40** A+	2,13 (0,42 - 3,58)	1065	10,00
16+16+42+60	1,07	1,07	2,82	4,04		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,24	1,24	3,26	4,66		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,42 - 3,64)	1065	10,00
16+16+42+71	0,99	0,99	2,61	4,41		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,15	1,15	3,01	5,09		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,62)	1080	10,20
16+16+50+50	1,09	1,09	3,41	3,41		9,00 (2,90 - 10,80)	4,07	**8,00** A+++	2,21 (0,48 - 2,98)	1105	10,60	1,26	1,26	3,94	3,94		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,49 - 3,57)	1080	10,20
16+16+50+60	1,01	1,01	3,17	3,81		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,48 - 3,12)	1105	10,60	1,17	1,17	3,66	4,40		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,49 - 3,57)	1080	10,20
16+16+50+71	0,94	0,94	2,94	4,18		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,52 - 3,12)	1105	10,60	1,09	1,09	3,40	4,82		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,55)	1075	10,10
16+16+60+60	0,95	0,95	3,55	3,55		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,48 - 3,12)	1105	10,60	1,09	1,09	4,11	4,11		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,49 - 3,57)	1080	10,20
16+16+60+71	0,88	0,88	3,31	3,93		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,02	1,02	3,83	4,53		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,55)	1075	10,10
16+16+71+71	0,83	0,83	3,67	3,67		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	0,96	0,96	4,24	4,24		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,51 - 3,60)	1070	10,10
16+20+20+20	1,60	2,00	2,00	2,00		7,60 (2,90 - 10,60)	4,18	**8,00** A+++	1,82 (0,37 - 3,40)	910	8,70	2,18	2,74	2,74	2,74		10,40 (3,40 - 14,20)	4,68	**4,20** A+	2,22 (0,34 - 3,81)	1110	10,40
16+20+20+25	1,60	2,00	2,00	2,50		8,10 (2,90 - 10,60)	4,11	**8,00** A+++	1,97 (0,37 - 3,40)	985	9,40	2,05	2,57	2,57	3,21		10,40 (3,40 - 14,20)	4,68	**4,20** A+	2,22 (0,34 - 3,81)	1110	10,40
16+20+20+35	1,58	1,98	1,98	3,46		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,83	2,29	2,29	3,99		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,77)	1100	10,30
16+20+20+42	1,46	1,84	1,84	3,86		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,70	2,12	2,12	4,46		10,40 (3,40 - 14,20)	4,75	**4,40** A+	2,19 (0,35 - 3,76)	1095	10,30
16+20+20+50	1,35	1,70	1,70	4,25		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,04)	1125	10,80	1,57	1,96	1,96	4,91		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+20+20+60	1,24	1,55	1,55	4,66		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,04)	1125	10,80	1,43	1,79	1,79	5,39		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+20+20+71	1,13	1,42	1,42	5,03		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,31	1,64	1,64	5,81		10,40 (3,40 - 14,20)	4,86	**4,40** A+	2,14 (0,42 - 3,60)	1070	10,10
16+20+25+25	1,60	2,00	2,50	2,50		8,60 (2,90 - 10,60)	3,89	**8,00** A+++	2,21 (0,37 - 3,40)	1105	10,60	1,93	2,43	3,02	3,02		10,40 (3,40 - 14,20)	4,68	**4,20** A+	2,22 (0,34 - 3,81)	1110	10,40
16+20+25+35	1,50	1,88	2,34	3,28		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,73	2,17	2,71	3,79		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,77)	1100	10,30
16+20+25+42	1,40	1,75	2,18	3,67		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,62	2,02	2,52	4,24		10,40 (3,40 - 14,20)	4,75	**4,40** A+	2,19 (0,35 - 3,76)	1095	10,30
16+20+25+50	1,30	1,62	2,03	4,05		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,04)	1125	10,80	1,50	1,87	2,34	4,69		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+20+25+60	1,19	1,49	1,86	4,46		9,00 (2,90 - 10,80)	4,00	**8,00** A+++	2,25 (0,41 - 3,18)	1125	10,80	1,38	1,72	2,15	5,15		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+20+25+71	1,09	1,36	1,70	4,85		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,26	1,58	1,97	5,59		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,42 - 3,66)	1070	10,10
16+20+35+35	1,36	1,70	2,97	2,97		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,57	1,97	3,43	3,43		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,36 - 3,68)	1085	10,20
16+20+35+42	1,27	1,59	2,79	3,35		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,47	1,84	3,22	3,87		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,37 - 3,66)	1085	10,20
16+20+35+50	1,19	1,49	2,60	3,72		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,38	1,72	3,01	4,29		10,40 (3,40 - 14,20)	4,88	**4,40** A+	2,13 (0,42 - 3,58)	1065	10,00
16+20+35+60	1,10	1,37	2,40	4,13		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,27	1,59	2,78	4,76		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,42 - 3,64)	1065	10,00
16+20+35+71	1,01	1,27	2,22	4,50		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,17	1,46	2,56	5,21		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,62)	1080	10,20
16+20+42+42	1,20	1,50	3,15	3,15		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,39	1,73	3,64	3,64		10,40 (3,40 - 14,20)	4,81	**4,40** A+	2,16 (0,37 - 3,65)	1080	10,20
16+20+42+50	1,12	1,41	2,95	3,52		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,30	1,63	3,41	4,06		10,40 (3,40 - 14,40)	4,91	**4,40** A+	2,12 (0,42 - 3,63)	1060	10,00
16+20+42+60	1,04	1,30	2,74	3,92		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,21	1,51	3,17	4,51		10,40 (3,40 - 14,40)	4,91	**4,40** A+	2,12 (0,42 - 3,63)	1060	10,00
16+20+42+71	0,96	1,21	2,54	4,29		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,19)	1100	10,50	1,12	1,40	2,93	4,95		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,61)	1080	10,20
16+20+50+50	1,06	1,32	3,31	3,31		9,00 (2,90 - 10,80)	4,07	**8,00** A+++	2,21 (0,49 - 2,98)	1105	10,60	1,22	1,54	3,82	3,82		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,50 - 3,56)	1075	10,10
16+20+50+60	0,99	1,23	3,08	3,70		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,49 - 3,12)	1105	10,60	1,14	1,42	3,56	4,28		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,50 - 3,56)	1075	10,10
16+20+50+71	0,91	1,15	2,87	4,07		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,52 - 3,05)	1105	10,60	1,06	1,32	3,31	4,71		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,60)	1075	10,10
16+20+60+60	0,92	1,16	3,46	3,46		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,49 - 3,12)	1105	10,60	1,07	1,33	4,00	4,00		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,50 - 3,56)	1075	10,10
16+20+60+71	0,86	1,08	3,23	3,83		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,00	1,25	3,74	4,41		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,60)	1075	10,10
16+20+71+71	0,81	1,01	3,59	3,59		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,53 - 3,20)	1080	10,30	0,93	1,17	4,15	4,15		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,52 - 3,59)	1090	10,20
16+25+25+25	1,59	2,47	2,47	2,47		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,40)	1190	11,40	1,82	2,86	2,86	2,86		10,40 (3,40 - 14,20)	4,68	**4,40** A+	2,22 (0,34 - 3,81)	1110	10,40
16+25+25+35	1,42	2,23	2,23	3,12		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,65	2,57	2,57	3,61		10,40 (3,40 - 14,20)	4,73	**4,40** A+	2,20 (0,34 - 3,77)	1100	10,30
16+25+25+42	1,33	2,08	2,08	3,51		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	1,54	2,41	2,41	4,04		10,40 (3,40 - 14,20)	4,75	**4,40** A+	2,19 (0,35 - 3,76)	1095	10,30
16+25+25+50	1,24	1,94	1,94	3,88		9,00 (2,90 - 10,60)	4,00	**8,00** A+++	2,25 (0,41 - 3,04)	1125	10,80	1,43	2,24	2,24	4,49		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+25+25+60	1,13	1,79	1,79	4,29		9,00 (2,90 - 10,80)	4,00	**8,00** A+++	2,25 (0,41 - 3,18)	1125	10,80	1,32	2,06	2,06	4,96		10,40 (3,40 - 14,20)	4,84	**4,40** A+	2,15 (0,40 - 3,62)	1075	10,10
16+25+25+71	1,05	1,64	1,64	4,67		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,21	1,90	1,90	5,39		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,42 - 3,66)	1070	10,10
16+25+35+35	1,29	2,03	2,84	2,84		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,50	2,34	3,28	3,28		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,36 - 3,68)	1085	10,20
16+25+35+42	1,22	1,91	2,67	3,20		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	1,41	2,20	3,08	3,71		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,37 - 3,66)	1085	10,20
16+25+35+50	1,14	1,79	2,50	3,57		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,32	2,06	2,89	4,13		10,40 (3,40 - 14,20)	4,88	**4,40** A+	2,13 (0,42 - 3,58)	1065	10,00
16+25+35+60	1,06	1,65	2,32	3,97		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,41 - 3,18)	1130	10,80	1,22	1,91	2,68	4,59		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,42 - 3,64)	1065	10,00
16+25+35+71	0,98	1,53	2,14	4,35		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,13	1,77	2,48	5,02		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,62)	1080	10,20
16+25+42+42	1,15	1,81	3,02	3,02		9,00 (2,90 - 10,80)	3,90	**8,00** A+++	2,31 (0,37 - 3,40)	1155	11,10	1,33	2,09	3,49	3,49		10,40 (3,40 - 14,20)	4,81	**4,40** A+	2,16 (0,37 - 3,65)	1080	10,20
16+25+42+50	1,08	1,69	2,84	3,39		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,25	1,95	3,28	3,92		10,40 (3,40 - 14,40)	4,91	**4,40** A+	2,12 (0,42 - 3,63)	1060	10,00
16+25+42+60	1,01	1,57	2,64	3,78		9,00 (3,00 - 11,00)	3,98	**8,00** A+++	2,26 (0,44 - 3,26)	1130	10,80	1,16	1,82	3,05	4,37		10,40 (3,40 - 14,40)	4,91	**4,40** A+	2,12 (0,42 - 3,63)	1060	10,00
16+25+42+71	0,94	1,46	2,45	4,15		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,19)	1100	10,50	1,08	1,69	2,84	4,79		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,61)	1080	10,20
16+25+50+50	1,02	1,60	3,19	3,19		9,00 (2,90 - 10,80)	4,07	**8,00** A+++	2,21 (0,49 - 2,98)	1105	10,60	1,18	1,84	3,69	3,69		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,50 - 3,56)	1075	10,10

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
16+25+50+60	0,95	1,49	2,98	3,58		9,00 (3,00 - 11,00)	4,07	8,00 A++	2,21 (0,49 - 3,12)	1105	10,60	1,10	1,72	3,44	4,14		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,50 - 3,56)	1075	10,10
16+25+50+71	0,89	1,39	2,78	3,94		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	1,03	1,60	3,21	4,56		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
16+25+60+60	0,89	1,41	3,35	3,35		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,49 - 3,19)	1105	10,60	1,03	1,61	3,88	3,88		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,50 - 3,56)	1075	10,10
16+25+60+71	0,83	1,31	3,14	3,72		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	0,97	1,51	3,63	4,29		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
16+25+71+71	0,79	1,23	3,49	3,49		9,00 (3,00 - 11,20)	4,17	8,00 A++	2,16 (0,53 - 3,20)	1080	10,30	0,91	1,43	4,03	4,03		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
16+35+35+35	1,20	2,60	2,60	2,60		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,38 - 3,33)	1155	11,10	1,37	3,01	3,01	3,01		10,40 (3,40 - 14,20)	4,84	4,40 A+	2,15 (0,37 - 3,64)	1075	10,10
16+35+35+42	1,13	2,46	2,46	2,95		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,40 - 3,33)	1155	11,10	1,30	2,84	2,84	3,42		10,40 (3,40 - 14,40)	4,75	4,40 A+	2,19 (0,37 - 3,75)	1095	10,30
16+35+35+50	1,05	2,32	2,32	3,31		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,22	2,68	2,68	3,82		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,61)	1080	10,20
16+35+35+60	0,98	2,16	2,16	3,70		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,26)	1100	10,50	1,14	2,49	2,49	4,28		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,61)	1080	10,20
16+35+35+71	0,91	2,01	2,01	4,07		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,47 - 3,19)	1100	10,50	1,06	2,32	2,32	4,70		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,65)	1075	10,10
16+35+42+42	1,07	2,33	2,80	2,80		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,40 - 3,33)	1155	11,10	1,22	2,70	3,24	3,24		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,37 - 3,73)	1090	10,20
16+35+42+50	1,01	2,20	2,64	3,15		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,26)	1100	10,50	1,16	2,55	3,05	3,64		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,65)	1075	10,10
16+35+42+60	0,94	2,06	2,47	3,53		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,26)	1100	10,50	1,09	2,38	2,85	4,08		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,65)	1075	10,10
16+35+42+71	0,88	1,92	2,30	3,90		9,00 (3,00 - 11,20)	4,09	8,00 A++	2,20 (0,47 - 3,33)	1100	10,50	1,01	2,22	2,66	4,51		10,40 (3,40 - 14,40)	4,86	4,40 A+	2,14 (0,45 - 3,64)	1070	10,10
16+35+50+50	0,95	2,09	2,98	2,98		9,00 (3,00 - 11,00)	4,07	8,00 A++	2,21 (0,52 - 3,05)	1105	10,60	1,10	2,42	3,44	3,44		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
16+35+50+60	0,89	1,96	2,80	3,35		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	1,03	2,26	3,23	3,88		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
16+35+50+71	0,83	1,83	2,62	3,72		9,00 (3,00 - 11,20)	4,19	8,00 A++	2,15 (0,52 - 3,20)	1075	10,30	0,97	2,12	3,02	4,29		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,54 - 3,57)	1090	10,20
16+35+60+60	0,84	1,84	3,16	3,16		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	0,97	2,13	3,65	3,65		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
16+35+60+71	0,79	1,73	2,97	3,51		9,00 (3,00 - 11,20)	4,19	8,00 A++	2,15 (0,52 - 3,20)	1075	10,30	0,91	2,00	3,43	4,06		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,54 - 3,57)	1090	10,20
16+42+42+42	1,02	2,66	2,66	2,66		9,00 (3,00 - 11,00)	3,90	8,00 A++	2,31 (0,40 - 3,48)	1155	11,10	1,16	3,08	3,08	3,08		10,40 (3,40 - 14,40)	4,79	4,40 A+	2,17 (0,39 - 3,72)	1085	10,20
16+42+42+50	0,96	2,52	2,52	3,00		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,19)	1100	10,50	1,11	2,91	2,91	3,47		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,64)	1075	10,10
16+42+42+60	0,90	2,36	2,36	3,38		9,00 (3,00 - 11,20)	4,09	8,00 A++	2,20 (0,44 - 3,33)	1100	10,50	1,04	2,73	2,73	3,90		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,64)	1075	10,10
16+42+42+71	0,84	2,21	2,21	3,74		9,00 (3,00 - 11,20)	4,09	8,00 A++	2,20 (0,48 - 3,34)	1100	10,50	0,97	2,55	2,55	4,33		10,40 (3,40 - 14,40)	4,86	4,40 A+	2,14 (0,46 - 3,63)	1070	10,10
16+42+50+50	0,91	2,39	2,85	2,85		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	1,05	2,77	3,29	3,29		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,53 - 3,58)	1090	10,20
16+42+50+60	0,86	2,25	2,68	3,21		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	0,99	2,60	3,10	3,71		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,53 - 3,58)	1090	10,20
16+42+50+71	0,80	2,11	2,51	3,58		9,00 (3,00 - 11,20)	4,17	8,00 A++	2,16 (0,53 - 3,20)	1080	10,30	0,93	2,44	2,91	4,12		10,40 (3,40 - 14,40)	4,79	4,40 A+	2,17 (0,54 - 3,56)	1085	10,20
16+42+60+60	0,81	2,13	3,03	3,03		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,52 - 3,20)	1105	10,60	0,93	2,45	3,51	3,51		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,53 - 3,58)	1090	10,20
16+50+50+50	0,87	2,71	2,71	2,71		9,00 (3,00 - 11,20)	4,15	8,00 A++	2,17 (0,57 - 3,14)	1085	10,40	1,01	3,13	3,13	3,13		10,40 (3,40 - 14,40)	4,66	4,40 A+	2,23 (0,63 - 3,58)	1115	10,50
16+50+50+60	0,81	2,56	2,56	3,07		9,00 (3,00 - 11,20)	4,15	8,00 A++	2,17 (0,57 - 3,14)	1085	10,40	0,95	2,95	2,95	3,55		10,40 (3,40 - 14,40)	4,66	4,40 A+	2,23 (0,63 - 3,58)	1115	10,50
20+20+20+20	2,00	2,00	2,00	2,00		8,00 (2,90 - 10,60)	4,06	8,00 A++	1,97 (0,37 - 3,40)	985	9,40	2,60	2,60	2,60	2,60		10,40 (3,40 - 14,20)	4,71	4,20 A+	2,21 (0,34 - 3,79)	1105	10,40
20+20+20+25	2,00	2,00	2,00	2,50		8,50 (2,90 - 10,60)	3,95	8,00 A++	2,15 (0,37 - 3,40)	1075	10,30	2,45	2,45	2,45	3,05		10,40 (3,40 - 14,20)	4,71	4,20 A+	2,21 (0,34 - 3,79)	1105	10,40
20+20+20+35	1,89	1,89	1,89	3,33		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,33)	1190	11,40	2,19	2,19	2,19	3,83		10,40 (3,40 - 14,20)	4,75	4,40 A+	2,19 (0,35 - 3,76)	1095	10,30
20+20+20+42	1,76	1,76	1,76	3,72		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,33)	1190	11,40	2,04	2,04	2,04	4,28		10,40 (3,40 - 14,20)	4,77	4,40 A+	2,18 (0,36 - 3,74)	1090	10,20
20+20+20+50	1,64	1,64	1,64	4,08		9,00 (2,90 - 10,60)	4,00	8,00 A++	2,25 (0,41 - 3,04)	1125	10,80	1,89	1,89	1,89	4,73		10,40 (3,40 - 14,20)	4,86	4,40 A+	2,14 (0,42 - 3,60)	1070	10,10
20+20+20+60	1,50	1,50	1,50	4,50		9,00 (2,90 - 10,60)	4,00	8,00 A++	2,25 (0,41 - 3,04)	1125	10,80	1,73	1,73	1,73	5,21		10,40 (3,40 - 14,20)	4,86	4,40 A+	2,14 (0,42 - 3,60)	1070	10,10
20+20+20+71	1,37	1,37	1,37	4,89		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,59	1,59	1,59	5,63		10,40 (3,40 - 14,40)	4,88	4,40 A+	2,13 (0,42 - 3,64)	1065	10,00
20+20+25+25	2,00	2,00	2,50	2,50		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,40)	1190	11,40	2,31	2,31	2,89	2,89		10,40 (3,40 - 14,20)	4,71	4,40 A+	2,21 (0,34 - 3,79)	1105	10,40
20+20+25+35	1,80	1,80	2,25	3,15		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,33)	1190	11,40	2,08	2,08	2,60	3,64		10,40 (3,40 - 14,20)	4,75	4,40 A+	2,19 (0,35 - 3,76)	1095	10,30
20+20+25+42	1,68	1,68	2,10	3,54		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,33)	1190	11,40	1,94	1,94	2,43	4,09		10,40 (3,40 - 14,20)	4,77	4,40 A+	2,18 (0,36 - 3,74)	1090	10,20
20+20+25+50	1,57	1,57	1,95	3,91		9,00 (2,90 - 10,60)	4,00	8,00 A++	2,25 (0,41 - 3,04)	1125	10,80	1,81	1,81	2,26	4,52		10,40 (3,40 - 14,20)	4,86	4,40 A+	2,14 (0,42 - 3,60)	1070	10,10
20+20+25+60	1,44	1,44	1,80	4,32		9,00 (2,90 - 10,80)	4,00	8,00 A++	2,25 (0,41 - 3,18)	1125	10,80	1,66	1,66	2,08	5,00		10,40 (3,40 - 14,20)	4,86	4,40 A+	2,14 (0,42 - 3,60)	1070	10,10
20+20+25+71	1,32	1,32	1,65	4,71		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,53	1,53	1,91	5,43		10,40 (3,40 - 14,40)	4,88	4,40 A+	2,13 (0,42 - 3,64)	1065	10,00
20+20+35+35	1,64	1,64	2,86	2,86		9,00 (2,90 - 10,60)	3,90	8,00 A++	2,31 (0,37 - 3,25)	1155	11,10	1,89	1,89	3,31	3,31		10,40 (3,40 - 14,20)	4,79	4,40 A+	2,17 (0,37 - 3,66)	1085	10,20
20+20+35+42	1,54	1,54	2,69	3,23		9,00 (2,90 - 10,60)	3,90	8,00 A++	2,31 (0,37 - 3,25)	1155	11,10	1,78	1,78	3,11	3,73		10,40 (3,40 - 14,20)	4,81	4,40 A+	2,16 (0,37 - 3,65)	1080	10,20
20+20+35+50	1,44	1,44	2,52	3,60		9,00 (2,90 - 10,80)	3,98	8,00 A++	2,26 (0,44 - 3,11)	1130	10,80	1,66	1,66	2,91	4,17		10,40 (3,40 - 14,20)	4,91	4,40 A+	2,12 (0,42 - 3,57)	1060	10,00
20+20+35+60	1,33	1,33	2,33	4,01		9,00 (2,90 - 10,80)	3,98	8,00 A++	2,26 (0,44 - 3,11)	1130	10,80	1,54	1,54	2,70	4,62		10,40 (3,40 - 14,40)	4,91	4,40 A+	2,12 (0,42 - 3,63)	1060	10,00
20+20+35+71	1,23	1,23	2,16	4,38		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,19)	1100	10,50	1,42	1,42	2,49	5,07		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,61)	1080	10,20
20+20+42+42	1,45	1,45	3,05	3,05		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,37 - 3,40)	1155	11,10	1,68	1,68	3,52	3,52		10,40 (3,40 - 14,20)	4,75	4,40 A+	2,19 (0,37 - 3,64)	1095	10,30
20+20+42+50	1,36	1,36	2,86	3,42		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,58	1,58	3,31	3,93		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,62)	1080	10,20
20+20+42+60	1,27	1,27	2,66	3,80		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,26)	1100	10,50	1,46	1,46	3,08	4,40		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,62)	1080	10,20
20+20+42+71	1,18	1,18	2,46	4,18		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,45 - 3,19)	1100	10,50	1,36	1,36	2,85	4,83		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,44 - 3,66)	1075	10,10
20+20+50+50	1,29	1,29	3,21	3,21		9,00 (2,90 - 10,80)	4,07	8,00 A++	2,21 (0,49 - 2,98)	1105	10,60	1,49	1,49	3,71	3,71		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
20+20+50+60	1,20	1,20	3,00	3,60		9,00 (3,00 - 11,00)	4,07	8,00 A++	2,21 (0,49 - 3,12)	1105	10,60	1,39	1,39	3,47	4,15		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
20+20+50+71	1,12	1,12	2,79	3,97		9,00 (3,00 - 11,20)	4,19	8,00 A++	2,15 (0,52 - 3,20)	1075	10,30	1,29	1,29	3,23	4,59		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
20+20+60+60	1,12	1,12	3,38	3,38		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,49 - 3,19)	1105	10,60	1,30	1,30	3,90	3,90		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
20+20+60+71	1,05	1,05	3,16	3,74		9,00 (3,00 - 11,20)	4,19	8,00 A++	2,15 (0,52 - 3,20)	1075	10,30	1,22	1,22	3,65	4,31		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
20+20+71+71	0,99	0,99	3,51	3,51		9,00 (3,00 - 11,20)	4,17	8,00 A++	2,16 (0,53 - 3,13)	1080	10,30	1,14	1,14	4,06	4,06		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,53 - 3,58)	1090	10,20
20+25+25+25	1,89	2,37	2,37	2,37		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,40)	1190	11,40	2,18	2,74	2,74	2,74		10,40 (3,40 - 14,20)	4,71	4,40 A+	2,21 (0,34 - 3,79)	1105	10,40
20+25+25+35	1,71	2,14	2,14	3,01		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,33)	1190	11,40	1,98	2,48	2,48	3,46		10,40 (3,40 - 14,20)	4,75	4,40 A+	2,19 (0,35 - 3,76)	1095	10,30
20+25+25+42	1,60	2,01	2,01	3,38		9,00 (2,90 - 10,60)	3,78	8,00 A++	2,38 (0,37 - 3,33)	1190	11,40	1,86	2,32	2,32	3,90		10,40 (3,40 - 14,20)	4,77	4,40 A+	2,18 (0,36 - 3,74)	1090	10,20
20+25+25+50	1,49	1,88	1,88	3,75		9,00 (2,90 - 10,60)	4,00	8,00 A++	2,25 (0,41 - 3,04)	1125	10,80	1,73	2,17	2,17	4,33		10,40 (3,40 - 14,20)	4,86	4,40 A+	2,14 (0,42 - 3,60)	1070	10,10
20+25+25+60	1,38	1,73	1,73	4,16		9,00 (2,90 - 10,80)	4,00	8,00 A++	2,25 (0,41 - 3,18)	1125	10,80	1,60	2,00	2,00	4,80		10,40 (3,40 - 14,40)	4,86	4,40 A+	2,14 (0,42 - 3,66)	1070	10,10
20+25+25+71	1,27	1,60	1,60	4,53		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,48	1,84	1,84	5,24		10,40 (3,40 - 14,40)	4,88	4,40 A+	2,13 (0,42 - 3,64)	1065	10,00
20+25+35+35	1,56	1,96	2,74	2,74		9,00 (2,90 - 10,60)	3,90	8,00 A++	2,31 (0,37 - 3,25)	1155	11,10	1,80	2,26	3,17	3,17		10,40 (3,40 - 14,20)	4,79	4,40 A+	2,17 (0,37 - 3,66)	1085	10,20
20+25+35+42	1,48	1,84	2,58	3,10		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,37 - 3,40)	1155	11,10	1,70	2,13	2,98	3,59		10,40 (3,40 - 14,20)	4,81	4,40 A+	2,16 (0,37 - 3,65)	1080	10,20
20+25+35+50	1,38	1,73	2,42	3,47		9,00 (2,90 - 10,80)	3,98	8,00 A++	2,26 (0,44 - 3,11)	1130	10,80	1,60	2,00	2,80	4,00		10,40 (3,40 - 14,40)	4,91	4,40 A+	2,12 (0,42 - 3,63)	1060	10,00
20+25+35+60	1,28	1,61	2,25	3,86		9,00 (2,90 - 10,80)	3,98	8,00 A++	2,26 (0,44 - 3,11)	1130	10,80	1,49	1,86	2,60	4,45		10,40 (3,40 - 14,40)	4,91	4,40 A+	2,12 (0,42 - 3,63)	1060	10,00
20+25+35+71	1,19	1,49	2,09	4,23		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,19)	1100	10,50	1,38	1,72	2,41	4,89		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,61)	1080	10,20
20+25+42+42	1,40	1,74	2,93	2,93		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,37 - 3,40)	1155	11,10	1,60	2,02	3,39	3,39		10,40 (3,40 - 14,40)	4,75	4,40 A+	2,19 (0,37 - 3,76)	1095	10,30
20+25+42+50	1,31	1,64	2,76	3,29		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,52	1,90	3,19	3,79		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,62)	1080	10,20
20+25+42+60	1,22	1,53	2,57	3,68		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,26)	1100	10,50	1,41	1,77	2,97	4,25		10,40 (3,40 - 14,40)	4,81	4,40 A+	2,16 (0,43 - 3,62)	1080	10,20
20+25+42+71	1,14	1,42	2,39	4,05		9,00 (3,00 - 11,20)	4,09	8,00 A++	2,20 (0,45 - 3,33)	1100	10,50	1,32	1,65	2,76	4,67		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,44 - 3,66)	1075	10,10
20+25+50+50	1,24	1,55	3,10	3,11		9,00 (3,00 - 11,00)	4,07	8,00 A++	2,21 (0,49 - 3,12)	1105	10,60	1,43	1,79	3,59	3,59		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
20+25+50+60	1,16	1,45	2,90	3,49		9,00 (3,00 - 11,00)	4,07	8,00 A++	2,21 (0,49 - 3,12)	1105	10,60	1,34	1,68	3,35	4,03		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
20+25+50+71	1,08	1,36	2,71	3,85		9,00 (3,00 - 11,20)	4,19	8,00 A++	2,15 (0,52 - 3,20)	1075	10,30	1,25	1,57	3,13	4,45		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
20+25+60+60	1,09	1,37	3,27	3,27		9,00 (3,00 - 11,20)	4,07	8,00 A++	2,21 (0,49 - 3,19)	1105	10,60	1,26	1,58	3,78	3,78		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,51 - 3,60)	1075	10,10
20+25+60+71	1,02	1,28	3,07	3,63		9,00 (3,00 - 11,20)	4,19	8,00 A++	2,15 (0,52 - 3,20)	1075	10,30	1,18	1,48	3,55	4,19		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,52 - 3,59)	1090	10,20
20+35+35+35	1,44	2,52	2,52	2,52		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,40 - 3,33)	1155	11,10	1,67	2,91	2,91	2,91		10,40 (3,40 - 14,20)	4,75	4,40 A+	2,19 (0,37 - 3,63)	1095	10,30
20+35+35+42	1,36	2,39	2,39	2,86		9,00 (2,90 - 10,80)	3,90	8,00 A++	2,31 (0,40 - 3,33)	1155	11,10	1,58	2,76	2,76	3,30		10,40 (3,40 - 14,40)	4,77	4,40 A+	2,18 (0,37 - 3,73)	1090	10,20
20+35+35+50	1,29	2,25	2,25	3,21		9,00 (2,90 - 10,80)	4,09	8,00 A++	2,20 (0,44 - 3,11)	1100	10,50	1,49	2,60	2,60	3,71		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,65)	1075	10,10
20+35+35+60	1,20	2,10	2,10	3,60		9,00 (3,00 - 11,00)	4,09	8,00 A++	2,20 (0,44 - 3,26)	1100	10,50	1,39	2,43	2,43	4,15		10,40 (3,40 - 14,40)	4,84	4,40 A+	2,15 (0,45 - 3,65)	1075	10,10

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
20+35+35+71	1,11	1,96	1,96	3,97		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,47 - 3,33)	1100	10,50	1,29	2,26	2,26	4,59		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,45 - 3,64)	1070	10,10
20+35+42+42	1,29	2,27	2,72	2,72		9,00 (2,90 - 10,80)	3,90	**8,00** A+++	2,31 (0,40 - 3,33)	1155	11,10	1,50	2,62	3,14	3,14		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,39 - 3,72)	1085	10,20
20+35+42+50	1,22	2,14	2,57	3,07		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,19)	1100	10,50	1,41	2,48	2,97	3,54		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,45 - 3,64)	1075	10,10
20+35+42+60	1,14	2,01	2,41	3,44		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,19)	1100	10,50	1,32	2,32	2,78	3,98		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,45 - 3,64)	1075	10,10
20+35+42+71	1,07	1,88	2,25	3,80		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,34)	1100	10,50	1,24	2,17	2,60	4,39		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,46 - 3,63)	1070	10,10
20+35+50+50	1,16	2,04	2,90	2,90		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,52 - 3,05)	1105	10,60	1,34	2,36	3,35	3,35		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,53 - 3,58)	1090	10,20
20+35+50+60	1,09	1,91	2,73	3,27		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,26	2,21	3,15	3,78		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,53 - 3,58)	1090	10,20
20+35+50+71	1,02	1,79	2,56	3,63		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,53 - 3,20)	1080	10,30	1,18	2,07	2,95	4,20		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,56)	1085	10,20
20+35+60+60	1,02	1,80	3,09	3,09		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,19	2,07	3,57	3,57		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,53 - 3,58)	1090	10,20
20+42+42+42	1,23	2,59	2,59	2,59		9,00 (3,00 - 11,00)	3,90	**8,00** A+++	2,31 (0,40 - 3,40)	1155	11,10	1,43	2,99	2,99	2,99		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,39 - 3,71)	1085	10,20
20+42+42+50	1,17	2,45	2,45	2,93		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,45 - 3,19)	1100	10,50	1,35	2,84	2,84	3,37		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,45 - 3,63)	1070	10,10
20+42+42+60	1,10	2,30	2,30	3,30		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,45 - 3,33)	1100	10,50	1,27	2,66	2,66	3,81		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,45 - 3,63)	1070	10,10
20+42+42+71	1,03	2,16	2,16	3,65		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,26)	1100	10,50	1,19	2,50	2,50	4,21		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,46 - 3,61)	1065	10,00
20+42+50+50	1,11	2,33	2,78	2,78		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,28	2,70	3,21	3,21		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,57)	1085	10,20
20+42+50+60	1,04	2,20	2,62	3,14		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,21	2,54	3,02	3,63		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,57)	1085	10,20
20+42+50+71	0,98	2,07	2,46	3,49		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,53 - 3,13)	1080	10,30	1,14	2,39	2,84	4,03		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,55 - 3,55)	1085	10,20
20+42+60+60	0,98	2,08	2,97	2,97		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,14	2,40	3,43	3,43		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,57)	1085	10,20
20+50+50+50	1,05	2,65	2,65	2,65		9,00 (3,00 - 11,20)	4,15	**8,00** A+++	2,17 (0,58 - 3,14)	1085	10,40	1,22	3,06	3,06	3,06		10,40 (3,40 - 14,40)	4,60	**4,40** A+	2,26 (0,63 - 3,57)	1130	10,60
20+50+50+60	1,00	2,50	2,50	3,00		9,00 (3,00 - 11,20)	4,15	**8,00** A+++	2,17 (0,58 - 3,14)	1085	10,40	1,16	2,89	2,89	3,46		10,40 (3,40 - 14,40)	4,60	**4,40** A+	2,26 (0,63 - 3,57)	1130	10,60
25+25+25+25	2,25	2,25	2,25	2,25		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,40)	1190	11,40	2,60	2,60	2,60	2,60		10,40 (3,40 - 14,20)	4,71	**4,40** A+	2,21 (0,34 - 3,79)	1105	10,40
25+25+25+35	2,05	2,05	2,05	2,85		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	2,36	2,36	2,36	3,32		10,40 (3,40 - 14,20)	4,75	**4,40** A+	2,19 (0,35 - 3,76)	1095	10,30
25+25+25+42	1,92	1,92	1,92	3,24		9,00 (2,90 - 10,60)	3,78	**8,00** A+++	2,38 (0,37 - 3,33)	1190	11,40	2,22	2,22	2,22	3,74		10,40 (3,40 - 14,20)	4,77	**4,40** A+	2,18 (0,36 - 3,74)	1090	10,20
25+25+25+50	1,80	1,80	1,80	3,60		9,00 (2,90 - 10,80)	4,00	**8,00** A+++	2,25 (0,41 - 3,18)	1125	10,80	2,08	2,08	2,08	4,16		10,40 (3,40 - 14,20)	4,86	**4,40** A+	2,14 (0,42 - 3,60)	1070	10,10
25+25+25+60	1,67	1,67	1,67	3,99		9,00 (2,90 - 10,80)	4,00	**8,00** A+++	2,25 (0,41 - 3,18)	1125	10,80	1,93	1,93	1,93	4,61		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,42 - 3,66)	1070	10,10
25+25+25+71	1,54	1,54	1,54	4,38		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,78	1,78	1,78	5,06		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,42 - 3,64)	1065	10,00
25+25+35+35	1,87	1,87	2,63	2,63		9,00 (2,90 - 10,60)	3,90	**8,00** A+++	2,31 (0,37 - 3,25)	1155	11,10	2,17	2,17	3,03	3,03		10,40 (3,40 - 14,20)	4,79	**4,40** A+	2,17 (0,37 - 3,66)	1085	10,20
25+25+35+42	1,77	1,77	2,48	2,98		9,00 (2,90 - 10,80)	3,90	**8,00** A+++	2,31 (0,37 - 3,40)	1155	11,10	2,05	2,05	2,87	3,43		10,40 (3,40 - 14,20)	4,81	**4,40** A+	2,16 (0,37 - 3,65)	1080	10,20
25+25+35+50	1,67	1,67	2,33	3,33		9,00 (2,90 - 10,80)	3,98	**8,00** A+++	2,26 (0,44 - 3,11)	1130	10,80	1,93	1,93	2,70	3,84		10,40 (3,40 - 14,40)	4,91	**4,40** A+	2,12 (0,42 - 3,63)	1060	10,00
25+25+35+60	1,55	1,55	2,17	3,73		9,00 (3,00 - 11,00)	3,98	**8,00** A+++	2,26 (0,44 - 3,26)	1130	10,80	1,79	1,79	2,51	4,31		10,40 (3,40 - 14,40)	4,91	**4,40** A+	2,12 (0,42 - 3,63)	1060	10,00
25+25+35+71	1,44	1,44	2,02	4,10		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,19)	1100	10,50	1,67	1,67	2,33	4,73		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,61)	1080	10,20
25+25+42+42	1,68	1,68	2,82	2,82		9,00 (2,90 - 10,80)	3,90	**8,00** A+++	2,31 (0,37 - 3,40)	1155	11,10	1,94	1,94	3,26	3,26		10,40 (3,40 - 14,40)	4,75	**4,40** A+	2,19 (0,37 - 3,76)	1095	10,30
25+25+42+50	1,58	1,58	2,66	3,18		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,83	1,83	3,08	3,66		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,62)	1080	10,20
25+25+42+60	1,48	1,48	2,49	3,55		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,71	1,71	2,87	4,11		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,43 - 3,62)	1080	10,20
25+25+42+71	1,38	1,38	2,32	3,92		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,45 - 3,33)	1100	10,50	1,60	1,60	2,68	4,52		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,44 - 3,66)	1075	10,10
25+25+50+50	1,50	1,50	3,00	3,00		9,00 (3,00 - 11,00)	4,07	**8,00** A+++	2,21 (0,49 - 3,12)	1105	10,60	1,73	1,73	3,47	3,47		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,60)	1075	10,10
25+25+50+60	1,41	1,41	2,80	3,38		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,49 - 3,19)	1105	10,60	1,63	1,63	3,25	3,89		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,60)	1075	10,10
25+25+50+71	1,32	1,32	2,62	3,74		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,52	1,52	3,04	4,32		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,52 - 3,59)	1090	10,20
25+25+60+60	1,32	1,32	3,18	3,18		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,49 - 3,19)	1105	10,60	1,53	1,53	3,67	3,67		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,51 - 3,60)	1075	10,10
25+25+60+71	1,24	1,24	2,98	3,54		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,44	1,44	3,45	4,07		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,52 - 3,59)	1090	10,20
25+35+35+35	1,74	2,42	2,42	2,42		9,00 (2,90 - 10,80)	3,90	**8,00** A+++	2,31 (0,40 - 3,33)	1155	11,10	2,00	2,80	2,80	2,80		10,40 (3,40 - 14,40)	4,75	**4,40** A+	2,19 (0,37 - 3,75)	1095	10,30
25+35+35+42	1,64	2,30	2,30	2,76		9,00 (2,90 - 10,80)	3,90	**8,00** A+++	2,31 (0,40 - 3,33)	1155	11,10	1,90	2,66	2,66	3,18		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,37 - 3,73)	1090	10,20
25+35+35+50	1,55	2,17	2,17	3,11		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,79	2,51	2,51	3,59		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,45 - 3,65)	1075	10,10
25+35+35+60	1,45	2,03	2,03	3,49		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,26)	1100	10,50	1,68	2,35	2,35	4,02		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,45 - 3,65)	1075	10,10
25+35+35+71	1,35	1,90	1,90	3,85		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,47 - 3,33)	1100	10,50	1,57	2,19	2,19	4,45		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,45 - 3,64)	1070	10,10
25+35+42+42	1,55	2,19	2,63	2,63		9,00 (3,00 - 11,00)	3,90	**8,00** A+++	2,31 (0,40 - 3,48)	1155	11,10	1,81	2,53	3,03	3,03		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,39 - 3,72)	1085	10,20
25+35+42+50	1,48	2,07	2,49	2,96		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,44 - 3,19)	1100	10,50	1,71	2,39	2,87	3,43		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,45 - 3,64)	1075	10,10
25+35+42+60	1,39	1,95	2,33	3,33		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,44 - 3,33)	1100	10,50	1,60	2,25	2,70	3,85		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,45 - 3,64)	1075	10,10
25+35+42+71	1,30	1,82	2,18	3,70		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,34)	1100	10,50	1,50	2,10	2,52	4,28		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,46 - 3,63)	1070	10,10
25+35+50+50	1,41	1,97	2,81	2,81		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,62	2,28	3,25	3,25		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,53 - 3,58)	1090	10,20
25+35+50+60	1,32	1,85	2,65	3,18		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,53	2,14	3,06	3,67		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,53 - 3,58)	1090	10,20
25+35+50+71	1,24	1,74	2,49	3,53		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,53 - 3,20)	1080	10,30	1,44	2,01	2,87	4,08		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,56)	1085	10,20
25+35+60+60	1,25	1,75	3,00	3,00		9,00 (3,00 - 11,20)	4,07	**8,00** A+++	2,21 (0,52 - 3,20)	1105	10,60	1,44	2,02	3,47	3,47		10,40 (3,40 - 14,40)	4,77	**4,40** A+	2,18 (0,53 - 3,58)	1090	10,20
25+42+42+42	1,50	2,50	2,50	2,50		9,00 (3,00 - 11,00)	3,90	**8,00** A+++	2,31 (0,40 - 3,40)	1155	11,10	1,73	2,89	2,89	2,89		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,39 - 3,71)	1085	10,20
25+42+42+50	1,41	2,38	2,38	2,83		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,45 - 3,33)	1100	10,50	1,64	2,75	2,75	3,26		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,45 - 3,63)	1070	10,10
25+42+42+60	1,32	2,24	2,24	3,20		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,45 - 3,33)	1100	10,50	1,54	2,58	2,58	3,70		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,45 - 3,63)	1070	10,10
25+42+42+71	1,25	2,10	2,10	3,55		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,26)	1100	10,50	1,44	2,43	2,43	4,10		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,46 - 3,61)	1065	10,00
25+42+50+50	1,35	2,27	2,69	2,69		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,56	2,62	3,11	3,11		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,57)	1085	10,20
25+42+50+60	1,27	2,14	2,54	3,05		9,00 (3,00 - 11,20)	4,19	**8,00** A+++	2,15 (0,52 - 3,20)	1075	10,30	1,47	2,47	2,94	3,52		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,54 - 3,57)	1085	10,20
25+50+50+50	1,29	2,57	2,57	2,57		9,00 (3,00 - 11,20)	4,15	**8,00** A+++	2,17 (0,58 - 3,14)	1085	10,40	1,49	2,97	2,97	2,97		10,40 (3,40 - 14,40)	4,60	**4,40** A+	2,26 (0,63 - 3,57)	1130	10,60
35+35+35+35	2,25	2,25	2,25	2,25		9,00 (2,90 - 10,80)	4,00	**8,00** A+++	2,25 (0,40 - 3,25)	1125	10,80	2,60	2,60	2,60	2,60		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,39 - 3,71)	1085	10,20
35+35+35+42	2,14	2,14	2,14	2,58		9,00 (3,00 - 11,00)	4,00	**8,00** A+++	2,25 (0,41 - 3,40)	1125	10,80	2,48	2,48	2,48	2,96		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,39 - 3,70)	1080	10,20
35+35+35+50	2,03	2,03	2,03	2,91		9,00 (3,00 - 11,00)	4,09	**8,00** A+++	2,20 (0,47 - 3,19)	1100	10,50	2,35	2,35	2,35	3,35		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,46 - 3,62)	1070	10,10
35+35+35+60	1,91	1,91	1,91	3,27		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,47 - 3,33)	1100	10,50	2,21	2,21	2,21	3,77		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,46 - 3,62)	1070	10,10
35+35+35+71	1,79	1,79	1,79	3,63		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,26)	1100	10,50	2,07	2,07	2,07	4,19		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,47 - 3,61)	1065	10,00
35+35+42+42	2,05	2,05	2,45	2,45		9,00 (3,00 - 11,00)	4,00	**8,00** A+++	2,25 (0,41 - 3,40)	1125	10,80	2,36	2,36	2,84	2,84		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,40 - 3,69)	1080	10,20
35+35+42+50	1,94	1,94	2,33	2,79		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,47 - 3,33)	1100	10,50	2,25	2,25	2,70	3,20		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,47 - 3,61)	1065	10,00
35+35+42+60	1,83	1,83	2,20	3,14		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,47 - 3,33)	1100	10,50	2,12	2,12	2,54	3,62		10,40 (3,40 - 14,40)	4,88	**4,40** A+	2,13 (0,47 - 3,61)	1065	10,00
35+35+42+71	1,72	1,72	2,07	3,49		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,26)	1100	10,50	1,99	1,99	2,39	4,03		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,48 - 3,60)	1085	10,20
35+35+50+50	1,85	1,85	2,65	2,65		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,52 - 3,20)	1080	10,30	2,14	2,14	3,06	3,06		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,55 - 3,55)	1085	10,20
35+35+50+60	1,75	1,75	2,50	3,00		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,52 - 3,20)	1080	10,30	2,02	2,02	2,89	3,47		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,55 - 3,55)	1085	10,20
35+42+42+42	1,95	2,35	2,35	2,35		9,00 (3,00 - 11,20)	4,00	**8,00** A+++	2,25 (0,41 - 3,56)	1125	10,80	2,27	2,71	2,71	2,71		10,40 (3,40 - 14,40)	4,84	**4,40** A+	2,15 (0,40 - 3,67)	1075	10,10
35+42+42+50	1,86	2,24	2,24	2,66		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,34)	1100	10,50	2,15	2,58	2,58	3,09		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,48 - 3,60)	1085	10,20
35+42+42+60	1,76	2,11	2,11	3,02		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,34)	1100	10,50	2,03	2,44	2,44	3,49		10,40 (3,40 - 14,40)	4,79	**4,40** A+	2,17 (0,48 - 3,60)	1085	10,20
35+42+50+50	1,78	2,14	2,54	2,54		9,00 (3,00 - 11,20)	4,17	**8,00** A+++	2,16 (0,53 - 3,20)	1080	10,30	2,05	2,47	2,94	2,94		10,40 (3,40 - 14,40)	4,73	**4,40** A+	2,20 (0,56 - 3,54)	1100	10,30
42+42+42+42	2,25	2,25	2,25	2,25		9,00 (3,00 - 11,20)	4,00	**8,00** A+++	2,25 (0,43 - 3,48)	1125	10,80	2,60	2,60	2,60	2,60		10,40 (3,40 - 14,40)	4,86	**4,40** A+	2,14 (0,40 - 3,66)	1070	10,10
42+42+42+50	2,15	2,15	2,15	2,55		9,00 (3,00 - 11,20)	4,09	**8,00** A+++	2,20 (0,48 - 3,26)	1100	10,50	2,48	2,48	2,48	2,96		10,40 (3,40 - 14,40)	4,81	**4,40** A+	2,16 (0,48 - 3,59)	1080	10,20
5 Rooms																						
16+16+16+16+16	1,60	1,60	1,60	1,60	1,60	8,00 (2,90 - 11,50)	4,28	**8,50** A+++	1,87 (0,45 - 3,56)	935	9,00	2,08	2,08	2,08	2,08	2,08	10,40 (3,40 - 14,50)	4,81	**4,40** A+	2,16 (0,43 - 3,67)	1080	10,20
16+16+16+16+20	1,60	1,60	1,60	1,60	2,00	8,40 (2,90 - 11,50)	4,24	**8,50** A+++	1,98 (0,45 - 3,56)	990	9,50	1,98	1,98	1,98	1,98	2,48	10,40 (3,40 - 14,50)	4,84	**4,50** A+	2,15 (0,44 - 3,66)	1075	10,10
16+16+16+16+25	1,62	1,62	1,62	1,62	2,52	9,00 (2,90 - 11,50)	4,09	**8,50** A+++	2,20 (0,45 - 3,56)	1100	10,50	1,87	1,87	1,87	1,87	2,92	10,40 (3,40 - 14,50)	4,84	**4,68** A+++	2,15 (0,44 - 3,66)	1075	10,10
16+16+16+16+35	1,45	1,45	1,45	1,45	3,20	9,00 (2,90 - 11,50)	4,09	**8,50** A+++	2,20 (0,45 - 3,49)	1100	10,50	1,68	1,68	1,68	1,68	3,68	10,40 (3,40 - 14,50)	4,86	**4,68** A+++	2,14 (0,45 - 3,63)	1070	10,10

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
16+16+16+16+42	1,36	1,36	1,36	1,36	3,56	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,57	1,57	1,57	1,57	4,12	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,67)	1070	10,10
16+16+16+16+50	1,26	1,26	1,26	1,26	3,96	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,46	1,46	1,46	1,46	4,56	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
16+16+16+16+60	1,16	1,16	1,16	1,16	4,36	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,34	1,34	1,34	1,34	5,04	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
16+16+16+16+71	1,07	1,07	1,07	1,07	4,72	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,23	1,23	1,23	1,23	5,48	10,40 (3,40 - 14,50)	4,71	4,68 A++	2,21 (0,56 - 3,60)	1105	10,40
16+16+16+20+20	1,60	1,60	1,60	2,00	2,00	8,80 (2,90 - 11,50)	4,11	8,50 A+++	2,14 (0,45 - 3,48)	1070	10,20	1,89	1,89	1,89	2,36	2,36	10,39 (3,40 - 14,50)	4,83	4,60 A++	2,15 (0,45 - 3,65)	1075	10,10
16+16+16+20+25	1,55	1,55	1,55	1,94	2,41	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,48)	1100	10,50	1,79	1,79	1,79	2,24	2,79	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,45 - 3,65)	1075	10,10
16+16+16+20+35	1,40	1,40	1,40	1,75	3,05	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,62	1,62	1,62	2,02	3,52	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,67)	1070	10,10
16+16+16+20+42	1,31	1,31	1,31	1,64	3,43	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,51	1,51	1,51	1,89	3,98	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,47 - 3,66)	1065	10,00
16+16+16+20+50	1,22	1,22	1,22	1,53	3,81	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,41	1,41	1,41	1,76	4,41	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,56 - 3,60)	1085	10,20
16+16+16+20+60	1,13	1,13	1,13	1,41	4,20	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,30	1,30	1,30	1,63	4,87	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,56 - 3,60)	1085	10,20
16+16+16+20+71	1,04	1,04	1,04	1,29	4,59	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,20	1,20	1,20	1,50	5,30	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,59)	1100	10,30
16+16+16+25+25	1,47	1,47	1,47	2,29	2,29	8,99 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,48)	1100	10,50	1,70	1,70	1,70	2,65	2,65	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,45 - 3,65)	1075	10,10
16+16+16+25+35	1,33	1,33	1,33	2,08	2,93	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,54	1,54	1,54	2,41	3,37	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,67)	1070	10,10
16+16+16+25+42	1,25	1,25	1,25	1,96	3,29	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,45	1,45	1,45	2,26	3,79	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,47 - 3,66)	1065	10,00
16+16+16+25+50	1,17	1,17	1,17	1,83	3,66	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,35	1,35	1,35	2,11	4,24	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,56 - 3,60)	1085	10,20
16+16+16+25+60	1,08	1,08	1,08	1,69	4,07	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,25	1,25	1,25	1,95	4,70	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,56 - 3,60)	1085	10,20
16+16+16+25+71	1,00	1,00	1,00	1,56	4,44	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,16	1,16	1,16	1,81	5,11	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,59)	1100	10,30
16+16+16+35+35	1,22	1,22	1,22	2,67	2,67	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,41	1,41	1,41	3,08	3,08	10,39 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
16+16+16+35+42	1,15	1,15	1,15	2,52	3,03	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,33	1,33	1,33	2,91	3,50	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
16+16+16+35+50	1,08	1,08	1,08	2,37	3,39	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,25	1,25	1,25	2,74	3,91	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,63)	1100	10,30
16+16+16+35+60	1,01	1,01	1,01	2,20	3,77	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,16	1,16	1,16	2,55	4,37	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,63)	1100	10,30
16+16+16+35+71	0,94	0,94	0,94	2,05	4,13	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,08	1,08	1,08	2,36	4,80	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+16+42+42	1,09	1,09	1,09	2,86	2,86	8,99 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,26	1,26	1,26	3,31	3,31	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,50 - 3,62)	1075	10,10
16+16+16+42+50	1,03	1,03	1,03	2,70	3,21	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,19	1,19	1,19	3,12	3,71	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+16+42+60	0,96	0,96	0,96	2,52	3,60	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,11	1,11	1,11	2,91	4,16	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+16+42+71	0,89	0,89	0,89	2,35	3,98	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,03	1,03	1,03	2,71	4,60	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,61)	1115	10,50
16+16+16+50+50	0,97	0,97	0,97	3,04	3,05	9,00 (2,90 - 11,50)	4,11	8,50 A+++	2,19 (0,62 - 3,23)	1095	10,50	1,12	1,12	1,12	3,52	3,52	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,69 - 3,63)	1145	10,80
16+16+16+50+60	0,91	0,91	0,91	2,85	3,42	9,00 (2,90 - 11,50)	4,11	8,50 A+++	2,19 (0,62 - 3,23)	1095	10,50	1,05	1,05	1,05	3,29	3,96	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,69 - 3,63)	1145	10,80
16+16+16+50+71	0,85	0,85	0,85	2,66	3,79	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,24)	1130	10,80	0,98	0,98	0,98	3,08	4,38	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,71 - 3,62)	1145	10,80
16+16+16+60+60	0,86	0,86	0,86	3,21	3,21	9,00 (2,90 - 11,50)	4,11	8,50 A+++	2,19 (0,62 - 3,23)	1095	10,50	0,99	0,99	0,99	3,71	3,71	10,39 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,69 - 3,63)	1145	10,80
16+16+16+60+71	0,80	0,80	0,80	3,02	3,58	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,24)	1130	10,80	0,93	0,93	0,93	3,49	4,12	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,71 - 3,62)	1145	10,80
16+16+20+20+20	1,56	1,56	1,96	1,96	1,96	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,81	1,81	2,26	2,26	2,26	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,45 - 3,64)	1070	10,10
16+16+20+20+25	1,48	1,48	1,86	1,86	2,32	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,72	1,72	2,14	2,14	2,68	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,45 - 3,64)	1070	10,10
16+16+20+20+35	1,35	1,35	1,68	1,68	2,94	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,56	1,56	1,94	1,94	3,40	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,47 - 3,66)	1065	10,00
16+16+20+20+42	1,26	1,26	1,58	1,58	3,32	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,46	1,46	1,82	1,82	3,84	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+16+20+20+50	1,18	1,18	1,48	1,48	3,68	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,28)	1080	10,30	1,36	1,36	1,70	1,70	4,28	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
16+16+20+20+60	1,09	1,09	1,36	1,36	4,10	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,28)	1080	10,30	1,26	1,26	1,58	1,58	4,72	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
16+16+20+20+71	1,01	1,01	1,26	1,26	4,46	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,16	1,16	1,45	1,45	5,18	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+16+20+25+25	1,41	1,41	1,76	2,21	2,21	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,63	1,63	2,04	2,55	2,55	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,45 - 3,64)	1070	10,10
16+16+20+25+35	1,29	1,29	1,61	2,01	2,80	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,49	1,49	1,86	2,32	3,24	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,47 - 3,66)	1065	10,00
16+16+20+25+42	1,21	1,21	1,51	1,89	3,18	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,40	1,40	1,75	2,18	3,67	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+16+20+25+50	1,13	1,13	1,42	1,77	3,55	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,28)	1080	10,30	1,31	1,31	1,64	2,05	4,09	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
16+16+20+25+60	1,05	1,05	1,31	1,64	3,95	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,28)	1080	10,30	1,21	1,21	1,52	1,90	4,56	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
16+16+20+25+71	0,97	0,97	1,22	1,52	4,32	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,12	1,12	1,41	1,76	4,99	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+16+20+35+35	1,18	1,18	1,48	2,58	2,58	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,36	1,36	1,72	2,98	2,98	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
16+16+20+35+42	1,12	1,12	1,40	2,44	2,92	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,29	1,29	1,61	2,82	3,39	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,50 - 3,62)	1075	10,10
16+16+20+35+50	1,05	1,05	1,31	2,30	3,29	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,21	1,21	1,52	2,66	3,80	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+20+35+60	0,98	0,98	1,22	2,14	3,68	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,13	1,13	1,41	2,48	4,25	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+20+35+71	0,91	0,91	1,14	1,99	4,05	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,05	1,05	1,32	2,30	4,68	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,61)	1115	10,50
16+16+20+42+42	1,06	1,06	1,32	2,78	2,78	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,22	1,22	1,54	3,21	3,21	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
16+16+20+42+50	1,00	1,00	1,25	2,63	3,12	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,16	1,16	1,44	3,03	3,61	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+16+20+42+60	0,94	0,94	1,17	2,45	3,50	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,08	1,08	1,35	2,84	4,05	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+16+20+42+71	0,87	0,87	1,09	2,29	3,88	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,58 - 3,29)	1085	10,40	1,01	1,01	1,26	2,65	4,47	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+16+20+50+50	0,95	0,95	1,18	2,96	2,96	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,09	1,09	1,38	3,42	3,42	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,70 - 3,62)	1145	10,80
16+16+20+50+60	0,89	0,89	1,11	2,78	3,33	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,03	1,03	1,28	3,21	3,85	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,70 - 3,62)	1145	10,80
16+16+20+50+71	0,83	0,83	1,04	2,60	3,70	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,96	0,96	1,20	3,01	4,27	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,66)	1165	10,90
16+16+20+60+60	0,84	0,84	1,04	3,14	3,14	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	0,97	0,97	1,20	3,63	3,63	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,70 - 3,62)	1145	10,80
16+16+20+60+71	0,79	0,79	0,98	2,95	3,49	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,91	0,91	1,14	3,41	4,03	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,66)	1165	10,90
16+16+25+25+25	1,35	1,35	2,10	2,10	2,10	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,55	1,55	2,43	2,43	2,43	10,39 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,45 - 3,64)	1070	10,10
16+16+25+25+35	1,23	1,23	1,92	1,92	2,70	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,42	1,42	2,22	2,22	3,12	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,47 - 3,66)	1065	10,00
16+16+25+25+42	1,16	1,16	1,81	1,81	3,06	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,34	1,34	2,10	2,10	3,52	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+16+25+25+50	1,09	1,09	1,70	1,70	3,42	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,28)	1080	10,30	1,26	1,26	1,97	1,97	3,94	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
16+16+25+25+60	1,01	1,01	1,58	1,58	3,82	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,28)	1080	10,30	1,17	1,17	1,83	1,83	4,40	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
16+16+25+25+71	0,94	0,94	1,47	1,47	4,18	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,09	1,09	1,70	1,70	4,82	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+16+25+35+35	1,13	1,13	1,78	2,48	2,48	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,31	1,31	2,04	2,87	2,87	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
16+16+25+35+42	1,07	1,07	1,68	2,35	2,83	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,24	1,24	1,94	2,72	3,26	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,50 - 3,62)	1075	10,10
16+16+25+35+50	1,01	1,01	1,58	2,22	3,18	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,17	1,17	1,83	2,56	3,67	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+25+35+60	0,95	0,95	1,48	2,07	3,55	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,09	1,09	1,71	2,39	4,12	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,59 - 3,62)	1100	10,30
16+16+25+35+71	0,88	0,88	1,38	1,93	3,93	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,02	1,02	1,60	2,23	4,53	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,61)	1115	10,50
16+16+25+42+42	1,02	1,02	1,60	2,68	2,68	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,18	1,18	1,84	3,10	3,10	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
16+16+25+42+50	0,97	0,97	1,51	2,54	3,01	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,12	1,12	1,74	2,93	3,49	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+16+25+42+60	0,91	0,91	1,42	2,38	3,38	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,05	1,05	1,64	2,75	3,91	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+16+25+42+71	0,85	0,85	1,32	2,22	3,76	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,58 - 3,29)	1085	10,40	0,98	0,98	1,53	2,57	4,34	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+16+25+50+50	0,92	0,92	1,42	2,87	2,87	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,06	1,06	1,66	3,31	3,31	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,70 - 3,62)	1145	10,80
16+16+25+50+60	0,86	0,86	1,35	2,69	3,24	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,00	1,00	1,56	3,11	3,73	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,70 - 3,62)	1145	10,80
16+16+25+50+71	0,81	0,81	1,26	2,53	3,59	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,93	0,93	1,46	2,92	4,16	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,66)	1165	10,90
16+16+25+60+60	0,81	0,81	1,28	3,05	3,05	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	0,94	0,94	1,46	3,53	3,53	10,40 (3,40 - 14,50)	4,54	4,68 A++	2,29 (0,70 - 3,62)	1145	10,80
16+16+35+35+35	1,05	1,05	2,30	2,30	2,30	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,21	1,21	2,66	2,66	2,66	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
16+16+35+35+42	1,00	1,00	2,19	2,19	2,62	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,16	1,16	2,53	2,53	3,02	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,51 - 3,59)	1090	10,20
16+16+35+35+50	0,95	0,95	2,07	2,07	2,96	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,09	1,09	2,39	2,39	3,44	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
16+16+35+35+60	0,89	0,89	1,94	1,94	3,34	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,03	1,03	2,25	2,25	3,84	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
16+16+35+35+71	0,83	0,83	1,82	1,82	3,70	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,96	0,96	2,10	2,10	4,28	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,58)	1115	10,50
16+16+35+42+42	0,95	0,95	2,10	2,50	2,50	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,34)	1105	10,60	1,10	1,10	2,42	2,89	2,89	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,64)	1090	10,20
16+16+35+42+50	0,91	0,91	1,98	2,38	2,82	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,05	1,05	2,29	2,75	3,26	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+16+35+42+60	0,85	0,85	1,86	2,24	3,20	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	0,98	0,98	2,15	2,58	3,71	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+16+35+42+71	0,80	0,80	1,75	2,10	3,55	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,92	0,92	2,02	2,43	4,11	10,40 (3,40 - 14,50)	4,68	4,68 A++	2,22 (0,63 - 3,63)	1110	10,40
16+16+35+50+50	0,86	0,86	1,90	2,69	2,69	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,24)	1130	10,80	1,00	1,00	2,18	3,11	3,11	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,65)	1165	10,90
16+16+35+50+60	0,81	0,81	1,78	2,54	3,06	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,24)	1130	10,80	0,94	0,94	2,06	2,94	3,52	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,65)	1165	10,90
16+16+42+42+42	0,91	0,91	2,39	2,39	2,39	8,99 (2,90 - 11,50)	4,18	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,06	1,06	2,76	2,76	2,76	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,53 - 3,63)	1090	10,20
16+16+42+42+50	0,87	0,87	2,28	2,28	2,70	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,00	1,00	2,63	2,63	3,14	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
16+16+42+42+60	0,82	0,82	2,15	2,15	3,06	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	0,95	0,95	2,48	2,48	3,54	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
16+16+42+50+50	0,83	0,83	2,16	2,59	2,59	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,96	0,96	2,50	2,99	2,99	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,74 - 3,65)	1165	10,90
16+16+50+50+50	0,79	0,79	2,47	2,47	2,47	8,99 (2,90 - 11,50)	3,91	8,50 A+++	2,30 (0,76 - 3,27)	1150	11,00	0,91	0,91	2,86	2,86	2,86	10,40 (3,40 - 14,50)	4,19	4,68 A++	2,48 (0,86 - 3,73)	1240	11,70
16+20+20+20+20	1,48	1,88	1,88	1,88	1,88	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,72	2,17	2,17	2,17	2,17	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,68)	1070	10,10
16+20+20+20+25	1,43	1,78	1,78	1,78	2,23	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,65	2,06	2,06	2,06	2,57	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,68)	1070	10,10
16+20+20+20+35	1,30	1,62	1,62	1,62	2,84	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,50	1,87	1,87	1,87	3,29	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+20+20+20+42	1,22	1,53	1,53	1,53	3,19	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,41	1,76	1,76	1,76	3,71	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
16+20+20+20+50	1,14	1,43	1,43	1,43	3,57	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,32	1,65	1,65	1,65	4,13	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+20+20+20+60	1,06	1,32	1,32	1,32	3,98	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,22	1,53	1,53	1,53	4,59	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+20+20+20+71	0,98	1,22	1,22	1,22	4,36	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,13	1,41	1,41	1,41	5,04	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,62)	1100	10,30
16+20+20+25+25	1,36	1,70	1,70	2,12	2,12	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,58	1,96	1,96	2,45	2,45	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,68)	1070	10,10
16+20+20+25+35	1,24	1,55	1,55	1,94	2,72	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,43	1,79	1,79	2,24	3,15	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+20+20+25+42	1,17	1,46	1,46	1,83	3,08	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,35	1,69	1,69	2,11	3,56	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
16+20+20+25+50	1,10	1,37	1,37	1,72	3,44	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,27	1,59	1,59	1,98	3,97	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+20+20+25+60	1,02	1,28	1,28	1,60	3,82	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,18	1,48	1,48	1,84	4,42	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+20+20+25+71	0,95	1,18	1,18	1,48	4,21	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,09	1,37	1,37	1,71	4,86	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,62)	1100	10,30
16+20+20+35+35	1,14	1,43	1,43	2,50	2,50	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,32	1,65	1,65	2,89	2,89	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,50 - 3,62)	1075	10,10
16+20+20+35+42	1,08	1,35	1,35	2,37	2,85	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,25	1,56	1,56	2,74	3,29	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
16+20+20+35+50	1,02	1,28	1,28	2,23	3,19	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,18	1,48	1,48	2,58	3,68	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+20+20+35+60	0,95	1,19	1,19	2,09	3,58	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,10	1,38	1,38	2,41	4,13	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+20+20+35+71	0,89	1,11	1,11	1,94	3,95	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,03	1,28	1,28	2,25	4,56	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+20+20+42+42	1,02	1,29	1,29	2,70	2,70	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,18	1,49	1,49	3,12	3,12	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
16+20+20+42+50	0,97	1,22	1,22	2,55	3,04	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,12	1,41	1,41	2,95	3,51	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+20+20+42+60	0,91	1,14	1,14	2,39	3,42	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,05	1,32	1,32	2,76	3,95	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+20+20+42+71	0,85	1,07	1,07	2,24	3,77	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,98	1,23	1,23	2,58	4,38	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+20+20+50+50	0,94	1,15	1,15	2,88	2,88	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,08	1,33	1,33	3,33	3,33	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+20+20+50+60	0,87	1,08	1,08	2,71	3,26	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,00	1,25	1,25	3,13	3,77	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+20+20+50+71	0,81	1,02	1,02	2,54	3,61	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	0,94	1,18	1,18	2,94	4,16	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
16+20+20+60+60	0,82	1,02	1,02	3,07	3,07	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	0,94	1,18	1,18	3,55	3,55	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+20+25+25+25	1,29	1,62	2,03	2,03	2,03	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,50	1,88	2,34	2,34	2,34	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,68)	1070	10,10
16+20+25+25+35	1,19	1,49	1,86	1,86	2,60	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,38	1,72	2,15	2,15	3,00	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+20+25+25+42	1,13	1,41	1,76	1,76	2,94	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,30	1,63	2,03	2,03	3,41	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
16+20+25+25+50	1,06	1,32	1,65	1,65	3,32	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,22	1,53	1,91	1,91	3,83	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+20+25+25+60	0,99	1,23	1,54	1,54	3,70	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,14	1,42	1,78	1,78	4,28	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+20+25+25+71	0,92	1,15	1,43	1,43	4,07	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,06	1,32	1,66	1,66	4,70	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,62)	1100	10,30
16+20+25+35+35	1,10	1,37	1,73	2,40	2,40	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,27	1,59	1,98	2,78	2,78	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,50 - 3,62)	1075	10,10
16+20+25+35+42	1,04	1,30	1,63	2,28	2,75	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,21	1,51	1,88	2,64	3,16	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
16+20+25+35+50	0,99	1,23	1,54	2,16	3,08	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,14	1,42	1,78	2,49	3,57	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+20+25+35+60	0,92	1,15	1,44	2,02	3,47	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,07	1,33	1,67	2,33	4,00	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+20+25+35+71	0,86	1,08	1,35	1,89	3,82	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,00	1,25	1,56	2,18	4,41	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+20+25+42+42	0,99	1,24	1,55	2,61	2,61	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,15	1,43	1,80	3,01	3,01	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
16+20+25+42+50	0,94	1,18	1,47	2,47	2,94	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,09	1,36	1,70	2,85	3,40	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+20+25+42+60	0,88	1,10	1,38	2,32	3,32	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,02	1,28	1,60	2,68	3,82	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+20+25+42+71	0,83	1,03	1,29	2,17	3,68	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,96	1,20	1,49	2,51	4,24	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+20+25+50+50	0,89	1,12	1,39	2,80	2,80	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,03	1,29	1,62	3,23	3,23	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+20+25+50+60	0,84	1,05	1,32	2,63	3,16	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	0,97	1,22	1,52	3,04	3,65	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+20+25+50+71	0,79	0,99	1,24	2,47	3,51	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	0,91	1,14	1,43	2,86	4,06	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
16+20+25+60+60	0,80	0,99	1,25	2,98	2,98	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	0,91	1,15	1,44	3,45	3,45	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+20+35+35+35	1,02	1,29	2,23	2,23	2,23	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,34)	1105	10,60	1,18	1,48	2,58	2,58	2,58	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,51 - 3,59)	1090	10,20
16+20+35+35+42	0,97	1,22	2,13	2,13	2,55	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,12	1,41	2,46	2,46	2,95	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,64)	1090	10,20
16+20+35+35+50	0,92	1,15	2,02	2,02	2,89	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,07	1,33	2,33	2,33	3,34	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+20+35+35+60	0,87	1,08	1,90	1,90	3,25	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,00	1,25	2,19	2,19	3,77	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+20+35+35+71	0,81	1,02	1,78	1,78	3,61	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,94	1,18	2,06	2,06	4,16	10,40 (3,40 - 14,50)	4,68	4,68 A++	2,22 (0,63 - 3,63)	1110	10,40
16+20+35+42+42	0,93	1,16	2,03	2,44	2,44	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,07	1,34	2,35	2,82	2,82	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,53 - 3,63)	1090	10,20
16+20+35+42+50	0,88	1,10	1,93	2,32	2,77	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,02	1,28	2,23	2,68	3,19	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
16+20+35+42+60	0,83	1,04	1,82	2,18	3,13	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,96	1,20	2,10	2,52	3,62	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
16+20+35+50+50	0,84	1,05	1,85	2,63	2,63	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,97	1,22	2,13	3,04	3,04	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,74 - 3,65)	1165	10,90
16+20+35+50+60	0,80	0,99	1,74	2,49	2,98	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,92	1,15	2,01	2,87	3,45	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,74 - 3,65)	1165	10,90
16+20+42+42+42	0,89	1,12	2,33	2,33	2,33	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,34)	1075	10,30	1,02	1,28	2,70	2,70	2,70	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,62)	1085	10,20
16+20+42+42+50	0,85	1,06	2,22	2,22	2,65	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,98	1,22	2,57	2,57	3,06	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
16+20+42+42+60	0,80	1,00	2,10	2,10	3,00	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,92	1,16	2,43	2,43	3,46	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
16+20+42+50+50	0,81	1,01	2,12	2,53	2,53	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	0,93	1,17	2,46	2,92	2,92	10,40 (3,40 - 14,50)	4,41	4,68 A++	2,36 (0,75 - 3,64)	1180	11,10
16+25+25+25+25	1,24	1,94	1,94	1,94	1,94	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,45 - 3,49)	1100	10,50	1,44	2,24	2,24	2,24	2,24	10,40 (3,40 - 14,50)	4,86	4,68 A++	2,14 (0,46 - 3,68)	1070	10,10
16+25+25+25+35	1,14	1,79	1,79	1,79	2,49	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,41)	1100	10,50	1,32	2,06	2,06	2,06	2,90	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,48 - 3,65)	1085	10,20
16+25+25+25+42	1,08	1,69	1,69	1,69	2,85	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,25	1,95	1,95	1,95	3,30	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
16+25+25+25+50	1,02	1,60	1,60	1,60	3,18	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,18	1,84	1,84	1,84	3,70	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+25+25+25+60	0,95	1,49	1,49	1,49	3,58	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,54 - 3,28)	1080	10,30	1,10	1,72	1,72	1,72	4,14	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
16+25+25+25+71	0,89	1,39	1,39	1,39	3,94	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,03	1,60	1,60	1,60	4,57	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,62)	1100	10,30
16+25+25+35+35	1,06	1,65	1,65	2,32	2,32	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,22	1,91	1,91	2,68	2,68	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,50 - 3,62)	1075	10,10
16+25+25+35+42	1,01	1,57	1,57	2,20	2,65	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,16	1,82	1,82	2,55	3,05	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
16+25+25+35+50	0,95	1,49	1,49	2,09	2,98	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,10	1,72	1,72	2,41	3,45	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30
16+25+25+35+60	0,89	1,40	1,40	1,96	3,35	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,03	1,61	1,61	2,26	3,89	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,60 - 3,61)	1095	10,30

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Free Multi R32 combinations table

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
16+25+25+35+71	0,84	1,31	1,31	1,83	3,71	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,97	1,51	1,51	2,12	4,29	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+25+25+42+42	0,96	1,50	1,50	2,52	2,52	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,12	1,73	1,73	2,91	2,91	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
16+25+25+42+50	0,91	1,42	1,42	2,39	2,86	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,05	1,65	1,65	2,76	3,29	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+25+25+42+60	0,86	1,34	1,34	2,25	3,21	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	0,99	1,55	1,55	2,60	3,71	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
16+25+25+42+71	0,80	1,26	1,26	2,11	3,57	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,93	1,45	1,45	2,44	4,13	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+25+25+50+50	0,86	1,36	1,36	2,71	2,71	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	1,00	1,57	1,57	3,13	3,13	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+25+25+50+60	0,82	1,28	1,28	2,56	3,06	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,63 - 3,23)	1130	10,80	0,95	1,48	1,48	2,95	3,54	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,71 - 3,61)	1165	10,90
16+25+35+35+35	0,99	1,53	2,16	2,16	2,16	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,34)	1105	10,60	1,14	1,79	2,49	2,49	2,49	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,51 - 3,59)	1090	10,20
16+25+35+35+42	0,94	1,47	2,06	2,06	2,47	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,09	1,70	2,38	2,38	2,85	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,64)	1090	10,20
16+25+35+35+50	0,89	1,40	1,96	1,96	2,79	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	1,03	1,61	2,26	2,26	3,24	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+25+35+35+60	0,84	1,32	1,84	1,84	3,16	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,29)	1085	10,40	0,97	1,52	2,13	2,13	3,65	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
16+25+35+35+71	0,79	1,24	1,73	1,73	3,51	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,91	1,43	2,00	2,00	4,06	10,40 (3,40 - 14,50)	4,68	4,68 A++	2,22 (0,63 - 3,63)	1110	10,40
16+25+35+42+42	0,90	1,41	1,97	2,36	2,36	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,03	1,63	2,28	2,73	2,73	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,53 - 3,63)	1090	10,20
16+25+35+42+50	0,86	1,34	1,88	2,25	2,67	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,99	1,55	2,17	2,60	3,09	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
16+25+35+42+60	0,81	1,26	1,77	2,12	3,04	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,93	1,46	2,04	2,45	3,52	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
16+25+35+50+50	0,82	1,28	1,78	2,56	2,56	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,66 - 3,24)	1135	10,90	0,95	1,48	2,07	2,95	2,95	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,74 - 3,65)	1165	10,90
16+25+42+42+42	0,86	1,36	2,26	2,26	2,26	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,34)	1075	10,30	0,98	1,56	2,62	2,62	2,62	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,62)	1085	10,20
16+25+42+42+50	0,82	1,29	2,16	2,16	2,57	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,95	1,49	2,50	2,50	2,96	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
16+25+42+50+50	0,79	1,23	2,06	2,46	2,46	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	0,91	1,42	2,39	2,84	2,84	10,40 (3,40 - 14,50)	4,41	4,68 A++	2,36 (0,75 - 3,64)	1180	11,10
16+35+35+35+35	0,92	2,02	2,02	2,02	2,02	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,08	2,33	2,33	2,33	2,33	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,62)	1085	10,20
16+35+35+35+42	0,88	1,93	1,93	1,93	2,33	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,52 - 3,35)	1080	10,30	1,02	2,23	2,23	2,23	2,69	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
16+35+35+35+50	0,84	1,84	1,84	1,84	2,64	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,97	2,13	2,13	2,13	3,04	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,62)	1130	10,60
16+35+35+35+60	0,80	1,74	1,74	1,74	2,98	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,92	2,01	2,01	2,01	3,45	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,62)	1130	10,60
16+35+35+42+42	0,86	1,85	1,85	2,22	2,22	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	0,98	2,14	2,14	2,57	2,57	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,55 - 3,60)	1085	10,20
16+35+35+42+50	0,81	1,77	1,77	2,12	2,53	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	0,93	2,04	2,04	2,45	2,94	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,61)	1130	10,60
16+35+42+42+42	0,81	1,77	2,14	2,14	2,14	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	0,93	2,06	2,47	2,47	2,47	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
20+20+20+20+20	1,80	1,80	1,80	1,80	1,80	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	2,08	2,08	2,08	2,08	2,08	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,46 - 3,67)	1065	10,00
20+20+20+20+25	1,71	1,71	1,71	1,71	2,16	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,98	1,98	1,98	1,98	2,48	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,46 - 3,67)	1065	10,00
20+20+20+20+35	1,57	1,57	1,57	1,57	2,72	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,81	1,81	1,81	1,81	3,16	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
20+20+20+20+42	1,48	1,48	1,48	1,48	3,08	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,70	1,70	1,70	1,70	3,60	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
20+20+20+20+50	1,38	1,38	1,38	1,38	3,48	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,60	1,60	1,60	1,60	4,00	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+20+20+20+60	1,29	1,29	1,29	1,29	3,84	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,49	1,49	1,49	1,49	4,44	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+20+20+20+71	1,19	1,19	1,19	1,19	4,24	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,38	1,38	1,38	1,38	4,88	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,59 - 3,61)	1095	10,30
20+20+20+25+25	1,64	1,64	1,64	2,04	2,04	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,89	1,89	1,89	2,36	2,36	10,39 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,46 - 3,67)	1065	10,00
20+20+20+25+35	1,50	1,50	1,50	1,88	2,62	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,73	1,73	1,73	2,17	3,04	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
20+20+20+25+42	1,42	1,42	1,42	1,77	2,97	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,64	1,64	1,64	2,05	3,43	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
20+20+20+25+50	1,33	1,33	1,33	1,67	3,34	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,54	1,54	1,54	1,93	3,85	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+20+20+25+60	1,24	1,24	1,24	1,55	3,73	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,43	1,43	1,43	1,79	4,32	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+20+20+25+71	1,15	1,15	1,15	1,44	4,11	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,33	1,33	1,33	1,67	4,74	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,59 - 3,61)	1095	10,30
20+20+20+35+35	1,38	1,38	1,38	2,43	2,43	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,60	1,60	1,60	2,80	2,80	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
20+20+20+35+42	1,31	1,31	1,31	2,30	2,77	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,52	1,52	1,52	2,66	3,18	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
20+20+20+35+50	1,24	1,24	1,24	2,17	3,11	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,43	1,43	1,43	2,51	3,60	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
20+20+20+35+60	1,16	1,16	1,16	2,03	3,49	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,34	1,34	1,34	2,35	4,03	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
20+20+20+35+71	1,08	1,08	1,08	1,90	3,86	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,25	1,25	1,25	2,19	4,46	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
20+20+20+42+42	1,25	1,25	1,25	2,62	2,62	8,99 (2,90 - 11,50)	4,18	8,50 A+++	2,15 (0,49 - 3,42)	1075	10,30	1,44	1,44	1,44	3,04	3,04	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,59)	1090	10,20
20+20+20+42+50	1,18	1,18	1,18	2,49	2,97	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,37	1,37	1,37	2,87	3,42	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
20+20+20+42+60	1,11	1,11	1,11	2,33	3,34	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,28	1,28	1,28	2,70	3,86	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
20+20+20+42+71	1,04	1,04	1,04	2,18	3,70	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,20	1,20	1,20	2,52	4,28	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+20+20+50+50	1,13	1,13	1,13	2,80	2,80	8,99 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,30	1,30	1,30	3,25	3,25	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+20+20+50+60	1,06	1,06	1,06	2,65	3,17	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,22	1,22	1,22	3,06	3,68	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+20+20+50+71	0,99	0,99	0,99	2,49	3,54	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	1,15	1,15	1,15	2,87	4,08	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,74 - 3,65)	1165	10,90
20+20+20+60+60	1,00	1,00	1,00	3,00	3,00	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,16	1,16	1,16	3,46	3,46	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+20+25+25+25	1,56	1,56	1,96	1,96	1,96	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,81	1,81	2,26	2,26	2,26	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,46 - 3,67)	1065	10,00
20+20+25+25+35	1,44	1,44	1,80	1,80	2,52	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,66	1,66	2,08	2,08	2,92	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
20+20+25+25+42	1,36	1,36	1,70	1,70	2,88	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,58	1,58	1,97	1,97	3,30	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
20+20+25+25+50	1,29	1,29	1,61	1,61	3,20	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,49	1,49	1,86	1,86	3,70	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+20+25+25+60	1,20	1,20	1,50	1,50	3,60	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,39	1,39	1,73	1,73	4,16	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+20+25+25+71	1,12	1,12	1,40	1,40	3,96	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,29	1,29	1,61	1,61	4,60	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,59 - 3,61)	1095	10,30
20+20+25+35+35	1,33	1,33	1,68	2,33	2,33	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,54	1,54	1,92	2,70	2,70	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
20+20+25+35+42	1,27	1,27	1,58	2,22	2,66	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,46	1,46	1,83	2,56	3,09	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
20+20+25+35+50	1,20	1,20	1,50	2,10	3,00	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,39	1,39	1,73	2,43	3,46	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
20+20+25+35+60	1,13	1,13	1,41	1,97	3,36	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,30	1,30	1,63	2,28	3,89	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
20+20+25+35+71	1,05	1,05	1,32	1,84	3,74	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,22	1,22	1,52	2,13	4,31	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
20+20+25+42+42	1,21	1,21	1,50	2,54	2,54	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,40	1,40	1,74	2,93	2,93	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,59)	1090	10,20
20+20+25+42+50	1,15	1,15	1,43	2,41	2,86	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,32	1,32	1,66	2,78	3,32	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
20+20+25+42+60	1,08	1,08	1,35	2,26	3,23	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,25	1,25	1,56	2,62	3,72	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
20+20+25+42+71	1,01	1,01	1,26	2,12	3,60	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,17	1,17	1,46	2,45	4,15	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+20+25+50+50	1,09	1,09	1,36	2,73	2,73	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,26	1,26	1,58	3,15	3,15	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+20+25+50+60	1,03	1,03	1,29	2,57	3,08	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,19	1,19	1,49	2,97	3,56	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+20+35+35+35	1,24	1,24	2,17	2,17	2,17	8,99 (2,90 - 11,50)	4,18	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,43	1,43	2,51	2,51	2,51	10,39 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,64)	1090	10,20
20+20+35+35+42	1,18	1,18	2,07	2,07	2,50	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,50 - 3,34)	1075	10,30	1,37	1,37	2,39	2,39	2,88	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,53 - 3,63)	1090	10,20
20+20+35+35+50	1,13	1,13	1,97	1,97	2,80	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,30	1,30	2,28	2,28	3,24	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+20+35+35+60	1,06	1,06	1,85	1,85	3,18	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,22	1,22	2,14	2,14	3,68	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+20+35+35+71	0,99	0,99	1,74	1,74	3,54	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,61 - 3,29)	1090	10,40	1,15	1,15	2,01	2,01	4,08	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,64 - 3,62)	1130	10,60
20+20+35+42+42	1,13	1,13	1,98	2,38	2,38	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,31	1,31	2,28	2,75	2,75	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,62)	1085	10,20
20+20+35+42+50	1,08	1,08	1,89	2,26	2,69	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,25	1,25	2,18	2,62	3,10	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
20+20+35+42+60	1,02	1,02	1,78	2,14	3,04	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,18	1,18	2,06	2,47	3,51	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
20+20+35+50+50	1,03	1,03	1,80	2,57	2,57	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	1,19	1,19	2,08	2,97	2,97	10,40 (3,40 - 14,50)	4,41	4,68 A++	2,36 (0,75 - 3,64)	1180	11,10
20+20+42+42+42	1,08	1,08	2,28	2,28	2,28	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,25	1,25	2,63	2,63	2,63	10,39 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
20+20+42+42+50	1,03	1,03	2,17	2,17	2,60	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,20	1,20	2,51	2,51	2,98	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,61)	1130	10,60
20+20+42+50+50	0,99	0,99	2,08	2,47	2,47	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	1,14	1,14	2,40	2,86	2,86	10,40 (3,40 - 14,50)	4,39	4,68 A++	2,37 (0,75 - 3,69)	1185	11,10

Free Multi 5x1 CU-5Z90TBE. Minimum capacity connected: 4,50kW. Maximum capacity connected: 18,30kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms						EER	SEER [1]	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms						COP	SCOP [1]	Input power rating	A.E.C.	Current
	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V	A	B	C	D	E	Total (Min - Max)	W/W		kW	kWh	230V
20+25+25+25+25	1,48	1,88	1,88	1,88	1,88	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	1,72	2,17	2,17	2,17	2,17	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,46 - 3,67)	1065	10,00
20+25+25+25+35	1,38	1,73	1,73	1,73	2,43	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,60	2,00	2,00	2,00	2,80	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
20+25+25+25+42	1,31	1,64	1,64	1,64	2,77	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,52	1,90	1,90	1,90	3,18	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
20+25+25+25+50	1,24	1,55	1,55	1,55	3,11	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,43	1,79	1,79	1,79	3,60	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+25+25+25+60	1,16	1,45	1,45	1,45	3,49	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,34	1,68	1,68	1,68	4,02	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
20+25+25+25+71	1,08	1,36	1,36	1,36	3,84	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,25	1,57	1,57	1,57	4,44	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,59 - 3,61)	1095	10,30
20+25+25+35+35	1,28	1,61	1,61	2,25	2,25	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,48	1,86	1,86	2,60	2,60	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
20+25+25+35+42	1,22	1,53	1,53	2,14	2,58	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,41	1,77	1,77	2,48	2,97	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
20+25+25+35+50	1,16	1,45	1,45	2,03	2,91	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,34	1,68	1,68	2,35	3,35	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
20+25+25+35+60	1,09	1,36	1,36	1,91	3,28	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,26	1,58	1,58	2,21	3,77	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
20+25+25+35+71	1,02	1,28	1,28	1,79	3,63	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,18	1,48	1,48	2,07	4,19	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
20+25+25+42+42	1,18	1,46	1,46	2,45	2,45	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,34	1,69	1,69	2,84	2,84	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,59)	1090	10,20
20+25+25+42+50	1,11	1,39	1,39	2,33	2,78	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,28	1,60	1,60	2,70	3,22	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
20+25+25+42+60	1,05	1,31	1,31	2,20	3,13	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,21	1,51	1,51	2,54	3,63	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
20+25+25+42+71	0,98	1,23	1,23	2,07	3,49	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,14	1,42	1,42	2,39	4,03	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+25+25+50+50	1,06	1,32	1,32	2,65	2,65	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,22	1,53	1,53	3,06	3,06	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+25+25+50+60	1,00	1,25	1,25	2,50	3,00	9,00 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,16	1,44	1,44	2,89	3,47	10,40 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
20+25+35+35+35	1,20	1,50	2,10	2,10	2,10	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,38	1,73	2,43	2,43	2,43	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,64)	1090	10,20
20+25+35+35+42	1,15	1,43	2,01	2,01	2,40	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,50 - 3,34)	1075	10,30	1,32	1,66	2,32	2,32	2,78	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,53 - 3,63)	1090	10,20
20+25+35+35+50	1,09	1,36	1,91	1,91	2,73	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,26	1,58	2,21	2,21	3,14	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+25+35+35+60	1,03	1,29	1,80	1,80	3,08	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,19	1,49	2,08	2,08	3,56	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
20+25+35+42+42	1,10	1,37	1,93	2,30	2,30	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,27	1,59	2,22	2,66	2,66	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,62)	1085	10,20
20+25+35+42+50	1,05	1,31	1,83	2,20	2,61	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,21	1,51	2,12	2,54	3,02	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
20+25+35+42+60	0,99	1,24	1,73	2,08	2,96	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,14	1,43	2,00	2,40	3,43	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
20+25+35+50+50	1,00	1,25	1,75	2,50	2,50	9,00 (2,90 - 11,50)	3,96	8,50 A+++	2,27 (0,67 - 3,24)	1135	10,90	1,16	1,44	2,02	2,89	2,89	10,40 (3,40 - 14,50)	4,41	4,68 A++	2,36 (0,75 - 3,64)	1180	11,10
20+25+42+42+42	1,05	1,32	2,21	2,21	2,21	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,23	1,52	2,55	2,55	2,55	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
20+25+42+42+50	1,01	1,26	2,11	2,11	2,51	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,16	1,45	2,44	2,44	2,91	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,61)	1130	10,60
20+35+35+35+35	1,12	1,97	1,97	1,97	1,97	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,28	2,28	2,28	2,28	2,28	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
20+35+35+35+42	1,08	1,89	1,89	1,89	2,25	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,25	2,18	2,18	2,18	2,61	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,55 - 3,60)	1085	10,20
20+35+35+35+50	1,03	1,80	1,80	1,80	2,57	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,19	2,08	2,08	2,08	2,97	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,61)	1130	10,60
20+35+35+42+42	1,04	1,81	1,81	2,17	2,17	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,20	2,09	2,09	2,51	2,51	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
20+35+35+42+50	0,99	1,73	1,73	2,08	2,47	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,14	2,00	2,00	2,40	2,86	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,66 - 3,60)	1130	10,60
20+35+42+42+42	0,99	1,74	2,09	2,09	2,09	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,15	2,02	2,41	2,41	2,41	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
25+25+25+25+25	1,80	1,80	1,80	1,80	1,80	9,00 (2,90 - 11,50)	4,09	8,50 A+++	2,20 (0,48 - 3,49)	1100	10,50	2,08	2,08	2,08	2,08	2,08	10,40 (3,40 - 14,50)	4,88	4,68 A++	2,13 (0,46 - 3,67)	1065	10,00
25+25+25+25+35	1,67	1,67	1,67	1,67	2,32	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,48 - 3,41)	1105	10,60	1,93	1,93	1,93	1,93	2,68	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,48 - 3,64)	1080	10,20
25+25+25+25+42	1,58	1,58	1,58	1,58	2,68	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,41)	1105	10,60	1,83	1,83	1,83	1,83	3,08	10,40 (3,40 - 14,50)	4,81	4,68 A++	2,16 (0,49 - 3,63)	1080	10,20
25+25+25+25+50	1,50	1,50	1,50	1,50	3,00	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,73	1,73	1,73	1,73	3,48	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
25+25+25+25+60	1,41	1,41	1,41	1,41	3,36	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,54 - 3,28)	1085	10,40	1,63	1,63	1,63	1,63	3,88	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,58 - 3,63)	1100	10,30
25+25+25+25+71	1,32	1,32	1,32	1,32	3,72	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,52	1,52	1,52	1,52	4,32	10,40 (3,40 - 14,50)	4,75	4,68 A++	2,19 (0,59 - 3,61)	1095	10,30
25+25+25+35+35	1,55	1,55	1,55	2,17	2,17	8,99 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,79	1,79	1,79	2,51	2,51	10,39 (3,40 - 14,50)	4,83	4,68 A++	2,15 (0,51 - 3,61)	1075	10,10
25+25+25+35+42	1,48	1,48	1,48	2,07	2,49	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,71	1,71	1,71	2,39	2,88	10,40 (3,40 - 14,50)	4,84	4,68 A++	2,15 (0,51 - 3,60)	1075	10,10
25+25+25+35+50	1,41	1,41	1,41	1,97	2,80	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,63	1,63	1,63	2,28	3,23	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
25+25+25+35+60	1,32	1,32	1,32	1,85	3,19	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,53	1,53	1,53	2,14	3,67	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,60 - 3,60)	1115	10,50
25+25+25+35+71	1,24	1,24	1,24	1,74	3,54	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,44	1,44	1,44	2,01	4,07	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,62 - 3,59)	1115	10,50
25+25+25+42+42	1,42	1,42	1,42	2,37	2,37	9,00 (2,90 - 11,50)	4,07	8,50 A+++	2,21 (0,49 - 3,42)	1105	10,60	1,64	1,64	1,64	2,74	2,74	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,59)	1090	10,20
25+25+25+42+50	1,35	1,35	1,35	2,26	2,69	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,56	1,56	1,56	2,62	3,10	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
25+25+25+42+60	1,27	1,27	1,27	2,14	3,05	9,00 (2,90 - 11,50)	4,15	8,50 A+++	2,17 (0,57 - 3,28)	1085	10,40	1,47	1,47	1,47	2,47	3,52	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,61 - 3,59)	1115	10,50
25+25+25+50+50	1,29	1,29	1,29	2,56	2,56	8,99 (2,90 - 11,50)	3,98	8,50 A+++	2,26 (0,66 - 3,23)	1130	10,80	1,49	1,49	1,49	2,96	2,96	10,39 (3,40 - 14,50)	4,46	4,68 A++	2,33 (0,72 - 3,66)	1165	10,90
25+25+35+35+35	1,45	1,45	2,03	2,03	2,03	8,99 (2,90 - 11,50)	4,18	8,50 A+++	2,15 (0,49 - 3,34)	1075	10,30	1,67	1,67	2,35	2,35	2,35	10,39 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,52 - 3,64)	1090	10,20
25+25+35+35+42	1,39	1,39	1,94	1,94	2,34	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,50 - 3,34)	1075	10,30	1,60	1,60	2,25	2,25	2,70	10,40 (3,40 - 14,50)	4,77	4,68 A++	2,18 (0,53 - 3,63)	1090	10,20
25+25+35+35+50	1,32	1,32	1,85	1,85	2,66	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,53	1,53	2,14	2,14	3,06	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
25+25+35+35+60	1,25	1,25	1,75	1,75	3,00	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,44	1,44	2,02	2,02	3,48	10,40 (3,40 - 14,50)	4,66	4,68 A++	2,23 (0,63 - 3,63)	1115	10,50
25+25+35+42+42	1,33	1,33	1,86	2,24	2,24	9,00 (2,90 - 11,50)	4,19	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,54	1,54	2,16	2,58	2,58	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,62)	1085	10,20
25+25+35+42+50	1,27	1,27	1,78	2,14	2,54	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,47	1,47	2,06	2,47	2,93	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,63 - 3,62)	1130	10,60
25+25+42+42+42	1,27	1,27	2,15	2,15	2,15	8,99 (2,90 - 11,50)	4,18	8,50 A+++	2,15 (0,52 - 3,35)	1075	10,30	1,48	1,48	2,48	2,48	2,48	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
25+35+35+35+35	1,36	1,91	1,91	1,91	1,91	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,56	2,21	2,21	2,21	2,21	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,54 - 3,61)	1085	10,20
25+35+35+35+42	1,31	1,83	1,83	1,83	2,20	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,51	2,12	2,12	2,12	2,53	10,40 (3,40 - 14,50)	4,79	4,68 A++	2,17 (0,55 - 3,60)	1085	10,20
25+35+35+35+50	1,25	1,75	1,75	1,75	2,50	9,00 (2,90 - 11,50)	4,13	8,50 A+++	2,18 (0,58 - 3,29)	1090	10,40	1,44	2,02	2,02	2,02	2,90	10,40 (3,40 - 14,50)	4,60	4,68 A++	2,26 (0,65 - 3,61)	1130	10,60
25+35+35+42+42	1,26	1,76	1,76	2,11	2,11	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	1,46	2,03	2,03	2,44	2,44	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,56 - 3,59)	1100	10,30
35+35+35+35+35	1,80	1,80	1,80	1,80	1,80	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	2,08	2,08	2,08	2,08	2,08	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,58)	1100	10,30
35+35+35+35+42	1,73	1,73	1,73	1,73	2,08	9,00 (2,90 - 11,50)	4,17	8,50 A+++	2,16 (0,53 - 3,35)	1080	10,30	2,00	2,00	2,00	2,00	2,40	10,40 (3,40 - 14,50)	4,73	4,68 A++	2,20 (0,57 - 3,63)	1100	10,30

1) Energy Label Scale from A+++ to D.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi: COMMERCIAL AIR TO AIR SOLUTIONS

Product quality and safety. All Panasonic air conditioners undergo strict quality and safety tests before sale. This rigorous process includes obtaining all necessary safety approvals, to ensure that all air conditioners we sell are not only built to the highest market standards, but are also completely safe.

PACi Elite: Newly designed next generation of commercial air conditioning

Outstanding performance at low temperatures, high energy efficiency, power consumption in remote controller display. The energy saving design structure of fans, fan motors, compressors and heat exchangers resulted in high COP value which ranked as one the top class in the industry. Additional benefits include reduced CO_2 emissions, energy consumption and operating costs.

PACi Elite. From 3,60 to 25,00kW.

- Meeting all necessary safety approvals to ensure quality and safety
- Top-class SEER: A+++ / SCOP: A+++ at 3,60kW (in 90x90 Cassette)
- Cooling operation is possible when outdoor temperature as high as 46°C
- DC inverter technology combined with R32 and R410A
- Cooling operation is possible when outdoor temperature is as low as -15°C
- Heating operation is possible when outdoor temperature is as low as -20°C
- Compact outdoor units
- Auto restart from outdoor unit
- Twin, Triple and Double-Twin connection possible

PACi Standard: For economy and value

With high quality design and engineering, the PACi Standard is the perfect solution for projects which demand quality on a limited budget. In addition, its compact and lightweight design makes it ideal for installations with limited space including small commercial and residential applications.
The outdoor unit is much more compact than the previous model. The slim and lightweight design means the PACi outdoor unit can be installed in a number of situations.

PACi Standard. From 6,00 to 14,00kW.

- Good balance, system cost vs energy efficiency
- Top class SEER/SCOP as a Standard Inverter category
  SEER: A++ / SCOP: A++ at 6,00 and 7,10kW (in 90x90 Cassette)
- Interchangeable controller with ECOi
- Compact outdoor units
- Twin connection possible
- Cooling operation up to -10°C
- Heating operation up to -15°C

New PACi R32 Refrigerant Gas

Panasonic recommends R32 because it is comparably environmentally friendly. Compared to R22 and R410A, R32 has a very low potential impact on global warming.

In line with the European Countries who are concerned in protecting and maintaining the environment by participating in the Montreal Protocol to protect the Ozone Layer and prevent Global Warming, Panasonic is leading the switch to R32.

1. Installation innovation.

- Extremely easy to install, practically the same as R410A. (Just remember to verify that the pressure gauge and vacuum pump are compatible with R32)
- This refrigerant is 100% pure, which makes it easier to recycle and reuse

2. Environmental innovation.

- Zero impact on the ozone layer
- 75% less impact on global warming vs R410A

3. Economic and energy consumption innovation.

- Lower cost and greater savings
- Higher energy efficiency than R410A

New Big PACi Elite R32

20,00 – 25,00 kW is ideally suited for small, mid retail applications.
In addition to its light net weight and compact body, split-able Hide Away design newly developed enables easy piping work in narrow installation space.

These models will be available in May 2019.

Panasonic Big PACi, not only environmental friendly but also groundbreaking products.

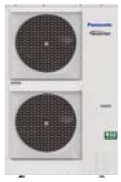
- High efficiency with Panasonic compressor as the driving force
- Compact and light indoor body
- Easy piping work with split-able Hide Away indoor design
- Separable indoor unit allows flexible installation to fit in narrow space
- Water Heat Exchanger compatibility
- Bluefin anti-rust coating
- Cloud Control compatible

RANGE OF COMMERCIAL UNITS R32

Page	Indoor units	2,50kW	3,50 ~ 3,60kW	4,50kW	5,00kW	6,00kW
P. 106	Wall Mounted Professional Inverter -20°C • R32 Gas	CS-Z25TKEA	CS-Z35TKEA	CS-Z42TKEA	CS-Z50TKEA	
P. 110	Wall Inverter+ • R32 Gas		S-36PK2E5B	S-45PK2E5B	S-50PK2E5B	S-60PK2E5B
P. 108	4 Way 60x60 Cassette Inverter • R32 Gas	 CS-Z25UB4EAW	 CS-Z35UB4EAW		 CS-Z50UB4EAW	 CS-Z60UB4EAW
P. 114	4 Way 60x60 Cassette Inverter+ • R32 Gas		 S-36PY2E5B	 S-45PY2E5B [1]	 S-50PY2E5B	
P. 116	4 Way 90x90 Cassette Inverter+ • R32 Gas		 S-36PU2E5B	 S-45PU2E5B	 S-50PU2E5B	 S-60PU2E5B
P. 120	Ceiling Inverter+ • R32 Gas		 S-36PT2E5B	 S-45PT2E5B	 S-50PT2E5B	 S-60PT2E5B
P. 109	Low Static Pressure Hide Away Inverter • R32 Gas	 CS-Z25UD3EAW	 CS-Z35UD3EAW		 CS-Z50UD3EAW	 CS-Z60UD3EAW
P. 124	High Static Pressure Hide Away Inverter+ • R32 Gas		 S-36PF1E5B	 S-45PF1E5B	 S-50PF1E5B	 S-60PF1E5B
P. 128	Low Static Pressure Hide Away Inverter+ • R32 Gas		 S-36PN1E5B	 S-45PN1E5B	 S-50PN1E5B	 S-60PN1E5B
P. 132	NEW High Static Pressure Hide Away 20-25kW Inverter+ • R32 Gas					
P. 144	Air Handling Unit Kit 5,00-25,00kW				 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)

Outdoor units	3,60kW	5,00kW	6,00kW
PACi Elite • R32 Gas	 U-36PZH2E5	 U-50PZH2E5	 U-60PZH2E5
PACi Standard • R32 Gas			 U-60PZ2E5

1) The 4,50kW indoor unit are only available only for Twin, Triple and Double-Twin combinations. 2) These models will be available in May 2019. * U-__E5 Single Phase / U-__E8 Three Phase.

7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
CS-Z71TKEA					
S-71PK2E5B	S-100PK2E5B (9,00kW)				
 S-71PU2E5B	 S-100PU2E5B	 S-125PU2E5B	 S-140PU2E5B		
 S-71PT2E5B	 S-100PT2E5B	 S-125PT2E5B	 S-140PT2E5B		
 S-71PF1E5B	 S-100PF1E5B	 S-125PF1E5B	 S-140PF1E5B		
 S-71PN1E5B	 S-100PN1E5B	 S-125PN1E5B	 S-140PN1E5B		
				 S-200PE3E5B [2]	 S-250PE3E5B [2]
 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)	 PAW-280PAH2(M/L)
7,10kW	**10,00kW**	**12,50kW**	**14,00kW**	**20,00kW**	**25,00kW**
 U-71PZH2E5 / U-71PZH2E8	 U-100PZH2E5 / U-100PZH2E8	 U-125PZH2E5 / U-125PZH2E8	 U-140PZH2E5 / U-140PZH2E8	 U-200PZH2E8 [2]	 U-250PZH2E8 [2]
 U-71PZ2E5	 U-100PZ2E5 / U-100PZ2E8	 U-125PZ2E5 / U-125PZ2E8	 U-140PZ2E5 / U-140PZ2E8		

SOLUTIONS FOR SERVER ROOMS

High efficiency products for 24/7 applications. Panasonic has developed a complete range of solutions for server rooms which efficiently protect your servers, keeping them at an appropriate temperature even when the outdoor temperature is below -20°C.

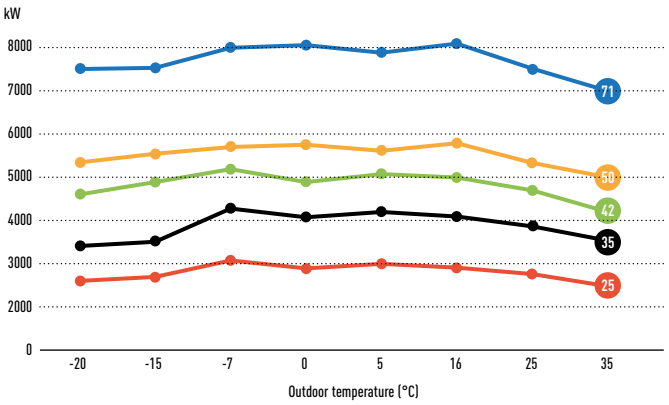
High efficiency all the year

Key points:

- From 2,50 to 7,10kW with new TKEA R32 gas units A+++ in cooling
- Backup function
- Redundancy function
- Alternative run function
- Error information by Dry Contact
- Operation even at -20°C outdoor temperature
- High seasonal performance
- Product design for 24/7 operation

Exceptional efficiency means exceptional savings

TKEA provides high capacity at -20°C!



Wall Mounted Professional Inverter -20°C • R32 Gas

KIT			KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA	KIT-Z71-TKEA
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)	4,20 (0,98 - 5,00)	5,00 (0,98 - 6,00)	7,10 (0,98 - 8,10)
EER [1]	Nominal (Min - Max)	W/W	4,90 (5,00 - 4,29)	4,07 (5,00 - 3,64)	3,82 (4,90 - 3,25)	3,60 (3,50 - 3,09)	3,17 (2,33 - 3,03)
SEER [2]			**8,50 A+++**	**8,50 A+++**	**8,50 A+++**	**8,50 A+++**	**6,10 A++**
Pdesign		kW	2,50	3,50	4,20	5,00	7,10
Input power cooling	Nominal (Min - Max)	kW	0,51 (0,17 - 0,70)	0,86 (0,17 - 1,10)	1,10 (0,20 - 1,54)	1,39 (0,28 - 1,94)	2,24 (0,42 - 2,67)
Annual energy consumption [3]		kWh/a	103	144	173	206	407
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,40)	4,00 (0,85 - 6,60)	5,40 (0,98 - 7,25)	5,80 (0,98 - 8,00)	8,60 (0,98 - 9,90)
Heating capacity at -7°C		kW	3,33	4,07	4,30	5,00	6,13
COP [1]	Nominal (Min - Max)	W/W	4,86 (5,15 - 4,12)	4,35 (5,15 - 3,63)	4,00 (4,45 - 3,37)	4,03 (2,88 - 3,20)	3,51 (2,45 - 3,47)
SCOP [2]			**4,50 A+**	**4,40 A+**	**4,30 A+**	**4,40 A+**	**4,00 A+**
Pdesign at -10°C		kW	2,80	3,60	3,80	4,40	5,50
Input power heating	Nominal (Min - Max)	kW	0,70 (0,17 - 1,31)	0,92 (0,17 - 1,82)	1,35 (0,22 - 2,15)	1,44 (0,34 - 2,50)	2,45 (0,40 - 2,85)
Annual energy consumption [3]		kWh/a	871	1145	1237	1400	1925
Indoor unit			**CS-Z25TKEA**	**CS-Z35TKEA**	**CS-Z42TKEA**	**CS-Z50TKEA**	**CS-Z71TKEA**
Power source		V	230	230	230	230	230
Recommended fuse		A	16	16	16	16	20
Connection indoor / outdoor		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 2,5	4 x 2,5
Air Volume	Cool / Heat	m³/min	10,4 / 11,7	10,7 / 12,4	18,2 / 20,2	19,2 / 21,3	20,2 / 21,0
Moisture removal volume		L/h	1,5	2,0	2,4	2,8	4,1
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	39 / 25 / 21	42 / 28 / 21	43 / 32 / 29	44 / 37 / 30	47 / 38 / 35
	Heat (Hi / Lo / Q-Lo)	dB(A)	41 / 27 / 22	43 / 30 / 22	44 / 35 / 29	44 / 37 / 30	47 / 38 / 35
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	12	12	13
Outdoor unit			**CU-Z25TKEA**	**CU-Z35TKEA**	**CU-Z42TKEA**	**CU-Z50TKEA**	**CU-Z71TKEA**
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	46 / 48	48 / 50	48 / 50	48 / 50	52 / 54
Dimension [5]	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	37	38	38	43	49
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) [6]		m	15	15	15	15	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5	10
Additional gas amount		g/m	10	10	10	15	25
Refrigerant (R32) / CO_2 Eq.		kg / T	0,96 / 0,648	1,00 / 0,675	1,08 / 0,729	1,15 / 0,776	1,32 / 0,891
Operating range	Cool Min ~ Max	°C	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDSTD40	Outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-SERVER-PKEA	PCB for installation in server rooms with security

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0,8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A+++ 8,50 SEER | A+ 4,50 SCOP | INVERTER | R2 ROTARY COMPRESSOR | AEROWINGS | 21dB(A) | -20°C COOLING MODE | -15°C HEATING MODE | R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-Z25-TKEA. SUPER QUIET: For KIT-Z25-TKEA. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.



CZ-BT20EW
RAL9010 panel for 4 Way 60x60 Cassette.

CZ-TACG1
Optional WLAN Panasonic Comfort Cloud for internet control.

4 Way 60x60 Cassette Inverter • R32 Gas

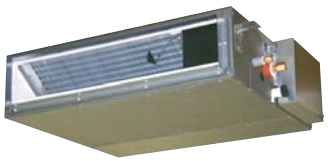
KIT			KIT-Z25-UB4	KIT-Z35-UB4	KIT-Z50-UB4	KIT-Z60-UB4
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,20)	3,50 (0,85 - 4,00)	5,00 (0,90 - 5,80)	6,00 (0,90 - 6,35)
EER [1]	Nominal (Min - Max)	W/W	4,55 (3,54 - 3,90)	3,89 (3,54 - 3,39)	3,25 (3,53 - 3,09)	2,93 (3,53 - 2,89)
SEER [2]			**6,30** A+++	**6,50** A+++	**6,40** A+++	**6,20** A+++
Pdesign (cooling)		kW	2,50	3,50	5,00	6,00
Input power cooling	Nominal (Min - Max)	kW	0,55 (0,24 - 0,82)	0,90 (0,24 - 1,18)	1,54 (0,26 - 1,88)	2,05 (0,26 - 2,20)
Annual energy consumption [3]		kWh/a	139	188	273	339
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 4,80)	4,50 (0,85 - 5,60)	5,60 (0,90 - 7,10)	7,00 (0,90 - 8,00)
Heating capacity at -7°C		kW	2,88	3,37	4,40	5,10
COP [1]	Nominal (Min - Max)	W/W	4,05 (3,70 - 3,64)	3,31 (3,70 - 3,20)	3,03 (3,46 - 2,95)	2,92 (3,46 - 2,91)
SCOP [2]			**4,30** A+	**4,20** A+	**4,30** A+	**4,20** A+
Pdesign at -10°C		kW	2,70	3,00	3,80	4,00
Input power heating	Nominal (Min - Max)	kW	0,79 (0,23 - 1,32)	1,36 (0,23 - 1,75)	1,85 (0,26 - 2,41)	2,40 (0,26 - 2,75)
Annual energy consumption [3]		kWh/a	879	1000	1237	1333
Indoor unit			**CS-Z25UB4EAW**	**CS-Z35UB4EAW**	**CS-Z50UB4EAW**	**CS-Z60UB4EAW**
Panel			**CZ-BT20EW**	**CZ-BT20EW**	**CZ-BT20EW**	**CZ-BT20EW**
Air volume	Cool / Heat	m³/min	10,5 / 10,8	10,5 / 10,8	11,5 / 11,8	12,4 / 13,5
Moisture removal volume		L/h	1,5	2,0	2,8	3,3
Sound pressure [4]	Cool (Hi / Lo / Q-Lo)	dB(A)	34 / 25 / 22	34 / 26 / 23	37 / 28 / 25	42 / 32 / 29
	Heat (Hi / Lo / Q-Lo)	dB(A)	35 / 28 / 25	35 / 28 / 25	38 / 29 / 26	43 / 32 / 29
Dimension (H x W x D)	Indoor	mm	260 x 575 x 575	260 x 575 x 575	260 x 575 x 575	260 x 575 x 575
	Panel	mm	51 x 700 x 700	51 x 700 x 700	51 x 700 x 700	51 x 700 x 700
Net weight	Indoor / Panel	kg	18 / 2,5	18 / 2,5	18 / 2,5	18 / 2,5
Outdoor unit			**CU-Z25UBEA**	**CU-Z35UBEA**	**CU-Z50UBEA**	**CU-Z60UBEA**
Power source		V	230	230	230	230
Recommended fuse		A	—	—	—	—
Connection indoor / outdoor		mm²	—	—	—	—
Air volume	Cool / Heat	m³/min	28,7 / 27,2	34,3 / 33,5	39,7 / 38,6	42,6 / 41,5
Sound pressure [4]	Cool / Heat (Hi)	dB(A)	46 / 47	48 / 48	48 / 48	49 / 50
Dimension [5]	H x W x D	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	33	35	43	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) [6]		m	15	15	20	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32) / CO_2 Eq.		kg / T	0,88 / 0,594	0,93 / 0,628	1,13 / 0,763	1,13 / 0,763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
CZ-RD52CP	Wired remote controller for Cassette

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1,5m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70 mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.

SCOP and SEER: For KIT-Z35-UB4EA. SUPER QUIET: For KIT-Z25-UB4EA. INTERNET CONTROL: Optional.



CZ-RL511D
NEW optional wireless kit.

CZ-TACG1
Optional WLAN Panasonic Comfort Cloud for internet control.

Low Static Pressure Hide Away Inverter • R32 Gas

KIT			KIT-Z25-UD3	KIT-Z35-UD3	KIT-Z50-UD3	KIT-Z60-UD3
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,20)	3,50 (0,85 - 4,00)	5,10 (0,90 - 5,70)	6,00 (0,90 - 6,50)
EER [1]	Nominal (Min - Max)	W/W	4,31 (3,54 - 3,76)	3,85 (3,54 - 3,36)	3,27 (3,53 - 3,20)	2,94 (3,53 - 2,83)
SEER [2]			**5,90** A+	**5,80** A+	**5,90** A+	**5,60** A+
Pdesign (cooling)		kW	2,50	3,50	5,10	6,00
Input power cooling	Nominal (Min - Max)	kW	0,58 (0,24 - 0,85)	0,91 (0,24 - 1,19)	1,56 (0,26 - 1,78)	2,04 (0,26 - 2,30)
Annual energy consumption [3]		kWh/a	148	211	303	375
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 4,60)	4,20 (0,85 - 5,10)	6,10 (0,90 - 7,20)	7,00 (0,90 - 8,00)
Heating capacity at -7°C		kW	2,60	3,00	4,50	5,10
COP [1]	Nominal (Min - Max)	W/W	4,00 (3,70 - 3,68)	3,82 (3,70 - 3,59)	3,35 (3,46 - 3,27)	3,24 (3,46 - 3,08)
SCOP [2]			**4,20** A+	**4,10** A+	**4,10** A+	**4,10** A+
Pdesign at -10°C		kW	2,60	2,80	4,00	4,60
Input power heating	Nominal (Min - Max)	kW	0,80 (0,23 - 1,25)	1,10 (0,23 - 1,42)	1,82 (0,26 - 2,20)	2,16 (0,26 - 2,60)
Annual energy consumption [3]		kWh/a	867	956	1366	1571
Indoor unit			**CS-Z25UD3EAW**	**CS-Z35UD3EAW**	**CS-Z50UD3EAW**	**CS-Z60UD3EAW**
External static pressure [4]	Min - Max	Pa	15 - 45	15 - 45	15 - 50	15 - 50
Air volume	Cool / Heat	m³/min	10,5 / 10,5	11,2 / 11,2	15,3 / 15,3	15,7 / 15,7
Moisture removal volume		L/h	1,5	2,0	2,8	3,3
Sound pressure [5]	Cool (Hi / Lo / Q-Lo)	dB(A)	33 / 27 / 24	33 / 27 / 24	39 / 29 / 26	41 / 30 / 27
	Heat (Hi / Lo / Q-Lo)	dB(A)	35 / 27 / 24	35 / 27 / 24	39 / 30 / 27	41 / 32 / 29
Dimension	H x W x D	mm	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight		kg	19	19	19	19
Outdoor unit			**CU-Z25UBEA**	**CU-Z35UBEA**	**CU-Z50UBEA**	**CU-Z60UBEA**
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	—
Connection indoor / outdoor		mm²	4 x 1,5 ~ 2,5	4 x 1,5 ~ 2,5	4 x 1,5 ~ 2,5	—
Air volume	Cool / Heat	m³/min	28,7 / 27,2	34,3 / 33,5	39,7 / 38,6	42,6 / 41,5
Sound pressure [5]	Cool / Heat (Hi)	dB(A)	46 / 47	48 / 48	48 / 48	49 / 50
Dimension [6]	H x W x D	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	33	35	43	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) [7]		m	15	15	20	20
Pipe length for additional gas		m	7,5	7,5	7,5	7,5
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32) / CO_2 Eq.		kg / T	0,88 / 0,594	0,93 / 0,628	1,13 / 0,763	1,13 / 0,763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link

Accessories	
CZ-RL511D	NEW Infrared remote controller Sky Remote. 2m cable length of infrared receiver

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The specification listed on the table indicates values under the condition of 25Pa (2,5mmAq) which are applied for factory default setting. Change switch on PCB from Hi to S-Hi to have more than 6,0 mmAq. 5) The sound pressure of the indoor unit shows the value measured of a position of 1,5m below the unit with 1m duct on the suction side and 2m duct on the discharge side. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. 6) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.

R32 | A+ 5,90 SEER | A+ 4,20 SCOP | INVERTER | R2 ROTARY COMPRESSOR | STATIC PRESSURE UP TO 7 mmAq | -10°C COOLING MODE | -15°C HEATING MODE | FILTER INCLUDED | R22/R410A RENEWAL | INTEGRATION TO P-LINK | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SCOP and SEER: For KIT-Z25-UD3EA. INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Wall Mounted Inverter+ • R32 Gas

			Single Phase				
			3,60kW	5,00kW	6,00kW	7,10kW	9,00kW
KIT			**KIT-36PK2ZH5**	**KIT-50PK2ZH5**	**KIT-60PK2ZH5**	**KIT-71PK2ZH5**	**KIT-100PK2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 ~ 4,00)	5,00 (1,50 ~ 5,60)	6,10 (2,00 ~ 7,10)	7,10 (2,20 ~ 9,00)	9,50 (3,10 ~ 10,50)
EER [1]		W/W	4,90	4,10	3,86	3,50	3,26
SEER [2]			**8,00 A++**	**7,60 A++**	**7,20 A++**	**6,80 A++**	**6,40 A++**
Pdesign		kW	3,60	5,00	6,10	7,10	9,50
Input power cooling		kW	0,74	1,22	1,58	2,03	2,91
Annual energy consumption [3]		kWh/a	157	230	297	365	520
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 ~ 5,00)	5,60 (1,50 ~ 6,50)	7,00 (1,80 ~ 8,00)	8,00 (2,00 ~ 9,00)	9,50 (3,10 ~ 11,50)
COP [1]		W/W	4,94	4,21	4,46	4,00	3,97
SCOP [2]			**4,90 A++**	**4,70 A++**	**4,80 A++**	**4,70 A++**	**4,10 A+**
Pdesign at -10°C		kW	3,60	4,50	6,00	5,20	8,00
Input power heating		kW	0,81	1,33	1,57	2,00	2,39
Annual energy consumption [3]		kWh/a	1029	1340	1750	1549	2732
Indoor unit			**S-36PK2E5B**	**S-50PK2E5B**	**S-60PK2E5B**	**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m³/min	13,0 / 11,0 / 9,0	16,0 / 14,0 / 11,0	20,0 / 18,0 / 15,0	20,0 / 17,5 / 14,5	22,0 / 18,5 / 15,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	35 / 31 / 27	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	13	13	14	14	14
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,55 / 3,40 / 3,25	5,70 / 5,50 / 5,25	7,70 / 7,35 / 7,05	9,55 / 9,10 / 8,75	13,50 / 12,90 / 12,40
	Heat (Hi / Med / Lo)	A	3,95 / 3,75 / 3,60	6,35 / 6,05 / 5,80	7,65 / 7,30 / 7,00	9,20 / 8,80 / 8,50	11,10 / 10,60 / 10,10
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Elite Wall Mounted Inverter+ • R32 Gas

			Three Phase	
			7,10kW	**9,00kW**
KIT			**KIT-71PK2ZH8**	**KIT-100PK2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 ~ 9,00)	9,50 (3,10 ~ 10,50)
EER [1]		W/W	3,50	3,26
SEER [2]			**6,70 A++**	**6,30 A++**
Pdesign		kW	7,10	9,50
Input power cooling		kW	2,03	2,91
Annual energy consumption [3]		kWh/a	370	526
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 ~ 9,00)	9,50 (3,10 ~ 11,50)
COP [1]		W/W	4,00	3,97
SCOP [2]			**4,70 A++**	**4,10 A+**
Pdesign at -10°C		kW	5,20	8,00
Input power heating		kW	2,00	2,39
Annual energy consumption [3]		kWh/a	1549	2732
Indoor unit			**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,0 / 17,5 / 14,5	22,0 / 18,5 / 15,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	3,20 / 3,05 / 2,95	4,60 / 4,35 / 4,20
	Heat (Hi / Med / Lo)	A	3,10 / 3,00 / 2,85	3,75 / 3,55 / 3,45
Air volume	Cool / Heat	m^3/min	61 / 60	118 / 108
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85
Elevation difference (in/out) [5]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-36PK2ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Wall Mounted Inverter+ • R32 Gas

			Single Phase		
			6,00kW	7,10kW	9,00kW
KIT			**KIT-60PK2Z5**	**KIT-71PK2Z5**	**KIT-100PK2Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,10 (2,00 - 7,10)	7,10 (2,00 - 7,70)	9,00 (3,00 - 9,70)
EER [1]	Nominal (Min - Max)	W/W	3,79	3,21	3,47 (5,36 - 3,13)
SEER [2]			**6,80 A++**	**6,40 A++**	**6,50 A++**
Pdesign		kW	6,10	7,10	9,00
Input power cooling	Nominal (Min - Max)	kW	1,61	2,21	2,59 (0,56 - 3,10)
Annual energy consumption [3]		kWh/a	314	388	485
Heating capacity	Nominal (Min - Max)	kW	6,10 (1,80 - 7,00)	7,10 (1,80 - 8,10)	9,00 (3,00 - 10,50)
COP [1]	Nominal (Min - Max)	W/W	4,80	4,41	3,93 (5,36 - 3,56)
SCOP [2]			**4,70 A++**	**4,60 A++**	**3,90 A**
Pdesign at -10°C		kW	6,00	6,00	9,00
Input power heating	Nominal (Min - Max)	kW	1,27	1,61	2,29 (0,56 - 2,95)
Annual energy consumption [3]		kWh/a	1787	1826	3231
Indoor unit			**S-60PK2E5B**	**S-71PK2E5B**	**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,0 / 18,0 / 15,0	20,0 / 18,0 / 15,0	22,0 / 18,5 / 15,0
Moisture removal volume		L/h	2,0	3,0	4,3
Sound pressure [4]	Hi / Med / Lo	dB(A)	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41
Sound power	Hi / Med / Lo	dB	63 / 60 / 56	63 / 60 / 56	65 / 61 / 57
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14	14
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	7,85 / 7,50 / 7,20	10,70 / 10,20 / 9,85	12,10 / 11,50 / 11,10
	Heat (Hi / Med / Lo)	A	6,10 / 5,85 / 5,60	7,85 / 7,50 / 7,20	10,60 / 10,20 / 9,70
Air volume	Cool / Heat	m^3/min	40 / 45	50 / 45	76 / 70
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370
Net weight		kg	44	44	90
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	35	35	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Standard Wall Mounted Inverter+ • R32 Gas

			Three Phase
			9,00kW
KIT			**KIT-100PK2Z8**
Remote controller			**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	9,00 (3,00 - 9,70)
EER [1]	Nominal (Min - Max)	W/W	3,47 (5,36 - 3,13)
SEER [2]			**6,50 A++**
Pdesign		kW	9,00
Input power cooling	Nominal (Min - Max)	kW	2,59 (0,56 - 3,10)
Annual energy consumption [3]		kWh/a	485
Heating capacity	Nominal (Min - Max)	kW	9,00 (3,00 - 10,50)
COP [1]	Nominal (Min - Max)	W/W	3,93 (5,36 - 3,56)
SCOP [2]			**3,90 A**
Pdesign at -10°C		kW	9,00
Input power heating	Nominal (Min - Max)	kW	2,29 (0,56 - 2,95)
Annual energy consumption [3]		kWh/a	3231
Indoor unit			**S-100PK2E5B**
Air volume	Hi / Med / Lo	m^3/min	22,0 / 18,5 / 15,0
Moisture removal volume		L/h	4,3
Sound pressure [4]	Hi / Med / Lo	dB(A)	49 / 45 / 41
Sound power	Hi / Med / Lo	dB	65 / 61 / 57
Dimension	H x W x D	mm	302 x 1120 x 236
Net weight		kg	14
Outdoor unit			**U-100PZ2E8**
Power source		V	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,10 / 3,90 / 3,75
	Heat (Hi / Med / Lo)	A	3,60 / 3,45 / 3,30
Air volume	Cool / Heat	m^3/min	76 / 70
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52
Sound power	Cool / Heat (Hi)	dB	70 / 70
Dimension	H x W x D	mm	996 x 980 x 370
Net weight		kg	90
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)
Pipe length range		m	5 ~ 50
Elevation difference (in/out) [5]		m	30
Pipe length for additional gas		m	30
Additional gas amount		g/m	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755
Operating range	Cool Min ~ Max	°C	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-60PK2Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

CZ-KPY3AW
Panel 700 x 700mm.

CZ-KPY3BW
Panel 625 x 625mm.

CZ-RWS3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

PACi Elite 4 Way 60x60 Cassette Inverter+ • R32 Gas

			Single Phase	
			3,60kW	**5,00kW**
KIT			**KIT-36PY2ZH5**	**KIT-50PY2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)
EER [1]		W/W	4,68	3,68
SEER [2]			**6,60 A++**	**6,40 A++**
Pdesign		kW	3,60	5,00
Input power cooling		kW	0,77	1,36
Annual energy consumption [3]		kWh/a	191	273
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50-6,50)
COP [1]		W/W	4,26	3,46
SCOP [2]			**4,60 A++**	**4,30 A+**
Pdesign at -10°C		kW	3,60	4,50
Input power heating		kW	0,94	1,62
Annual energy consumption [3]		kWh/a	1096	1465
Indoor unit			**S-36PY2E5B**	**S-50PY2E5B**
Air volume	Hi / Med / Lo	m³/min	9,7 / 8,0 / 6,0	11,1 / 9,8 / 8,5
Moisture removal volume		L/h	1,5	2,4
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 32 / 26	40 / 37 / 33
Sound power	Hi / Med / Lo	dB	51 / 47 / 41	55 / 52 / 48
Dimension (H x W x D) / Net weight	Indoor	mm / kg	288 x 583 x 583 / 18	288 x 583 x 583 / 18
	CZ-KPY3AW Panel	mm / kg	31 x 700 x 700 / 2,4	31 x 700 x 700 / 2,4
	CZ-KPY3BW Panel	mm / kg	31 x 625 x 625 / 2,4	31 x 625 x 625 / 2,4
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,65 / 3,50 / 3,35	6,35 / 6,10 / 5,85
	Heat (Hi / Med / Lo)	A	4,50 / 4,30 / 4,15	7,70 / 8,40 / 8,10
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68
Dimension / Net weight	H x W x D	mm / kg	695 x 875 x 320 / 43	695 x 875 x 320 / 43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)
Pipe length range		m	3 ~ 40	3 ~ 40
Elevation difference (in/out) [5]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	20	20
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with datanavi
CZ-RWS3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

R32 | A++ 6,60 SEER | A++ 6,40 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-36PY2ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi Standard 4 Way 60x60 Cassette Inverter+ • R32 Gas

			3,60kW	4,50kW	5,00kW
Indoor unit			**S-36PY2E5B**	**S-45PY2E5B**[1)]	**S-50PY2E5B**
Cooling capacity		kW	3,60	4,50	5,00
Heating capacity		kW	4,00	5,20	5,60
Current	Cool	A	0,30	0,32	0,35
	Heat	A	0,30	0,30	0,35
Input power	Cool	kW	0,04	0,04	0,05
	Heat	kW	0,04	0,04	0,04
Air volume	Cool (Hi / Med / Lo)	m^3/min	9,7/8,0/6,0	10,0/8,8/7,0	11,1/9,8/8,5
	Heat (Hi / Med / Lo)	m^3/min	9,9/8,2/6,0	10,3/9,2/7,0	11,1/9,8/8,7
Moisture removal volume		L/h	1,5	2,2	2,4
Sound pressure [6)]	Cool (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
	Heat (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
Sound power	Cool (Hi / Med / Lo)	dB	51/47/41	53/49/43	55/52/48
	Heat (Hi / Med / Lo)	dB	51/47/41	53/49/43	55/52/48
Dimension (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel CZ-KPY3AW	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel CZ-KPY3BW	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Net weight	Indoor	kg	18	18	18
	Panel	kg	2,4	2,4	2,4
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)
Operating range	Cool Min ~ Max	°C	+18 ~ +32	+18 ~ +32	+18 ~ +32
	Heat Min ~ Max	°C	+16 ~ +30	+16 ~ +30	+16 ~ +30

1) Only for multi combinations.
Recommended fuse for the indoor 3A.

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

CZ-KPU3W
Standard panel.

CZ-KPU3AW
Optional Econavi panel (CZ-RTC5B is required).

CZ-CNEXU1
Optional nanoe™ X kit (CZ-RTC5B is required).

PACi Elite 4 Way 90x90 Cassette Inverter+ • R32 Gas

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PU2ZH5**	**KIT-50PU2ZH5**	**KIT-60PU2ZH5**	**KIT-71PU2ZH5**	**KIT-100PU2ZH5**	**KIT-125PU2ZH5**	**KIT-140PU2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	5,22	4,31	4,05	4,06	4,41	3,80	3,41
SEER [2]			**8,50 A+++**	**8,20 A++**	**8,00 A++**	**7,70 A++**	**7,80 A++**	**7,68**	**7,24**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,69	1,16	1,48	1,75	2,27	3,29	4,11
Annual energy consumption [3]		kWh/a	148	213	262	323	449	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	5,48	4,71	4,29	4,30	5,00	4,61	4,30
SCOP [2]			**5,10 A+++**	**4,90 A++**	**4,80 A++**	**4,80 A++**	**4,90 A++**	**4,73**	**4,60**
Pdesign at -10°C		kW	3,60	4,50	6,00	5,20	8,00	9,50	10,60
Input power heating		kW	0,73	1,19	1,63	1,86	2,24	3,04	3,72
Annual energy consumption [3]		kWh/a	988	1286	1750	1517	2286	—	—
Indoor unit			**S-36PU2E5B**	**S-50PU2E5B**	**S-60PU2E5B**	**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	14,5 / 13,0 / 11,5	16,5 / 13,5 / 11,5	21,0 / 16,0 / 13,0	22,0 / 16,0 / 13,0	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	30 / 28 / 27	32 / 29 / 27	36 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	19 / 5	19 / 5	20 / 5	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,35 / 3,20 / 3,05	5,45 / 5,25 / 5,00	7,30 / 6,95 / 6,70	8,25 / 7,90 / 7,55	10,40 / 9,95 / 9,50	15,20 / 14,50 / 13,90	19,10 / 18,20 / 17,50
	Heat (Hi / Med / Lo)	A	3,55 / 3,40 / 3,25	5,70 / 5,45 / 5,20	8,05 / 7,70 / 7,40	8,60 / 8,25 / 8,00	10,20 / 9,80 / 9,40	14,00 / 13,40 / 12,80	17,20 / 16,50 / 15,80
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
CZ-KPU3AW	Econavi exclusive panel
CZ-CNEXU1	nanoe™ X air purifying system

Accessories	
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRU3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

PACi Elite 4 Way 90x90 Cassette Inverter+ • R32 Gas

			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PU2ZH8**	**KIT-100PU2ZH8**	**KIT-125PU2ZH8**	**KIT-140PU2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 ~ 9,00)	10,00 (3,10 ~ 12,50)	12,50 (3,20 ~ 14,00)	14,00 (3,30 ~ 16,00)
EER [1]		W/W	4,06	4,41	3,80	3,41
SEER [2]			**7,60 A++**	**7,70 A++**	**7,64**	**7,22**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	1,75	2,27	3,29	4,11
Annual energy consumption [3]		kWh/a	327	455	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 ~ 9,00)	11,20 (3,10 ~ 14,00)	14,00 (3,20 ~ 16,00)	16,00 (3,30 ~ 18,00)
COP [1]		W/W	4,30	5,00	4,61	4,30
SCOP [2]			**4,80 A++**	**4,90 A++**	**4,73**	**4,60**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	1,86	2,24	3,04	3,72
Annual energy consumption [3]		kWh/a	1517	2286	—	—
Indoor unit			**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m^3/min	22,0 / 16,0 / 13,0	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	2,75 / 2,65 / 2,55	3,50 / 3,35 / 3,20	5,15 / 4,90 / 4,70	6,45 / 6,15 / 5,90
	Heat (Hi / Med / Lo)	A	2,90 / 2,80 / 2,70	3,45 / 3,30 / 3,15	4,75 / 4,50 / 4,35	5,85 / 5,55 / 5,35
Air volume	Cool / Heat	m^3/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A+++ 8,50 SEER | A+++ 5,10 SCOP | 28% ECONAVI | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | nanoe X | DC FAN | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-36PU2ZH5. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

CZ-KPU3W
Standard panel.

CZ-KPU3AW
Optional Econavi panel (CZ-RTC5B is required).

CZ-CNEXU1
Optional nanoe™ X kit (CZ-RTC5B is required).

PACi Standard 4 Way 90x90 Cassette Inverter+ • R32 Gas

			Single Phase				
			6,00kW	**7,10kW**	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-60PU2Z5**	**KIT-71PU2Z5**	**KIT-100PU2Z5**	**KIT-125PU2Z5**	**KIT-140PU2Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	4,00	3,50	3,82 (5,36 - 2,88)	3,58 (5,33 - 2,81)	3,23 (5,32 - 2,73)
SEER [2]			**7,60 A++**	**7,60 A++**	**6,80 A++**	**6,75**	**6,51**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,50	2,03	2,62 (0,56 - 4,00)	3,49 (0,60 - 4,80)	4,34 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	276	327	515	—	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,72	4,36	4,93 (3,59 - 5,36	4,43 (3,57 - 5,50	4,18 (3,33 - 5,48)
SCOP [2]			**4,70 A++**	**4,70 A++**	**4,40 A+**	**4,01**	**3,89**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	1,27	1,63	2,03 (0,56 - 3,90)	2,82 (0,60 - 4,20)	3,35 (0,62 - 4,80)
Annual energy consumption [3]		kWh/a	1787	1787	3182	—	—
Indoor unit			**S-60PU2E5B**	**S-71PU2E5B**	**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m³/min	21,0 / 16,0 / 13,0	22,0 / 16,0 / 13,0	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Moisture removal volume		L/h	1,7	2,5	2,7	4,8	6,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Sound power	Hi / Med / Lo	dB	51 / 46 / 43	52 / 46 / 43	60 / 53 / 47	61 / 54 / 48	62 / 55 / 49
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	20 / 5	20 / 5	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	7,40 / 7,05 / 6,75	9,95 / 9,50 / 9,10	12,10 / 11,50 / 11,10	16,30 / 15,60 / 15,00	20,40 / 19,50 / 18,70
	Heat (Hi / Med / Lo)	A	6,25 / 5,95 / 5,70	8,05 / 7,70 / 7,35	9,25 / 8,85 / 8,50	13,10 / 12,60 / 12,00	15,60 / 15,00 / 14,30
Air volume	Cool / Heat	m³/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRU3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
CZ-KPU3AW	Econavi exclusive panel
CZ-CNEXU1	nanoe™ X air purifying system

Accessories	
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRU3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

PACi Standard 4 Way 90x90 Cassette Inverter+ • R32 Gas

			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PU2Z8**	**KIT-125PU2Z8**	**KIT-140PU2Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,82 (5,36 - 2,88)	3,58 (5,33 - 2,81)	3,23 (5,32 - 2,73)
SEER [2]			**6,70 A++**	**6,73**	**6,49**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,62 (0,56 - 4,00)	3,49 (0,60 - 4,80)	4,34 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	521	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,93 (3,59 - 5,36)	4,43 (3,57 - 5,50)	4,18 (3,33 - 5,48)
SCOP [2]			**4,40 A+**	**4,01**	**3,89**
Pdesign at -10°C		kW	10,00	12,50	14,00
Input power heating	Nominal (Min - Max)	kW	2,03 (0,56 - 3,90)	2,82 (0,60 - 4,20)	3,35 (0,62 - 4,80)
Annual energy consumption [3]		kWh/a	3182	—	—
Indoor unit			**S-100PU2E5B**	**S-125PU2E5B**	**S-140PU2E5B**
Air volume	Hi / Med / Lo	m^3/min	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Moisture removal volume		L/h	2,7	4,8	6,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Sound power	Hi / Med / Lo	dB	60 / 53 / 47	61 / 54 / 48	62 / 55 / 49
Dimension	Indoor (H x W x D)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight	Indoor / Panel	kg	25 / 5	25 / 5	25 / 5
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,10 / 3,90 / 3,75	5,45 / 5,20 / 5,00	6,85 / 6,50 / 6,25
	Heat (Hi / Med / Lo)	A	3,15 / 3,00 / 2,90	4,40 / 4,15 / 4,00	5,25 / 4,95 / 4,80
Air volume	Cool / Heat	m^3/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-60PU2Z5 and KIT-71PU2Z5. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.



PACi Elite Ceiling Inverter+ • R32 Gas

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PT2ZH5**	**KIT-50PT2ZH5**	**KIT-60PT2ZH5**	**KIT-71PT2ZH5**	**KIT-100PT2ZH5**	**KIT-125PT2ZH5**	**KIT-140PT2ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	5,07	4,17	4,08	3,78	4,05	3,45	3,10
SEER [2]			**7,20 A++**	**7,00 A++**	**7,20 A++**	**6,70 A++**	**7,00 A++**	**6,59**	**5,70**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,71	1,20	1,47	1,88	2,47	3,62	4,52
Annual energy consumption [3]		kWh/a	175	250	292	371	500	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	5,19	4,34	4,43	4,15	4,31	3,99	3,67
SCOP [2]			**4,80 A++**	**4,60 A++**	**4,70 A++**	**4,60 A++**	**4,60 A++**	**4,36**	**4,00**
Pdesign at -10°C		kW	3,60	4,50	6,00	5,20	8,00	9,50	10,60
Input power heating		kW	0,77	1,29	1,58	1,93	2,60	3,51	4,36
Annual energy consumption [3]		kWh/a	1050	1370	1787	1583	2435	—	—
Indoor unit			**S-36PT2E5B**	**S-50PT2E5B**	**S-60PT2E5B**	**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m³/min	14,0 / 12,0 / 10,5	15,0 / 12,5 / 10,5	20,0 / 17,0 / 14,5	21,0 / 18,0 / 15,5	30,0 / 25,0 / 23,0	34,0 / 28,0 / 24,0	35,0 / 29,0 / 25,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	36 / 32 / 29	37 / 33 / 29	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimension	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	27	27	33	33	40	40	40
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,35 / 3,25 / 3,10	5,60 / 5,35 / 5,10	7,15 / 6,85 / 6,55	8,80 / 8,45 / 8,10	11,40 / 10,90 / 10,50	16,80 / 16,00 / 15,40	21,00 / 20,10 / 19,30
	Heat (Hi / Med / Lo)	A	3,65 / 3,50 / 3,35	6,10 / 5,85 / 5,60	7,75 / 7,40 / 7,10	8,90 / 8,50 / 8,20	12,00 / 11,50 / 11,00	16,20 / 15,50 / 14,90	20,30 / 19,40 / 18,60
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRT3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Elite Ceiling Inverter+ • R32 Gas

			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PT2ZH8**	**KIT-100PT2ZH8**	**KIT-125PT2ZH8**	**KIT-140PT2ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,78	4,05	3,45	3,10
SEER [2]			**6,60 A++**	**6,90 A++**	**6,56**	**6,23**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	1,88	2,47	3,62	4,52
Annual energy consumption [3]		kWh/a	375	507	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,15	4,31	3,99	3,67
SCOP [2]			**4,60 A++**	**4,60 A++**	**4,36**	**4,28**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	1,93	2,60	3,51	4,36
Annual energy consumption [3]		kWh/a	1583	2435	—	—
Indoor unit			**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m³/min	21,0 / 18,0 / 15,5	30,0 / 25,0 / 23,0	34,0 / 28,0 / 24,0	35,0 / 29,0 / 25,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	40	40	40
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	2,95 / 2,85 / 2,75	3,85 / 3,65 / 3,55	5,65 / 5,40 / 5,20	7,10 / 6,75 / 6,50
	Heat (Hi / Med / Lo)	A	3,00 / 2,90 / 2,80	4,05 / 3,85 / 3,75	5,50 / 5,20 / 5,05	6,85 / 6,50 / 6,30
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [5]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-36PT2ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.



PACi Standard Ceiling Inverter+ • R32 Gas

			Single Phase				
			6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-60PT2Z5**	**KIT-71PT2Z5**	**KIT-100PT2Z5**	**KIT-125PT2Z5**	**KIT-140PT2Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	4,00	3,55	3,64 (5,36 - 2,80)	3,32 (5,33 - 2,77)	2,98 (5,32 - 2,73)
SEER [2]			**6,80A++**	**6,50A++**	**6,50A++**	**5,77**	**5,49**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,50	2,00	2,75 (0,56 - 4,10)	3,76 (0,60 - 4,88)	4,70 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	309	382	535	1300	1530
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,80	4,41	4,24 (5,36 - 3,50)	3,89 (4,52 - 3,41)	3,70 (5,48 - 3,08)
SCOP [2]			**4,60A++**	**4,30A+**	**4,20 A+**	**3,75**	**3,70**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	1,25	1,62	2,36 (0,56 - 4,00)	3,21 (0,73 - 4,40)	3,78 (0,62 - 5,20)
Annual energy consumption [3]		kWh/a	1826	1953	3324	4669	5153
Indoor unit			**S-60PT2E5B**	**S-71PT2E5B**	**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m^3/min	20,0 / 17,0 / 14,5	21,0 / 18,0 / 15,5	30 / 25 / 23	34 / 28 / 24	35 / 29 / 25
Moisture removal volume		L/h	3,4	4,2	6,0	7,9	9,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	38/34/30	39/35/31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Sound power	Hi / Med / Lo	dB	56/52/48	57/53/49	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	33	40	40	40
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	7,30 / 7,00 / 6,70	9,70 / 9,30 / 8,90	12,80 / 12,20 / 11,70	17,60 / 16,90 / 16,20	22,10 / 21,20 / 20,30
	Heat (Hi / Med / Lo)	A	6,05 / 5,80 / 5,55	7,85 / 7,50 / 7,20	10,90 / 10,40 / 10,00	15,00 / 14,30 / 13,70	17,70 / 16,90 / 16,20
Air volume	Cool / Heat	m^3/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRT3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRT3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Standard Ceiling Inverter+ • R32 Gas

			Three Phase		
			10,00kW	**12,50kW**	**14,00kW**
KIT			**KIT-100PT2Z8**	**KIT-125PT2Z8**	**KIT-140PT2Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,64 (5,36 - 2,80)	3,32 (5,33 - 2,77)	2,98 (5,32 - 2,73)
SEER [2]			**6,50 A++**	**5,75**	**5,48**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,75 (0,56 - 4,10)	3,76 (0,60 - 4,88)	4,70 (0,62 - 5,50)
Annual energy consumption [3]		kWh/a	538	1304	1534
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,24 (5,36 - 3,50)	3,89 (4,52 - 3,41)	3,70 (5,48 - 3,08)
SCOP [2]			**4,20 A+**	**3,75**	**3,70**
Pdesign at -10°C		kW	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	2,36 (0,56 - 4,00)	3,21 (0,73 - 4,40)	3,78 (0,62 - 5,20)
Annual energy consumption [3]		kWh/a	3324	4669	5153
Indoor unit			**S-100PT2E5B**	**S-125PT2E5B**	**S-140PT2E5B**
Air volume	Hi / Med / Lo	m^3/min	30 / 25 / 23	34 / 28 / 24	35 / 29 / 25
Moisture removal volume		L/h	6,0	7,9	9,0
Sound pressure [4]	Hi / Med / Lo	dB(A)	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Sound power	Hi / Med / Lo	dB	60 / 55 / 53	64 / 58 / 54	65 / 59 / 55
Dimension	H x W x D	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	40	40	40
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,37 / 4,15 / 4,00	5,90 / 5,60 / 5,40	7,40 / 7,05 / 6,80
	Heat (Hi / Med / Lo)	A	3,72 / 3,55 / 3,40	5,00 / 4,75 / 4,60	5,90 / 5,60 / 5,40
Air volume	Cool / Heat	m^3/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [5]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

SEER and SCOP: For KIT-60PT2Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite High Static Pressure Hide Away Inverter+ • R32 Gas

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PF1ZH5**	**KIT-50PF1ZH5**	**KIT-60PF1ZH5**	**KIT-71PF1ZH5**	**KIT-100PF1ZH5**	**KIT-125PF1ZH5**	**KIT-140PF1ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	4,74	4,03	3,68	3,84	4,13	3,52	3,26
SEER [2]			**6,10 A++**	**5,90 A+**	**6,40 A++**	**6,50 A++**	**6,20 A++**	**5,88**	**5,73**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,76	1,24	1,63	1,85	2,42	3,55	4,30
Annual energy consumption [3]		kWh/a	207	297	328	382	564	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 8,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,76	4,18	4,14	4,00	4,31	4,02	3,65
SCOP [2]			**4,30 A+**	**4,20 A+**	**4,30 A+**	**4,60 A++**	**4,40 A+**	**4,26**	**4,18**
Pdesign at -10°C		kW	3,60	4,00	6,00	5,20	8,00	9,50	10,60
Input power heating		kW	0,84	1,34	1,69	2,00	2,60	3,48	4,38
Annual energy consumption [3]		kWh/a	1172	1500	1953	1582	2545	—	—
Indoor unit			**S-36PF1E5B**	**S-50PF1E5B**	**S-60PF1E5B**	**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	14,0 / 13,0 / 10,0	16,0 / 15,0 / 12,0	21,0 / 19,0 / 15,0	21,0 / 19,0 / 15,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	33 / 29 / 25	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	28	28	33	33	45	45	45
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	3,45 / 3,30 / 3,15	5,50 / 5,25 / 5,05	7,65 / 7,30 / 7,00	8,35 / 8,00 / 7,65	10,60 / 10,20 / 9,75	15,90 / 15,20 / 14,60	19,50 / 18,60 / 17,80
	Heat (Hi / Med / Lo)	A	3,85 / 3,70 / 3,55	6,05 / 5,80 / 5,55	7,95 / 7,60 / 7,25	8,90 / 8,50 / 8,25	11,50 / 11,00 / 10,50	15,60 / 14,90 / 14,30	19,90 / 19,00 / 18,20
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-56DAF2	Air Outlet Plenum S . .PF1E5B 36, 45 & 50
CZ-90DAF2	Air Outlet Plenum S . .PF1E5B 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5B 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5B 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5B 100, 125 & 140
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Elite High Static Pressure Hide Away Inverter+ • R32 Gas

			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PF1ZH8**	**KIT-100PF1ZH8**	**KIT-125PF1ZH8**	**KIT-140PF1ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,84	4,13	3,52	3,26
SEER [2]			**6,40 A++**	**6,10 A++**	**5,87**	**5,72**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	1,85	2,42	3,55	4,30
Annual energy consumption [3]		kWh/a	388	574	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,00	4,31	4,02	3,65
SCOP [2]			**4,60 A++**	**4,40 A+**	**4,26**	**4,18**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	2,00	2,60	3,48	4,38
Annual energy consumption [3]		kWh/a	1582	2545	—	—
Indoor unit			**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21,0 / 19,0 / 15,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	45	45	45
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	2,80 / 2,70 / 2,60	3,60 / 3,40 / 3,30	5,40 / 5,10 / 4,95	6,60 / 6,25 / 6,05
	Heat (Hi / Med / Lo)	A	3,00 / 2,90 / 2,80	3,90 / 3,70 / 3,55	5,30 / 5,00 / 4,85	6,70 / 6,40 / 6,15
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 6,50 SEER | A++ 4,60 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-71PF12H5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard High Static Pressure Hide Away Inverter+ • R32 Gas

			Single Phase				
			6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-60PF1Z5**	**KIT-71PF1Z5**	**KIT-100PF1Z5**	**KIT-125PF1Z5**	**KIT-140PF1Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,51	3,23	3,66 (5,36 - 2,81)	3,52 (5,33 - 2,80)	3,18 (5,32 - 2,70)
SEER [2]			**6,10 A++**	**6,10 A++**	**5,60 A+**	**5,56**	**5,38**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	1,71	2,20	2,73 (0,56 - 4,09)	3,55 (0,60 - 4,82)	4,40 (0,62 - 5,56)
Annual energy consumption [3]		kWh/a	344	407	625	787	911
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,55	4,13	4,31 (5,36 - 3,51)	4,02 (5,50 - 3,45)	3,79 (5,48 - 3,13)
SCOP [2]			**4,20 A+**	**4,30 A+**	**3,80 A**	**3,61**	**3,54**
Pdesign at -10°C		kW	6,00	6,00	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	1,32	1,72	2,32 (0,56 - 3,99)	3,11 (0,60 - 4,35)	3,69 (0,62 - 5,12)
Annual energy consumption [3]		kWh/a	2000	1953	3684	4848	5379
Indoor unit			**S-60PF1E5B**	**S-71PF1E5B**	**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21,0 / 19,0 / 15,0	21,0 / 19,0 / 15,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Moisture removal volume		L/h	3,4	4,2	6,0	7,9	9,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Sound power	Hi / Med / Lo	dB	57 / 54 / 48	57 / 54 / 48	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	33	45	45	45
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool (Hi / Med / Lo)	A	8,05 / 7,70 / 7,35	10,40 / 9,95 / 9,50	12,10 / 11,60 / 11,10	16,10 / 15,50 / 14,80	20,20 / 19,30 / 18,60
	Heat (Hi / Med / Lo)	A	6,05 / 5,80 / 5,55	8,10 / 7,75 / 7,40	10,10 / 9,70 / 9,30	14,00 / 13,40 / 12,90	16,80 / 16,00 / 15,30
Air volume	Cool / Heat	m³/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-90DAF2	Air Outlet Plenum S . .PF1E5B 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5B 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5B 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5B 100, 125 & 140
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Standard High Static Pressure Hide Away Inverter+ • R32 Gas

			Three Phase		
			10,00kW	12,50kW	14,00kW
KIT			**KIT-100PF1Z8**	**KIT-125PF1Z8**	**KIT-140PF1Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]	Nominal (Min - Max)	W/W	3,66 (5,36 - 2,81)	3,52 (5,33 - 2,80)	3,18 (5,32 - 2,70)
SEER [2]			**5,60 A+**	**5,54**	**5,37**
Pdesign		kW	10,00	12,50	14,00
Input power cooling	Nominal (Min - Max)	kW	2,73 (0,56 - 4,09)	3,55 (0,60 - 4,82)	4,40 (0,62 - 5,56)
Annual energy consumption [3]		kWh/a	625	790	912
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]	Nominal (Min - Max)	W/W	4,31 (5,36 - 3,51)	4,02 (5,50 - 3,45)	3,79 (5,48 - 3,13)
SCOP [2]			**3,80 A**	**3,61**	**3,54**
Pdesign at -10°C		kW	10,00	12,50	13,60
Input power heating	Nominal (Min - Max)	kW	2,32 (0,56 - 3,99)	3,11 (0,60 - 4,35)	3,69 (0,62 - 5,12)
Annual energy consumption [3]		kWh/a	3684	4848	5379
Indoor unit			**S-100PF1E5B**	**S-125PF1E5B**	**S-140PF1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
Moisture removal volume		L/h	6,0	7,9	9,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Sound power	Hi / Med / Lo	dB	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
Dimension	H x W x D	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	45	45	45
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool (Hi / Med / Lo)	A	4,15 / 3,95 / 3,80	5,40 / 5,10 / 4,95	6,75 / 6,40 / 6,15
	Heat (Hi / Med / Lo)	A	3,45 / 3,30 / 3,20	4,70 / 4,45 / 4,30	5,60 / 5,30 / 5,15
Air volume	Cool / Heat	m³/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A++ 6,10 SEER | A+ 4,30 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | FILTER INCLUDED | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-71PF1Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Elite Low Static Pressure Hide Away Inverter+ • R32 Gas

			Single Phase						
			3,60kW	5,00kW	6,00kW	7,10kW	10,00kW	12,50kW	14,00kW
KIT			**KIT-36PN1ZH5**	**KIT-50PN1ZH5**	**KIT-60PN1ZH5**	**KIT-71PN1ZH5**	**KIT-100PN1ZH5**	**KIT-125PN1ZH5**	**KIT-140PN1ZH5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,00)	5,00 (1,50 - 5,60)	6,00 (2,00 - 7,10)	7,10 (2,00 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,85	3,40	3,41	3,40	3,95	3,35	3,15
SEER [2]			**5,10 A**	**5,10 A**	**6,00 A+**	**6,00 A+**	**6,00 A+**	**5,95**	**5,84**
Pdesign		kW	3,60	5,00	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	0,93	1,47	1,76	2,09	2,53	3,73	4,45
Annual energy consumption [3]		kWh/a	246	342	350	414	582	—	—
Heating capacity	Nominal (Min - Max)	kW	4,00 (1,50 - 5,00)	5,60 (1,50 - 6,50)	7,00 (1,80 - 7,00)	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,30 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	4,40	3,50	3,80	3,90	4,00	3,70	3,50
SCOP [2]			**4,00 A+**	**4,00 A+**	**4,00 A+**	**4,00 A+**	**4,00 A+**	**3,91**	**3,80**
Pdesign at -10°C		kW	3,60	3,80	5,60	5,20	8,00	9,50	10,60
Input power heating		kW	0,91	1,60	1,84	2,05	2,80	3,78	4,45
Annual energy consumption [3]		kWh/a	1258	1573	2095	1914	2799	—	—
Indoor unit			**S-36PN1E5B**	**S-50PN1E5B**	**S-60PN1E5B**	**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Hi / Med / Lo	m³/min	14,0 / 12,0 / 10,0	16,0 / 13,0 / 10,0	22,0 / 20,0 / 16,0	22,0 / 20,0 / 16,0	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	40,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	35 / 33 / 30	36 / 34 / 30	38 / 36 / 31	38 / 36 / 31	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 780 x 650	250 x 780 x 650	250 x 1000 x 650	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight	Indoor / Panel	kg	29	29	32	32	41	41	41
Outdoor unit			**U-36PZH2E5**	**U-50PZH2E5**	**U-60PZH2E5**	**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool	A	4,20 / 4,00 / 3,85	6,50 / 6,20 / 5,95	8,20 / 7,85 / 7,50	9,45 / 9,00 / 8,60	11,20 / 10,70 / 10,20	16,90 / 16,10 / 15,40	20,00 / 19,30 / 18,40
	Heat	A	4,10 / 3,90 / 3,75	7,15 / 6,85 / 6,55	8,60 / 8,25 / 7,85	9,20 / 8,85 / 8,45	2,40 / 11,90 / 11,40	17,00 / 16,20 / 15,60	20,20 / 19,30 / 18,50
Air volume	Cool / Heat	m³/min	40 / 40	40 / 45	40 / 45	61 / 60	118 / 108	125 / 122	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	43 / 44	45 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	62 / 64	64 / 68	65 / 69	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,15 / 0,776	1,15 / 0,776	1,45 / 0,979	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Elite Low Static Pressure Hide Away Inverter+ • R32 Gas

			Three Phase			
			7,10kW	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-71PN1ZH8**	**KIT-100PN1ZH8**	**KIT-125PN1ZH8**	**KIT-140PN1ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)
EER [1]		W/W	3,40	3,95	3,35	3,15
SEER [2]			**5,90 A+**	**5,90 A+**	**5,93**	**5,82**
Pdesign		kW	7,10	10,00	12,50	14,00
Input power cooling		kW	2,09	2,53	3,73	4,45
Annual energy consumption [3]		kWh/a	418	588	—	—
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,30 - 16,00)	16,00 (3,30 - 18,00)
COP [1]		W/W	3,90	4,00	3,70	3,60
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,91**	**3,80**
Pdesign at -10°C		kW	5,20	8,00	9,50	10,60
Input power heating		kW	2,05	2,80	3,78	4,45
Annual energy consumption [3]		kWh/a	1914	2799	—	—
Indoor unit			**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	25 (10 - 80)	40 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Hi / Med / Lo	m³/min	22,0 / 20,0 / 16,0	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	46,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 36 / 31	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight	Indoor / Panel	kg	32	41	41	41
Outdoor unit			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool	A	3,20 / 3,05 / 2,95	3,75 / 3,55 / 3,45	5,65 / 5,40 / 5,20	11,70 / 11,20 / 10,70
	Heat	A	3,20 / 2,95 / 2,85	4,20 / 4,00 / 3,85	5,75 / 5,45 / 5,25	6,80 / 6,45 / 6,20
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) [6]		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A+ 6,00 SEER | A+ 4,00 SCOP | INVERTER+ | -15°C COOLING MODE | -20°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: KIT-60PN1ZH5, KIT-71PN1ZH5 and KIT-100PN1ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

PACi Standard Low Static Pressure Hide Away Inverter+ • R32 Gas

			Single Phase				
			6,00kW	**7,10kW**	**10,00kW**	**12,50kW**	**14,00kW**
KIT			**KIT-60PN1Z5**	**KIT-71PN1Z5**	**KIT-100PN1Z5**	**KIT-125PN1Z5**	**KIT-140PN1Z5**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	6,00 (2,00 ~ 7,10)	7,10 (2,00 ~ 7,70)	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]		W/W	3,31	3,11	3,30	3,20	3,00
SEER [2]			**5,80 A+**	**5,80 A+**	**5,40 A**	**5,13**	**5,02**
Pdesign		kW	6,00	7,10	10,00	12,50	14,00
Input power cooling		kW	1,81	2,28	3,03	3,90	4,65
Annual energy consumption [3]		kWh/a	361	428	641	—	—
Heating capacity	Nominal (Min - Max)	kW	6,00 (1,80 ~ 7,00)	7,10 (1,80 ~ 8,10)	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]		W/W	3,90	3,72	3,91	3,60	3,55
SCOP [2]			**4,00 A+**	**4,00 A+**	**3,90 A**	**3,60**	**3,51**
Pdesign at -10°C		kW	5,60	5,60	7,60	12,50	14,00
Input power heating		kW	1,54	1,90	2,56	3,46	3,94
Annual energy consumption [3]		kWh/a	2095	2100	3589	—	—
Indoor unit			**S-60PN1E5B**	**S-71PN1E5B**	**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	25(10 - 80)	25(10 - 80)	40(10 - 80)	50(10 - 80)	50(10 - 80)
Air volume	Hi / Med / Lo	m³/min	22,0 / 20,0 / 16,0	22,0 / 20,0 / 16,0	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	40,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	38 / 36 / 31	38 / 36 / 31	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	32	32	41	41	41
Outdoor unit			**U-60PZ2E5**	**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
Current	Cool	A	8,30 / 8,00 / 7,60	10,60 / 10,10 / 9,60	14,00 / 13,30 / 12,80	17,90 / 17,10 / 16,50	21,50 / 20,50 / 19,60
	Heat	A	7,00 / 6,70 / 6,40	8,80 / 8,40 / 8,00	11,60 / 11,10 / 10,70	15,80 / 15,10 / 14,50	18,00 / 17,30 / 16,50
Air volume	Cool / Heat	m³/min	40 / 45	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	65 / 68	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller
PAW-WTRAY	Tray for condenser water compatible with base ground support

Accessories	
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

PACi Standard Low Static Pressure Hide Away Inverter+ • R32 Gas

			Three Phase		
			10,00kW	**12,50kW**	**14,00kW**
KIT			**KIT-100PN1Z8**	**KIT-125PN1Z8**	**KIT-140PN1Z8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
EER [1]		W/W	3,30	3,21	3,01
SEER [2]			**5,40 A**	**5,11**	**5,01**
Pdesign		kW	10,00	12,50	14,00
Input power cooling		kW	3,03	3,90	4,65
Annual energy consumption [3]		kWh/a	648	—	—
Heating capacity	Nominal (Min - Max)	kW	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
COP [1]		W/W	3,91	3,61	3,55
SCOP [2]			**3,90 A**	**3,60**	**3,51**
Pdesign at -10°C		kW	7,60	12,50	14,00
Input power heating		kW	2,56	3,46	3,94
Annual energy consumption [3]		kWh/a	3589	—	—
Indoor unit			**S-100PN1E5B**	**S-125PN1E5B**	**S-140PN1E5B**
External static pressure [4]	Nominal (Min - Max)	Pa	40(10 - 80)	50(10 - 80)	50(10 - 80)
Air volume	Hi / Med / Lo	m³/min	36,0 / 33,0 / 26,0	38,0 / 35,0 / 28,0	40,0 / 37,0 / 30,0
Sound pressure [5]	Hi / Med / Lo	dB(A)	39 / 37 / 32	40 / 38 / 33	41 / 39 / 34
Dimension	H x W x D	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	41	41	41
Outdoor unit			**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Power source		V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Current	Cool	A	4,70 / 4,50 / 4,30	6,00 / 5,70 / 5,50	7,20 / 6,80 / 6,60
	Heat	A	3,90 / 3,70 / 3,60	5,30 / 5,00 / 4,90	6,00 / 5,70 / 5,50
Air volume	Cool / Heat	m³/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) [6]		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.

R32 | A+ 5,80 SEER | A+ 4,00 SCOP | INVERTER+ | -10°C COOLING MODE | -15°C HEATING MODE | DC FAN | FILTER INCLUDED | R22 R410A R32 R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

SEER and SCOP: For KIT-60PN1Z5 and KIT-71PN1Z5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW PANASONIC BIG PACi SERIES R32

20,00 – 25,00kW is ideally suited for small, mid retail applications.
In addition to its light net weight and compact body, split-able Hide Away design newly developed enables easy piping work in narrow installation space.

Panasonic Big PACi, not only environmental friendly but also groundbreaking products

- High efficiency with Panasonic compressor as the driving force
- Compact & light indoor body
- Easy piping work with split-able Hide Away indoor design
- Separable indoor unit allows flexible installation to fit in narrow space
- Water Heat Exchanger compatibility
- Bluefin anti-rust coating
- Cloud Control compatible

Compact and light indoor body keeping high efficiency

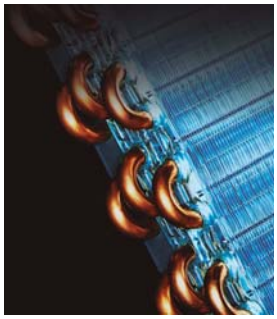
15% lighter weight vs conventional model helps installation work drastically.

	Conventional model	New
20,00kW	100kg	**86kg**
25,00kW	104kg	**88kg**

DEPTH WAS REDUCED BY 230mm

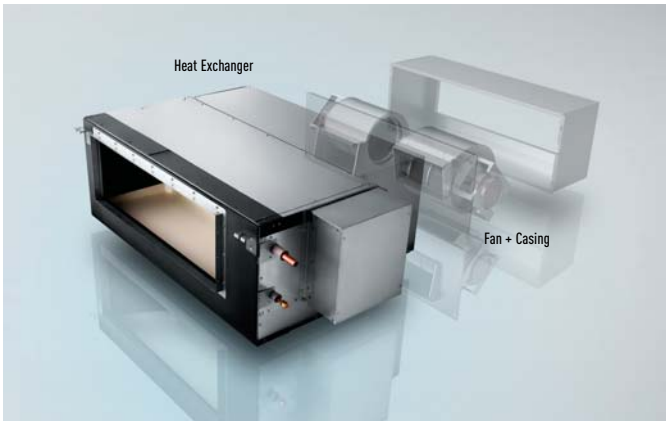
Heat Exchanger with blue coated fins

Blue coated fins for corrosion resistance are equipped as standard in all R32 PACi models.



Easy piping work with split-able Hide Away indoor design

Part of heat exchanger and part of fan (fan + casing) can be separated while being installed.
The Hide Away indoor unit newly designed for easy reassemble totally fits in narrow space.



Water Heat Exchanger compatibility

New PACi Water Heat Exchanger is available to connect with Big PACi systems. Offering various possibilities for hydronic application, heating, cooling and DHW.

Cloud Control compatibility

Big PACi is compatible with Panasonic Cloud controls from wherever you are, 24/7/365.

Comfort cloud for end-users, owners

Panasonic

Panasonic AC Smart Cloud for professionals

PANASONIC AC SMART CLOUD

NEW 2019

CZ-RWS3 + CZ-RWRC3
Optional Controller.
Infrared remote controller.

CZ-RE2C2
Optional Controller.
Simplified remote controller.

CZ-CENSC1
Optional Econavi Sensor.

NEW Big PACi High Static Pressure Hide Away 20,00-25,00kW Inverter+ • R32 Gas

			Three Phase	
			20,00kW	**25,00kW**
KIT			**KIT-200PE3ZH8**	**KIT-250PE3ZH8**
Remote controller			**CZ-RTC5B**	**CZ-RTC5B**
Cooling capacity	Nominal (Min - Max)	kW	19,50 (5,70 - 21,00)	23,20 (6,10 - 27,00)
EER [1]		W/W	3,22	3,11
SEER [2]			**5,25**	**4,84**
Pdesign		kW	19,50	23,20
Input power cooling		kW	6,06	7,46
Heating capacity	Nominal (Min - Max)	kW	22,40 (5,00 - 25,00)	28,00 (5,50 - 29,00)
COP [1]		W/W	3,61	3,41
SCOP [2]			**3,61**	**3,64**
Pdesign at -10°C		kW	17,00	20,00
Input power heating		kW	6,21	8,21
Indoor unit			**S-200PE3E5B**	**S-250PE3E5B**
Power source		V / ph / Hz	220 - 230 - 240 / 1 / 50	220 - 230 - 240 / 1 / 50
External static pressure at shipment (adjustable)		Pa	75 [3] - 120 - 180	75 [3] - 130 - 200
Air volume	Hi / Med / Lo	m³/min	72 / 63 / 53	84 / 72 / 59
Sound pressure [4]	Hi / Med / Lo	dB(A)	46 / 44 / 41	47 / 45 / 42
Dimension	H x W x D	mm	486 x 1456 x 916	486 x 1456 x 916
Net weight		kg	86	88
Outdoor unit			**U-200PZH2E8**	**U-250PZH2E8**
Power source		V / ph / Hz	380 - 400 - 415 / 3 / 50	380 - 400 - 415 / 3 / 50
Recommended fuse		A	30	30
Air volume	Cool / Heat	m³/min	164 / 164	160 / 160
Sound pressure	Cool / Heat (Hi)	dB(A)	59 / 61	59 / 63
Sound power	Cool / Heat (Hi)	dB	77 / 79	78 / 82
Dimension [5]	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	1 (25,40)	1 (25,40)
Pipe length range		m	5 ~ 90	5 ~ 60
Elevation difference (in/out) [6]		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	60	80
Refrigerant (R32) / CO_2 Eq.		kg / T	4,20 / 2,835	5,20 / 3,51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC5B	Wired remote controller with Econavi function and datanavi
CZ-RWS3 + CZ-RWRC3	Infrared remote controller
CZ-RE2C2	Simplified remote controller

Accessories	
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm
CZ-CAPWFC1	NEW Commercial WLAN Adaptor

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) Factory setting. 4) The sound pressure of the units shows the value measured of the position 1,5 below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. * No filter included. * These models will be available in May 2019.

R32 | INVERTER+ | HIGH EFFICIENCY COMPRESSOR | -15°C COOLING MODE | -20°C HEATING MODE | BLUEFIN | LARGE FAN | R22/R410A RENEWAL | OPTIONAL WLAN | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.


U-71PZH2E5
U-71PZH2E8


U-100PZH2E5
U-100PZH2E8
U-125PZH2E5
U-125PZH2E8
U-140PZH2E5
U-140PZH2E8


U-200PZH2E8
U-250PZH2E8

PACi Elite Outdoor units • R32 Gas

			7,10kW	10,00kW	12,50kW	14,00kW	20,00kW	25,00kW
Outdoor unit Single Phase			**U-71PZH2E5**	**U-100PZH2E5**	**U-125PZH2E5**	**U-140PZH2E5**	—	—
Outdoor unit Three Phase			**U-71PZH2E8**	**U-100PZH2E8**	**U-125PZH2E8**	**U-140PZH2E8**	**U-200PZH2E8** [1]	**U-250PZH2E8** [1]
Cooling capacity	Nominal (Min - Max)	kW	7,10 (2,20 - 9,00)	10,00 (3,10 - 12,50)	12,50 (3,20 - 14,00)	14,00 (3,30 - 16,00)	20,00 (5,70 - 22,40)	25,00 (6,10 - 28,00)
Heating capacity	Nominal (Min - Max)	kW	8,00 (2,00 - 9,00)	11,20 (3,10 - 14,00)	14,00 (3,20 - 16,00)	16,00 (3,30 - 18,00)	22,40 (5,00 - 25,00)	28,00 (5,50 - 31,50)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	—	—
	Three Phase	V	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Connection indoor / outdoor		mm²	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	—	—
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 122	129 / 116	164 / 164	160 / 160
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54	59 / 61	59 / 63
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71	77 / 79	78 / 82
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	68	99	99	99	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	1 (25,40)	1 (25,40)
Pipe length range	Min ~ Max	m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85	5 ~ 80	5 ~ 60
Elevation difference (in/out)	Max	m	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30
Additional gas amount		g/m	45	45	45	45	60	80
Refrigerant (R32) / CO_2 Eq.		kg / T	1,95 / 1,316	3,05 / 2,059	3,05 / 2,059	3,05 / 2,059	4,20 / 2,835	5,20 / 3,51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

1) Tentative data.


U-71PZ2E5


U-100PZ2E5
U-100PZ2E8
U-125PZ2E5
U-125PZ2E8
U-140PZ2E5
U-140PZ2E8

PACi Standard Outdoor units • R32 Gas

			7,10kW	10,00kW	12,50kW	14,00kW
Outdoor unit Single Phase			**U-71PZ2E5**	**U-100PZ2E5**	**U-125PZ2E5**	**U-140PZ2E5**
Outdoor unit Three Phase			**—**	**U-100PZ2E8**	**U-125PZ2E8**	**U-140PZ2E8**
Cooling capacity	Nominal (Min - Max)	kW	7,10	10,00 (3,00 - 11,50)	12,50 (3,20 - 13,50)	14,00 (3,30 - 15,00)
Heating capacity	Nominal (Min - Max)	kW	7,10	10,00 (3,00 - 14,00)	12,50 (3,30 - 15,00)	14,00 (3,40 - 16,00)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240
	Three Phase	V	—	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Connection indoor / outdoor		mm²	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5	2 x 1,5 or 2,5
Air volume	Cool / Heat	m³/min	50 / 45	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	49 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	69 / 69	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	Min ~ Max	m	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out)	Max	m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	35	45	45	45
Refrigerant (R32) / CO_2 Eq.		kg / T	1,45 / 0,979	2,60 / 1,755	2,98 / 2,0115	2,98 / 2,0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24





Wall	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PK2E5B	3,60	4,20	302 x 1120 x 236	35/31/27	11,00/9,50/7,50
4,50kW	S-45PK2E5B	4,50	5,20	302 x 1120 x 236	38/34/30	12,00/10,50/8,50
5,00kW	S-50PK2E5B	5,00	5,60	302 x 1120 x 236	40/36/32	14,00/12,00/10,50
6,00kW	S-60PK2E5B	6,00	7,00	302 x 1120 x 236	47/44/40	18,00/14,50/11,50
7,10kW	S-71PK2E5B	7,10	8,00	302 x 1120 x 236	47/44/40	18,00/14,50/11,50
10,00kW	S-100PK2E5B	10,00	11,20	302 x 1120 x 236	47/44/40	19,00/16,50/13,00

4 Way 60x60 Cassette	Indoor (Panels CZ-KPY3AW / CZ-KPY3BW)	Cooling capacity	Heating capacity	Dimension: Indoor / CZ-KPY3AW / CZ-KPY3BW	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PY2E5B	3,60	4,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	36/32/26	9,70/9,90
4,50kW	S-45PY2E5B	4,50	5,20	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	38/34/28	10,00/10,30
5,00kW	S-50PY2E5B	5,00	5,60	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	40/37/33	11,10/11,10

4 Way 90x90 Cassette	Indoor (Panels CZ-KPU3W / CZ-KPU3AW)	Cooling capacity	Heating capacity	Dimension Indoor	Dimension Panel	Sound pressure	Air volume
				H x W x D	H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	mm	dB(A)	m³/min
3,60kW	S-36PU2E5B	3,60	4,20	256 x 840 x 840	33,5 x 950 x 950	30/28/27	14,50/13,00/11,50
4,50kW	S-45PU2E5B	4,50	5,20	256 x 840 x 840	33,5 x 950 x 950	31/28/27	15,50/13,00/11,50
5,00kW	S-50PU2E5B	5,00	5,60	256 x 840 x 840	33,5 x 950 x 950	32/29/27	16,50/13,50/11,50
6,00kW	S-60PU2E5B	6,00	7,00	256 x 840 x 840	33,5 x 950 x 950	38/31/28	21,00/16,00/13,00
7,10kW	S-71PU2E5B	7,10	8,00	256 x 840 x 840	33,5 x 950 x 950	37/31/28	22,00/16,00/13,00
10,00kW	S-100PU2E5B	10,00	11,20	319 x 840 x 840	33,5 x 950 x 950	45/38/32	36,00/26,00/18,00
12,50kW	S-125PU2E5B	12,50	14,00	319 x 840 x 840	33,5 x 950 x 950	46/39/33	37,00/27,00/19,00
14,00kW	S-140PU2E5B	14,00	14,00	319 x 840 x 840	33,5 x 950 x 950	47/40/34	38,00/29,00/20,00

Ceiling	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	dB(A)	m³/min
3,60kW	S-36PT2E5B	3,60	4,20	235 x 960 x 690	35/32/30	14,00/12,00/10,50
4,50kW	S-45PT2E5B	4,50	5,20	235 x 960 x 690	38/33/30	15,00/12,50/10,50
5,00kW	S-50PT2E5B	5,00	5,60	235 x 960 x 690	38/33/30	15,00/12,50/10,50
6,00kW	S-60PT2E5B	6,00	7,00	235 x 1275 x 690	39/36/33	20,00/17,00/14,50
7,10kW	S-71PT2E5B	7,10	8,00	235 x 1275 x 690	39/36/33	21,00/18,00/15,50
10,00kW	S-100PT2E5B	10,00	11,20	235 x 1590 x 690	42/38/35	30,00/25,00/23,00
12,50kW	S-125PT2E5B	12,50	14,00	235 x 1590 x 690	45/40/37	34,00/28,00/24,00
14,00kW	S-140PT2E5B	14,00	14,00	235 x 1590 x 690	47/41/37	35,00/29,00/25,00

High Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	Pa	dB(A)	m³/min
3,60kW	S-36PF1E5B	3,60	4,20	290 x 800 x 700	150/70/10	33/29/25	14,00/13,00/10,00
4,50kW	S-45PF1E5B	4,50	5,20	290 x 800 x 700	150/70/10	34/30/26	14,00/13,00/10,00
5,00kW	S-50PF1E5B	5,00	5,60	290 x 800 x 700	150/70/10	34/30/26	16,00/15,00/12,00
6,00kW	S-60PF1E5B	6,00	7,00	290 x 1000 x 700	150/70/10	35/32/26	21,00/19,00/15,00
7,10kW	S-71PF1E5B	7,10	8,00	290 x 1000 x 700	150/70/10	35/32/26	21,00/19,00/15,00
10,00kW	S-100PF1E5B	10,00	11,20	290 x 1400 x 700	150/100/10	38/34/31	32,00/26,00/21,00
12,50kW	S-125PF1E5B	12,50	14,00	290 x 1400 x 700	150/100/10	39/35/32	34,00/29,00/23,00
14,00kW	S-140PF1E5B	14,00	14,00	290 x 1400 x 700	150/100/10	40/36/33	36,00/32,00/25,00

Low Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume
				H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo
		kW	kW	mm	Pa	dB(A)	m³/min
3,60kW	S-36PN1E5B	3,60	4,20	250 x 780 x 650	80/50/10	40/38/35	14,00/12,00/10,00
4,50kW	S-45PN1E5B	4,50	5,20	250 x 780 x 650	80/50/10	41/39/35	16,00/13,00/11,00
5,00kW	S-50PN1E5B	5,00	5,60	250 x 780 x 650	80/50/10	41/39/35	16,00/13,00/11,00
6,00kW	S-60PN1E5B	6,00	7,00	250 x 1000 x 650	80/50/10	43/41/36	22,00/20,00/16,00
7,10kW	S-71PN1E5B	7,10	8,00	250 x 1000 x 650	80/50/10	43/41/36	22,00/20,00/16,00
10,00kW	S-100PN1E5B	10,00	11,20	250 x 1200 x 650	80/50/10	44/42/37	36,00/33,00/26,00
12,50kW	S-125PN1E5B	12,50	14,00	250 x 1200 x 650	80/50/10	46/44/39	38,00/35,00/28,00
14,00kW	S-140PN1E5B	14,00	14,00	250 x 1200 x 650	80/50/10	46/44/39	40,00/37,00/30,00

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW COMMERCIAL WLAN ADAPTOR

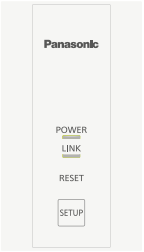
NEW 2019

New Panasonic CZ-CAPWFC1 interface adaptor, allows connection of one or a group of indoor units to be managed by the Panasonic Comfort Cloud App, which provides control, monitoring, scheduling and error alerts.

Panasonic

Download on the App Store

ANDROID APP ON Google play



Advanced smartphone control

Control PACi and ECOi units from wherever and whenever with your smartphone, by using Panasonic Comfort Cloud App and Commercial WLAN Adaptor. This scalable solution is ideal for one system, one site or multiple locations. Coupling the adapter with the already feature rich systems, makes it an ideal solution for residential and commercial applications.

1 From 1 to 200 units

User can control up to 10 different sites, with up to 20 units / groups per site.

2 1 indoor or 1 group

One simple WLAN adaptor CZ-CAPWFC1 can be connected to 1 indoor or to a group of indoors (maximum 8 indoors).

3 Multi user

The Panasonic Comfort Cloud App allows multi-user access control. Restrict user access to specific units.

4 Easy scheduling

Complex weekly scheduling made simple. Not only for one units, but across multiple sites and from a smartphone.

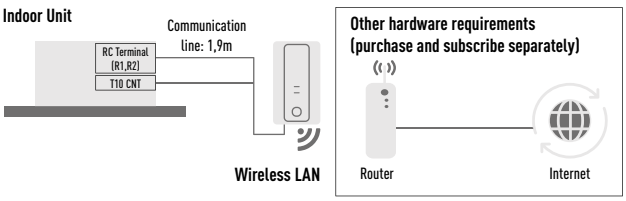
5 Energy monitor

See the estimated power consumption and compare with other periods to see how energy consumption can be reduced even more. Check list of units that provides consumption*.

* Function available depending on the model.

Commercial WLAN Adaptor for internet control - CZ-CAPWFC1

Commercial WLAN Adaptor wiring length is 1,9m and connects to indoor unit thru T10 connector and R1/R2 terminal connectors.



Input Voltage	DC 12V (supplied from T10 connector)
Power Consumption	Maximum 2,4W
Size (H x W x D)	120 x 70 x 25mm
Weight	190g (including communications lines)
Interface	1 x Wireless LAN

Wireless LAN Standard	IEEE 802,11 b/g/n
Frequency Range	2,4GHz band
Operation range	0 ~ 55°C, 20 ~ 80RH%
Connectable indoor unit	1 unit
Length of communication line	1,9m (included in the shipment)

Cloud control is available for all indoor units with P-link

Compatible indoor units type: Model code starting with "S-" except for S-80/125MW1E5.
Incompatible type: Model code starting with "PAW-", "FY-" and S-80/125MW1E5.

DATANAVI

Datanavi, a new way to connect.
Simple and easy support tool with your smartphone.

FAST AND INTUITIVE

EASY ACCESS TO MANUAL DATABASE

ACCURATE SERVICE DATA ON YOUR SMARTPHONE

datanavi

Overview of datanavi system

Just holding up your smartphone to the LED display on a remote controller (CZ-RTC5B) to receive useful AC system information super fast by Panasonic Light ID Technology. Datanavi also connects to Panasonic Cloud Server for the quick view of manuals, saving data received by Light ID.

What is the Light ID technology developed by Panasonic?
Visible light transmission technology, which enables to transmit information by high-speed and invisible flashing of an LED light source.

Key Functions

- Scan and Save AC system info
- Easy access to manual database
- Commissioning, F gas check data history

User / Administrator (person in charge of AC) functions

- **Fast and intuitive.** Regular operation data, Energy consumption data display
- **Easy access to data base.** Getting manuals related on demand
- **No idea what to do when an error happens?** You can share error information and contact service easily

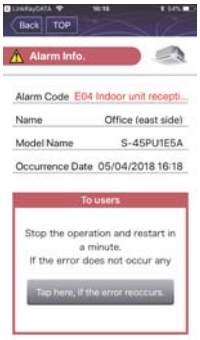
Installer / Service company functions

- **Getting technical data depends on your need**
  Service manual. Q & A list. Test run information
- **Acurate error information**

Regular operation

Energy management

Malfunction notice



Operating manual

Test run info

Service data

* User interface image may be updated without notification.

- Simple F-gas regulation check list
- Repair speed check list

Download free Apps, try datanavi!
2 free Apps are necessary to use datanavi.

Panasonic
LinkRay DATA
Download on the App Store
Google play

NEW PRO-HT TANK SERIES FOR PACi

NEW 2019

Enjoy an efficient DHW / heating and cooling tank.
Panasonic commercial PRO-HT Tank solutions meet all needs of your hot water applications providing maximum water temperature 65°C.

NEW PRO-HT Tank DHW

PRO-HT Tank		PAW-VP200LDHW	PAW-VP500LDHW	PAW-VP750LDHW	PAW-VP1000LDHW
Outdoor unit		**U-100PZH2E8**	**U-100PZH2E8**	**U-250PZH2E8**	**U-250PZH2E8**
Volume	L	214	510	726	933
Height H x W	mm	1568 x 590	1660 x 790	1855 x 990	2210 x 990
Connections to the water supply network		3/4" - 1"	3/4" - 1"	1 1/4"	1 1/4"
Net weight / with water	kg	54 / 254	122 / 632	179 / 929	191 / 1121
Nominal electrical power	kW	1,30	2,32	7,14	7,14
Reference tapping cycle		M	XL	2XL	2XL
Energy consumption by chosen cycle A7 / W10-55	kWh	1,09	4,50	6,30	6,30
Energy consumption by chosen cycle A15 / W10-55	kWh	0,91	3,60	5,12	5,12
COP DHW (A7 / W10-55) EN 16147 [1]		5,36	4,23	3,91	3,91
COP DHW (A15 / W10-55) EN 16147 [2]		6,42	5,29	4,81	4,81
Energy Efficiency Class (from A+++ to G) [3]		**A+++**	**A++**	**A+**	**A+**
Standby Input power according to EN16147	W	25,10	40,10	77,00	80,00
Sound Pressure on 1m	dB(A)	45	48	57	57
Quantity of refrigerant	Kg	3,05	3,05	5,2	5,2
Operating range - outdoor temperature	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Average insulation thickness	mm	70	70	100	100
Heat exchanger connection for inlet / outlet	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	1/2 (12,70) / 3/4 (19,05)	1/2 (12,70) / 3/4 (19,05)
Maximum power consumption without heater	kWh	3,99	3,99	10,00	10,00
Maximum power consumption with heater	kWh	5,99	6,99	16,00	16,00
Number of electrical heaters x power	W	1 x 2000	1 x 3000	1 x 6000	1 x 6000
Voltage / Frequency	V / Hz	230 / 50	230 / 50	400 / 50	400 / 50
Electric protection	A	16	16	16	16
Moisture protection		IP 24	IP 24	IP 24	IP 24
Maximum water temperature (heat pump)	°C	65	65	65	65
Maximum water temperature (electrical heater)	°C	85	85	85	85
Refrigerant (R32) / CO_2 Eq.	kg / T	3,05 / 2,05	3,05 / 2,05	5,2 / 3,51	5,2 / 3,51

Accessories	
PAW-VP-RTC5B-PAC	Tank controller for PACi system

1) Heating of sanitary water up to 55°C with inlet air temperature at 7°C, humidity at 89% and inlet water temperature at 10°C. According to EN16147. 2) Heating of sanitary water up to 55°C with inlet air temperature at 15°C, humidity at 74% and inlet water temperature at 10°C. According to EN16147. 3) Scale from A+++ to G following (COMMISSION DELEGATED REGULATION (EU) No. 812/2013).

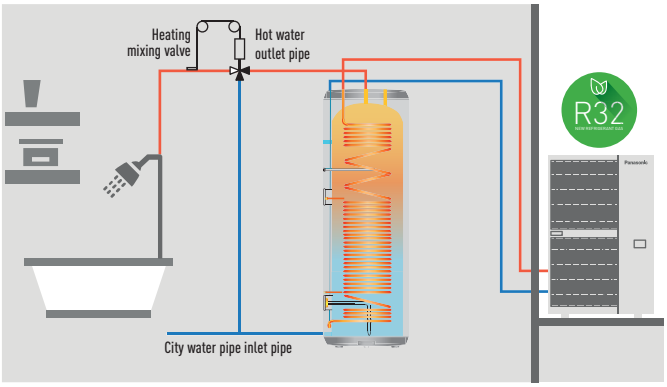
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

* When connected as pressurised, safety valve is mandatory.
** R410A models are also compatibles.

Solution example DHW tank 1000L + PACi

- Ideal for small hotels and high-end residential
- Hot water temperature up to 65°C
- Up to A7 COP 5,36

R32 | A DHW | 5,36 COP HIGH PERFORMANCE | DHW | 65°C OUTPUT WATER HIGH TEMPERATURE | -20°C OPERATION RANGE | 5 YEARS COMPRESSOR WARRANTY



NEW 2019

PRO-HT TANK

NEW PRO-HT Tank heating and cooling

PRO-HT Tank			PAW-VP380L
Cooling capacity at 35°C, water outlet 7°C		kW	12,80
Heating capacity		kW	25,00
Heating capacity at +7°C, heating water temperature at 45°C		kW	23,00
COP at +7°C with heating water temperature at 45°C		W/W	3,26
Heating Energy Efficiency class at 35°C [1]			**A++**
ηsh (LOT21) [2]		**%**	**156**
Dimension	H x W	mm	1820 x 690
Shipping weight		kg	99
Water pipe connector			1 1/4"
Heating water flow (ΔT=5 K. 35°C)		m/h	3,9
Outdoor unit			**U-200PZH2E8**
Sound pressure		dB(A)	62
Dimension	H x W x D	mm	1500 x 980 x 370
Net weight		kg	119
Piping connections	Liquid pipe	Inch (mm)	1/2 (12,07)
	Gas pipe	Inch (mm)	3/4 (19,05)
Refrigerant (R32) / CO_2 Eq.		kg	4,20 *Need Additional gas amount at site +1,0kg
Pipe length range		m	50
Elevation difference (in/out)		m	30 (OD above) 30 (OD below)
Pipe length for nominal capacity		m	7,5
Pipe length for additional gas		m	85
Additional gas amount		g/m	Refer to manual
Operating range (heating) - outdoor temperature		°C	-20 ~ +24
Maximum heating water temperature		°C	45

Accessories	
PAW-VP-RTC5B-PAC	Tank controller for PACi system

Accessories	
PAW-IU29/39	Additional heater

1) Unit efficiency energy level: Scale from A++ to G. 2) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 811/2013.

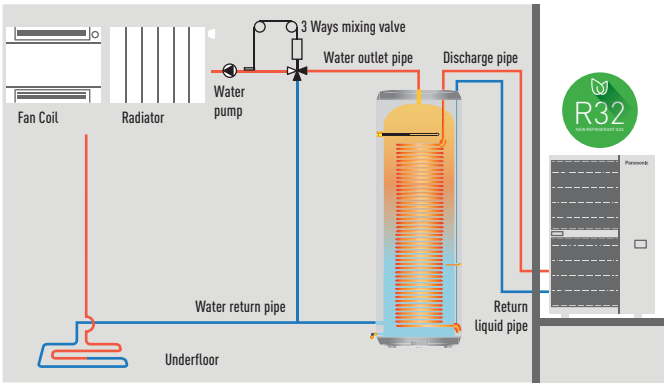
This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.

* Flow switch and water filter are not equipped.

Heating and cooling tank 380L + PACi

- Ideal offer for small offices
- Cost saving solution with simple waterborne heating and cooling
- Hot water up to 45°C



R32 | A++ ErP 35°C | 45°C OUTPUT WATER | -20°C OPERATION RANGE | 5 YEARS COMPRESSOR WARRANTY

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

ECONAVI SENSOR

The all Econavi Sensor detects presence in the room, and quietly adapts the PACi or VRF air conditioning system in order to improve comfort and energy savings.

Saving Energy for Offices with the Econavi sensor

Providing outstanding energy-saving performance, Panasonic's Inverter System can be connected to Econavi to detect when energy is being wasted. Econavi senses the presence or absence of people and the level of activity in each area of an office. When unnecessary heating or cooling is detected, indoor units are individually controlled to match office conditions for energy-saving operation.

Detection of the level of activity enables precise power saving.
Presence or absence of people at their desks and the level of activity in the office are detected in real time. Set temperature is automatically adjusted to optimise the lower power consumption.

Remote Econavi sensor allows optimum energy operation.
Pillars, walls, cabinets and other fittings obstruct the sensor, reducing the area of detection and lowering the energy-saving effect. Taking into consideration blind spots, Panasonic enables the optimum layout for sensors in any office.

In the morning.
Thorough cooling when there is a high level of activity

In the afternoon.
Reduced cooling when there are fewer people

At night.
Automatic Thermo Off depending on conditions at the end of the day

REMOTE CONTROLLER WITH ECONAVI AND DATANAVI

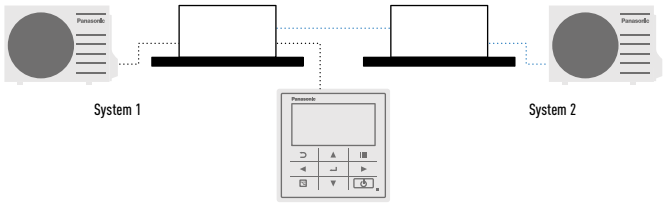
Easy to use, attractive, clear design, with new demand control functions and energy consumption display! This useful feature makes this remote controller unique!

Key Functions

- Easy setup of the timer and settings of the indoor unit
- Energy consumption display
- Limitation of the energy consumption (Demand control) by timer.

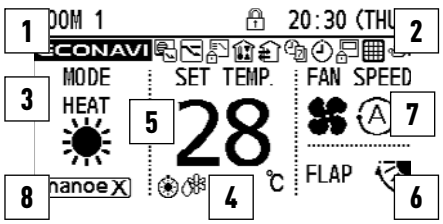
Backup control by using CZ-RTC5B

Group wiring of 2 systems of PACi can do auto individual control: Rotation operation, Backup operation and Support operation.



Basic function (Operation display and indication)

All functions are easily available on the remote controller.



1. Name of the room (Max.16 characters)
2. Time & Day of the week
3. Mode: Hot / Cool / Dry / Fan Auto
4. Status: Heating stand-by / Defrost operation / Stand-by (GHP system)
5. Set temperature
6. Flap setting
7. Fan speed: L-H / Auto
8. nanoe™ X setting

Functions available on the CZ-RTC5B

Control item	Controllability	Indoor units		
		PACi Standard	PACi Elite	All VRF
Basic Operation	Operation, Mode, Temperature setting, Airflow volume, Airflow direction	✔	✔	✔
Timer function	Time display	✔	✔	✔
	Easy ON/OFF timer	✔	✔	✔
	Weekly Program timer	✔	✔	✔
Energy saving	Outing function	✔	✔	✔
	Temperature auto return	✔	✔	✔
	Temperature setting range limitation	✔	✔	✔
	OFF remind	✔	✔	✔
	Energy saving mode	✔	✔	✔
	Schedule demand control	✔ 1)	✔	✔
	Energy monitoring - R32	✔	✔	–
Maintenance	System failure information	✔	✔	✔
	Service contact registration	✔	✔	✔
	Filter sign (rest time display) & Reset	✔	✔	✔
	Auto-address, Test run	✔	✔	✔
	Sensor value monitor	✔	✔	✔
	Simple / Detail setting mode	✔	✔	✔
Others	Key lock	✔	✔	✔
	Ventilation fan control	✔	✔	✔
	Display contrast adjustment	✔	✔	✔
	Remote controller sensor	✔	✔	✔
	Quiet operation mode	✔ 1)	✔	–
	Prohibit setting control from Central controller	✔	✔	✔

All specifications subject to change without notice. 1) PACi Standard R410A line up is not available.

CONNECTION TO AIR HANDLING SYSTEM

**0/10 V.
IP65.
COMPACT
CASING**

With an AHU kit, the PACi/ECOi outdoor unit is connected to air handling units of 5-189 kW

With the new AHU kit it is easy to connect Panasonic PACi and VRF outdoor units to air handling units with a refrigeration circuit without water or glycol. The flexible connectivity options mean that a Panasonic AHU kit can easily integrate and interact with the overall control system. Applications: Hotels, offices, computer server rooms or other spacious buildings where there is a need to control air quality, humidity and fresh air.

3 types of AHU Kit: Deluxe, Medium and Light.

Model code		IP 65	0-10 V demand control*	Outdoor temperature shift compensation. Cold draft prevention
PACi	PAW-280PAH2	Yes	Yes	Yes
	PAW-280PAH2M	Yes	Yes	No
	PAW-280PAH2L	Yes	No	No
VRF	PAW-160MAH2 / PAW-280MAH2 / PAW-560MAH2	Yes	Yes	Yes
	PAW-160MAH2M / PAW-280MAH2M / PAW-560MAH2M	Yes	Yes	No
	PAW-160MAH2L / PAW-280MAH2L / PAW-560MAH2L	Yes	No	No

* With CZ-CAPBC2.

PAW-280PAH2M // PAW-160MAH2M // PAW-280MAH2M // PAW-560MAH2M

- The system is controlled by the intake air (or return air from the room) temperature as well as by the control function: Automatic/Cooling/ Heating
- The temperature of the outgoing air is also checked, to prevent excessively high or low temperature during cooling operation or cold air dumping during heating operation (applies to VRF system)
- External control with thermostat
- Signal for frost protection, thermostat ON/OFF outputs
- External control with 0-10V signal
- Can be connected to an overall control system
  Pay special attention to the electrical noise depending on the relevant system.
- The control signal to the fan from the AHU kit can be used to control the air flow rate (high/medium/low)
  External relay.

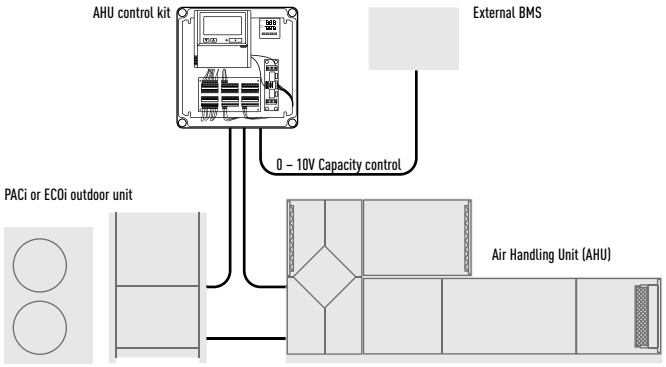
Technical focus

- Maximum capacity/system: 60 HP (168 kW)
- Maximum piping length: 100 m (120 m equivalent)
- Elevation difference (indoor unit / indoor unit): 4 m
- In/Out capacity ratio: 50~100 %
- Maximum indoor unit number: 3 units*
- Outdoor temperature range in heating: -20 ~ +15 °C
- Available temperature range for the suction air at AHU Kit: cool: +18 ~ +32 °C / heat: +16 ~ +30 °C

* To be simultaneous operation controlled by one remote controller sensor.

Panasonic AHU kit, 5-189 kW connected to PACi or ECOi outdoor unit

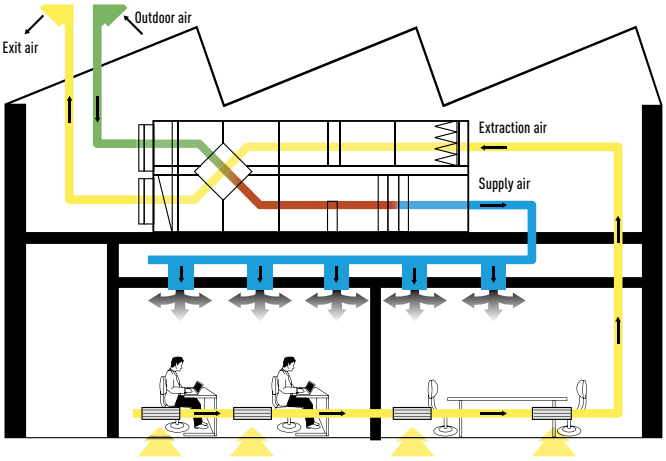
Complete control box with each control device.



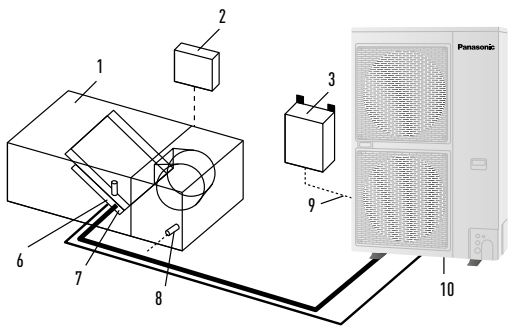
Demand control on the outdoor unit managed by external 0–10 V signal.

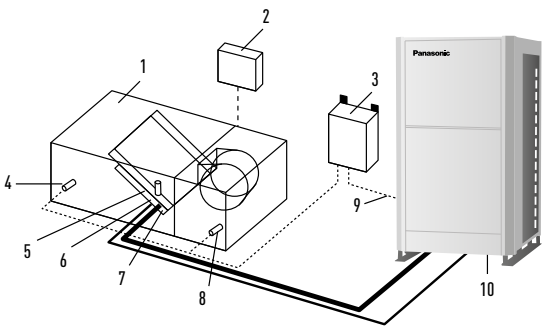
Main parts in a mechanical ventilation system

The main parts in a mechanical ventilation system are the following: Air handling unit (AHU), air ducts and components for air distribution.



System and regulation. System summary of PACi and ECOi





1. AHU (field supply)
2. Control device integrated in AHU kit
3. The AHU kit (complete)
4. Thermistor - supply air*
5. Electronic expansion valve*
6. Thermistor - gas pipe (E2 for PACi / E3 for ECOi)
7. Thermistor - liquid pipe (E1)
8. Thermistor - air intake
9. Electric cables between units
10. Outdoor unit

* Component 4 and 5 are not included with PACi.

AHU kit, 5-25 kW for PACi in heating and cooling operation

AHU kit PACi Elite	Cooling capacity	Heating capacity	Air flow rate, cooling operation	Dimensions	Pipe length	Difference in height at installation
	Nominal	Nominal	Min / Max	H x W x D	Min / Max	Min / Max
	kW	kW	m³/min	mm	m	m
PAW-280PAH2M	6 to 25	7 to 28	480/4,440	404x425x78	5 to 30	10
PAW-280PAH2M+PAW-280PAH2M	50,0	56,0	2,280/8,880	404x425x78	5 to 30	10

Air handling units / system combinations			Pipe length Min/Max	Height elevation	Airflow cooling Low / High		
Capacity cooling	Combination outdoor units	AHU-kit	m	m	m³/h	l/sec	m³/sec
3,60 kW	U-36PE2E5A	PAW-280PAH2M	5 to 30	10	430/650	119/180	
5,00 kW	U-50PE2E5	PAW-280PAH2M	5 to 30	10	480/780	133/217	
6,00 kW	U-60PE2E5A	PAW-280PAH2M	5 to 30	10	540/960	150/267	
7,50 kW	U-71PE1E5 / U-71PE1E8A	PAW-280PAH2M	5 to 30	10	720/1500	200/417	0,20/0,42
10,00 kW	U-100PE1E8A	PAW-280PAH2M	5 to 30	10	840/1980	233/550	0,23/0,55
12,50 kW	U-125PE1E8A	PAW-280PAH2M	5 to 30	10	1140/2100	317/583	0,32/0,58
14,00 kW	U-140PE1E8A	PAW-280PAH2M	5 to 30	10			
20,00 kW	U-200PE2E8A	PAW-280PAH2M	5 to 30	10	1680/3960	467/1100	0,47/1,10
25,00 kW	U-250PE2E8A	PAW-280PAH2M	5 to 30	10	2280/4440	633/1233	0,63/1,23
50,00 kW	U-250PE2E8A + U-250PE2E8A	PAW-280PAH2M + PAW-280PAH2M	5 to 30	10	2280/8880	633/2470	0,63/2,47

AHU Connection Kit

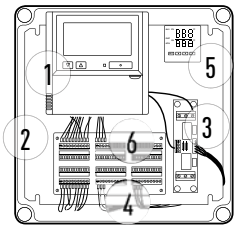
AHU kit.
PCB, power transformer, terminal block

Expansion valve

Thermistor x2 (Refrigerant: E1, E3)

Thermistor x2 (Air: Tf, Tb)

Remote control.
Wired remote control. Included



1. Remote control CZ-RTC4
2. New plastic IP 65 Box
3. PAW-T10 PCB for dry contact
4. 0-10V demand control PCB
5. Intelligent thermostat for:
   - Cold draft prevention
   - Outdoor temperature shift compensation
6. Terminal base for sensors and power supply

Accessories

PAW-RC2-MBS-1
Interface for connection to Modbus. For control of one unit via AHU kit with Mobus. 0-10V control is included.

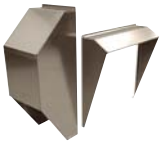
PAW-RC2-MBS-4
Interface for connection to Modbus. For control of four units via AHU kit with Mobus. 0-10V control distributed per AHU control included.

PAW-RC-KNX-1i
Interface for connection to KNX. For control of one unit via AHU kit with KNX.

PAW-WTRAY
Condensation water drip tray by Mangelis for PAW-GRDSTD40 ground stand with 4 m heating cable including 3 °C thermostat.

PAW-GRDSTD40
Ground stand for PACi; height 400 mm, length 900 mm, width 400 mm.

PAW-GRDBSE20
2 Ground elevation of SBE; height 200 mm, length 600 mm.



PAW-WPH9
Wind protection shield for U-71PZH2E5/8.

PAW-WPH7
Wind protection shield for U-100/125/140PZH2E5/8.

Weather/snow hoods for PACi and ECOi outdoor units are necessary in order to achieve high performance in heating and cooling in severe climates. Weather/snow hoods are obligatory under heating and cooling operation with AHU. Weather/snow hoods are made of DX51D galvanized steel with RAL9002, easy to install thanks to preinstalled cage nuts. Anti-vibration rubber on contact surfaces. Laser cut, with rounded edges for easier installation and cleaning.

Electric Air Curtain

			FY-3009U1	FY-3012U1	FY-3015U1
Width		mm	900	1200	1500
Voltage		V	220	220	220
Air volume	Hi / Lo	m³/h	1100/920	1400/1270	2000/1800
Consumption	Hi / Lo	W	76/70	94/85	131/110
Current	Hi / Lo	A	0,35/0,32	0,43/0,40	0,59/0,50
Air speed	Hi / Lo	m/s	10,50/8,50	9,50/8,00	10,50/9,50
Sound pressure		dB(A)	48,5/45,0	48,5/44,5	51,5/48,0
Dimension / Net weight	H x W x D	mm / kg	900 x 231,5 x 212/12,0	1200 x 231,5 x 212/14,5	1500 x 231,5 x 212/18,0

NEW 2019

NEW Air Curtain with DX Coil

Outdoor unit			**7,10kW**	**10,00kW**	**14,00kW**	**20,00kW**
Air outlet height 2,7m			**PAW-10PAIRC-LS**	**PAW-15PAIRC-LS**	**PAW-20PAIRC-LS**	**PAW-25PAIRC-LS**
Air volume	High / Low	m³/h	1800/1000	2700/1400	3600/1900	4500/2400
Cooling capacity [1]	Max	kW	6,10	9,70	13,00	17,00
Heating capacity [2]	Max	kW	7,90	12,00	15,00	19,00
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,03
Piping connections	Liquid pipe / Gas pipe	mm	16,6/15,0	16,6/22,0	16,6/22,0	16,6/22,0
Electric consumption fan	230V / 50Hz	kW	0,30	0,50	0,60	0,80
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	2,10	3,10	4,10	5,10
Sound Pressure [3]		dB(A)	49/65	48/66	50/67	51/69
Dimension	H x W x D	mm	1000 x 260 x 460	1500 x 260 x 460	2000 x 260 x 460	2500 x 260 x 460
Weight		kg	50	65	80	95
Door width		m	1,0	1,5	2,0	2,5
Refrigerant			R32/R410A	R32/R410A	R32/R410A	R32/R410A

Outdoor unit			**10,00kW**	**14,00kW**	**20,00kW**	**25,00kW**
Air outlet height 3,0m			**PAW-10PAIRC-HS**	**PAW-15PAIRC-HS**	**PAW-20PAIRC-HS**	**PAW-25PAIRC-HS**
Air volume	High / Low	m³/h	2700/1450	3600/1900	5400/2900	6300/3400
Cooling capacity [1]	Max	kW	9,10	13,00	19,50	23,70
Heating capacity [2]	Max	kW	11,80	15,80	23,60	27,60
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,12
Piping connections	Liquid pipe / Gas pipe	mm	16,6/15,0	16,6/22,0	16,6/22,0	16,6/22,0
Electric consumption fan	230V / 50Hz	kW	0,75	1,00	1,50	1,75
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	4,10	5,50	8,20	9,60
Sound Pressure [3]		dB(A)	50/66	49/67	51/68	52/68
Dimension	H x W x D	mm	1000 x 260 x 460	1500 x 260 x 460	2000 x 260 x 460	2500 x 260 x 460
Weight		kg	55	65	85	110
Door width		m	1,0	1,5	2,0	2,5
Refrigerant			R32/R410A	R32/R410A	R32/R410A	R32/R410A

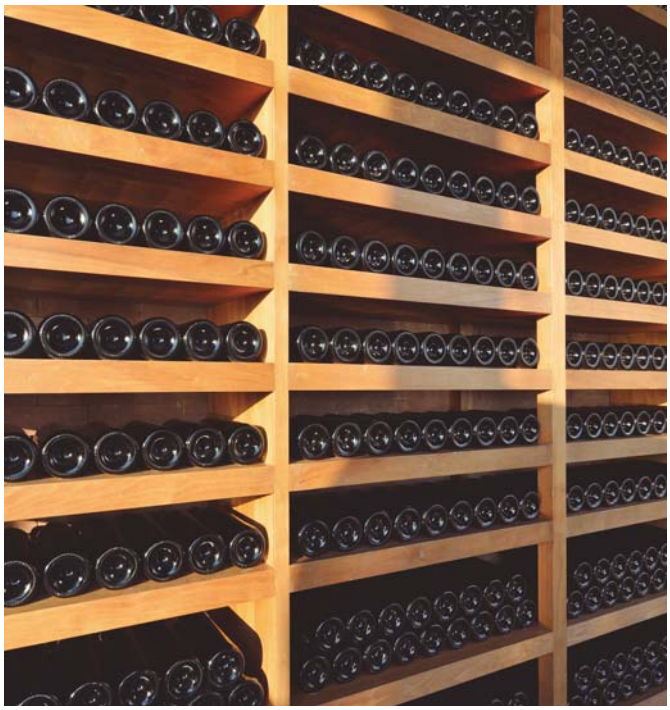
1) Cooling capacity DX Coil, air temperature in/out +27/+18°C, R32 and R410. 2) Heating capacity condenser, air temperature in/out +20/+33°C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary.
3) Measured in distance up to 5,0m, direction factor 2, absorbing surfaces 200m², Min / Max air volume.

PANASONIC PACi ELITE CAN COOL ROOMS DOWN TO 8°C

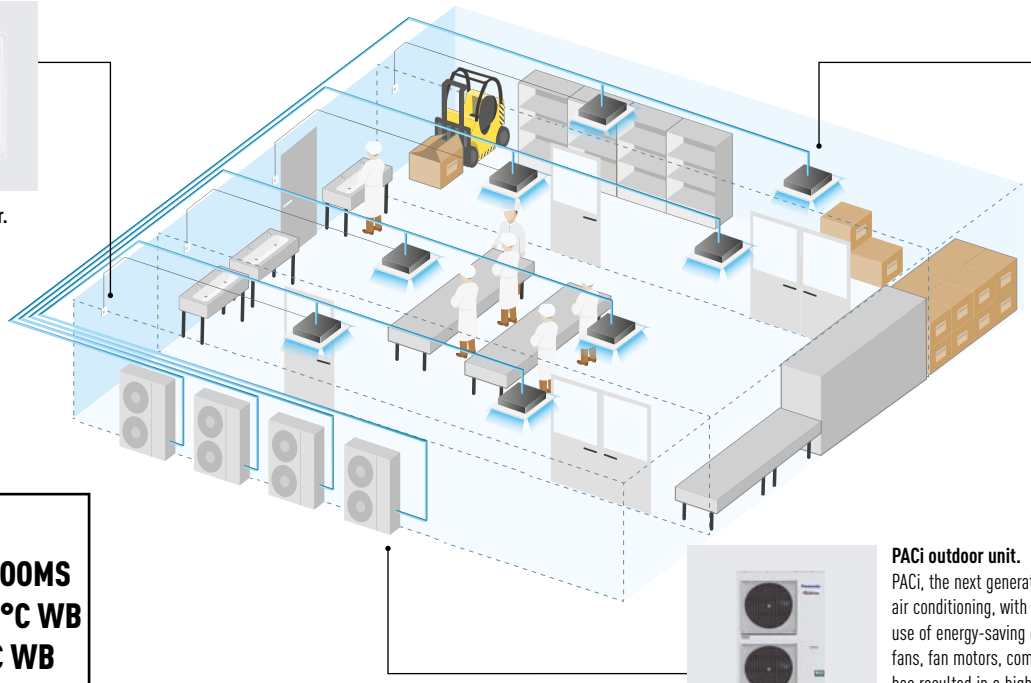
Special application such as wine cellars.

Solutions for cold rooms. Set the room temperature to 8°C

There is a complete range, from 3,60 to 22,00kW. This unique solution is perfect for:
Wine cellars, ice cream factories, flower shops, supermarkets, grain stores, food storage, food processing, food distribution, lunchrooms, vegetable processing... Just like all the indoor units in the PACi range, these units can be monitored via the Internet, generating an alarm if there is a breakdown.



Alternative controller.
Wired remote control.
CZ-RTC5B



Wide range of indoor units.
To meet your company's needs

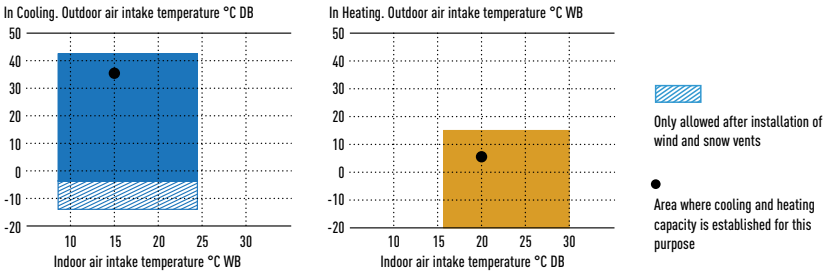
COOLING ROOMS BETWEEN 8°C WB AND 24°C WB

PACi outdoor unit.
PACi, the next generation of developed commercial air conditioning, with an energy-saving concept. The use of energy-saving designs in the construction of fans, fan motors, compressors and heat exchangers has resulted in a high COP value.

Wine cellars and special low temperature rooms

One of the main features of the PACi series is the possibility of adjusting the product for special applications, not just for regular heating and cooling applications. The purpose of this product information is to explain in detail these special applications that need a cooling operation to maintain the room temperature at +8 ~ +24°C WB (or +10 ~ +30°C DB). In order to do this in terms of enthalpy, the indoor unit needs to be overdimensioned and certain parameters need to be adjustable.

Temperature range – temperature range for wine cellar



Temperature range for wine cellar		
	Indoor	Outdoor
Cooling operation	+8 ~ +24°C WB	-5 (-15) ~ 43°C DB

Examples of installations:

To avoid the growth of bacteria and to increase food safety: Wine cellars, ice cream factories, flower shops, broiler factories, pantries in hotels, supermarkets, grain stores, food storage, food processing, food distribution, lunchrooms, salad processing ...

Application	Single						Twin		
Cooling capacity	3,50kW	4,90kW	5,80kW	6,90kW	9,30kW	11,60kW	13,60kW	18,50kW	23,20kW
	U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5 U-71PZH2E8	U-100PZH2E5 U-100PZH2E8	U-125PZH2E5 U-125PZH2E8	U-140PZH2E5 U-140PZH2E8	U-200PZH2E8	U-250PZH2E8
PACi outdoor units									
PACi indoor units									
	 S-60PU2E5B	S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B	S-140PU2E5B	S-100PU2E5B + S-100PU2E5B	S-125PU2E5B + S-125PU2E5B	S-140PU2E5B + S-140PU2E5B
	 S-60PT2E5B	S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B	S-140PT2E5B	S-100PT2E5B + S-100PT2E5B	S-125PT2E5B + S-125PT2E5B	S-140PT2E5B + S-140PT2E5B
	 S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B	S-140PF1E5B	S-100PF1E5B + S-100PF1E5B	S-125PF1E5B + S-125PF1E5B	S-140PF1E5B + S-140PF1E5B
	 S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B	S-140PN1E5B	S-100PN1E5B + S-100PN1E5B	S-125PN1E5B + S-125PN1E5B	S-140PN1E5B + S-140PN1E5B

* Above combinations require a special field setting. Please contact authorized Panasonic dealer. ** R410 models (U-PE2E5A,U-PE2E8A) are also compatible.

PANASONIC AC SMART CLOUD

With Panasonic AC Smart Cloud, have your business under control, and start saving!

PANASONIC
AC SMART CLOUD

Flexible solution and scalable solution

- Energy saving
- Zero downtime
- Site(s) management

Centralize control of your business premises, from wherever you are, 24/7/365. It doesn't matter how many sites you have, or where they are! The AC Smart Cloud system from Panasonic allows you to have complete control of all your installations, from your tablet or from your computer. In a simple click, all your units from several locations, receive status updates in real-time of all your installations, preventing breakdowns and optimizing costs.

Flexible solution for your business.

Every time | Everywhere | Multiplatform | Internet browser

Scalable solution for your business.

Small to large | 1 to multi sites | Upgrade features* | PACi / ECOi

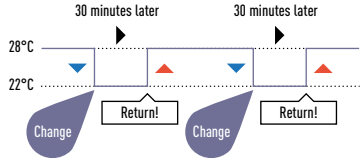
* Customized to meet user demand / Continuous upgrades: new functions and product introductions / IT smart management.

Panasonic AC Smart Cloud offers continuous improvement always thinking about users

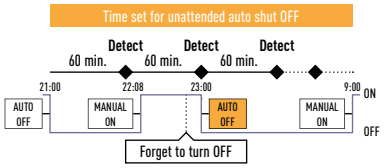
New e-CUT function

E-CUT functions are newly available in Panasonic AC Smart Cloud.
5 energy saving settings reduces automatically its energy consumption.

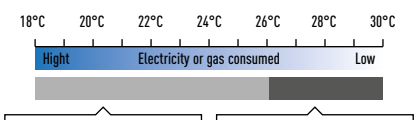
1. Set temperature auto return.
When you want to return to the set temperature after a certain time even if the temperature is changed.



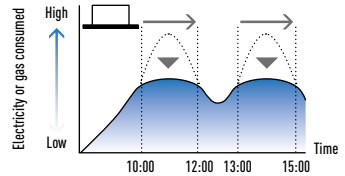
2. Unattended auto shut OFF.
When you want to operate outside of a schedule but to monitor and stop automatically.



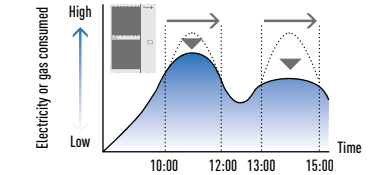
3. Set temperature range limit.
When you want to limit the temperatures that can be set.



4. Energy saving timer / Efficient operation setting.
Specify time slots when you want operation capacity reduced.



5. Demand / peak shaving settings/ Peak cut settings.
Specify time slots when you want operation capacity of the outdoor units reduced.



Key functions and uniqueness

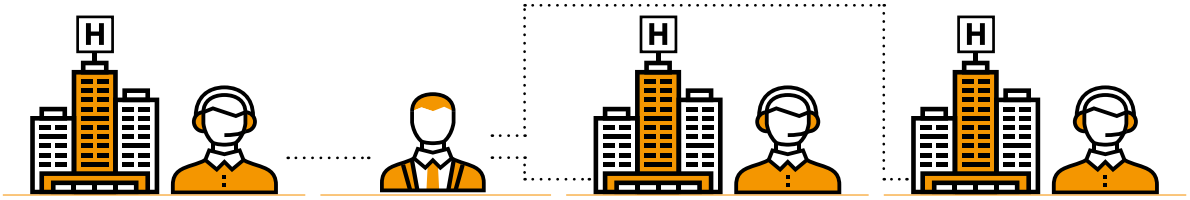
Multi site monitoring.
- It doesn't matter how many sites you have, easy to manage, operate, compare sites, locations, rooms.

Powerful statistics for energy savings.
- Power consumption, capacity, efficiency level can be compared with different parameters (Yearly / monthly / weekly / daily bases)

Schedule setting.
- Yearly / weekly / holiday timer setting as you want

Maintenance notification.
- Error notification by email and with floor layout
- Maintenance notification of ECOi outdoor units
- Remote service checker function

User customization [1].
Site administrator can create users as desired and assign customized profiles.



Facility manager: A
Energy optimization
Schedule management
Multisite monitoring
Maintenance notification

Owner of Hotels
Administrator has a full access

Facility manager: B
Energy optimization
Schedule management
Multisite monitoring
Maintenance notification

Facility manager: C
Energy optimization
Schedule management
Multisite monitoring
Maintenance notification

Main functions per user type

Function / Main Tab	Sub-Tab	Basic type (Eg.: Owners, facility managers)	Professional type (Eg.: Installers, maintenance companies)
AC setting	I_U / O_U operation details	✔	✔
	Cloud adapter (CZ-CFUSCC1) details	✔	✔
	AC maintenance		✔
	Map view	✔	✔
Energy saving function	NEW e-CUT	✔	✔
Schedule	Yearly, weekly schedule setting / view	✔	✔
Powerful statistics	Power consumption	✔	
	Capacity	✔	
	Efficiency ranking	✔	

Function / Main Tab	Sub-Tab	Basic type (Eg.: Owners, facility managers)	Professional type (Eg.: Installers, maintenance companies)
Maintenance function	Notification overview / details	✔	✔
	Maintenance settings	✔	✔
	Map view	✔	✔
	Remote service checker		✔
User account [1]	New / update user registration	✔	
System setting	Distribution group overview / details	✔	
	Cut OFF request	✔	
	Map editor		✔

One of our uniqueness is "Stable and secured communication package"

- Connectivity is included in the service. Customers do not have to take time to find and prepare suitable connectivity.
- With an all inclusive service offering, the customer has peace of mind and a one stop shop for all AC Smart Cloud issues they may face including connectivity

This reduces installation time, requiring no integration with existing IT network infrastructure.

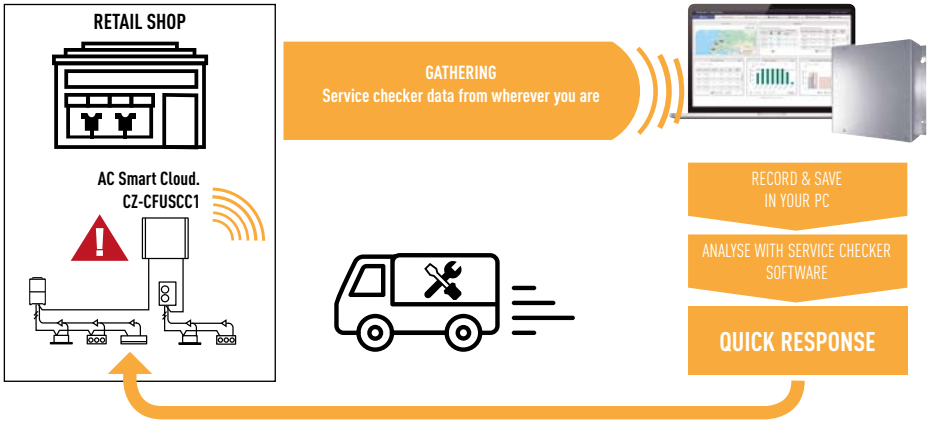
3G router + SIM card

Remote service checker function

For professional profile

Zero down time
- Quick analysis & response
- Time & Cost saving for service maintenance task

Recording service checker parameters from wherever you are!
- Data duration: Max. 120 minutes
- Data frequency: 10 – 90 seconds
- Mode selection: With test run or Without test run
- Count down schedule setting available



Panasonic AC Smart Cloud parts lists

* Cloud service fee is additionally required. Please contact an authorized Panasonic dealer.

CZ-CFUSCC1	AC Smart Cloud communication adaptor. Up to 128 groups. 128 units control
PAW-MVNOAC-V	3G communication package (SIM Card included). V, K: Depending on countries [1]
PAW-MVNOAC-K	

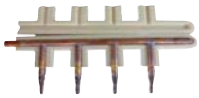
1) Please contact an authorized Panasonic dealer.

ACCESSORIES AND CONTROL

Branch Pipes, Header

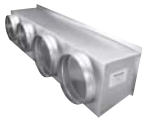
CZ-P224BK2BM
Branch pipe (capacity after distribution is 22,40kW or less).

CZ-P680BK2BM
Branch pipe (from 22,40kW to 68kW).



CZ-P3HPC2BM
Header.

Plenums



CZ-DUMPA90MF2
Air Inlet Plenum S . .PF1E5B 60 & 71.

CZ-DUMPA160MF2
Air Inlet Plenum S . .PF1E5B 100, 125 & 140.

CZ-56DAF2
Air Outlet Plenum S . .PF1E5B 36, 45 & 50.

CZ-90DAF2
Air Outlet Plenum S . .PF1E5B 60 & 71.

CZ-160DAF2
Air Outlet Plenum S . .PF1E5B 100, 125 & 140.

CZ-TREMIESPW705
Air Outlet Plenum S-200PE2E5.

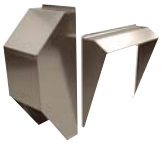
CZ-TREMIESPW706
Air Outlet Plenum S-250PE2E5.

Outdoor accessories

PAW-WTRAY
Tray for condenser water compatible with base ground support.

PAW-GRDSTD40
Outdoor elevation platform 400x900x400mm.

PAW-GRDBSE20
Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg).



PAW-WPH9
Wind protection shield for U-71PZH2E5/8, U-71PE1E5A/8A and U-100/125PEY1E5/8.

PAW-WPH7
Wind protection shield for U-100/125/140PZH2E5/8, U-100/125/140PE1E5A/8A and U-140PEY1E8.

Panels

CZ-BT20EW
RAL9010 panel for 60x60 Cassette (CS . .UB4EAW).

CZ-KPU3W
Normal panel for 90x90 Cassette PU2.

CZ-KPU3AW
Econavi panel for 90x90 Cassette PU2.

CZ-KPY3AW
Panel for 60x60 Cassette size 700x700mm.

CZ-KPY3BW
Panel for 60x60 Cassette size 625x625mm.

Other Accessory

CZ-CNEXU1
nanoe™ X air purifying system for 90x90 Cassette PU2.

CZ-CENSC1
Econavi energy savings sensor.

Individual Controls

CZ-RD52CP
Wired remote controller for 60x60 Cassette (CS . .UB4EAW).

CZ-RL511D
NEW Infrared remote controller Sky Remote. 2m cable length of infrared receiver for Hide Away.

CZ-RTC5B
Design wired remote controller with Econavi function and datanavi.

CZ-RWS3 + CZ-RWRU3
Infrared remote controller for 4 Way 90x90 Cassette.

CZ-RWS3
Infrared remote controller for Wall Mounted and 4 Way 60x60 (with CZ-KPY3AW).

CZ-RWS3 + CZ-RWRT3
Infrared remote controller for Ceiling.

CZ-RWS3 + CZ-RWRC3
Infrared remote controller for all indoor units.

CZ-RE2C2
Simplified wired remote controller.

CZ-CSRC3
Temperature remote sensor.

Controller and touch controllers for Hotels with Dry Contacts

PAW-RE2C3-WH-1
Stand-Alone with I/O, White.

PAW-RE2C3-MOD-WH-1
Modbus RS-485 with I/O, White.

PAW-RE2C4-MOD-WH
NEW Modbus RS-485 touch room controller with I/O, White.

PAW-RE2C4-MOD-BK
NEW Modbus RS-485 touch room controller with I/O, Black.

PAW-RE2D4-WH
NEW Touch display control with 2 inputs, White.

PAW-RE2D4-BK
NEW Touch display control with 2 inputs, Black.

Hotel sensors for Dry Contacts

PAW-WMS-DC
NEW Wall motion sensor 24V.

PAW-WMS-AC
NEW Wall motion sensor AC.

PAW-CMS-DC
NEW Ceiling motion sensor 24V.

PAW-CMS-AC
NEW Ceiling motion sensor AC.

PAW-24DC
NEW Power supply 24V.

PAW-DWC
NEW Door or window contact.

Centralised Controls

CZ-64ESMC3
System Controller with Schedule timer. Operation with various function from center station.

CZ-ANC3
Central ON/OFF controller, up to 16 groups, 64 indoor units.

CZ-256ESMC3
Simplified load distribution ratio (LDR) for each tenant. Intelligent Controller (Touch screen panel).

Centralised Controls. BMS System. PC Base

CZ-CSWKC2
PAIMS Basic software.

CZ-CFUNC2
Communication adaptor.

CZ-CSWAC2
PAIMS Consumption calculation control.

CZ-CSWBC2
PAIMS - BACnet interface.

CZ-CSWGC2
PAIMS - Layout display.

CZ-CSWWC2
PAIMS - Web application.

Centralised Controls. Connection with 3rd Party Controller

CZ-CAPDC2
Serial parallel device controlling outdoor units, up to 4 units.

CZ-CAPC3
Adaptor for ON/OFF control of external devices.

CZ-CAPBC2
Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.

CZ-CFUNC2
Communication Adaptor. Up to 128 groups. Controls 128 units.

VRF Smart Connectivity

Panasonic Schneider Electric

SER8150R0B1194
Remote Controller Panasonic Net Con, RH, No PIR, R1/R2.

SER8150R5B1194
Remote Controller Panasonic Net Con, RH, PIR, R1/R2.

VCM8000V5094P
Wireless Zigbee Pro module / Green Com card.

SED-WDC-G-5045
Door / window wireless sensor.

SED-MTH-G-5045
Wall / ceiling (motion) wireless sensor.

SED-CO2-G-5045
CO_2 sensor.

SED-TRH-G-5045
Sensor with room temperature and humidity.

Accessories Interfaces

PA-RC2-WIFI-1
Interface for Intesishome for PACi and ECOi.

PAW-RC2-KNX-1i
KNX Interface.

PAW-RC2-MBS-4
Modbus interface to control 4 indoor/groups.

PAW-RC2-MBS-1
Modbus Interface.

PAW-MBS-TCP2RTU
ModBus RTU Slave devices.

PAW-RC2-BAC-1
BACnet Interface.

CZ-CAPRA1
Domestic with CN-CNT port integration to PACi and ECOi.

CZ-CAPWFC1
NEW Commercial WLAN Adaptor.

PAW-AC2-MBS-16P
NEW Modbus Interface for 16 indoors.

PAW-AC2-MBS-64P
NEW Modbus Interface for 64 indoors.

PAW-AC2-MBS-128P
NEW Modbus Interface for 128 indoors.

PAW-AC2-KNX-16P
NEW KNX Interface for 16 indoors.

PAW-AC2-KNX-64P
NEW KNX Interface for 64 indoors.

PAW-AC2-BAC-16P
NEW BACnet Interface for 16 indoors.

PAW-AC2-BAC-64P
NEW BACnet Interface for 64 indoors.

PAW-AC2-BAC-128P
NEW BACnet Interface for 128 indoors.

Panasonic AC Smart Cloud

CZ-CFUSCC1
Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.

PAW-MVN0AC-V
PAW-MVN0AC-K
3G communication package (SIM Card included). V, K: Depending on countries.

Accessories PCB

PAW-T10
All T10 functions.

PAW-PACR3
Redundancy of 2 or 3 systems; for PACi and ECOi.

PAW-SERVER-PKEA
Redundancy of 2 units TKEA.

Accessories Cables

CZ-T10
Cable for all the T10 functions.

PAW-FDC
Cable to operate external EC fan.

PAW-OCT
Cable for all option monitoring signals.

PAW-EXCT
Cable with force Thermo OFF/leakage Detection.

CZ-CAPE2
Option monitoring signals wo. Fan.

INDUSTRIAL VRF SYSTEMS

Professional solutions for all types of projects.
The new Panasonic VRF System is specifically designed for energy saving, easy installation and high efficiency performance, with a wide choice of outdoor and indoor unit models and unique features which are designed for the most demanding offices and big buildings.

VRF Systems ECOi EX.

A VRF System delivering energy-saving performance, powerful operation, reliability and comfort surpassing anything previously possible.
It represents a true paradigm shift in air conditioning solutions.

Mini ECOi LE Series.

The Mini ECOi combines smartly compact body with high specifications. It delivers high levels of energy-saving, powerful operation, reliability and comfort.

New BMS interface with P-Link.

New BMS interface with Panasonic communication bus helps you to get significant savings.

VRF Smart Connectivity.

Panasonic's VRF Smart Connectivity is a completely new, state-of-the-art solution providing energy saving and comfort as well as simple installation, operation and running.

Panasonic AC Smart Cloud.

Centralised control of your business premises, from wherever 24/7.
Smartly control, maintain, optimise and save.

RANGE OF VRF OUTDOOR UNITS

Page	Outdoor units	4HP	5HP	6HP	8HP	10HP
P. 156	Mini ECOi LE2 / LE1 Series	 U-4LE2E5 / U-4LE2E8	 U-5LE2E5 / U-5LE2E8	 U-6LE2E5 / U-6LE2E8	 U-8LE1E8	 U-10LE1E8
P. 158	2-Pipe ECOi EX ME2 Series				 U-8ME2E8	 U-10ME2E8
P. 164	3-Pipe ECOi EX MF3 Series				 U-8MF3E8	 U-10MF3E8

12HP	14HP	16HP	18HP	20HP
				
U-12ME2E8	U-14ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8
				
U-12MF3E8	U-14MF3E8	U-16MF3E8		

MINI ECOi LE SERIES

COMPACT DESIGN

For light commercial & residential use. The most flexible VRF system ever.
Meeting the needs of light commercial applications. Advantages of Mini ECOi LE Series used for medium sized buildings.

Mini ECOi LE Series for commercial and residential use

Advantages of Mini ECOi LE Series used for medium sized buildings.

1. **Installation.** Improvements including compact outdoor unit design, long piping and high pressure of 35Pa allow easier installation of units in condominiums and medium sized buildings with limited spaces.
2. **Energy Control.** The use of R410 refrigerant, the Inverter compressor, and the design of the outdoor unit fan and heat exchanger contributes to high efficiency resulting to lower energy consumption.
3. **Reliability.** Panasonic air conditioners are built to operate in wide temperature range (-20 to 46°C). Using the Bluefin treatment and condenser, outdoor units are also durable against harsh environments like rain and sea breeze.

7,85 SEER | **4,87*** SCOP
INDUSTRY LEADING EFFICIENCY

LE2 Series - 4 / 5 / 6HP

6,37* SEER
4,31 SCOP

LE1 Series - 8 / 10HP

Compact design: LE2 Series - 4 / 5 / 6HP

- Extraordinary energy saving: 7,85 SEER and 4,87 SCOP (4HP)*
- 50 m piping length without additional refrigerant charge
- Quiet operation mode with 4 levels
- High COP mode option

LE1 Series - 8 / 10HP

- 60% smaller than ECOi ME2 8 / 10 HP with vertical flow type
- Flexible piping length (Total: 300m, Furthest: 150m)
- Maximum number of connectable indoor units: 15

Key features for LE2 / LE1

- High external static pressure 35Pa
- Full range of ECOi indoor units and controllers
- Variable evaporation temperature control as standard
- Connectable maximum indoor / outdoor capacity ratio up to 130%
- Auto restart from outdoor units
- Demand response (Peak cut) by optional parts
- Suitable for R22 renewable projects

* SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) x PEF.

Mini ECOi LE Series

HP			4HP	5HP	6HP	4HP	5HP	6HP	8HP	10HP
Outdoor units			**U-4LE2E5**	**U-5LE2E5**	**U-6LE2E5**	**U-4LE2E8**	**U-5LE2E8**	**U-6LE2E8**	**U-8LE1E8**	**U-10LE1E8**
Power supply	Voltage	V	220/230/240	220/230/240	220/230/240	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Single Phase	Single Phase	Single Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity		kW	12,10	14,00	15,50	12,10	14,00	15,50	22,40	28,00
EER [1]		W/W	4,50	4,06	3,73	4,50	4,06	3,73	3,80	3,11
SEER [2]			**7,85**	**7,48**	**7,25**	**7,85**	**7,48**	**7,25**	**6,27**	**6,37**
Running current cooling		A	13,30/12,70/12,20	16,30/15,60/17,00	20,30/19,40/18,60	4,39/4,17/4,02	5,58/5,30/5,11	6,71/6,37/6,14	9,60/9,15/8,80	14,70/14,00/13,50
Input power cooling		kW	2,69	3,45	4,15	2,69	3,45	4,15	5,89	9,00
Heating capacity		kW	12,50	16,00	16,5	12,50	16,00	16,50	25,00	28,00
COP [1]		W/W	5,19	4,60	4,27	5,19	4,60	4,27	4,02	3,93
SCOP [2]			**4,87**	**4,40**	**4,24**	**4,87**	**4,40**	**4,24**	**4,24**	**4,31**
Running current heating		A	12,20/11,60/11,20	17,60/16,80/16,10	19,10/18,20/17,50	3,98/3,78/3,64	5,62/5,34/5,14	6,24/5,93/5,71	10,20/9,65/9,30	11,60/11,10/10,70
Input power heating		kW	2,41	3,48	3,86	2,41	3,48	3,86	6,22	7,13
Starting current		A	1,00	1,00	1,00	1,00	1,00	1,00	1,00	1,00
Maximum current		A	17,30	24,30	27,40	7,90	10,10	10,70	13,70	19,60
Maximum input power		kW	3,50/3,66/3,82	4,92/5,14/5,37	5,61/5,86/6,12	4,34/5,09/5,28	6,25/6,55/6,82	6,62/6,97/7,23	9,16	13,10
Maximum number of connectable indoor units			7 (10) [3]	8 (10) [3]	9 (12) [3]	7 (10) [3]	8 (10) [3]	9 (12) [3]	15 [4]	15 [4]
External static pressure		Pa	0 ~ 35	0 ~ 35	0 ~ 35	0 ~ 35	0 ~ 35	0 ~ 35	0 ~ 35	0 ~ 35
Air volume		m^3/min	69	72	74	69	72	74	150	160
Sound pressure	Cool	dB(A)	52	53	54	52	53	53	60	63
	Cool (Silent 1/2/3/4)	dB(A)	50,5/49/47/45	51,5/50/48/46	52,5/51/48/46	50,5/49/49/47	48,5/50/48/46	48,5/50/48/46	57/55/53	60/58/56
	Heat	dB(A)	54	56	56	54	56	56	64	65
Sound power	Cool / Heat	dB	69/72	71/75	73/75	69/72	71/75	73/75	81/85	84/86
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	106	106	106	106	106	106	132	133
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52) [5] 1/2 (12,70) [6]	3/8 (9,52) [5] 1/2 (12,70) [6]
	Gas pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	3/4 (19,05) [5] 7/8 (22,22) [6]	7/8 (22,22) [5] 1 (25,40) [6]
Maximum piping length (total)		m	150 (180)	150 (180)	150 (180)	150 (180)	150 (180)	150 (180)	7,5 ~ 150 (7,5 ~ 300)	7,5 ~ 150 (7,5 ~ 300)
Elevation difference (in/out)		m	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)	50 (Outdoor unit upper)/ 40 (Outdoor unit lower)
Refrigerant (R410A) / CO_2 Eq.		kg / T	6,70 (14,40) / 13,9896	6,70 (14,40) / 13,9896	6,70 (14,40) / 13,9896	6,70 (14,40) / 13,9896	6,70 (14,40) / 13,9896	6,70 (14,40) / 13,9896	6,30 (24,00) / 13,1544	6,60 (24,00) / 13,7808
Maximum allowable indoor / outdoor capacity ratio		%	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130	50 ~ 130
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18

1) EER and COP calculation is based in accordance to EN14511. 2) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) x PEF. 3) In case of 1,50kW indoor unit's connection, able to connect maximum 12 indoor units. 4) If the heating utilized, it is necessary to increase 1 size with respect to the main liquid pipe, depending on the combination of the indoor unit. 5) Under 90m for ultimate indoor unit. 6) Over 90m for ultimate indoor unit. If the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas and liquid pipes.

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

INTERNET CONTROL: Optional.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

2-PIPE ECOi EX ME2 SERIES

Energy-saving performance, powerful operation, reliability and comfort surpassing anything previously possible.

High performance at extreme conditions

ECOi EX is highly reliable, with strong cooling and heating power, even when operating at extreme ambient temperatures. The units can operate at 100% of capacity at 43°C, reaching a great cooling operation up to 52°C and in heating -25°C.
Also, the ECOi EX features include Bluefin in newly designed heat exchanger improving efficiency as well in marine ambient. A silicone coated PCB (Printed Circuit Board) protects the unit from being damaged by environmental factors such as moisture and dust.

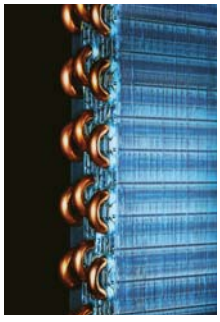
Superior flexibility

With its up to 1000 meters of pipeline, its maximum 30 meters height difference between indoor units and its 200 meters length, the design possibilities have grown exponentially making the new ECOi EX the ideal air conditioning option for long haul buildings, such as train stations, airports, schools or hospitals. These advantages are enhanced with the wide range of indoor unit models and capacities facilitating the perfect adaptation to all kind of projects. The careful selection of controls and peripherals such as the Pump Down, the AHU or/and the chiller, enables an optimum system use. Connectable maximum allowable indoor / outdoor capacity ratio up to 200%.

VRF with outstanding energy-saving performance and powerful operation SEER 7,56 (18HP model).

Outstanding efficiency and comfort

The new ECOi EX system is designed to increase energy efficiency by delivering high SEER rating, as well as high efficiency for part-load operations.
The system has reduced energy costs thanks to "All-Inverter Compressors", with independent control to deliver highly flexible performance. Also, the ECOi EX features an enlarged heat exchanger with triple surfaces that allow for improved heat transfer and a newly designed curved air discharge bell-mouth for better aerodynamics. The three-stage oil recovery design makes it able to minimise the frequency of forced oil recovery, leading to reduced energy costs and sustained comfort.



Enlarged heat exchanger surface area with triple surface.

* For 8 and 10HP unit, the heat exchanger is 2 row design.

Multiple large-capacity all Inverter compressors (more than 14HP).

Newly designed curved air discharge bell mouth for better aerodynamics.

2-Pipe ECOi EX ME2 Series

			8HP	10HP	12HP	14HP	16HP	18HP	20HP
Outdoor units			**U-8ME2E8**	**U-10ME2E8**	**U-12ME2E8**	**U-14ME2E8**	**U-16ME2E8**	**U-18ME2E8**	**U-20ME2E8**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	22,40	28,00	33,50	40,00	45,00	50,00	56,00
EER [1]		W/W	4,70	4,37	3,96	3,88	3,52	3,52	3,35
ESEER		W/W	9,33	8,67	7,94	7,73	7,19	6,95	6,18
SEER [2]			**7,43**	**6,83**	**6,65**	**7,23**	**6,43**	**7,56**	**7,03**
Running current cooling		A	7,40/7,14	10,20/9,80	13,00/12,50	16,50/15,90	20,10/19,40	22,00/21,20	25,40/24,50
Input power cooling		kW	4,77	6,41	8,47	10,30	12,80	14,20	16,70
Heating capacity		kW	25,00	31,50	37,50	45,00	50,00	56,00	63,00
COP [1]		W/W	5,13	4,76	4,73	4,56	4,42	4,38	3,94
SCOP [2]			**4,79**	**4,26**	**4,72**	**4,28**	**4,05**	**4,29**	**4,09**
Running current heating		A	7,56/7,29	10,50/11,10	12,30/11,80	15,80/15,20	17,90/17,30	20,10/19,40	24,60/23,70
Input power heating		kW	4,87	6,62	7,92	9,86	11,30	12,80	16,00
Starting current		A	1,00	1,00	1,00	2,00	2,00	2,00	2,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80
Air volume		m^3/min	224	224	232	232	232	405	405
Sound pressure	Normal mode	dB(A)	54	56	59	60	61	59	60
	Silent mode	dB(A)	51	53	56	57	58	56	57
Sound power	Normal mode	dB	75	77	80	81	82	80	81
Dimension	H x W x D	mm	1842 x 770 x 1000	1842 x 770 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1540 x 1000	1842 x 1540 x 1000
Net weight		kg	210	210	270	315	315	375	375
Piping connections [3]	Liquid pipe	Inch (mm)	3/8 (9,52) / 1/2 (12,70)	3/8 (9,52) / 1/2 (12,70)	1/2 (12,70) / 5/8 (15,88)	1/2 (12,70) / 5/8 (15,88)	1/2 (12,70) / 5/8 (15,88)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)
	Gas pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	7/8 (22,22) / 1 (25,40)	1 (25,40) / 1-1/8 (28,58)	1 (25,40) / 1-1/8 (28,58)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A)		kg / TCO_2 Eq.	5,60 / 11,6928	5,60 / 11,6928	8,30 / 17,3304	8,30 / 17,3304	8,30 / 17,3304	9,50 / 19,836	9,50 / 19,836
Maximum allowable indoor / outdoor capacity ratio % [4]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) EER and COP calculation is based in accordance to EN14511. 2) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) x PEF. 3) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 18 to 28HP

			18HP	20HP	22HP	24HP	26HP	28HP
Model name			**U-8ME2E8**	**U-10ME2E8**	**U-10ME2E8**	**U-12ME2E8**	**U-10ME2E8**	**U-12ME2E8**
			U-10ME2E8	**U-10ME2E8**	**U-12ME2E8**	**U-12ME2E8**	**U-16ME2E8**	**U-16ME2E8**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity		kW	50,00	56,00	61,50	68,00	73,00	78,50
EER [1]		W/W	4,55	4,38	4,13	3,93	3,80	3,69
Running current cooling		A	17,30/16,60	20,30/19,60	23,10/22,30	26,60/25,60	30,10/29,00	33,10/31,90
Input power cooling		kW	11,00	12,80	14,90	17,30	19,20	21,30
Heating capacity		kW	56,00	63,00	69,00	76,50	81,50	87,50
COP [1]		W/W	4,96	4,77	4,76	4,69	4,55	4,56
Running current heating		A	17,70/17,10	20,90/20,20	22,70/21,90	25,30/24,40	28,40/27,40	30,10/29,00
Input power heating		kW	11,30	13,20	14,50	16,30	17,90	19,20
Starting current		A	2,00	2,00	2,00	2,00	3,00	3,00
External static pressure (Max)		Pa	80	80	80	80	80	80
Air volume		m³/min	448	448	456	464	456	464
Sound pressure	Normal / Silent mode	dB(A)	58,50/55,50	59,00/56,00	61,00/58,00	62,00/59,00	62,50/59,50	63,50/60,50
Sound power	Normal mode	dB	79,50	80,00	82,00	83,00	83,50	84,50
Dimension / Net weight	H x W x D	mm / kg	1842 x 1600 x 1000/420	1842 x 1600 x 1000/420	1842 x 2010 x 1000/480	1842 x 2420 x 1000/540	1842 x 2010 x 1000/535	1842 x 2420 x 1000/585
Piping connections [2]	Liquid pipe	Inch (mm)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	11,20/23,3856	11,20/23,3856	13,90/29,0232	16,60/34,6608	13,90/29,0232	16,60/34,6608
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 30 to 40HP

			30HP	32HP	34HP	36HP	38HP	40HP
Model name			**U-14ME2E8**	**U-16ME2E8**	**U-10ME2E8**	**U-12ME2E8**	**U-10ME2E8**	**U-12ME2E8**
			U-16ME2E8	**U-16ME2E8**	**U-12ME2E8**	**U-12ME2E8**	**U-12ME2E8**	**U-12ME2E8**
					U-12ME2E8	**U-12ME2E8**	**U-16ME2E8**	**U-16ME2E8**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity		kW	85,00	90,00	96,00	101,00	107,00	113,00
EER [1]		W/W	3,68	3,52	4,05	3,95	3,84	3,75
Running current cooling		A	36,60/35,30	40,20/38,70	36,80/35,50	39,30/37,90	43,80/42,20	46,70/45,00
Input power cooling		kW	23,10	25,60	23,70	25,60	27,90	30,10
Heating capacity		kW	95,00	100,00	108,00	113,00	119,00	127,00
COP [1]		W/W	4,48	4,42	4,72	4,73	4,61	4,57
Running current heating		A	33,60/32,40	35,80/34,60	35,90/34,60	37,10/35,80	40,50/39,00	43,60/42,00
Input power heating		kW	21,20	22,60	22,90	23,90	25,80	27,80
Starting current		A	4,00	4,00	3,00	3,00	4,00	4,00
External static pressure (Max)		Pa	80	80	80	80	80	80
Air volume		m³/min	464	464	688	696	688	696
Sound pressure	Normal / Silent mode	dB(A)	63,50/60,50	64,00/61,00	63,00/60,00	64,00/61,00	64,00/61,00	64,50/61,50
Sound power	Normal mode	dB	84,50	85,00	84,00	85,00	85,00	85,50
Dimension / Net weight	H x W x D	mm / kg	1842 x 2420 x 1000/630	1842 x 2420 x 1000/630	1842 x 3250 x 1000/750	1842 x 3660 x 1000/810	1842 x 3250 x 1000/795	1842 x 3660 x 1000/855
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	16,60/34,6608	16,60/34,6608	22,20/46,3536	24,90/51,9912	22,20/46,3536	24,90/46,3536
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

Data is for reference. 1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 42 to 52HP

			42HP	44HP	46HP	48HP	50HP	52HP
Model name			**U-10ME2E8**	**U-12ME2E8**	**U-14ME2E8**	**U-16ME2E8**	**U-10ME2E8**	**U-12ME2E8**
			U-16ME2E8	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-12ME2E8**	**U-12ME2E8**
			U-16ME2E8	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-12ME2E8**	**U-12ME2E8**
							U-16ME2E8	**U-16ME2E8**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity		kW	118,00	124,00	130,00	135,00	140,00	145,00
EER [1]		W/W	3,69	3,62	3,62	3,52	3,87	3,82
Running current cooling		A	50,20/48,40	53,20/51,30	56,90/54,90	60,20/58,10	56,20/54,20	59,00/56,80
Input power cooling		kW	32,00	34,30	35,90	38,40	36,20	38,00
Heating capacity		kW	132,00	138,00	145,00	150,00	155,00	160,00
COP [1]		W/W	4,49	4,50	4,46	4,42	4,65	4,66
Running current heating		A	46,60/44,90	48,20/46,40	51,50/49,70	53,80/51,80	52,20/50,40	53,80/51,90
Input power heating		kW	29,40	30,70	32,50	33,90	33,30	34,30
Starting current		A	5,00	5,00	6,00	6,00	5,00	5,00
External static pressure (Max)		Pa	80	80	80	80	80	80
Air volume		m³/min	688	696	696	696	920	928
Sound pressure	Normal / Silent mode	dB(A)	65,00/62,00	65,50/62,50	65,50/62,50	66,00/63,00	65,50/62,50	66,00/63,00
Sound power	Normal mode	dB	86,00	86,50	86,50	87,00	86,50	87,00
Dimension / Net weight	H x W x D	mm / kg	1842 x 3250 x 1000/840	1842 x 3660 x 1000/900	1842 x 3660 x 1000/945	1842 x 3660 x 1000/945	1842 x 4490 x 1000/1065	1842 x 4900 x 1000/1125
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	22,20/51,9912	24,90/51,9912	24,90/51,9912	24,90/51,9912	30,50/63,6840	33,20/69,3216
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 54 to 64HP

			54HP	56HP	58HP	60HP	62HP	64HP
Model name			**U-10ME2E8**	**U-12ME2E8**	**U-10ME2E8**	**U-12ME2E8**	**U-14ME2E8**	**U-16ME2E8**
			U-12ME2E8	**U-12ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**
			U-16ME2E8	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**
			U-16ME2E8	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**	**U-16ME2E8**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity		kW	151,00	156,00	162,00	168,00	174,00	180,00
EER [1]		W/W	3,75	3,71	3,65	3,60	3,60	3,52
Running current cooling		A	63,20/60,90	65,30/63,00	69,70/67,10	73,30/70,60	75,80/73,00	80,30/77,40
Input power cooling		kW	40,30	42,10	44,40	46,70	48,30	51,20
Heating capacity		kW	169,00	175,00	182,00	189,00	195,00	201,00
COP [1]		W/W	4,56	4,56	4,47	4,47	4,45	4,42
Running current heating		A	58,80/56,70	60,20/58,10	64,60/62,20	67,10/64,70	69,50/67,00	72,20/69,60
Input power heating		kW	37,10	38,40	40,70	42,30	43,80	45,50
Starting current		A	6,00	6,00	7,00	7,00	8,00	8,00
External static pressure (Max)		Pa	80	80	80	80	80	80
Air volume		m³/min	920	928	920	928	928	928
Sound pressure	Normal / Silent mode	dB(A)	66,00/63,00	66,50/63,50	66,50/63,50	67,00/64,00	67,00/64,00	67,00/64,00
Sound power	Normal mode	dB	87,00	87,50	87,50	88,00	88,00	88,00
Dimension / Net weight	H x W x D	mm / kg	1842 x 4490 x 1000/1110	1842 x 4900 x 1000/1170	1842 x 4490 x 1000/1155	1842 x 4900 x 1000/1215	1842 x 4900 x 1000/1260	1842 x 4900 x 1000/1260
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-5/8 (41,28) / 1-3/4 (44,45)	1-5/8 (41,28) / 1-3/4 (44,45)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	30,50/63,6840	33,20/69,3216	30,50/63,6840	33,20/69,3216	33,20/69,3216	33,20/69,3216
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

Data is for reference. 1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 22 to 34HP

Model name			22HP	24HP	26HP	28HP	30HP	32HP	34HP
			U-10ME2E8	U-12ME2E8	U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8	U-14ME2E8
			U-12ME2E8	U-12ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-20ME2E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	61,50	68,00	73,00	78,50	85,00	90,00	96,00
EER [1]		W/W	4,13	3,93	3,80	3,69	3,68	3,52	3,56
Running current cooling		A	23,10/22,30	26,60/25,60	30,10/29,00	33,10/31,90	36,60/35,30	40,20/38,70	41,90/40,40
Input power cooling		kW	14,90	17,30	19,20	21,30	23,10	25,60	27,00
Heating capacity		kW	69,00	76,50	81,50	87,50	95,00	100,00	108,00
COP [1]		W/W	4,76	4,69	4,55	4,56	4,48	4,42	4,17
Running current heating		A	22,70/21,90	25,30/24,40	28,40/27,40	30,10/29,00	33,60/32,40	35,80/34,60	40,60/39,20
Input power heating		kW	14,50	16,30	17,90	19,20	21,20	22,60	25,90
Starting current		A	2,00	2,00	3,00	3,00	4,00	4,00	4,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80
Air volume		m³/min	456	464	456	464	464	464	637
Sound pressure	Normal / Silent mode	dB(A)	61,00/58,00	62,00/59,00	62,50/59,50	63,50/60,50	63,50/60,50	64,00/61,00	63,00/60,00
Sound power	Normal mode	dB	82,00	83,00	83,50	84,50	84,50	85,00	84,00
Dimension / Net weight	H x W x D	mm / kg	1842 x 2010 x 1000/480	1842 x 2420 x 1000/540	1842 x 2010 x 1000/525	1842 x 2420 x 1000/585	1842 x 2420 x 1000/630	1842 x 2420 x 1000/630	1842 x 2780 x 1000/690
Piping connections [2]	Liquid pipe	Inch (mm)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	13,90/23,3856	16,60/34,6608	13,90/29,0232	16,60/34,6608	16,60/34,6608	16,60/34,6608	17,80/37,1664
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 36 to 48HP

Model name			36HP	38HP	40HP	42HP	44HP	46HP	48HP
			U-16ME2E8	U-18ME2E8	U-20ME2E8	U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8
						U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	101,00	107,00	113,00	118,00	124,00	130,00	135,00
EER [1]		W/W	3,42	3,42	3,34	3,69	3,62	3,62	3,52
Running current cooling		A	45,30/43,70	48,10/46,30	51,40/49,50	50,20/48,40	53,20/51,30	56,90/54,90	60,20/58,10
Input power cooling		kW	25,9	31,3	33,8	32,0	34,3	35,9	38,4
Heating capacity		kW	113,00	119,00	127,00	132,00	138,00	145,00	150,00
COP [1]		W/W	4,14	4,13	3,92	4,49	4,50	4,46	4,42
Running current heating		A	42,40/40,80	44,70/43,10	49,80/48,00	46,60/44,90	48,20/46,40	51,50/49,70	53,80/51,80
Input power heating		kW	27,30	28,80	32,40	29,40	30,70	32,50	33,90
Starting current		A	4,00	4,00	4,00	5,00	5,00	6,00	6,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80
Air volume		m³/min	637	810	810	688	696	696	696
Sound pressure	Normal / Silent mode	dB(A)	63,50/60,50	62,50/59,50	63,00/60,00	65,00/62,00	65,50/62,50	65,50/62,50	66,00/63,00
Sound power	Normal mode	dB	84,50	83,50	84,00	86,00	86,50	86,50	87,00
Dimension / Net weight	H x W x D	mm / kg	1842 x 2780 x 1000/690	1842 x 3140 x 1000/750	1842 x 3140 x 1000/750	1842 x 3250 x 1000/840	1842 x 3660 x 1000/900	1842 x 3660 x 1000/945	1842 x 3660 x 1000/945
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	17,80/37,1664	19,00/39,672	19,00/39,672	22,20/46,3536	24,90/51,9912	24,90/51,9912	24,90/51,9912
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 50 to 64HP

Model name			50HP	52HP	54HP	56HP	58HP	60HP	62HP	64HP
			U-14ME2E8	U-16ME2E8	U-14ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8	U-14ME2E8	U-16ME2E8
			U-16ME2E8	U-16ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-16ME2E8	U-16ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-16ME2E8	U-16ME2E8
									U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity		kW	140,00	145,00	151,00	156,00	162,00	168,00	174,00	180,00
EER [1]		W/W	3,55	3,46	3,49	3,41	3,40	3,35	3,60	3,52
Running current cooling		A	61,10/58,90	65,00/62,70	66,50/64,10	70,30/67,80	73,10/70,40	76,10/73,40	75,80/73,00	80,30/77,40
Input power cooling		kW	39,40	41,90	43,30	45,80	47,60	50,10	48,30	51,20
Heating capacity		kW	155,00	160,00	169,00	175,00	182,00	189,00	195,00	201,00
COP [1]		W/W	4,29	4,27	4,11	4,08	4,06	3,94	4,45	4,42
Running current heating		A	56,60/54,60	58,80/56,70	63,80/61,50	66,60/64,20	69,50/67,00	73,70/71,00	69,50/67,00	72,20/69,60
Input power heating		kW	36,10	37,50	41,10	42,90	44,80	48,00	43,80	45,50
Starting current		A	6,00	6,00	6,00	6,00	6,00	6,00	8,00	8,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80
Air volume		m³/min	869	869	1042	1042	1215	1215	928	928
Sound pressure	Normal / Silent mode	dB(A)	65,50/62,50	65,50/62,50	65,00/62,00	65,50/62,50	64,50/61,50	65,00/62,00	67,00/64,00	67,00/64,00
Sound power	Normal mode	dB	86,50	86,50	86,00	86,50	85,50	86,00	88,00	88,00
Dimension / Net weight	H x W x D	mm / kg	1842 x 4020 x 1000 / 1005	1842 x 4020 x 1000 / 1005	1842 x 4380 x 1000 / 1065	1842 x 4380 x 1000 / 1065	1842 x 4740 x 1000 / 1125	1842 x 4740 x 1000 / 1125	1842 x 4900 x 1000 / 1260	1842 x 4900 x 1000 / 1260
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Gas pipe	Inch (mm)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-5/8 (41,28) / 1-3/4 (44,45)	1-5/8 (41,28) / 1-3/4 (44,45)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	26,10/54,4968	26,10/54,4968	27,30/57,0024	27,30/57,0024	28,50/59,508	28,50/59,508	33,20/69,3216	33,20/69,3216
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 66 to 80HP

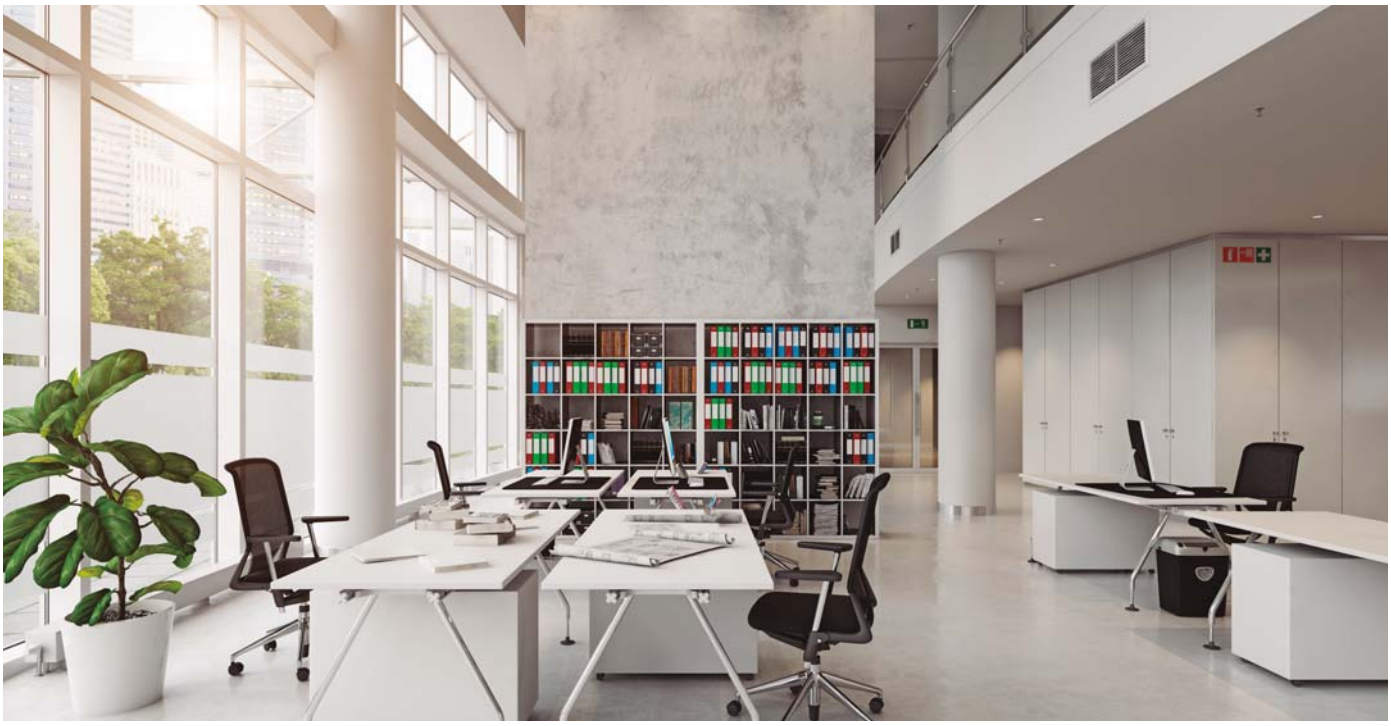
Model name			66HP	68HP	70HP	72HP	74HP	76HP	78HP	80HP
			U-10ME2E8	U-12ME2E8	U-10ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8
			U-16ME2E8	U-16ME2E8	U-20ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity		kW	185,00	190,00	196,00	202,00	208,00	213,00	219,00	224,00
EER [1]		W/W	3,52	3,49	3,47	3,42	3,42	3,39	3,38	3,35
Running current cooling		A	80,80/77,80	83,70/80,70	86,80/83,60	90,60/87,30	93,40/90,00	96,60/93,10	98,30/94,70	101,50/97,80
Input power cooling		kW	52,60	54,50	56,50	59,00	60,80	62,90	64,70	66,80
Heating capacity		kW	207,00	213,00	219,00	226,00	233,00	239,00	245,00	252,00
COP [1]		W/W	4,16	4,18	4,05	4,14	4,12	4,03	4,03	3,94
Running current heating		A	77,10/74,30	79,20/76,30	83,10/80,10	84,70/81,70	87,70/84,50	92,00/88,70	93,40/90,00	98,30/94,70
Input power heating		kW	49,70	51,00	54,10	54,60	56,50	59,30	60,80	64,00
Starting current		A	7,00	7,00	7,00	8,00	8,00	8,00	8,00	8,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80
Air volume		m³/min	1266	1274	1439	1274	1447	1447	1620	1620
Sound pressure	Normal / Silent mode	dB(A)	66,00/63,00	66,50/63,50	65,50/62,50	66,50/63,50	66,50/63,50	66,50/63,50	66,00/63,00	66,00/63,00
Sound power	Normal mode	dB	87,00	87,50	86,50	87,50	87,50	87,50	87,00	87,00
Dimension / Net weight	H x W x D	mm / kg	1842 x 5210 x 1000 / 1275	1842 x 5620 x 1000 / 1335	1842 x 5570 x 1000 / 1335	1842 x 5620 x 1000 / 1380	1842 x 5980 x 1000 / 1440	1842 x 5980 x 1000 / 1440	1842 x 6340 x 1000 / 1500	1842 x 6340 x 1000 / 1500
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	7/8 (22,22) / 1 (25,04)	7/8 (22,22) / 1 (25,04)	7/8 (22,22) / 1 (25,04)	7/8 (22,22) / 1 (25,04)	7/8 (22,22) / 1 (25,04)	7/8 (22,22) / 1 (25,04)	7/8 (22,22) / 1 (25,04)
	Gas pipe	Inch (mm)	1-5/8 (41,28) / 1-3/4 (44,45)	1-5/8 (41,28) / 1-3/4 (44,45)	1-5/8 (41,28) / 1-3/4 (44,45)	1-3/4 (44,45) / 2 (50,80)	1-3/4 (44,45) / 2 (50,80)	1-3/4 (44,45) / 2 (50,80)	1-3/4 (44,45) / 2 (50,80)	1-3/4 (44,45) / 2 (50,80)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	32,90/68,6952	35,60/74,3328	34,10/19,836	35,80/68,6952	36,80/76,8384	36,80/76,8384	38,00/79,344	38,00/79,344
Maximum allowable indoor / outdoor capacity ratio % [3]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

3-PIPE ECOi EX MF3 SERIES

Simultaneous heating and cooling VRF system.
The Panasonic 3-Pipe MF3 Series offers the best solution for the most demanding customers.



Simultaneous heating and cooling VRF System

The Panasonic 3-Pipe ECOi EX MF3 series offers the ideal solution to meet customer's demand.

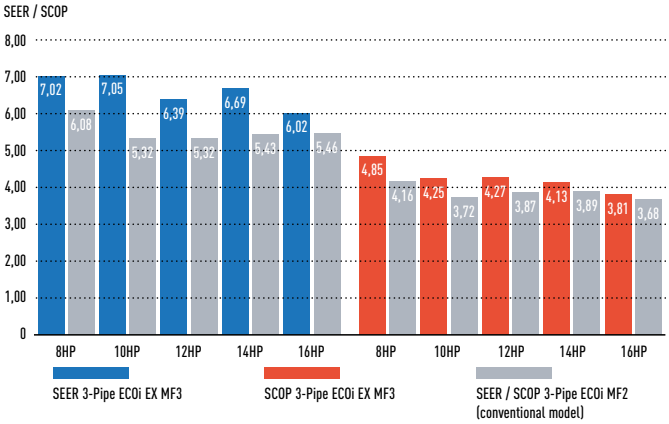
Upgraded energy efficiency utilized ECOi EX technology.

- SEER / SCOP improved in full capacities from 8 to 16HP
- SEER / SCOP follows LOT21 from started from January 2018
- EER / COP is certified in Eurovent

Design flexibility.

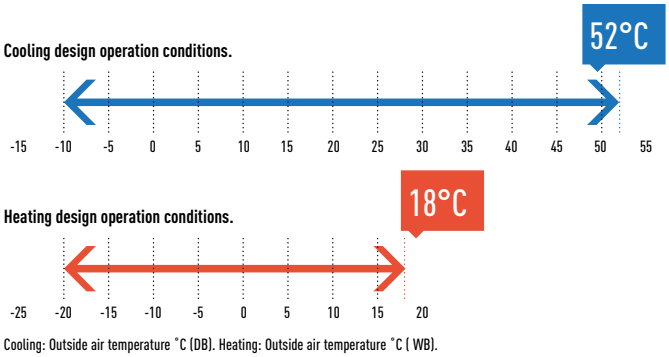
- High reliability even under tough temperature condition
- Maximum 52 indoor units connectable
- Slim heat recovery box with just 200 height
- Farthest piping length between indoor units and outdoor units: 200m

Excellent seasonal energy saving.



Extended design operation conditions

Cooling design operation conditions: The cooling operation range has been extended to -10°C ~ 52°C by changing the outdoor fan to an Inverter type.



Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).

Heating design operation conditions: Stable heating operation even with an outside air temperature of -20°C. The heating operation range has been extended to -20°C by use of a compressor with a high-pressure vessel.

Wide temperature setting range

Wired remote controller heating temperature setting range is 16 to 30°C.

4,85 SCOP

3-Pipe ECOi EX MF3 Series

			8HP	10HP	12HP	14HP	16HP
Outdoor units			**U-8MF3E8**	**U-10MF3E8**	**U-12MF3E8**	**U-14MF3E8**	**U-16MF3E8**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50
Cooling capacity		kW	22,40	28,00	33,50	40,00	45,00
EER [1]		W/W	5,11	4,72	3,91	3,70	3,49
SEER [2]			**7,02**	**7,05**	**6,39**	**6,69**	**6,02**
Running current cooling		A	7,16/6,80/6,55	9,90/9,41/9,07	3,19/13,20/12,70	18,20/17,30/16,70	21,30/20,20/19,50
Input power cooling		kW	4,38	5,93	8,57	10,80	12,90
Heating capacity		kW	25,00	31,50	37,50	45,00	50,00
COP [1]		W/W	5,25	5,17	4,51	4,21	4,17
SCOP [2]			**4,85**	**4,25**	**4,27**	**4,13**	**3,81**
Running current heating		A	7,78/7,39/7,12	10,20/9,66/9,31	13,40/12,80/12,30	18,10/17,20/16,50	20,00/19,00/18,30
Input power heating		kW	4,76	6,09	8,32	10,70	12,00
Starting current		A	1,00	1,00	1,00	2,00	2,00
External static pressure (Max)		Pa	80	80	80	80	80
Air volume		m^3/min	210	220	232	232	232
Sound pressure	Normal mode	dB(A)	54,00	57,00	60,00	61,00	62,00
	Silent mode 1 / 2	dB(A)	51,00/49,00	54,00/52,00	57,00/55,00	58,00/56,00	59,00/57,00
Sound power	Normal mode	dB	76,00	78,00	81,00	82,00	82,00
Dimension	H x W x D	mm	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000
Net weight		kg	261	262	286	334	334
Piping connections [3]	Liquid pipe	Inch (mm)	3/8 (9,52) / 1/2 (12,70)	3/8 (9,52) / 1/2 (12,70)	1/2 (12,70) / 5/8 (15,88)	1/2 (12,70) / 5/8 (15,88)	1/2 (12,70) / 5/8 (15,88)
	Discharge pipe	Inch (mm)	5/8 (15,88) / 3/4 (19,05)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	7/8 (22,22) / 1 (25,40)	7/8 (22,22) / 1 (25,40)
	Suction pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	7/8 (22,22) / 1 (25,40)	1 (25,40) / 1-1/8 (28,58)	1 (25,40) / 1-1/8 (28,58)	1-1/8 (28,58) / 1-1/4 (31,75)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	6,80/14,1984	6,80/14,1984	8,30/17,3304	8,30/17,3304	8,30/17,3304
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

Solenoid valve kit		
KIT-P56HR3	**KIT-P56HR3**	3-Pipe control Solenoid valve kit (up to 5,60kW)
	CZ-P56HR3	Solenoid valve kit (up to 5,60kW)
	CZ-CAPE2	3-Pipe control PCB
KIT-P160HR3	**KIT-P160HR3**	3-Pipe control Solenoid valve kit (from 5,60 to 16,00kW)
	CZ-P160HR3	Solenoid valve kit (up to 16,00kW)
	CZ-CAPE2	3-Pipe control PCB
CZ-CAPEK2		3-Pipe control PCB for wall mounted

3-Pipe control box kit	
CZ-P456HR3	4 ports 3 pipe box (up to 5,60kW)
CZ-P656HR3	6 ports 3 pipe box (up to 5,60kW)
CZ-P856HR3	8 ports 3 pipe box (up to 5,60kW)
CZ-P4160HR3	4 ports 3 pipe box (up to 16,00kW)

1) EER and COP calculation is based in accordance to EN14511. 2) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) x PEF. 3) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes).

HIGH COP | INVERTER+ | -20°C HEATING MODE | 5 YEARS COMPRESSOR WARRANTY

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
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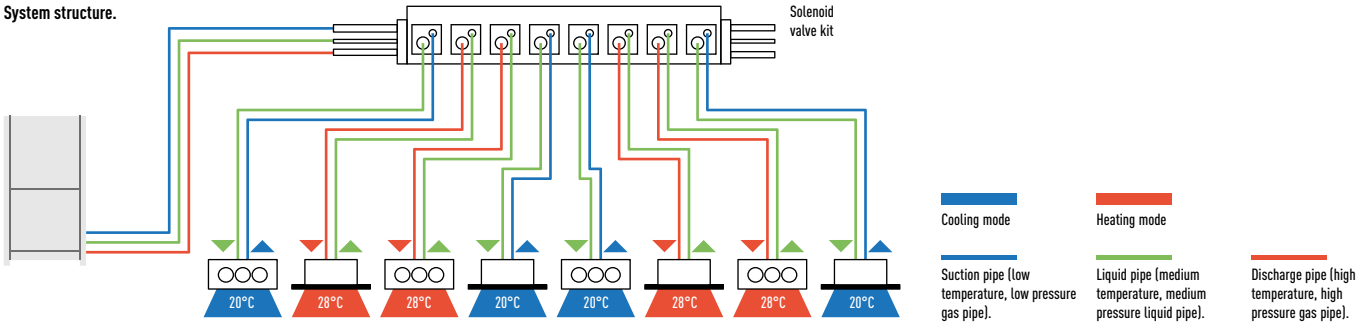
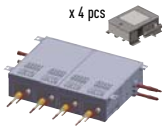
SLIM 3-PIPE CONTROL BOX KIT / MULTIPLE CONNECTION TYPE

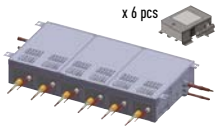
New Heat Recovery Box to connect multiple indoor units with just one box, 4, 6 and up to 8 indoor units or groups.
The height is only 200mm. This is good advantage specially in hotel applications, where space for connecting several boxes is limited.

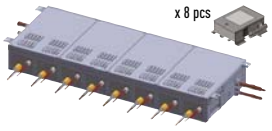
Individual control of multiple indoor units with solenoid valve kits.
- Any design and layout can be used in a single system.
- Cooling operation is possible up to an outdoor temperature of -10°C.

System structure.



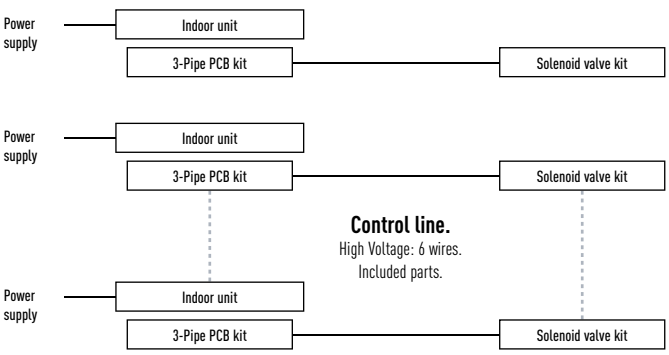




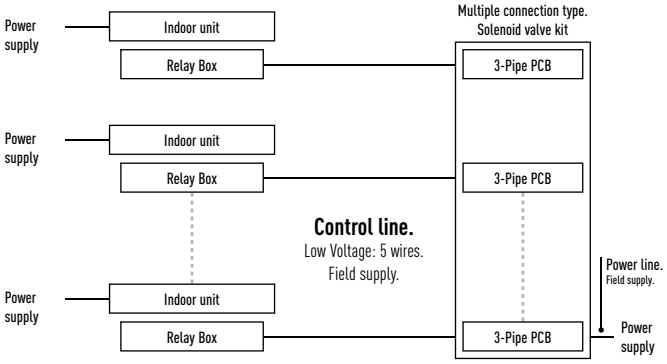
	1 port	4 port	6 port	8 port
56 type	CZ-P56HR3	CZ-P456HR3	CZ-P656HR3	CZ-P856HR3
160 type	CZ-P160HR3	CZ-P4160HR3	–	–

Solenoid valve kit / wiring work

Current model / single connection type



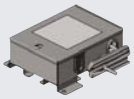
New model / multiple connection type



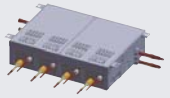
3-Pipe PCB kit.
Separately purchased.

Parts included in HR3 kit.

Signal Relay Box.
Included accessory.



Parts included in HR3 kit.



3-Pipe ECOi EX MF3 Series Combination from 18 to 32HP

HP			18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP
Model name			U-8MF3E8 U-10MF3E8	U-8MF3E8 U-12MF3E8	U-10MF3E8 U-12MF3E8	U-12MF3E8 U-12MF3E8	U-10MF3E8 U-16MF3E8	U-12MF3E8 U-16MF3E8	U-14MF3E8 U-16MF3E8	U-16MF3E8 U-16MF3E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity		kW	50,00	56,00	61,50	68,00	73,00	78,50	85,00	90,00
EER [1]		W/W	4,90	4,31	4,24	3,89	3,88	3,65	3,59	3,49
Running current cooling		A	16,80/16,00/15,40	21,00/20,00/19,20	23,70/22,50/21,70	28,30/26,90/25,90	31,00/29,50/28,40	35,10/33,40/32,20	39,60/37,60/36,20	42,60/40,50/39,00
Input power cooling		kW	10,20	13,00	14,50	17,50	18,80	21,50	23,70	25,8
Heating capacity		kW	56,00	63,00	69,00	76,50	81,50	87,50	95,00	100,00
COP [1]		W/W	5,23	4,77	4,79	4,47	4,50	4,31	4,19	4,17
Running current heating		A	17,70/16,80/16,20	21,30/20,30/19,50	23,50/22,30/21,50	27,60/26,30/25,30	30,20/28,70/27,70	33,50/31,80/30,70	37,90/36,00/34,70	40,10/38,10/36,70
Input power heating		kW	10,70	13,20	14,40	17,10	18,10	20,30	22,70	24,00
Starting current		A	2,00	2,00	2,00	2,00	3,00	3,00	4,00	4,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80
Air volume		m³/min	430	442	452	464	452	464	464	464
Sound pressure	Normal mode	dB(A)	59,00	61,00	62,00	63,00	63,50	64,50	64,50	65,00
	Silent mode 1 / 2	dB(A)	56,00/54,00	58,00/56,00	59,00/57,00	60,00/58,00	60,50/58,50	61,50/59,50	61,50/59,50	62,00/60,00
Sound power	Normal mode	dB	81,50	84,00	84,50	86,00	84,50	86,00	86,00	86,00
Dimension	H x W x D	mm	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000
Net weight		kg	523	547	548	574	596	620	668	668
Piping connections [2]	Liquid pipe	Inch (mm)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	5/8 (15,88) / 3/4 (19,05)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Discharge pipe	Inch (mm)	7/8 (22,22) / 1 (25,40)	7/8 (22,22) / 1 (25,40)	1 (25,40) / 1-1/8 (28,58)	1 (25,40) / 1-1/8 (28,58)	1 (25,40) / 1-1/8 (28,58)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)
	Suction pipe	Inch (mm)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	13,60/28,3968	15,10/31,5288	15,10/31,5288	16,60/34,6608	15,10/31,5288	16,60/34,6608	16,60/34,6608	16,60/34,6608
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

3-Pipe ECOi EX MF3 Series Combination from 34 to 48HP

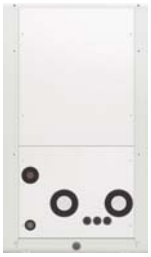
HP			34HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP
Model name			U-8MF3E8 U-10MF3E8 U-16MF3E8	U-8MF3E8 U-12MF3E8 U-16MF3E8	U-10MF3E8 U-12MF3E8 U-16MF3E8	U-8MF3E8 U-16MF3E8 U-16MF3E8	U-10MF3E8 U-16MF3E8 U-16MF3E8	U-12MF3E8 U-16MF3E8 U-16MF3E8	U-14MF3E8 U-16MF3E8 U-16MF3E8	U-16MF3E8 U-16MF3E8 U-16MF3E8
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415	380/400/415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity		kW	96,00	101,00	107,00	113,00	118,00	124,00	130,00	135,00
EER [1]		W/W	4,10	3,90	3,88	3,72	3,72	3,58	3,55	3,49
Running current cooling		A	38,60/36,70/35,40	42,30/40,20/38,70	45,60/43,30/41,70	50,20/47,70/46,00	52,40/49,70/47,90	56,50/53,70/51,80	61,10/58,10/56,00	63,90/60,70/58,50
Input power cooling		kW	23,40	25,90	27,60	30,40	31,70	34,60	36,60	38,70
Heating capacity		kW	108,00	113,00	119,00	127,00	132,00	138,00	145,00	150,00
COP [1]		W/W	4,64	4,48	4,51	4,31	4,36	4,25	4,18	4,17
Running current heating		A	38,90/37,00/35,60	41,60/39,50/38,10	43,60/41,40/39,90	49,30/46,80/45,10	50,60/48,10/46,30	53,70/51,00/49,10	57,90/55,00/53,00	60,10/57,10/55,00
Input power heating		kW	23,30	25,20	26,40	29,50	30,30	32,50	34,70	36,00
Starting current		A	4,00	4,00	4,00	5,00	5,00	5,00	6,00	6,00
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80
Air volume		m³/min	662	674	684	674	684	696	696	696
Sound pressure	Normal mode	dB(A)	64,00	64,50	65,00	65,50	66,00	66,50	66,50	67,00
	Silent mode 1 / 2	dB(A)	61,00/59,00	61,50/59,50	62,00/60,00	62,50/60,50	63,00/61,00	63,50/61,50	63,50/61,50	64,00/62,00
Sound power	Normal mode	dB	84,50	85,50	85,50	85,50	86,00	86,50	87,00	87,00
Dimension	H x W x D	mm	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000
Net weight		kg	857	881	882	929	930	954	1002	1002
Piping connections [2]	Liquid pipe	Inch (mm)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)	3/4 (19,05) / 7/8 (22,22)
	Discharge pipe	Inch (mm)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/8 (28,58) / 1-1/4 (31,75)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/4 (31,75) / 1-1/2 (38,10)
	Suction pipe	Inch (mm)	1-1/4 (31,75) / 1-1/2 (38,10)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)	1-1/2 (38,10) / 1-5/8 (41,28)
	Balance pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Refrigerant (R410A) / CO_2 Eq.		kg / T	21,90/45,72719	23,40/48,85919	23,40/48,85919	23,40/48,85919	23,40/48,85919	24,90/46,3536	24,90/51,9912	24,90/51,9912
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes).

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

THE SOLUTION FOR CHILLED AND HOT WATER PRODUCTION!

A CLASS WATER PUMP INCLUDED



ECOi 2-Pipe with Water Heat Exchanger for chilled and hot water production

Hydrokit with A class water pump			**PAW-250WP5G**	**PAW-500WP5G**
Hydrokit without pump			**PAW-250W5G**	**PAW-500W5G**
Cooling capacity at 35°C, water outlet 7°C		kW	25,00	50,00
Heating capacity		kW	28,00	56,00
Heating capacity at +7°C, heating water temperature at 45°C		kW	28,00	56,00
COP at +7°C with heating water temperature at 45°C		W/W	2,97	3,10
Heating Energy Efficiency class at 35°C [1]			A+	A++
ηsh (LOT21) [2]		**%**	**164,00**	**158,00**
Dimension	H x W x D	mm	1000 x 575 x 1110	1000 x 575 x 1110
Net weight		kg	135 (140 with pump)	155 (165 with pump)
Water pipe connector			Rp2 Female Thread (50A)	Rp2 Female Thread (50A)
Heating water flow (ΔT=5 K. 35°C)		m^3/h	5,16	10,32
Capacity of integrated electric heater		kW	Not equipped	Not equipped
Flow switch			Equipped	Equipped
Water filter			Equipped	Equipped
Input power		kW	0,329 (with A class water pump) / 0,024 (without pump)	0,574 (with A class water pump) / 0,024 (without pump)
Maximum current		A	1,43 (with A class water pump) / 0,10 (without pump)	2,50 (with A class water pump) / 0,10 (without pump)
Outdoor unit			**U-10ME2E8**	**U-20ME2E8**
Sound pressure		dB(A)	56	60
Dimension	H x W x D	mm	1842 x 770 x 1000	1842 x 770 x 1000
Net weight		kg	210	375
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)	5/8 (15,88)
	Gas pipe	Inch (mm)	7/8 (22,22)	1-1/8 (28,58)
Refrigerant (R410A) / CO_2 Eq.		kg	5,6 *Need Additional gas amount at site	9,5 *Need Additional gas amount at site
Pipe length range / Elevation difference (in/out)		m	170 / 50 (OD above) 35 (OD below)	170 / 50 (OD above) 35 (OD below)
Pipe length for nominal capacity		m	7,5	7,5
Pipe length for additional gas / Additional gas amount (R410A)		m / g/m	0 < / Refer to manual	0 < / Refer to manual
Operation range	Heat Min ~ Max	°C	-11 ~ +15 [3]	-11 ~ +15 [3]
Water outlet temperature range	Cool Min ~ Max	°C	+5 ~ +15	+5 ~ +15
	Heat Min ~ Max	°C	+35 ~ +45	+35 ~ +45

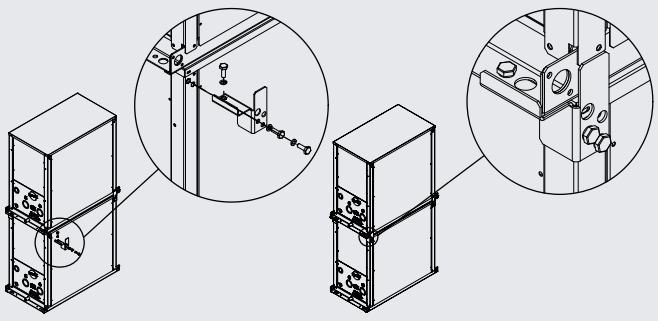
1) Unit efficiency energy level: Scale from A++ to G. 2) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 813/2013. 3) With accessory low temperature kit -25 ~ +15°C.

Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.

Accessories	
PAW-3WSK	Stacking kit for vertical stacking (4 sets in the Kit)

Stacking kit PAW-3WSK.

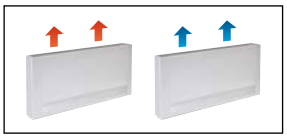
It is possible to stack up to 3 units. When stacking units, always anchor the bottom unit to the ground using the anchor holes.



INVERTER+

5 YEARS COMPRESSOR WARRANTY

AQUAREA AIR



Aquarea Air Radiators. Fan Coils for Heat Pump application

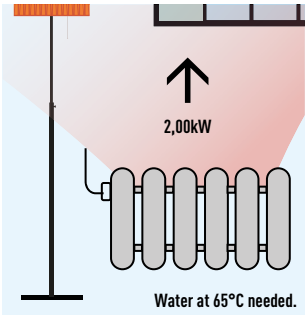
		PAW-AAIR-200-2			PAW-AAIR-700-2			PAW-AAIR-900-2		
Air flow	**Speed**	**Min**	**Med**	**Max**	**Min**	**Med**	**Max**	**Min**	**Med**	**Max**
Heating mode										
Total heating capacity	W	217,00	470,00	570,00	708,00	1032,00	1188,00	886,00	1420,00	1703,00
Water flow	kg/h	37,30	80,80	98,00	121,80	177,50	204,30	152,40	244,20	292,90
Water pressure drop	kPa	0,40	2,00	2,90	0,30	0,80	1,00	0,50	1,60	2,20
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00
Outlet air temperature	°C	38,90	32,00	30,00	33,30	31,80	30,60	30,20	31,10	30,60
Cooling mode										
Total cooling capacity	W	237,00	345,00	555,00	756,00	1039,00	1204,00	1153,00	1518,00	1746,00
Sensible cooling capacity	W	230,00	314,00	504,00	646,00	903,00	1058,00	1061,00	1384,00	1598,00
Water flow	kg/h	40,00	59,00	95,00	129,00	178,00	207,00	198,00	261,00	300,00
Water pressure drop	kPa	0,40	2,00	2,90	1,00	2,00	2,00	6,00	9,00	12,00
Inlet water temperature	°C	10	10	10	10	10	10	10	10	10
Outlet water temperature	°C	15	15	15	15	15	15	15	15	15
Inlet air temperature	°C	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00
Outlet air temperature	°C	15,00	17,00	18,00	14,00	16,00	17,00	16,00	17,00	18,00
Relative humidity of inlet air	%	47	47	47	47	47	47	47	47	47
Air flow	m^3/min	0,90	1,90	2,70	2,60	4,20	5,30	4,10	6,10	7,70
Maximum input power	W	7,00	9,00	13,00	14,00	18,00	22,00	16,00	20,00	24,00
Sound pressure	dB(A)	23	33	40	24	36	42	25	36	44
Dimension (H x W x D)	mm		735 x 579 x 129			935 x 579 x 129			1135 x 579 x 129	
Net weight	kg		17			20			23	
3 ways valve included			Yes			Yes			Yes	
Touch screen thermostat			Yes			Yes			Yes	

Super low temperature radiators for heat pump application

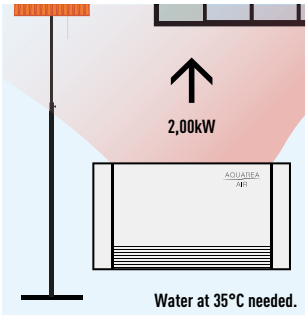
The slimline Panasonic Aquarea Air radiators deliver high efficiency climate control.

With a depth of just under 13cm they are at the cutting edge of the market. Blending easily into the home, Aquarea Air's elegant design and product refinements are clear to see in every detail.
Exceptional ventilation efficiency means the motor uses considerably less energy (low wattage). The fan speed is continuously modulated by the temperature controller with proportional integral logic, with undoubted advantages for regulating the temperature and humidity in summer mode.

With standard cast radiators.



With Aquarea Air.



Technical focus:

- High heating capacity
- 3 fan speeds and capacities
- Exclusive design
- Extremely compact (only 12,9cm deep)
- Cooling and dehumidification functions possible (drain is needed)
- 3-way valve included (no overflow valve needed on the installation if more than 3 radiators installed)
- Touch screen thermostat

All temperature curves and capacity are available on www.panasonicproclub.com

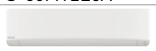
Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

ECOi SYSTEMS INDOOR UNITS RANGE

Page		1,50kW	2,20kW	2,80kW	3,00kW	3,60kW	4,00kW	4,50kW
P. 172	U2 Type 4 Way 90x90 Cassette		 S-22MU2E5A	 S-28MU2E5A		 S-36MU2E5A		 S-45MU2E5A
P. 172	Y2 Type 4 Way 60x60 Cassette	 S-15MY2E5A	 S-22MY2E5A	 S-28MY2E5A		 S-36MY2E5A		 S-45MY2E5A
P. 173	L1 Type 2 Way Cassette		 S-22ML1E5	 S-28ML1E5		 S-36ML1E5		 S-45ML1E5
P. 173	D1 Type 1 Way Cassette			 S-28MD1E5		 S-36MD1E5		 S-45MD1E5
P. 174	F2 Type Variable Static Pressure Hide Away	 S-15MF2E5A	 S-22MF2E5A	 S-28MF2E5A		 S-36MF2E5A		 S-45MF2E5A
P. 174	M1 Type Slim Variable Static Pressure Hide Away	 S-15MM1E5A	 S-22MM1E5A	 S-28MM1E5A		 S-36MM1E5A		 S-45MM1E5A
P. 175	E2 Type High Static Pressure Hide Away							
P. 175	Heat Recovery with DX Coil				 PAW-500ZDX3N		 PAW-800ZDX3N	 PAW-01KZDX3N
P. 176	T2 Type Ceiling					 S-36MT2E5A		 S-45MT2E5A
P. 176	K2 Type Wall Mounted	S-15MK2E5A	S-22MK2E5A	S-28MK2E5A		S-36MK2E5A		S-45MK2E5A
P. 177	**NEW** G1 Type Floor Console		 S-22MG1E5	 S-28MG1E5		 S-36MG1E5		 S-45MG1E5
P. 177	P1 Type Floor Standing		 S-22MP1E5	 S-28MP1E5		 S-36MP1E5		 S-45MP1E5
P. 177	R1 Type Concealed Floor Standing		 S-22MR1E5	 S-28MR1E5		 S-36MR1E5		 S-45MR1E5
P. 178	Hydrokit for ECOi, water at 45°C							

Page		16,00kW	28,00kW	56,00kW	84,00kW	112,00kW	140,00kW	168,00kW
P. 178	AHU Connection Kit 16, 28 and 56kW	 PAW-160MAH2/M/L	 PAW-280MAH2/M/L	 PAW-560MAH2/M/L	 PAW-280MAH2/M/L + PAW-560MAH2/M/L	 PAW-560MAH2/M/L x 2	 PAW-280MAH2/M/L + PAW-560MAH2/M/L x 2	 PAW-560MAH2/M/L x 3

Page		250m³/h	350m³/h	500m³/h	800m³/h	1000m³/h
P. 179	Energy Recovery Ventilation	 FY-250ZDY8R	 FY-350ZDY8R	 FY-500ZDY8R	 FY-800ZDY8R	 FY-01KZDY8R

5,60kW	6,00kW	7,30kW	9,00kW	10,60kW	14,00kW	16,00kW	22,40kW	28,00kW
 S-56MU2E5A	 S-60MU2E5A	 S-73MU2E5A	 S-90MU2E5A	 S-106MU2E5A	 S-140MU2E5A	 S-160MU2E5A		
 S-56MY2E5A								
 S- 56ML1E5		 S-73ML1E5						
 S-56MD1E5		 S-73MD1E5						
 S-56MF2E5A	 S-60MF2E5A	 S-73MF2E5A	 S-90MF2E5A	 S-106MF2E5A	 S-140MF2E5A	 S-160MF2E5A		
 S-56MM1E5A								
							 S-224ME2E5	 S-280ME2E5
 S-56MT2E5A		 S-73MT2E5A		 S-106MT2E5A	 S-140MT2E5A			
 S-56MK2E5A		 S-73MK2E5A		 S-106MK2E5A				
 S-56MG1E5								
 S-56MP1E5		 S-71MP1E5						
 S-56MR1E5		 S-71MR1E5						
			 S-80MW1E5		 S-125MW1E5			

Page		7,90kW	12,00kW	15,00kW	19,00kW	23,60kW	27,60kW
P. 179	**NEW** Air Curtain LS type with DX Coil	 PAW-10EAIRC-LS	 PAW-15EAIRC-LS	 PAW-20EAIRC-LS	 PAW-25EAIRC-LS		
P. 179	**NEW** Air Curtain HS type with DX Coil		 PAW-10EAIRC-HS	 PAW-15EAIRC-HS		 PAW-20EAIRC-HS	 PAW-25EAIRC-HS

ECONAVI, nanoe™ X and INTERNET CONTROL: Optional.

28% ECONAVI | nanoeX | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL MILD DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

U2 Type 4 Way 90x90 Cassette

Tentative data

Model			S-22MU2E5A	S-28MU2E5A	S-36MU2E5A	S-45MU2E5A	S-56MU2E5A	S-60MU2E5A	S-73MU2E5A	S-90MU2E5A	S-106MU2E5A	S-140MU2E5A	S-160MU2E5A
Cooling capacity		kW	2,20	2,80	3,60	4,50	5,60	6,00	7,30	9,00	10,60	14,00	16,00
Input power cooling		W	20,00	20,00	20,00	20,00	25,00	35,00	40,00	40,00	95,00	100,00	115,00
Current (cool)		A	0,19	0,19	0,19	0,19	0,22	0,31	0,33	0,36	0,71	0,76	0,89
Heating capacity		kW	2,50	3,20	4,20	5,00	6,30	7,10	8,00	10,00	11,40	16,00	18,00
Input power heating		W	20,00	20,00	20,00	20,00	25,00	35,00	40,00	40,00	85,00	100,00	105,00
Current (heat)		A	0,17	0,17	0,17	0,17	0,20	0,30	0,32	0,34	0,65	0,73	0,80
Fan type			Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan
Air volume	Hi / Med / Lo	m³/min	14,50 / 13,00 / 11,50	14,50 / 13,00 / 11,50	14,50 / 13,00 / 11,50	15,50 / 13,00 / 11,50	17,00 / 13,50 / 11,50	21,00 / 16,00 / 13,00	22,50 / 16,00 / 13,00	23,00 / 18,50 / 14,00	35,00 / 26,00 / 20,00	36,00 / 27,00 / 21,50	37,00 / 29,00 / 25,00
Sound pressure	Hi / Med / Lo	dB(A)	30 / 29 / 28	30 / 29 / 28	30 / 29 / 28	31 / 29 / 28	33 / 30 / 28	36 / 32 / 29	37 / 32 / 29	38 / 35 / 32	44 / 38 / 34	45 / 39 / 35	46 / 40 / 38
Sound power	Hi / Med / Lo	dB	45 / 44 / 43	45 / 44 / 43	45 / 44 / 43	46 / 44 / 43	48 / 45 / 43	51 / 47 / 44	52 / 47 / 44	53 / 50 / 47	59 / 53 / 49	60 / 54 / 50	61 / 55 / 53
Dimension (H x W x D)	Indoor	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel	mm	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950	33,5 x 950 x 950
Net weight (Panel)		kg	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	21 (5)	25 (5)	25 (5)	25 (5)
Piping connections	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

Y2 Type 4 Way 60x60 Cassette

Model			S-15MY2E5A	S-22MY2E5A	S-28MY2E5A	S-36MY2E5A	S-45MY2E5A	S-56MY2E5A
Cooling capacity		kW	1,50	2,20	2,80	3,60	4,50	5,60
Input power cooling		W	35,00	35,00	35,00	40,00	40,00	45,00
Operating current cooling		A	0,30	0,30	0,30	0,30	0,32	0,35
Heating capacity		kW	1,70	2,50	3,20	4,20	5,00	6,30
Input power heating		W	30,00	30,00	30,00	35,00	35,00	40,00
Operating current heating		A	0,25	0,25	0,30	0,30	0,30	0,30
Fan type			Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan
Air volume (Hi / Med / Lo)	Cool	m³/min	8,90 / 8,20 / 5,60	9,10 / 8,20 / 5,60	9,30 / 8,40 / 5,60	9,70 / 8,70 / 6,00	10,00 / 9,30 / 8,20	10,40 / 9,80 / 8,50
	Heat	m³/min	9,10 / 8,40 / 5,60	9,30 / 8,40 / 5,60	9,60 / 8,70 / 5,60	9,90 / 9,10 / 6,00	10,30 / 9,60 / 8,20	11,10 / 9,80 / 8,70
Sound pressure	Hi / Med / Lo	dB(A)	34 / 31 / 25	35 / 31 / 25	35 / 31 / 25	36 / 32 / 26	38 / 34 / 28	40 / 37 / 34
Sound power	Hi / Med / Lo	dB	49 / 46 / 40	50 / 46 / 40	50 / 46 / 40	51 / 47 / 41	53 / 49 / 43	55 / 52 / 49
Dimension (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel 3A	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel 3B	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Net weight		kg	20,4 (18 + 2,4)	20,4 (18 + 2,4)	20,4 (18 + 2,4)	20,4 (18 + 2,4)	20,4 (18 + 2,4)	20,4 (18 + 2,4)
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)

INTERNET CONTROL: Optional.

SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

L1 Type 2 Way Cassette

Model			S-22ML1E5	S-28ML1E5	S-36ML1E5	S-45ML1E5	S-56ML1E5	S-73ML1E5
Cooling capacity		kW	2,20	2,80	3,60	4,50	5,60	7,30
Input power cooling		W	90,00	92,00	93,00	97,00	97,00	145,00
Operating current cooling		A	0,45	0,45	0,45	0,45	0,45	0,65
Heating capacity		kW	2,50	3,20	4,20	5,00	6,30	8,00
Input power heating		W	58,00	60,00	61,00	65,00	65,00	109,00
Operating current heating		A	0,29	0,29	0,29	0,29	0,29	0,48
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	8,00/7,00/6,00	9,00/8,00/7,00	9,70/8,70/7,70	11,00/9,00/8,00	11,00/9,00/8,00	19,00/16,00/14,00
Sound pressure	Hi / Med / Lo	dB(A)	30/27/24	33/29/26	34/31/28	35/33/29	35/33/29	38/35/33
Dimension (H x W x D)	Indoor	mm	350 x 840 x 600	350 x 840 x 600	350 x 840 x 600	350 x 840 x 600	350 x 840 x 600	350 x 1140 x 600
	Panel	mm	8 x 1060 x 680	8 x 1060 x 680	8 x 1060 x 680	8 x 1060 x 680	8 x 1060 x 680	8 x 1360 x 680
Net weight (Panel)		kg	23 (5,5)	23 (5,5)	23 (5,5)	23 (5,5)	23 (5,5)	30 (9)
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)

* For S-73ML1E5.

INTERNET CONTROL: Optional.

SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

D1 Type 1 Way Cassette

Model			S-28MD1E5	S-36MD1E5	S-45MD1E5	S-56MD1E5	S-73MD1E5
Cooling capacity		kW	2,80	3,60	4,50	5,60	7,30
Input power cooling		W	51,00	51,00	51,00	60,00	87,00
Operating current cooling		A	0,39	0,39	0,39	0,46	0,70
Heating capacity		kW	3,20	4,20	5,00	6,30	8,00
Input power heating		W	40,00	40,00	40,00	48,00	76,00
Operating current heating		A	0,35	0,35	0,35	0,41	0,65
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	12,00/10,00/9,00	12,00/10,00/9,00	12,00/11,00/10,00	13,00/11,50/10,00	18,00/15,00/13,00
Sound pressure	Hi / Med / Lo	dB(A)	36/34/33	36/34/33	36/35/34	38/36/34	45/40/36
Dimension (H x W x D)	Indoor	mm	200 x 1000 x 710	200 x 1000 x 710	200 x 1000 x 710	200 x 1000 x 710	200 x 1000 x 710
	Panel	mm	20 x 1230 x 800	20 x 1230 x 800	20 x 1230 x 800	20 x 1230 x 800	20 x 1230 x 800
Net weight (Panel)		kg	21 (5,5)	21 (5,5)	21 (5,5)	21 (5,5)	22 (5,5)
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | FILTER INCLUDED | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

F2 Type Variable Static Pressure Hide Away

Model			S-15MF2E5A	S-22MF2E5A	S-28MF2E5A	S-36MF2E5A	S-45MF2E5A	S-56MF2E5A	S-60MF2E5A	S-73MF2E5A	S-90MF2E5A	S-106MF2E5A	S-140MF2E5A	S-160MF2E5A
Cooling capacity		kW	1,50	2,20	2,80	3,60	4,50	5,60	6,00	7,30	9,00	10,60	14,00	16,00
Input power cooling		W	70,00	70,00	70,00	70,00	70,00	100,00	120,00	120,00	135,00	195,00	215,00	225,00
Current (cool)		A	0,57	0,57	0,57	0,57	0,57	0,74	0,89	0,89	0,97	1,30	1,44	1,50
Heating capacity		kW	1,70	2,50	3,20	4,20	5,00	6,30	7,10	8,00	10,00	11,40	16,00	18,00
Input power heating		W	70,00	70,00	70,00	70,00	70,00	100,00	120,00	120,00	135,00	200,00	210,00	225,00
Current (heat)		A	0,57	0,57	0,57	0,57	0,57	0,74	0,89	0,89	0,97	1,34	1,42	1,50
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume [1]	Hi / Med / Lo	m³/min	14,00 / 13,00 / 9,00	14,00 / 13,00 / 9,00	14,00 / 13,00 / 9,00	14,00 / 13,00 / 9,00	14,00 / 13,00 / 10,00	16,00 / 15,00 / 12,00	21,00 / 19,00 / 15,00	21,00 / 19,00 / 15,00	25,00 / 23,00 / 19,00	32,00 / 26,00 / 21,00	34,00 / 29,00 / 23,00	36,00 / 32,00 / 25,00
External static pressure		Pa	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)
Sound pressure	Hi / Med / Lo	dB(A)	33 / 29 / 22	33 / 29 / 22	33 / 29 / 22	33 / 29 / 22	34 / 32 / 25	34 / 32 / 25	35 / 32 / 26	35 / 32 / 26	37 / 34 / 28	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Sound power	Hi / Med / Lo	dB	55 / 51 / 44	55 / 51 / 44	55 / 51 / 44	55 / 51 / 44	56 / 54 / 47	56 / 54 / 47	57 / 54 / 48	57 / 54 / 48	59 / 56 / 50	60 / 56 / 53	61 / 57 / 54	62 / 58 / 55
Dimension	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 800 x 700	290 x 800 x 700	290 x 800 x 700	290 x 800 x 700	290 x 1000 x 700	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	29	29	29	29	29	29	34	34	34	46	46	46
Piping connections	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)

1) Value referred to standard settings at shipment (H curve 8, M curve 5, L curve 1).

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | FILTER INCLUDED | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

M1 Type Slim Variable Static Pressure Hide Away Concealed Duct

Model			S-15MM1E5A	S-22MM1E5A	S-28MM1E5A	S-36MM1E5A	S-45MM1E5A	S-56MM1E5A
Cooling capacity		kW	1,50	2,20	2,80	3,60	4,50	5,60
Input power cooling		W	36,00	36,00	40,00	42,00	49,00	64,00
Operating current cooling		A	0,26	0,26	0,30	0,31	0,37	0,48
Heating capacity		kW	1,70	2,50	3,20	4,20	5,00	6,30
Input power heating		W	26,00	26,00	30,00	32,00	39,00	54,00
Operating current heating		A	0,23	0,23	0,27	0,28	0,34	0,45
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	8,00 / 7,00 / 6,00	8,00 / 7,00 / 6,00	8,50 / 7,50 / 6,50	9,00 / 8,00 / 7,00	10,50 / 9,50 / 8,00	12,50 / 11,50 / 10,00
External static pressure		Pa	10 (30)	10 (30)	15 (30)	15 (40)	15 (40)	15 (40)
Sound pressure	Hi / Med / Lo [1]	dB(A)	28 / 27 / 25 (30 / 29 / 27)	28 / 27 / 25 (30 / 29 / 27)	30 / 29 / 27 (32 / 31 / 29)	32 / 30 / 28 (34 / 32 / 30)	34 / 32 / 30 (36 / 34 / 32)	35 / 33 / 31 (37 / 35 / 32)
Sound power	Hi / Med / Lo	dB	43 / 42 / 40	43 / 42 / 40	45 / 44 / 42	47 / 45 / 43	49 / 47 / 45	50 / 48 / 46
Dimension	H x W x D	mm	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight		kg	19	19	19	19	19	19
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)

1) By DIP switches or by RC setting.

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

E2 Type High Static Pressure Hide Away

Model			100% Fresh air duct function (by using Kit for 100% Fresh air)				High pressure duct			
			S-224ME2E5		S-280ME2E5		S-224ME2E5		S-280ME2E5	
			Cooling	Heating	Cooling	Heating	Cooling	Heating	Cooling	Heating
Capacity		kW	22,40	21,20	28,00	26,50	22,40	25,00	28,00	31,50
Input power		W	290,00	290,00	350,00	350,00	440,00	440,00	715,00	715,00
Operating current		A	1,85	1,85	2,20	2,20	2,45	2,45	3,95	3,95
Air volume	Hi / Med / Lo	m³/min	28,30 / — / —		35,00 / — / —		56,00 / 51,00 / 44,00		72,00 / 63,00 / 53,00	
External static pressure		Pa	200		200		140 (60 - 270) [1]		140 (72 - 270) [1]	
Sound pressure [2]	Hi / Med / Lo	dB(A)	43 / — / —		44 / — / —		45 / 43 / 41		49 / 47 / 43	
Sound power	Hi / Med / Lo	dB	75 / — / —		76 / — / —		77 / 75 / 73		81 / 79 / 75	
Dimension	H x W x D	mm	479 x 1453 x 1205		479 x 1453 x 1205		479 x 1453 x 1205		479 x 1453 x 1205	
Net weight		kg	102		106		102		106	
Piping connections	Liquid pipe	Inch (mm)	3/8 (9,52)		3/8 (9,52)		3/8 (9,52)		3/8 (9,52)	
	Gas pipe	Inch (mm)	3/4 (19,05)		7/8 (22,22)		3/4 (19,05)		7/8 (22,22)	

KIT for 100% Fresh air function for 2 Way systems	
2x CZ-P160RVK2	Rap valve kit
2x CZ-CAPE2	3 way control PCB
CZ-P680BK2	Distribution Joint kit
	1x Remote controller

KIT for 100% Fresh air function for 3 Way systems	
2x CZ-P160HR3	3 way valve Kit
2x CZ-CAPE2	3 way control PCB
CZ-P680BH2	Distribution Joint kit
	1x Remote controller

Rating Conditions for 100% Fresh air duct function: Cooling Outdoor 33°C DB / 28°C WB. Heating Outdoor 0°C DB / -2,9°C WB. 1) Available to select the setting by initial setup. 2) Values with 140Pa setting. * No filter included.

INTERNET CONTROL: Optional.

SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | BUILT-IN DRAIN PUMP | OPTIONAL WLAN | BMS CONNECTIVITY

Heat Recovery with DX Coil

Model			PAW-500ZDX3N		PAW-800ZDX3N		PAW-01KZDX3N	
Power source	Voltage	V	230		230		230	
	Phase		Single Phase		Single Phase		Single Phase	
	Frequency	Hz	50		50		50	
Air volume		m³/min	8,33		13,33		16,66	
External static pressure [1]		Pa	90		120		115	
Maximum current	Total full load	A	0,6		1,4		2,1	
Input power		W	150		320		390	
Sound pressure [2]		dB(A)	39		42		43	
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)		1/4 (6,35)		1/4 (6,35)	
	Gas pipe	Inch (mm)	1/2 (12,70)		1/2 (12,70)		1/2 (12,70)	
Heat recovery			**Cooling**	**Heating**	**Cooling**	**Heating**	**Cooling**	**Heating**
Temperature efficiency		%	76	76	76	76	76	76
Enthalpy efficiency		%	63	67	63	65	60	62
Saved power summer mode or winter mode*		kW	1,70	4,30 (4,80)	2,50	6,50 (7,30)	3,20	8,20 (9,00)
DX Coil								
Total / Sensible capacity		kW	3,00 / 2,10	2,50 / 2,70	5,10 / 3,50	4,40 / 4,80	5,80 / 4,10	5,20 / 6,70
OFF temperature		°C	15,9	28,0 (27,3)	15,5	29,6 (29,0)	16,2	28,5 (27,8)
OFF relative humidity		%	90	16 (15)	90	14 (13)	89	15 (14)

Nominal summer conditions: Outside air: 32°C DB, RH 50%. Ambient air: 26°C DB, RH 50%. Nominal winter conditions: Outside air: -5°C DB, RH 80%. Ambient air: 20°C DB, RH 50%. Cooling mode air inlet condition: 28,5°C DB, RH 50%; evaporating temperature 7°C. Heating mode air inlet condition: 13°C DB, RH 40% (11°C DB, RH 45%); condensating temperature 40°C. DB: Dry Bulb; RH: Relative Humidity.
1) Referred to the nominal air flow after filter and plate heat exchanger. 2) Sound pressure level calculated at 1m far from: ducted supply exhaust air ducted return - first air intake / service side, at normal condition. * Tentative data.

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | OPTIONAL WLAN | BMS CONNECTIVITY

T2 Type Ceiling

Model			S-36MT2E5A	S-45MT2E5A	S-56MT2E5A	S-73MT2E5A	S-106MT2E5A	S-140MT2E5A
Cooling capacity		kW	3,60	4,50	5,60	7,30	10,60	14,00
Input power cooling		W	35,00	40,00	40,00	55,00	80,00	100,00
Operating current cooling		A	0,36	0,38	0,38	0,44	0,67	0,79
Heating capacity		kW	4,20	5,00	6,30	8,00	11,40	16,00
Input power heating		W	35,00	40,00	40,00	55,00	80,00	100,00
Operating current heating		A	0,36	0,38	0,38	0,44	0,67	0,79
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	14,00/12,00/10,50	15,00/12,50/10,50	15,00/12,50/10,50	21,00/18,00/15,50	30,00/25,00/23,00	32,00/28,00/24,00
Sound pressure	Hi / Med / Lo	dB(A)	36/32/30	37/33/30	37/33/30	39/35/33	42/37/36	46/40/37
Sound power	Hi / Med / Lo	dB	54/50/48	55/51/48	55/51/48	57/53/51	60/55/54	62/58/55
Dimension	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	27	27	27	33	40	40
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)

* Tentative data.

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTO-FLAP CONTROL | AUTOMATIC RESTART | AIR SWEEP | OPTIONAL WLAN | BMS CONNECTIVITY

K2 Type Wall Mounted

Model			S-15MK2E5A	S-22MK2E5A	S-28MK2E5A	S-36MK2E5A	S-45MK2E5A	S-56MK2E5A	S-73MK2E5A	S-106MK2E5A
Cooling capacity		kW	1,50	2,20	2,80	3,60	4,50	5,60	7,30	10,60
Input power cooling		W	25,00	25,00	25,00	30,00	30,00	35,00	55,00	80,00
Operating current cooling		A	0,20	0,21	0,23	0,25	0,32	0,35	0,51	0,70
Heating capacity		kW	1,70	2,50	3,20	4,20	5,00	6,30	8,00	11,40
Input power heating		W	25,00	25,00	25,00	30,00	30,00	35,00	55,00	80,00
Operating current heating		A	0,20	0,21	0,23	0,25	0,32	0,35	0,51	0,70
Fan type			Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Air volume Hi / Med / Lo	Cool	m³/min	7,90/7,40/6,50	9,00/7,50/6,50	9,50/8,30/6,50	10,90/9,00/6,50	14,50/12,50/10,00	16,00/14,00/12,00	19,50/17,00/14,00	21,50/18,50/15,00
	Heat	m³/min	9,00/7,70/6,80	9,20/8,30/6,80	9,70/8,50/6,80	11,20/9,50/6,80	14,50/12,50/10,00	16,00/14,00/12,00	19,50/17,00/14,00	21,50/18,50/15,00
Sound pressure	Hi / Med / Lo	dB(A)	34/32/29	36/33/29	37/34/29	40/36/29	38/35/33	40/37/35	47/44/40	49/46/42
Sound power	Hi / Med / Lo	dB	49/47/44	51/48/44	52/49/44	55/51/44	53/50/48	55/52/50	62/59/55	64/61/57
Dimension	H x W x D	mm	290 x 870 x 214	290 x 870 x 214	290 x 870 x 214	290 x 870 x 214	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	9	9	9	13	13	14	14
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)

NEW 2019

ECONAVI and INTERNET CONTROL: Optional.

28% ECONAVI | SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | OPTIONAL WLAN | BMS CONNECTIVITY

NEW G1 Type Floor Console

Model			S-22MG1E5A	S-28MG1E5A	S-36MG1E5A	S-45MG1E5A	S-56MG1E5A
Cooling capacity		kW	2,20	2,80	3,60	4,50	5,60
Input power cooling		W	18,00	18,00	20,00	26,00	29,00
Operating current cooling		A	0,18	0,18	0,21	0,23	0,25
Heating capacity		kW	2,50	3,20	4,20	5,00	6,30
Input power heating		W	19,00	19,00	21,00	27,00	30,00
Operating current heating		A	0,18	0,18	0,22	0,24	0,26
Fan type			Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Air volume	Cool (Hi / Med / Lo)	m³/min	9,20/7,50/6,00	9,20/7,50/6,00	9,70/8,20/6,00	10,50/9,00/6,50	12,00/9,50/6,50
	Heat (Hi / Med / Lo)	m³/min	9,70/8,00/6,50	9,70/8,00/6,50	10,20/8,70/6,50	11,00/9,50/7,00	12,50/10,00/7,00
Sound pressure	Hi / Med / Lo	dB(A)	38/34/29	38/34/29	39/35/29	42/37/30	44/38/30
Dimension	H x W x D	mm	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
Net weight		kg	14	14	14	14	14
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)

INTERNET CONTROL: Optional.

SELF-DIAGNOSING | AUTOMATIC FAN | HUMIDITY CONTROL DRY | AUTOMATIC RESTART | OPTIONAL WLAN | BMS CONNECTIVITY

P1 Type Floor Standing / R1 Type Concealed Floor Standing

Model P1 Type			S-22MP1E5	S-28MP1E5	S-36MP1E5	S-45MP1E5	S-56MP1E5	S-71MP1E5
Model R1 Type			S-22MR1E5	S-28MR1E5	S-36MR1E5	S-45MR1E5	S-56MR1E5	S-71MR1E5
Cooling capacity		kW	2,20	2,80	3,60	4,50	5,60	7,10
Input power cooling		W	56,00	56,00	85,00	126,00	126,00	160,00
Operating current cooling		A	0,25	0,25	0,38	0,56	0,56	0,72
Heating capacity		kW	2,50	3,20	4,20	5,00	6,30	8,00
Input power heating		W	40,00	40,00	70,00	91,00	91,00	120,00
Operating current heating		A	0,18	0,18	0,31	0,41	0,41	0,54
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	7,00/6,00/5,00	7,00/6,00/5,00	9,00/7,00/6,00	12,00/9,00/8,00	15,00/13,00/11,00	17,00/14,00/12,00
External static pressure		Pa	15	15	15	15	15	15
Sound pressure	Hi / Med / Lo	dB(A)	33/30/28	33/30/28	39/35/29	38/35/31	39/36/31	41/38/35
Dimensions P1	H x W x D	mm	615 x 1065 x 230	615 x 1065 x 230	615 x 1065 x 230	615 x 1380 x 230	615 x 1380 x 230	615 x 1380 x 230
Net weight P1		kg	29	29	29	39	39	39
Dimensions R1	H x W x D	mm	616 x 904 x 229	616 x 904 x 229	616 x 904 x 229	616 x 1219 x 229	616 x 1219 x 229	616 x 1219 x 229
Net weight R1		kg	21	21	21	28	28	28
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Hydrokit for ECOi, water at 45°C

Model				S-80MW1E5	S-125MW1E5
Power source				230V / Single Phase / 50 Hz	230V / Single Phase / 50 Hz
Cooling capacity			kW	8,00	12,50
Heating capacity			kW	9,00	14,00
Maximum temperature			°C	~45/~65 [1]	~45/~65 [1]
Dimension	H x W x D		mm	892 x 502 x 353	892 x 502 x 353
Water pipe connector			Inch	R 1 ¼	R 1 ¼
Water pump (built-in)				DC motor (A class)	DC motor (A class)
Water flow rate	Cool		L/min	22,90	35,80
	Heat		L/min	25,80	40,10
Piping connections	Liquid pipe		Inch (mm)	3/8 (9,52)	3/8 (9,52)
	Gas pipe		Inch (mm)	5/8 (15,88)	5/8 (15,88)
	Drain piping			15 ~ 17mm (inner size)	15 ~ 17mm (inner size)
Operation range	Cool	Ambient	°C	+10 ~ +43	+10 ~ +43
		Water	°C	+5 ~ +20	+5 ~ +20
	Heat	Ambient	°C	-20 ~ +32	-20 ~ +32
		Water	°C	+25 ~ +45	+25 ~ +45
Connectable system				3-Pipe (heat recovery type) VRF System (system capable up to 48HP)	
Maximum Indoor ratio (connectable hydrokit module capacity ratio)				Total indoor unit + Hydrokit capacity: up to 130% (** ~ **% vs total outdoor unit capacity)	

1) Max 45°C by refrigerant circuit (heat pump cycle), over 45°C is provided by electric heater operation.

PANASONIC VENTILATION SOLUTIONS

AHU Connection Kit 16, 28 and 56kW for ECOi

PAW-160MAH2	AHU Kit for 16kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)
PAW-280MAH2	AHU Kit for 28kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)
PAW-560MAH2	AHU Kit for 56kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)
PAW-160MAH2M	AHU Kit for 16kW (IP 65, 0-10V demand control*)
PAW-280MAH2M	AHU Kit for 28kW (IP 65, 0-10V demand control*)
PAW-560MAH2M	AHU Kit for 56kW (IP 65, 0-10V demand control*)
PAW-160MAH2L	AHU Kit for 16kW (IP 65)
PAW-280MAH2L	AHU Kit for 28kW (IP 65)
PAW-560MAH2L	AHU Kit for 56kW (IP 65)

* With CZ-CAPBC2.

NEW 2019

NEW Air Curtain with DX Coil

Outdoor unit			4HP	4HP	5HP	8HP
Air outlet height 2,7m			**PAW-10EAIRC-LS**	**PAW-15EAIRC-LS**	**PAW-20EAIRC-LS**	**PAW-25EAIRC-LS**
Air volume	High / Low	m³/h	1800/1000	2700/1400	3600/1900	4500/2400
Cooling capacity [1]	Max	kW	6,10	9,70	13,00	17,00
Heating capacity [2]	Max	kW	7,90	12,00	15,00	19,00
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,03
Piping connections	Liquid pipe / Gas pipe	mm	16,6/15,0	16,6/22,0	16,6/22,0	16,6/22,0
Electric consumption fan	230V / 50Hz	kW	0,30	0,50	0,60	0,80
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	2,10	3,10	4,10	5,10
Sound Pressure [3]		dB(A)	49/65	48/66	50/67	51/69
Dimension / Weight	H x W x D	mm / kg	1000 x 260 x 460/50	1500 x 260 x 460/65	2000 x 260 x 460/80	2500 x 260 x 460/95
Door width		m	1,0	1,5	2,0	2,5
Refrigerant			R410A	R410A	R410A	R410A

Outdoor unit			4HP	6HP	8HP	10HP
Air outlet height 3,0m			**PAW-10EAIRC-HS**	**PAW-15EAIRC-HS**	**PAW-20EAIRC-HS**	**PAW-25EAIRC-HS**
Air volume	High / Low	m³/h	2700/1450	3600/1900	5400/2900	6300/3400
Cooling capacity [1]	Max	kW	9,10	13,00	19,50	23,70
Heating capacity [2]	Max	kW	11,80	15,80	23,60	27,60
Heat Exchanger	Volume	L	1,67	2,85	3,94	5,12
Piping connections	Liquid pipe / Gas pipe	mm	16,6/15,0	16,6/22,0	16,6/22,0	16,6/22,0
Electric consumption fan	230V / 50Hz	kW	0,75	1,00	1,50	1,75
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	4,10	5,50	8,20	9,60
Sound Pressure [3]		dB(A)	50/66	49/67	51/68	52/68
Dimension / Weight	H x W x D	mm / kg	1000 x 260 x 460/55	1500 x 260 x 460/65	2000 x 260 x 460/85	2500 x 260 x 460/110
Door width		m	1,0	1,5	2,0	2,5
Refrigerant			R410A	R410A	R410A	R410A

Accessories	
PAW-AIR1-DP	Optional drain pump

1) Cooling capacity DX Coil, air temperature in/out +27/+18°C, R32 and R410. 2) Heating capacity condenser, air temperature in/out +20/+33°C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary.
3) Measured in distance up to 5,0m, direction factor 2, absorbing surfaces 200m², Min / Max air volume.

Energy Recovery Ventilation System

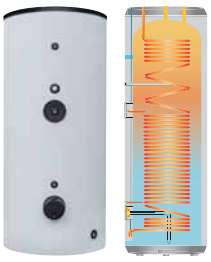
Rated flow rate		**250m³/h**			**350m³/h**			**500m³/h**			**800m³/h**			**1000m³/h**		
Models		**FY-250ZDY8R**			**FY-350ZDY8R**			**FY-500ZDY8R**			**FY-800ZDY8R**			**FY-01KZDY8R**		
Power source		220V / 240V / 50Hz			220V / 240V / 50Hz			220V / 240V / 50Hz			220V / 240V / 50Hz			220V / 240V / 50Hz		
Heat exchange ventilation		**E-High**	**High**	**Low**	**E-High**	**High**	**Low**	**E-High**	**High**	**Low**	**E-High**	**High**	**Low**	**E-High**	**High**	**Low**
Input power	W	112,00/ 128,00	108,00/ 123,00	87,00/ 96,00	182,00/ 190,00	178,00/ 185,00	175,00/ 168,00	263,00/ 289,00	204,00/ 225,00	165,00/ 185,00	387,00/ 418,00	360,00/ 378,00	293,00/ 295,00	437,00/ 464,00	416,00/ 432,00	301,00/ 311,00
Air volume	m³/h	250	250	190	350	350	240	500	500	440	800	800	630	1000	1000	700
External static pressure	Pa	105	95	45	140	60	45	120	60	35	140	110	55	105	80	75
Sound power	dB	30,00/ 31,50	29,50/ 30,50	23,50/ 26,50	32,50/ 33,00	30,50/ 31,00	22,50/ 25,50	36,50/ 37,50	34,50/ 35,50	31,00/ 32,50	37,00/ 37,50	36,50/ 37,00	33,50/ 34,50	37,50/ 38,50	37,00/ 37,50	33,50/ 34,50
Temperature exchange efficiency	%	75	75	77	75	75	78	75	75	76	75	75	76	75	75	79
Normal ventilation		**E-High**	**High**	**Low**	**E-High**	**High**	**Low**	**E-High**	**High**	**Low**	**E-High**	**High**	**Low**	**E-High**	**High**	**Low**
Input power	W	112,00/ 128,00	108,00/ 123,00	87,00/ 96,00	182,00/ 190,00	178,00/ 185,00	175,00/ 168,00	263,00/ 289,00	204,00/ 225,00	165,00/ 185,00	387,00/ 418,00	360,00/ 378,00	293,00/ 295,00	437,00/ 464,00	416,00/ 432,00	301,00/ 311,00
Air volume	m³/h	250	250	190	350	350	240	500	500	440	800	800	630	1000	1000	700
External static pressure	Pa	105	95	45	140	60	45	120	60	35	140	110	55	105	80	75
Sound power	dB	30,00/ 31,50	29,50/ 30,50	23,50/ 26,50	32,50/ 33,00	30,50/ 31,00	22,50/ 25,50	37,50/ 38,50	37,00/ 38,00	31,00/ 32,50	37,00/ 37,50	36,50/ 37,00	33,50/ 34,50	39,50/ 40,50	39,00/ 39,50	35,50/ 36,50
Temperature exchange efficiency	%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dimension H x W x D	mm	270 x 882 x 599			317 x 1050 x 804			317 x 1090 x 904			388 x 1322 x 884			388 x 1322 x 1134		
Net weight	kg	29			49			57			71			83		

This noise of the product is the value which was measured at the acoustic room. Actually, in the established condition, that undergo influence by the echoing of the room and so that become bigger than the display numerical value. The input, the current and the exchange efficiency are values at the time of the mentioned air volume. The noise level shall be measured 1,5m below the centre of the unit. The temperature exchange efficiency averages that of when cooling and when heating.

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

NEW PRO-HT TANK SERIES FOR ECOi

NEW 2019



PRO-HT *TANK*

NEW PRO-HT Tank DHW

PRO-HT Tank			PAW-VP750LDHW	PAW-VP1000LDHW
Outdoor Unit			**U-16MF3E8**	**U-16MF3E8**
Volume		L	726	933
Height	H x W	mm	1855 x 990	2210 x 990
Connections to the water supply network			1 1/4"	1 1/4"
Net weight / with water		kg	179 / 929	191 / 1121
Nominal electrical power		kW	5,12	6,14
Reference tapping cycle			2XL	2XL
Energy consumption by chosen cycle A7 / W10-55		kWh	4,14	5,10
Energy consumption by chosen cycle A15 / W10-55		kWh	3,50	4,61
COP DHW (A7 / W10-55) EN 16147 [1]			5,92	4,81
COP DHW (A15 / W10-55) EN 16147 [2]			7,01	5,32
Energy Efficiency Class (from A+ to G) [3]			**A++**	**A++**
System label (from A+++ to G) [3]			—	—
Standby Input power according to EN16147		W/h	77	80
Sound Pressure on 1m		dB(A)	57	57
Quantity of refrigerant		Kg	8,3	8,3
Operating range - outdoor temperature		°C	-20 ~ +35	-20 ~ +35
Average insulation thickness		mm	100	100
Heat exchanger connection for inlet / outlet		Inch (mm)	1/2 (12,70) / 3/4 (19,05)	1/2 (12,70) / 3/4 (19,05)
Maximum power consumption without heater		kW	20,4	20,4
Maximum power consumption with heater		W	26,4	26,4
Number of electrical heaters x power		W	1 x 6000	1 x 6000
Voltage / Frequency		V / Hz	400 / 50	400 / 50
Electric protection		A	16	16
Moisture protection			IP 24	IP 24
Maximum water temperature (heat pump)		°C	65	65
Maximum water temperature (electrical heater)		°C	85	85
Refrigerant (R410A) / CO_2 Eq.		kg / T	8,3 /17,1	8,3 /17,1

Accessories	
PAW-VP-RTC5B-VRF	Tank Controller for ECOi system

Accessories	
PAW-VP-VALV-160/280	Expansion valve kit 16kW / 28kW

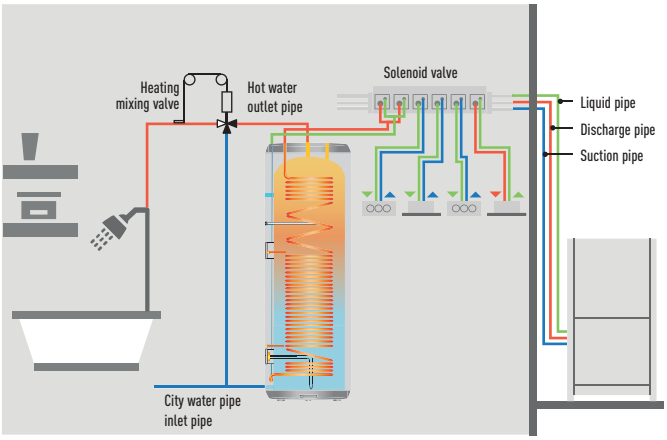
1) Heating of sanitary water up to 55°C with inlet air temperature at 7°C, humidity at 89% and inlet water temperature at 10°C. According to EN16147. 2) Heating of sanitary water up to 55°C with inlet air temperature at 15°C, humidity at 74% and inlet water temperature at 10°C. According to EN16147. 3) Following LOT2 (COMMISSION DELEGATED REGULATION (EU) No. 812/2013).

This product is designed to meet the European Drinking Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

* When connected as pressurised, safety valve is mandatory.

Solution example DHW tank 1000L + ECOi 3-Pipe mixed system

- Ideal offer for hotel projects
- DHW production under spontaneous heating and cooling
- Hot water up to 65°C is efficiently produced by heat recovery
- A7 COP 6,70 considering heat recovery



A DHW | 6,70 COP HIGH PERFORMANCE | DHW | 65°C OUTPUT WATER HIGH TEMPERATURE | -25°C OPERATION RANGE | 5 YEARS COMPRESSOR WARRANTY

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
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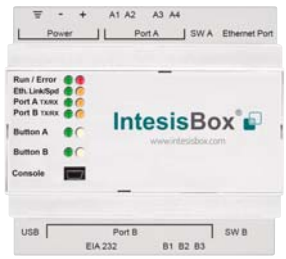
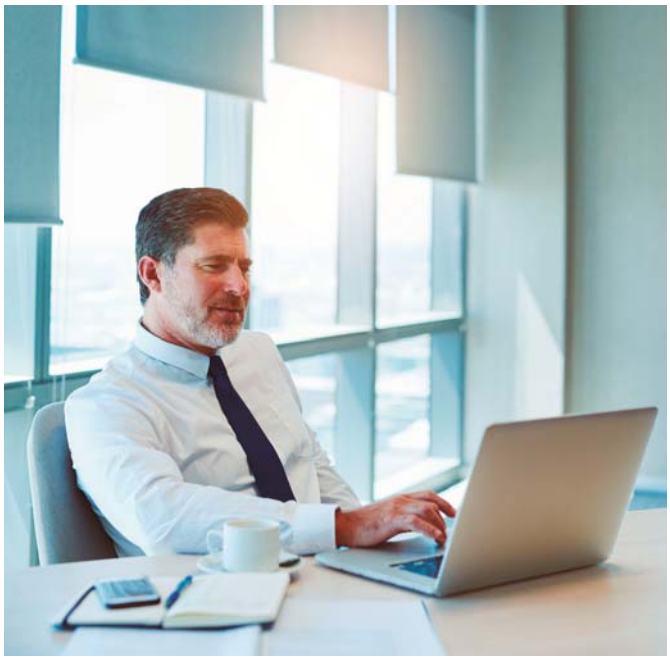
NEW BMS INTERFACE WITH P-LINK

NEW 2019

New BMS interface with Panasonic communication bus helps you to get significant savings.





1 Direct connection to P-Communication bus

- No need additional gateway (CZ-CFUNC2)
- Significant 50% of cost saving for BMS interface*
- Reduce time of configuration and avoid potential mistakes

* In the case of PAW-AC2-BAC-16P by Panasonic calculation.

2 Upgraded specifications and easy configuration

- Base PCB board with MCU, Ethernet, RS485, RS232 & USB
- Configuration by IP or USB
- New single configuration tool for all models (IntesisBox MAPS)
- Modular expansion PCBs (KNX, RS485, DALI, MBUS, LON, ANYBUS)

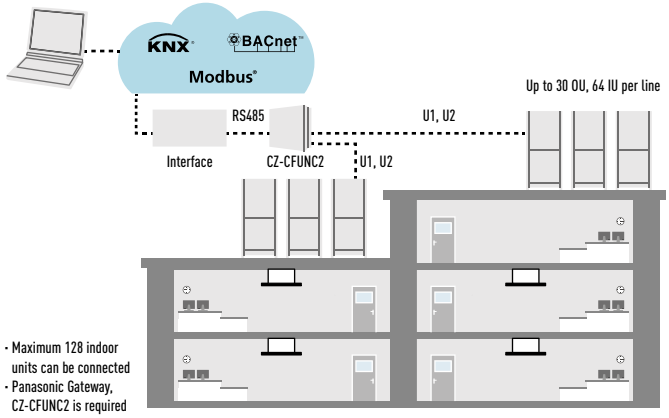
3 BTL certified for BACnet

- BACnet: Version 14 and BTL certified

Direct connection to P-Communication bus

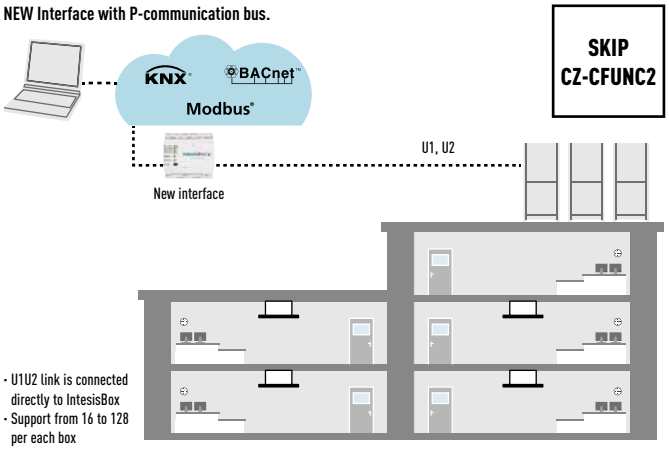
New interface can provide faster, cheaper, easier solution in your projects!

Conventional interface.



- Maximum 128 indoor units can be connected
- Panasonic Gateway, CZ-CFUNC2 is required

NEW Interface with P-communication bus.



- U1U2 link is connected directly to IntesisBox
- Support from 16 to 128 per each box

Upgraded specifications and easy configuration

What is IntesisBox V6?

- Base PCB board with MCU, Ethernet, RS485, RS232 and USB
- Modular expansion PCBs (KNX, RS485, DALI, MBUS, LON, ANYBUS)
- Frontal PCB with all Leds buttons and USB console Port
- New single configuration tool for all models (IntesisBox MAPS)
- Improved version of the current communication Stacks, BTL and KNX Certifications will be possible
- Current configuration project working in the V6 could be recovered
- USB port will allow to store logs without PC during many days
- Configuration by IP or USB (old generation RS232)
- CB Certification for EU, US, CA and AU. Also UL marked product

Model for BACnet	Maximum Nr. of indoor units connected
PAW-AC2-BAC-16P	16 indoor units
PAW-AC2-BAC-64P	64 indoor units
PAW-AC2-BAC-128P	128 indoor units

Model for Modbus	Maximum Nr. of indoor units connected
PAW-AC2-MBS-16P	16 indoor units
PAW-AC2-MBS-64P	64 indoor units
PAW-AC2-MBS-128P	128 indoor units

Model for KNX	Maximum Nr. of indoor units connected
PAW-AC2-KNX-16P	16 indoor units
PAW-AC2-KNX-64P	64 indoor units

ACCESSORIES & CONTROL

Distribution Joint Kits

CZ-P680PH2BM
ECOi 2-Pipe for outdoor unit (68,00kW or less).

CZ-P1350PH2BM
ECOi 2-Pipe for outdoor unit (more than 68,00kW).

CZ-P224BK2BM
ECOi 2-Pipe for indoor unit (22,40kW or less*).

CZ-P680BK2BM
ECOi 2-Pipe for indoor unit (68,00kW or less*).

CZ-P1350BK2BM
ECOi 2-Pipe for indoor unit (more than 68,00kW*).

CZ-P680PJ2BM
ECOi 3-Pipe for outdoor unit (68,00kW or less).

CZ-P1350PJ2BM
ECOi 3-Pipe for outdoor unit (greater than 68,00kW and no more than 135,00kW).

CZ-P224BH2BM
ECOi 3-Pipe for indoor unit (22,40kW or less).

CZ-P680BH2BM
ECOi 3-Pipe for indoor unit (greater than 22,40kW and no more than 68,00kW).

CZ-P1350BH2BM
ECOi 3-Pipe for indoor unit (greater than 68,00kW and no more than 135,00kW).

CZ-P160BK2BM
ECOi 2-Pipe and Mini ECOi for indoor unit (22,40kW or less*).

CZ-P4HP3C2BM
3-Pipe header pipe.

* In case the total capacity of indoor units connected after distribution exceeds the total capacity of the outdoor units, select the distribution piping size for the total capacity of the outdoor units.

Heat Recovery Box

KIT-P56HR3
Box recovery kit up to 5,60kW (CZ-P56HR3 + CZ-CAPE2).

KIT-P160HR3
Box recovery kit from 5,60kW (CZ-P160HR3 + CZ-CAPE2).

CZ-P56HR3
Heat recovery box up to 5,60kW.

CZ-P160HR3
Solenoid valve kit up to 16,00kW.

CZ-CAPE2
Heat recovery PCB.

CZ-P456HR3
4 ports 3 pipe box up to 5,60kW.

CZ-P656HR3
6 ports 3 pipe box up to 5,60kW.

CZ-P856HR3
8 ports 3 pipe box up to 5,60kW.

CZ-P4160HR3
4 ports 3 pipe box up to 16,00kW.

Panels

CZ-KPU3W
Normal panel for 90x90 Cassette.

CZ-KPU3AW
Econavi panel for 90x90 Cassette.

CZ-KPY3AW
Panel for 60x60 Cassette size 700x700mm.

CZ-KPY3BW
Panel for 60x60 Cassette size 625x625mm.

CZ-02KPL2
Panel for 2 Way Cassette (for S-22 to S-56 models).

CZ-03KPL2
Panel for 2 Way Cassette (for S-73 models).

CZ-KPD2
Panel for 1 Way Cassette.

Individual Controls

CZ-RTC5B
Design wired remote controller with Econavi function.

CZ-RWS3 + CZ-RWRU3
Infrared remote controller for 4 Way 90x90 Cassette.

CZ-RWS3
Infrared remote controller for Wall, 4 Way 60x60 (with CZ-KPY3AW) and Floor Console.

CZ-RWS3 + CZ-RWRD3
Infrared remote controller for 1 Way Cassette.

CZ-RWS3 + CZ-RWRT3
Infrared remote controller for Ceiling.

CZ-RWS3 + CZ-RWRC3
Infrared remote controller for all indoor units.

CZ-RWS3 + CZ-RWRL3
Infrared remote controller for 2 Way Cassette.

CZ-RTC2
Standard wired remote controller for Floor Standing (P1).

CZ-RE2C2
Simplified wired remote controller.

CZ-CSRC3
Temperature remote sensor.

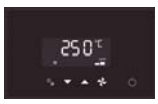
Controller and touch controllers for Hotels with Dry Contacts

PAW-RE2C3-WH-1
Stand-Alone with I/O, White.

PAW-RE2C3-MOD-WH-1
Modbus RS-485 with I/O, White.

PAW-RE2C4-MOD-WH
NEW Modbus RS-485 touch room controller with I/O, White.

PAW-RE2C4-MOD-BK
NEW Modbus RS-485 touch room controller with I/O, Black.



PAW-RE2D4-WH
NEW Touch display control with 2 inputs, White.

PAW-RE2D4-BK
NEW Touch display control with 2 inputs, Black.

Hotel sensors for Dry Contacts

PAW-WMS-DC
NEW Wall motion sensor 24V.

PAW-WMS-AC
NEW Wall motion sensor AC.

PAW-CMS-DC
NEW Ceiling motion sensor 24V.

PAW-CMS-AC
NEW Ceiling motion sensor AC.

PAW-24DC
NEW Power supply 24V.

PAW-DWC
NEW Door or window contact.

Centralised Controls

CZ-64ESMC3
System Controller with Schedule timer. Operation with various function from center station.

CZ-ANC3
Central ON/OFF controller, up to 16 groups, 64 indoor units.

CZ-256ESMC3
Simplified load distribution ratio (LDR) for each tenant. Intelligent Controller (Touch screen panel).

Centralised Controls. BMS System. PC Base

CZ-CSWKC2
PAIMS Basic software.

CZ-CSWAC2
PAIMS Consumption calculation control.

CZ-CFUNC2
Communication adaptor.

CZ-CSWBC2
PAIMS - BACnet interface.

CZ-CSWGC2
PAIMS - Layout display.

CZ-CSWWC2
PAIMS - Web application.

Centralised Controls. Connection with 3rd Party Controller

CZ-CAPDC2
Serial parallel device controlling outdoor units, up to 4 units.

CZ-CAPC3
Adaptor for ON/OFF control of external devices.

CZ-CAPBC2
Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.

CZ-CFUNC2
Communication Adaptor. Up to 128 groups. Controls 128 units.

VRF Smart Connectivity

Panasonic Schneider Electric

SER8150R0B1194
Remote Controller Panasonic Net Con, RH, No PIR, R1/R2.

SER8150R5B1194
Remote Controller Panasonic Net Con, RH, PIR, R1/R2.

VCM8000V5094P
Wireless Zigbee Pro module / Green Com card.

SED-WDC-G-5045
Door / window wireless sensor.

SED-MTH-G-5045
Wall / ceiling (motion) wireless sensor.

SED-CO2-G-5045
CO_2 sensor.

SED-TRH-G-5045
Sensor with room temperature and humidity.

Accessories Interfaces

PAW-RC2-KNX-1i
KNX Interface.

PAW-AC-KNX-64
KNX Interface for 64 I_U.

PAW-AC-KNX-128
KNX Interface for 128 I_U.

PAW-AC-BAC-1
BACnet Interface for 1 unit.

PAW-AC-BAC-64
BACnet Interface for 64 I_U.

PAW-AC-BAC-128
BACnet Interface for 128 I_U.

PAW-RC2-MBS-1
Modbus Interface.

PAW-AC-MBS-64
Modbus Interface for 64 I_U.

PAW-TM-MBS-RTU-64
Modbus Interface for 64 I_U.

PAW-RC2-MBS-4
Modbus interface to control 4 indoor/groups.

PAW-AC-MBS-128
Modbus Interface for 128 I_U.

PAW-TM-MBS-TCP-128
Modbus Interface for 128 I_U.

PAW-AC2-MBS-16P
NEW Modbus Interface for 16 I_U.

PAW-AC2-MBS-64P
NEW Modbus Interface for 64 I_U.

PAW-AC2-MBS-128P
NEW Modbus Interface for 128 I_U.

PAW-AC2-BAC-16P
NEW BACnet Interface for 16 I_U.

PAW-AC2-BAC-64P
NEW BACnet Interface for 64 I_U.

PAW-AC2-BAC-128P
NEW BACnet Interface for 128 I_U.

PAW-AC2-KNX-16P
NEW KNX Interface for 16 I_U.

PAW-AC2-KNX-64P
NEW KNX Interface for 64 I_U.

PAW-MBS-TCP2RTU
ModBus RTU Slave devices.

PA-RC2-WIFI-1
Interface for Intesishome for PACi and ECOi.

CZ-CAPRA1
Domestic with CN-CNT port integration to PACi and ECOi.

CZ-CAPWFC1
NEW Commercial WLAN Adaptor.

CZ-CLNC2
Lonworks® Interface controls up to 16 groups and 64 indoor units.

Panasonic AC Smart Cloud

CZ-CFUSCC1
Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.

PAW-MVN0AC-V
PAW-MVN0AC-K
3G communication package (SIM Card included). V, K: Depending on countries.

Accessories PCB

PAW-T10
All T10 functions.

PAW-ECF
PCB for fan speed control of external EC Fan.

PAW-PACR3
Redundancy of 2 or 3 systems; for PACi and ECOi.

Accessories Cables

CZ-T10
Cable for all the T10 functions.

PAW-FDC
Cable to operate external EC fan.

PAW-OCT
Cable for all option monitoring signals.

PAW-EXCT
Cable with force Thermo OFF/leakage Detection.

Pump Down System

PAW-PUDME1A-1
ECOi 2-Pipe Pump down for 1 outdoor unit system.

PAW-PUDME1A-2
ECOi 2-Pipe Pump down for 2 outdoor units system.

PAW-PUDME1A-3
ECOi 2-Pipe Pump down for 3 outdoor units system.

PAW-PUDMF2A-1
ECOi 3-Pipe Pump down for 1 outdoor unit system.

PAW-PUDMF2A-2
ECOi 3-Pipe Pump down for 2 outdoor units system.

PAW-PUDMF2A-3
ECOi 3-Pipe Pump down for 3 outdoor units system.

PAW-PUDME1A-1R
ECOi 2-Pipe Pump down for 1 outdoor unit system + Receiver Kit 30L.

PAW-PUDME1A-2R
ECOi 2-Pipe Pump down for 2 outdoor units system + Receiver Kit 30L.

PAW-PUDME1A-3R
ECOi 2-Pipe Pump down for 3 outdoor units system + Receiver Kit 30L.

PAW-PUDMF2A-1R
ECOi 3-Pipe Pump down for 1 outdoor unit system + Receiver Kit 30L.

PAW-PUDMF2A-2R
ECOi 3-Pipe Pump down for 2 outdoor units system + Receiver Kit 30L.

PAW-PUDMF2A-3R
ECOi 3-Pipe Pump down for 3 outdoor units system + Receiver Kit 30L.

PAW-PUDRK30L
Receiver Kit 30L.

Other Accessory

CZ-CNEXU1
nanoe™ X air purifying system for 90x90 Cassette.

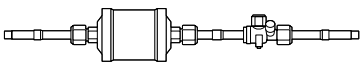
CZ-CENSC1
Econavi energy savings sensor.

Fan coil Controller

PAW-FC-303TC
Fan coil control.

PAW-FC-RC1
NEW Wired remote controller.

R-22 Replacement Kit



CZ-SLK2
Replacement kit for R-22.

LEAK DETECTION AND AUTOMATIC REFRIGERANT PUMP DOWN

Improving safety and the environment

Panasonic has developed an innovative solution to detect refrigerant leaks that offer complete assurance and protection for end users, building occupiers and the environment. Panasonic's Pump Down System is ideal for hotels, offices and public buildings where safety for occupants and the building owners is of utmost importance.
The system monitors refrigerant leakage continually and provides a warning before refrigerant leaks, preventing major refrigerant loss and potentially damaging the system's efficiency. The new system can improve potential refrigerant loss to approximately 90%.
As well as ensuring safe and reliable operation, Panasonic's Pump Down System contributes to a building qualifying for additional BREEAM points and enables compliance with current EN378 2008 standards, covering applications where refrigeration concentration levels exceed practical safety limits of 0,44 kg/m^3.
Panasonic has developed two detection methods that can operate simultaneously to offer complete protection for owners, building occupiers and the environment.

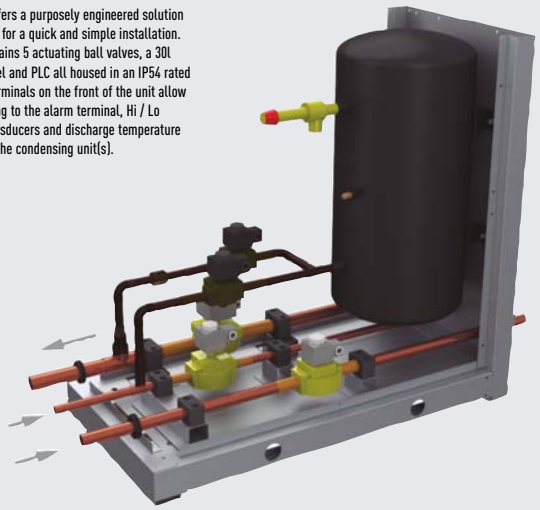
Pump Down system

This innovative pump down system can be connected in two ways:
- With sensor leakage
- Without sensor leakage, using only an innovative algorithm

Basic pump down function:
- Detect the leakage
- Activate pump down process
- Collect the gas in the tank
- Close the valves to isolate the gas

Key points:
- Comply with legislation
- Protect personnel
- Protect the environment
- Save on operating costs

Panasonic offers a purposely engineered solution which allows for a quick and simple installation. The unit contains 5 actuating ball valves, a 30l storage vessel and PLC all housed in an IP54 rated container. Terminals on the front of the unit allow for easy wiring to the alarm terminal, Hi / Lo pressure transducers and discharge temperature sensor(s) of the condensing unit(s).

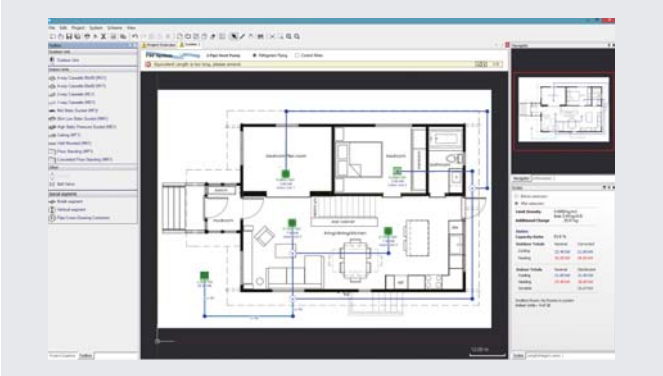


R22 Renewal

Panasonic's advanced technology enables the system to work with previously installed pipe work by managing the working pressure within the system down to R22 (33 bar) levels, this ensures the system works safely and efficiently without loss of capacity.
The new equipment can offer increased COP/EER by using state of the art inverter compressor and heat exchanger technology.
Having contacted your Panasonic supplier regarding pipe work restrictions and gained approval to use the Panasonic Renewal System there are three main tests that have to be carried out to ensure that the system can be used effectively. Firstly a thorough inspection of the pipe work must be carried out and any damage must be repaired. Secondly an oil test has to be carried out to ensure that the system has not been subject to a compressor burnout during its lifetime. Lastly a VRF Renewal Kit (CZ-SLK2) has to be installed within the pipe work to ensure that the system is cleaned of any remnants of oil.

DESIGN SUPPORT SOFTWARE FOR VRF

Features the unique Mounting Scheme function providing more thorough spec-in and tender quotation support for easier, faster completion of work



The Panasonic VRF Designer software can be used for all Panasonic VRF ME2, LE and MF3.

Panasonic has identified the importance of ever-increasing demands for fast and accurate responses to customer requests in our industry. More and more emphasis is being placed upon energy-efficiency in our marketplace. The ability to calculate cooling/heating loads and produce information of actual design conditions is a major advantage to any architect, consultant, contractor or end user.

Panasonic understands the time-poor and demanding industry we are in and we are pleased to announce the launch of the next generation of our system design software program.

The Panasonic VRF Designer software has been customised to make the selection and design process as quick and easy as possible.

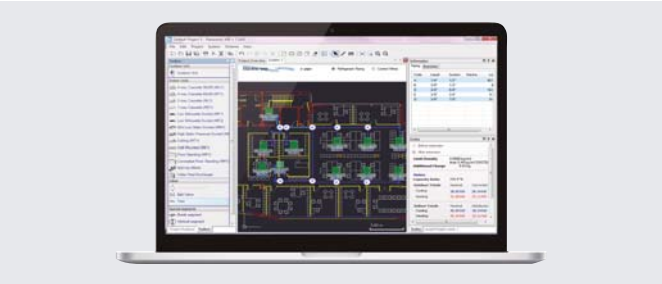
The design package utilises system wizards and import tools to enable both simple and complex systems to be created. In addition, the system will allow outdoor and indoor units to be dragged on an interactive desktop. This allows users to create everything from realistic floor plans with detailed piping and wiring schematics to send out with quotations, through to installation guidance drawings.

Features include:

- Mounting scheme. Design selection from building floor drawing
- Any kind of drawing format. (dxf, jpg, png..etc.)
- Conventional principal scheme
- Easy to use system wizards
- Auto piping and wiring features
- Converted duties for conditions and pipework
- Auto(CAD) (dxf), Excel and PDF export
- Detailed wiring and pipework diagrams
- Automatic price quotation
- Automatic tender document assist
- SEER, SCOP
- ESEER

Panasonic's Advanced VRF software with AutoCAD® compatibility makes design easier than ever

Panasonic provides bespoke software helping system designers, installers and dealers to very quickly design and size systems, create wiring diagrams and issue bills of quantities at the push of a button.



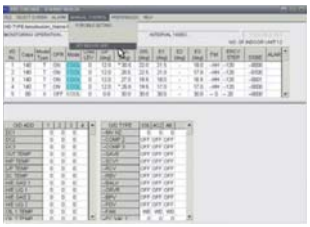
Panasonic VRF Service Checker

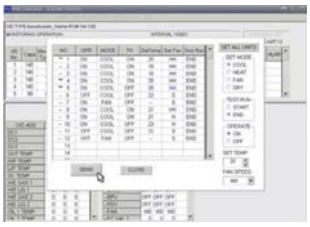
Panasonic will make available to installers and commissioning companies the VRF Service Checker as a communication interface to Panasonic VRF systems. This easy to manage tool checks all parameters of the system.

The VRF Service Checker allows:

- On ECOi and Mini ECOi connect anywhere on the P-Link
- Search the P-Link to validate systems that are connected
- Monitor all indoor and outdoor units simultaneously on 1 screen
- Monitor all Temperature data, Pressure data, Valve position, and alarm status on 1 screen
- Data can be viewed in Graph or number format
- Controlling the indoor unit ON/OFF, MODE, SET POINT, FAN, and TEST mode
- Switching between various systems on same communication P-Link (ECOi only)
- Monitor and record at a set interval time
- Record and review the data at a later date
- Update software as ROM flash writer

This Panasonic VRF Service Checker is available from your service partner.





Interface Box

CONTROL AND CONNECTIVITY

A wide variety of control options to meet the requirements of different applications.

Centralized Control Systems

BMS System. PC Base

CZ-CSWKC2
P-AIMS. Basic Software
Up to 1024 groups. Controls 1024 units.

Connection with 3rd Party Controller

CZ-CAPDC2
Seri-Para I/O unit for outdoor unit.
Up to 4 outdoor units.

CZ-CAPC3
ON/OFF control for external devices such as ERV.
Controls 1 unit.

CZ-CAPBC2
Mini Seri-Para I/O Unit 0 - 10V.
Controls 1 indoor unit or a group of 8 indoor units.

CZ-CFUNC2
Communication Adaptor.
Up to 128 groups. Controls 128 units.

AC Smart Cloud

CZ-CFUSCC1
Cloud internet control.
Up to 128 groups. Controls 128 units.

Domestic integration to P-Link - CZ-CAPRA1

Can connect all ranges to P-Link. Full control is now possible.

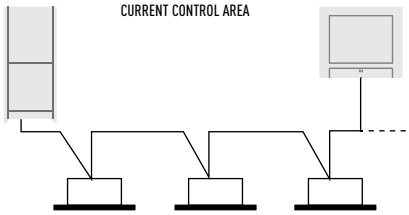
Integrates any unit in big system control

- TKEA / PKEA Server room integration
- Small offices with Domestic indoors
- Tender for refurbishment (old system Domestic and VRF in one installation)

Centralized Control Systems: 64 Indoor units

Intelligent Controller / Web Server: 256 Indoor units

P-AIMS: 1024 Indoor units



Current system for PACi / VRF. Central controller can connect to P-Link line to control units directly. → RAC units cannot connect directly to P-Link to be managed by Central Controllers. → It's necessary to have interface between P-Link and RAC protocol to cover basic operating items.

Basic operation items	
ON/OFF	✔
Mode select	✔
Temperature setting	✔
Fan speed	✔
Flap setting	✔
Remote controller prohibit	✔

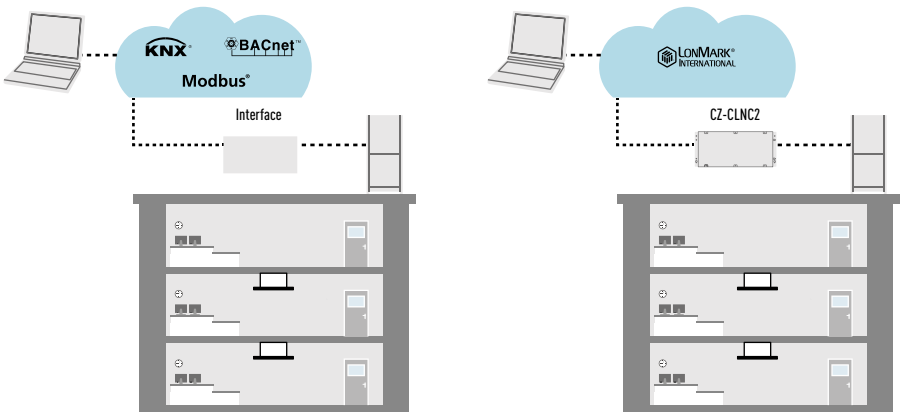
External input	
ON/OFF control signal	✔
Abnormal stop signal	✔
External output for Relay [1]	
Operation status (ON/OFF)	✔
Alarm status output	✔

1) Because current CN-CNT connector can not provide the power for external output relay, additional Input power for external relay is necessary.

Easy connection to KNX, Modbus, LonWorks and BACnet

Great flexibility for integration into your KNX / Modbus / LonWorks / BACnet projects allows fully bi-directional monitoring and control of all the functioning parameters.

For more information, contact Panasonic.



			Econavi control	Built-in thermostat	Indoor units which can be controlled	Use limitations	Function ON/OFF	Mode setting	Fan speed setting	Temperature setting	Air flow direction	Permit/Prohibit switching	Weekly program	BMS protocol
Individual Controllers														
Touch room controller for Hotel with Dry Contacts		PAW-RE2C4-MOD-WH PAW-RE2C4-MOD-BK WH: White, BK: Black	–	✔	1 indoor unit	–	✔	✔	✔	✔	–	✔	–	Modbus + 4 Digital I/O Signals
Room controller for Hotel with Dry Contacts		PAW-RE2C3-WH-1 PAW-RE2C3-MOD-WH-1 White	–	✔	1 indoor unit	–	✔	✔	✔	✔	–	✔	–	Stand Alone or Modbus + 4 Digital I/O Signals
Touch display control for Hotel with Dry Contacts		PAW-RE2D4-WH PAW-RE2D4-BK WH: White, BK: Black	–	✔	1 indoor unit	–	✔	✔	✔	✔	–	✔	–	Stand Alone + 2 Digital Inputs
Design wired remote controller		CZ-RTC5B	✔	✔	1 group, 8 units	· Up to 2 controllers can be connected per group	✔	✔	✔	✔	✔	–	✔	–
Wired remote controller		CZ-RTC2 (for Floor Standing (MP1) indoor units)	–	✔	1 group, 8 units	· Up to 2 controllers can be connected per group	✔	✔	✔	✔	✔	–	✔	–
Infrared remote controller		CZ-RWS3 + CZ-RWRU3 / CZ-RWS3 / CZ-RWS3 + CZ-RWRL3 / CZ-RWS3 + CZ-RWRD3 / CZ-RWS3 + CZ-RWRT3 / CZ-RWS3 + CZ-RWRC3	–	✔	1 group, 8 units	· Up to 2 controllers can be connected per group	✔	✔	✔	✔	✔ [1]	–	–	–
Quick and easy operation. Simplified remote controller		CZ-RE2C2	–	✔	1 group, 8 units	· CZ-RE2C2: up to 2 controllers can be connected per group	✔	✔	✔	✔	✔ [1]	–	–	–
Centralized Controllers														
Central controller with weekly timer		CZ-64ESMC3	✔	–	64 groups, maximum 64 units	· Up to 10 controllers, can be connected to one system · Main unit/sub unit (1 main unit + 1 sub unit) connection is possible · Use without remote controller is possible	✔	✔	✔	✔	✔ [1]	✔	✔	–
Only ON/OFF operation from center station. ON/OFF Controller		CZ-ANC3	–	–	16 groups, maximum 64 units	· Up to 8 controllers (4 main units + 4 sub units) can be connected to one system · Use without remote controller is impossible	✔	–	–	–	–	✔	–	–
Simplified load distribution ratio (LDR) for each tenant. Intelligent Controller (Touch screen panel)		CZ-256ESMC3	✔	–	Main unit: 128. Up to 256 units can be expanded	· Communication adaptor CZ-CFUNC2 is necessary for connection with more than 128 units	✔	✔	✔	✔	✔ [1]	✔	✔	–

1. Setting is not possible when a remote controller unit is present (use the remote controller for setting). * All specifications subject to change without notice.

VRF SMART CONNECTIVITY+

The future of Control.

Connect to the future. VRF Smart Connectivity

Through thorough energy management, Panasonic's VRF Smart Connectivity is a completely new, state-of-the-art solution providing energy saving and comfort as well as simple installation, operation and running.

Panasonic, passionately pursuing the ultimate in energy saving through the application of cutting-edge technology, and Schneider Electric, an advanced global energy management specialist offering innovative control systems. This collaboration has set the new standard for creating the next generation of contemporary buildings.

VRF Smart Connectivity+ offers efficient energy management and a new air conditioning control solution with high IAQ (Indoor Air Quality).

Energy Management System for Rooms	Each room is monitored by high-precision sensors, making it possible to make every room's temperature comfortable without wasting energy.
Management System for the Entire Building	A Building Energy Management System (BEMS) can also be connected for Plug & Play centralised control of the building's entire energy consumption.

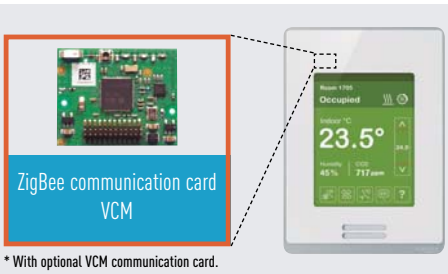
Smart connectivity devices

SED-WDC-G-5045
Door/window sensor.

SED-MTH-G-5045
Wall/ceiling motion/ temperature/humidity sensor.

SED-CO2-G-5045
CO_2 temperature/humidity sensor.

SED-WLS-G-5045
Water leakage sensor.

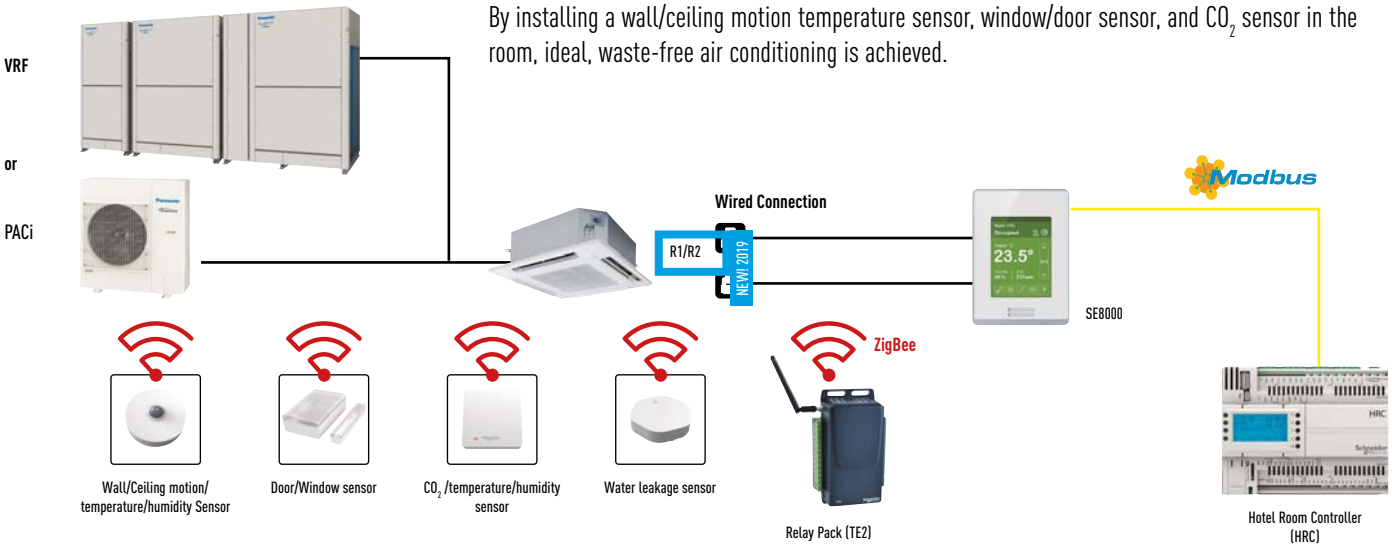


* With optional VCM communication card.

Features

- Up to 5-year battery life batteries included
- Battery life of CO_2 sensor up to 10-year.
- Battery level is a point
- Sensor points visible when SE8000 is integrated via BACnet MS/TP
- Sensor status and battery level visible when SE8150 is integrated via ZigBee® Pro
- Integration to BMS only recommended when each MPM is connected to Ethernet and set as a ZigBee® Coordinator node

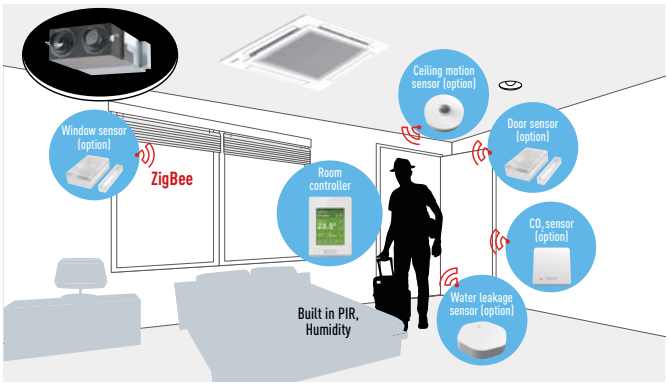
By installing a wall/ceiling motion temperature sensor, window/door sensor, and CO_2 sensor in the room, ideal, waste-free air conditioning is achieved.



Sensing & Control technology

Using sensors from Schneider Electric, high-quality occupancy control and automatic IAQ control were realised. The sensors detect the presence or absence of occupants, and the opening and closing of doors and windows to achieve the most efficient energy management for exceptional air-conditioned comfort.
Flexible installation is possible to match different applications and building features such as walls, ceilings and proximity to doors and windows. No wiring means extra installation versatility.

Batteries last for up to five years (10-year battery for CO_2 sensor) and are easy to install and replace.



Door/Window sensor
Door and window contact detection sensor to monitor opening and closing.

Wall/Ceiling motion/temperature/humidity Sensor
Wall and ceiling sensor to detect the presence or absence of occupants.

CO_2 /temperature/humidity sensor
Monitor indoor air quality, review data on interfacing devices, and control fresh air inside customizable zones.

Water leakage sensor
Two sensing pads under the body activate when water is present between the two pads. Detecting the water, the sensor reports the event to the controller.

Relay Pack (TE2)
Wireless programmable terminal equipment controllers for HVAC equipment and pulse counting. Includes local memory to store fail safe control sequence.

Hotel Room Controller (HRC)
The Hotel Room Controller controls connected guest room devices and aggregates data, making it visible to guest room and property management systems.

DISCOVER A NEW ERA OF ECOi, THE ECOi-W. HEAT PUMP CHILLERS

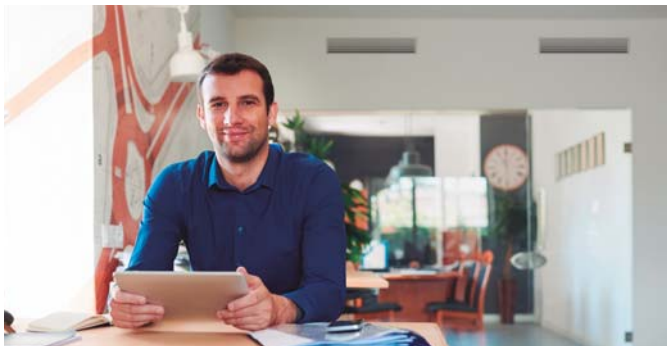
Panasonic introduces a new Heat Pump Chiller series which is named as ECOi-W.
This new series provides a wide variety of HVAC system solutions, to meet all of your residential, commercial and industrial needs.

Unrivaled Reliability and Quality.

Panasonic solutions can be enjoyed for years to come, even in the most extreme climates. Panasonic does not compromise on product quality, safety or durability, in order to provide the ultimate comfort when you need it most.

ECOi-W provides the optimal performance in any climatic condition.

ECOi-W the solution for hotels, offices and the industry.

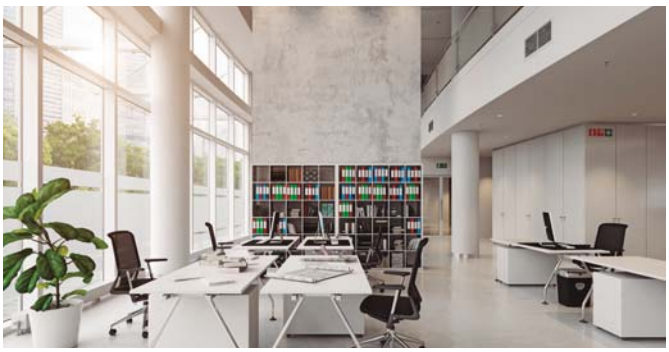


Cloud Control.

Cloud control is available as standard in the size between 140 and 210*. This cloud control ensures your business promised from wherever you are, 24/07/365.

Fan Coils application with ECOi-W Heat Pump Chiller System.

For the optimized comfort, ECOi-W series can be integrated Fan Coils.



ECOi-W MEETS THE CUSTOMER'S NEEDS, WITH THIS FULLY CUSTOMISABLE HEAT PUMP CHILLER

1 High Energy saving and Comfort

- High SEER/SCOP
- Quiet operation
- Cloud compatible
- Modbus built-in

2 High Flexibility

- From 20kW to 210kW
- Customisable design
- Operating range: -17°C (Heating) to 50°C (Cooling)
- Wide range of Hydraulic options
- Wide range of communication protocols

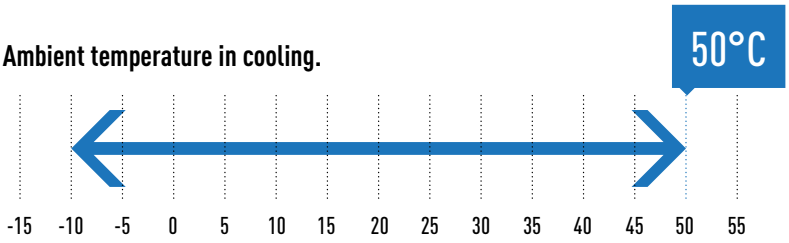
3 High Quality

- Defrost limiting coil design (140 to 210)
- Optimized design for service and maintenance
- Compact footprint

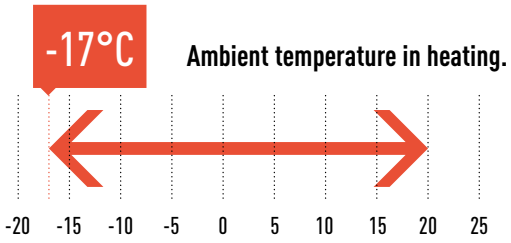
Operating condition

Panasonic ECOi-W provides wide operation range from -17°C in heating to 50°C in cooling.

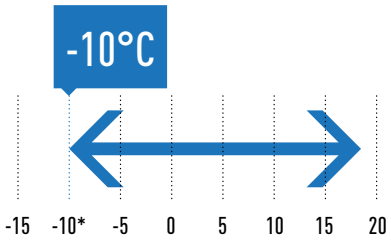
Ambient temperature in cooling.



Ambient temperature in heating.



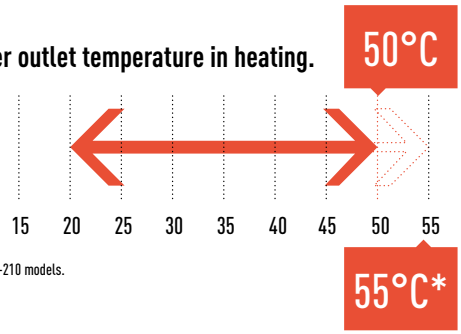
Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).



* With glycol 45%, 5°C without glycol.

Water outlet temperature in cooling.
One of the uniqueness which ECOi-W has, is the water outlet temperature up to -10°C in cooling. It can ensure the operation temperature of the process equipment in factories.

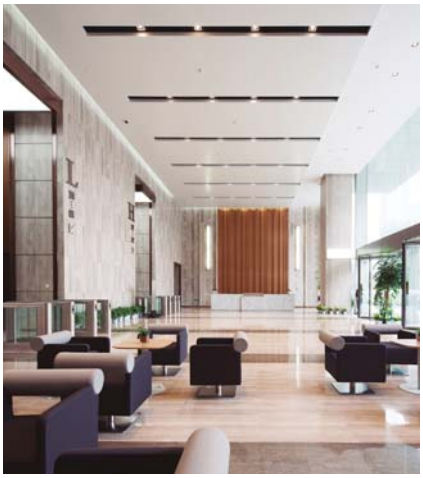
Water outlet temperature in heating.



* For 140-210 models.

ECOi-W the solution for hotels, offices and the industry

Hotels



Offices

Industry

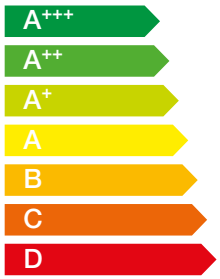
ECOi-W

ECOi-W provides the optimal performance in any climatic condition

R410A

Energy efficiency class [1]

More efficient



Less efficient

Simple Line-up List

ECOi-W Size	20	25	30	35	40	45	55	65	75	90	105	125	140	150	170	190	210
Cooling capacities (kW)	19,4	25,3	26,9	35,8	37,4	46,8	53,3	65,8	71,6	91,4	106,2	121,9	125,4	137,6	150,9	175,8	195,4
Heating capacities (kW)	19,5	26,9	29,7	37,3	41,6	48,5	58,2	67,2	75,9	88,1	101,0	119,1	143,7	153,7	170,1	194,9	217,6
SEER	3,91	3,87	3,88	3,68	3,91	3,70	3,86	4,04	3,99	3,89	3,88	3,89	3,87	3,87	3,91	3,69	3,68
SCOP	3,37	3,27	3,27	3,36	3,40	3,23	3,27	3,43	3,40	3,26	3,31	3,35	3,32	3,36	3,31	3,29	3,23
Energy efficiency class (Scale A+++ to D) [1]	A+	A+	A+	A+	A+	A+	A+	A+									
Dimensions (H x W x D) [2]	1983 x 1000 x 1000			1983 x 1000 x 1000		1986 x 2180 x 1160		1986 x 2180 x 1160		2286 x 2180 x 1160			2295 x 2856 x 2210		2321 x 2856 x 2210		

1) Seasonal space heating energy efficiency class according to scale from A+++ to D, as of 26th September 2019. 2) Without buffer tank.

PANASONIC CERTIFIED QUALITY

Panasonic does not compromise on product quality, safety or durability, in order to provide the ultimate comfort when you need it most.

Class A pump

An efficient pump is equipped as a standard. A wide range of single and double pump, plus pump drive options available.

* Available in 20-40.

Axial AC/EC fan

Microprocessor control automatically adjusts fan speed to High, Medium or Low, corresponding to room sensor.
Also maintains comfortable airflow throughout the room.

SWEP BP Heat Exchanger

Very compact & long durability of SWEP Braze Plate Heat Exchanger.
Unique design for the size 140 - 210 improving frost protection and efficiency.

Model type supplied may vary.

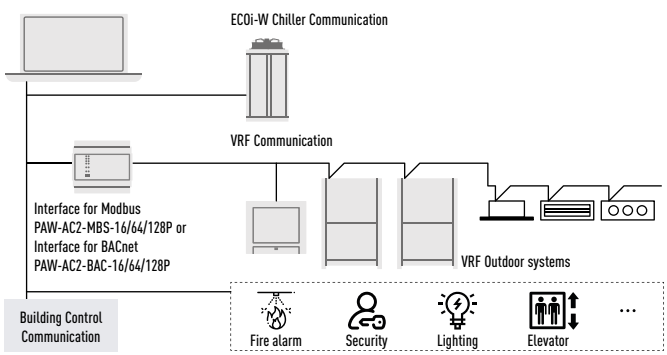
Simple user friendly control

In addition to basic control functions...

- Intelligent logic control for inlet water temperature
- Night setback operation to reduce electrical consumption and noise
- Automatic Test operation at the push of a button

BMS integration

Modbus RTU as standard.
Modbus TCP/IP, BACnet IP and BACnet MSTP as optional availability.
Integrated systems with ECOi-W Chiller, VRF and BMS control can be offered.

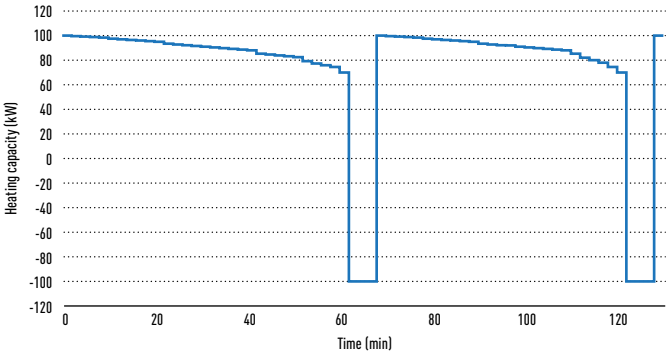


Defrost limiting coil design

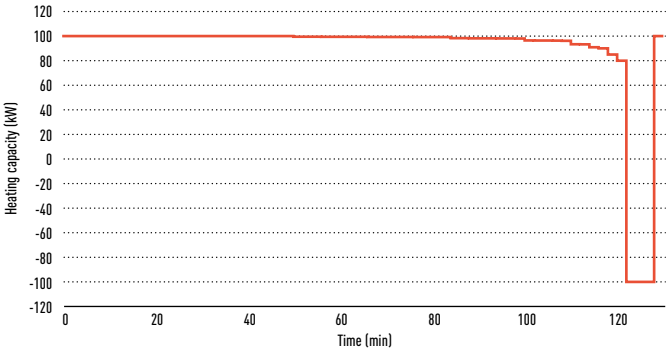
- Fin space increased to prevent the coil freezing
- Number of rows increased to maintain the same capacity in standard conditions
- Designed to decrease freezing frequency as soon as External air T° goes below 7°C

* Available in 140-210.

Standard coil: 2 defrost every 130 min



Special coil design: 1 defrost every 130 min



+22% MORE HEATING
+15% HIGHER COP
SCOP IMPROVED

Victaulic grooved connection

Victaulic Installation-Ready™ couplings assure proper piping installation.
Optimized design to reduce installation effects, including noise and vibration attenuation.

* Available in 140-210.

Model type supplied may vary.

Bluefin as standard

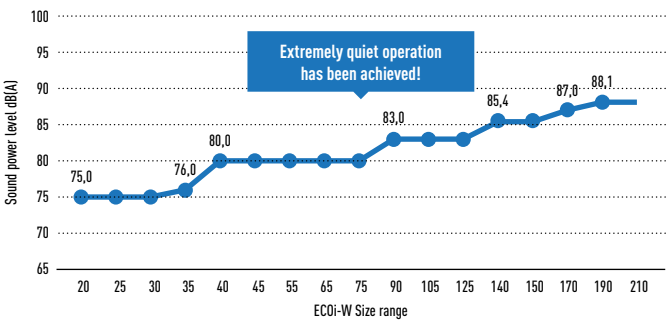
Bluefin anti-corrosion coating prevents salt damage for the longer life time.

Low noise kit

ECOi-W series is equipped with the compressor phonic insulation box as a standard.

* Standard in 20-40, 140-210. Optional in 45-125.

ECOi-W Quiet operation in full range

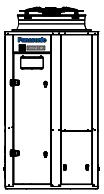


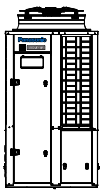
* Performance with standard fans. In the range 45-125, noise performance without low noise option.

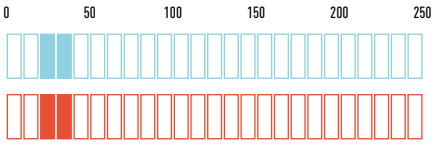
PRODUCT RANGE OVERVIEW

ECOi-W 20 - 25 - 30 - 35 - 40

Compact and powerful heat pump chiller series with Panasonic quality verification.
ECOi-W Series guarantees quiet operation. Low noise package is equipped as standard.


20 - 25 - 30

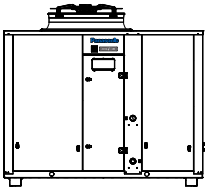

35 - 40

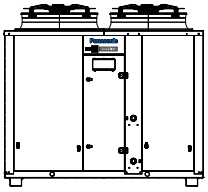


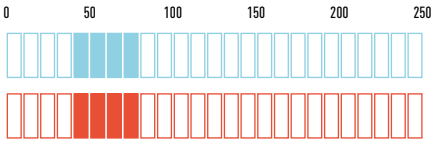
HIGH SEER | HIGH SCOP | ErP | -17°C | 50°C

ECOi-W 45 - 55 - 65 - 75

High seasonal efficiency in cooling, maximum SEER 4,04 in this range. ECOi-W Series offers a variety of options to meet your needs.


45 - 55

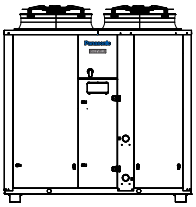

65 - 75

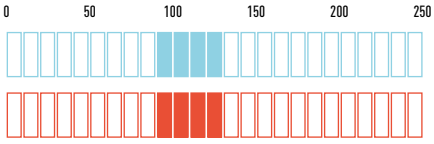


HIGH SEER | HIGH SCOP | ErP | -17°C | 50°C

ECOi-W 90 - 105 - 125

Customizable design gives high flexibility. Wide range of communication protocols fulfill the requirements in hotels, offices, industry applications.

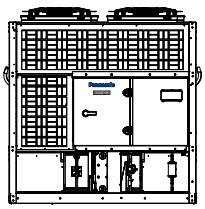


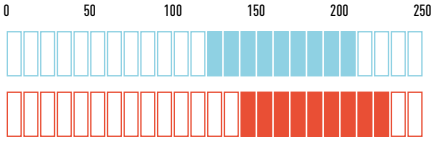


HIGH SEER | HIGH SCOP | ErP | -17°C | 50°C

ECOi-W 140 - 150 - 170 - 190 - 210

Heat pump chiller series with powerful operation by 4 scroll compressors.
Maximum water outlet temperature in heating is up to 55°C. Defrost limiting design ensures to provide stable hot water even at ambient conditions.





HIGH SEER | HIGH SCOP | ErP | -17°C | 50°C

There is a reason to choose Panasonic as your partner.
Panasonic does not compromise on product quality, always strives for 100% Quality.
ECOi-W series offers smart technology meeting your needs at home and business.

Reliable quality

100% QUALITY
QUALITY CERTIFIED BY PANASONIC

Quality certified by Panasonic.
Panasonic does not compromise on product quality, safety, durability in order to provide the ultimate comfort when you need it most.

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Eurovent Certified Performance.
The performance of ECOi-W Series has been certified by Eurovent to prove the high quality and high performance by Panasonic.
https://www.eurovent-certification.com/

ErP

ECOi-W Series are compliant with ErP regulation.
SEER follows COMMISSION REGULATION (EU) No 2016/2281.
SCOP follows COMMISSION REGULATION (EU) No 813/2013.

Support materials for customers

AutoCAD 2D files and BIM models for ECOi-W full range is ready at Panasonic PROClub.
https://www.panasonicproclub.com

Energy saving

HIGH SEER
4,04

High Seasonal Efficiency in cooling mode.
SEER follows COMMISSION REGULATION (EU) No 2016/2281.

HIGH SCOP
3,43

High Seasonal Efficiency in heating mode.
SCOP follows COMMISSION REGULATION (EU) No 813/2013.

High Performance and comfortability


SUPER QUIET

Super Quiet.
Extra quiet version is available as standard (with sizes 20 – 40, 140 - 210).


BLUEFIN

Bluefin.
Bluefin coil comes as standard. The life time of coils have been extended thanks to the hydrophilic coating.


ULTIMATE CUSTOMISATION

Ultimate Customisation.
Various different options for extra pumps, different ambient, hydraulic systems and more are offered. Ultimate customization for your needs and environment.


AUTOMATIC FAN

Automatic fan operation.
Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low, corresponding to room sensor and maintains comfortable airflow throughout the room.

-17°C
HEATING MODE

Down to -17°C in heating mode.
The ECOi-W system works in heating mode at outdoor temperature down to -17°C.

50°C
COOLING MODE

Up to 50°C in cooling mode.
The ECOi-W system works in cooling mode at outdoor temperature up to 50°C.


DEFROST LIMITING

Defrost limiting cycle (140 – 210).
Each pair of coils can be defrosted wisely while the other pair of coils are running in heating mode. This alternated defrost cycle ensures stable hot water even at low ambient conditions.

High connectivity


CLOUD

Cloud control.
The Cloud control for ECOi-W series allows you to have complete control of all your installations. In a simple click, receive status updates from your systems in real-time, preventing breakdowns and optimizing costs.


BMS CONNECTIVITY

BMS connectivity.
The communication port can be integrated into the ECOi-W system and provides easy connection and control.
Modbus RTU is equipped as standard. Modbus TCP/IP, BACnet IP and BACnet MSTP as optional availability.

U- 020/025/030/035/040 CW

Cooling capacity: 19,4 to 37,4kW
Heating capacity: 19,5 to 41,6kW

NEW 2019

Compact and powerful heat pump chiller series with Panasonic quality verification.

ECOi-W Series guarantees quiet operation. Low noise package is equipped as standard.

20 - 25 - 30

35 - 40

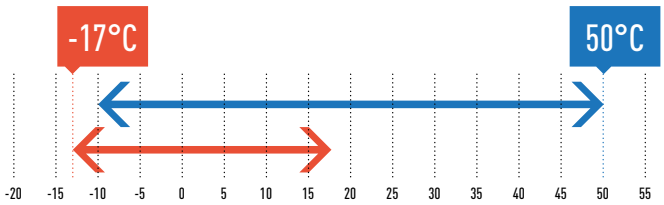
A+ R410A

EUROVENT CERTIFIED PERFORMANCE

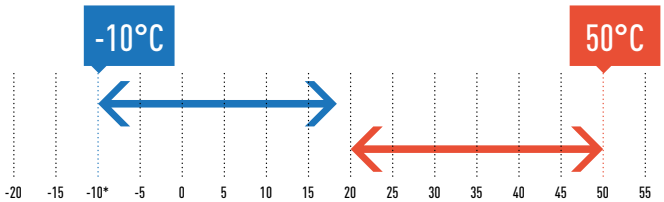
* Seasonal space heating energy efficiency class (Scale A+++ to D).

- High seasonal efficiency in cooling and heating
- Eurovent certified
- Ambient temperature operation range: -10 - +50°C in cooling, -17 - +20°C in heating
- Water outlet temperature range: -10 - +18°C in cooling, +20 - +50°C in heating
- Super quiet operation
- Optimized design for service and maintenance
- Simple user friendly control as standard
- Modbus RTU as standard
- Cloud control option

Ambient temperature.



Water outlet temperature.



Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).
* With glycol 45%, 5°C without glycol.

Technical focus

- Chiller type: Heat pump
- Compressor type (number of compressors): Scroll compressors (2)
- Refrigeration type: R410
- Refrigerant circuit: 1
- Fan type (number of fans): Axial fan (1)
- Heat exchanger: Stainless Steel Plate Heat exchanger
- Flow switch, Water safety & Air purge valves included
- Water filter included (Mandatory site installation required)
- Night Mode setting to save energy and reduce noise level
- Water compensation curve control
- Optional Hydraulic Kit
- Epoxy finned coil treatment (Blygold)
- Optional Modbus TCP/IP, BACnet IP and BACnet MSTP

Available options

Options				
Pump	**Pump drive**	**Hydraulic options**	**Ambient options**	**Misc. options**
Single Pump (as standard)	Fixed Speed	Low water pressure sensor	Finned coil treatment - epoxy	Soft Starter
	Variable speed	Water isolation valves	Rubber pads	Power supply w/o neutral
	Variable capacity		Spring damper	Cloud Connection
	Constant outlet pressure		All seasons	Modbus TCP/IP
	Constant differential pressure		Nordic pack	BACnet MSTP
			High pressure fan	BACnet IP

The detail information on page 22.

PAW-SYSREMKIT
Optional Remote Control.

PAW-SYSSOV1
Optional Shut off valves kit for model 20 - 40.

Model			**20**	**25**	**30**	**35**	**40**
Standard without buffer tank			**U-020CWNB**	**U-025CWNB**	**U-030CWNB**	**U-035CWNB**	**U-040CWNB**
With buffer tank			**U-020CWBS**	**U-025CWBS**	**U-030CWBS**	**U-035CWBS**	**U-040CWBS**
Power supply	Voltage	V	400	400	400	400	400
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50
Cooling capacity [1]		kW	19,40	25,30	26,90	35,80	37,40
Input power cooling [1]		kW	6,10	8,61	9,34	13,51	13,64
Total EER 100% [1]			3,18	2,94	2,88	2,65	2,74
SEER [2]			**3,91**	**3,87**	**3,88**	**3,68**	**3,91**
ηsc [2]			153,00	152,00	152,00	144,00	153,00
Heating capacity [3]		kW	19,50	26,90	29,70	37,30	41,60
Input power heating [3]		kW	6,11	9,28	9,93	13,23	13,51
SCOP [4]			**3,37**	**3,27**	**3,27**	**3,36**	**3,40**
ηsh [4]			132,00	128,00	128,00	132,00	133,00
Energy efficiency class (Scale A+++ to D) [5]			A+	A+	A+	A+	A+
Startup type			Direct	Direct	Direct	Direct	Direct
Maximum operating current		A	17,70	22,20	24,30	31,80	33,80
Startup current w/o softstarter / w softstarter		A	52,71 / 28,11	63,71 / 35,21	77,29 / 48,79	118,34 / 52,99	119,34 / 53,99
Sound power level (w standard fans)		dB(A)	75,0	75,0	75,0	76,0	76,0
Sound pressure level (w standard fans) [6]		dB(A)	42,8	42,8	42,8	43,8	43,8
Dimensions (w standard fans) w/o buffer tank	H x W x D	mm	1983 x 1000 x 1000	1983 x 1000 x 1000	1983 x 1000 x 1000	1983 x 1000 x 1000	1983 x 1000 x 1000
Dimensions (w standard fans) w buffer tank	H x W x D	mm	1983 x 1000 x 1507	1983 x 1000 x 1507	1983 x 1000 x 1507	1983 x 1000 x 1507	1983 x 1000 x 1507
Weight (w 1 pump) w/o buffer tank		kg	280	290	320	330	330
Weight (w 1 pump) w buffer tank		kg	345	355	385	395	395
Refrigerant (R410A)		kg	6,5	8,4	8,4	9,1	9,2
Number of refrigerant circuit			1	1	1	1	1
Compressors							
Number			2	2	2	2	2
Type			Scroll	Scroll	Scroll	Scroll	Scroll
Part load step		%	0 / 50 / 100	0 / 50 / 100	0 / 50 / 100	0 / 50 / 100	0 / 50 / 100
Crankcase heater		W	2x40	2x40	2x49	2x49	2x49
Evaporator							
Number			1	1	1	1	1
Type			Plate	Plate	Plate	Plate	Plate
Nominal water flow (cooling)		m³/h	3,35	4,36	4,64	6,16	6,44
Water pressure drop (cooling)		kPa	23	37	22	37	40
Water volume		l	1,78	1,78	2,55	2,55	2,55
Antifreeze heater		W	30	30	30	30	30
Coils							
Number			1	1	1	1	1
Frontal surface		m²	2,4	2,4	2,4	2,8	2,8
Number of rows			2	2	2	2	2
Fans standard							
Number			1	1	1	1	1
Airflow		m³/h	9000	13000	13000	16000	16000
Rotation speed		r.p.m.	900	900	900	650	650
Power input (each fan)		W	620	940	940	930	930
Water connections							
Type			Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Inlet - diameter		Inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Outlet - diameter		Inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D, as of 26th September 2019. 6) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallepiped shape.
* w: with, w/o: without.

Accessories	
PAW-SYSREMKIT	Remote Control

Accessories	
PAW-SYSSOV1	Shut off valves kit for model 20 - 40

HIGH SEER 3,91 | HIGH SCOP 3,40 | ErP | SUPER QUIET | BLUEFIN | ULTIMATE CUSTOMISATION | AUTOMATIC FAN | -17°C HEATING MODE | 50°C COOLING MODE | CLOUD | BMS CONNECTIVITY

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

U - 045/055/065/075 CW

NEW 2019

Cooling capacity: 46,8 to 71,6kW
Heating capacity: 48,5 to 75,9kW

High seasonal efficiency in cooling, maximum SEER 4,04 in this range. ECOi-W Series offers a variety of options to meet your needs.

45 - 55

65 - 75

- High seasonal efficiency in cooling and heating
- Eurovent certified
- Ambient temperature operation range: -10 - +50°C in cooling, -17 - +20°C in heating
- Water outlet temperature range: -10 - +18°C in cooling, +20 - +50°C in heating
- Optional extra-low noise kit available
- Optimized design for service and maintenance
- Simple user friendly control as standard
- Modbus RTU as standard
- Cloud control option

A+ R410A

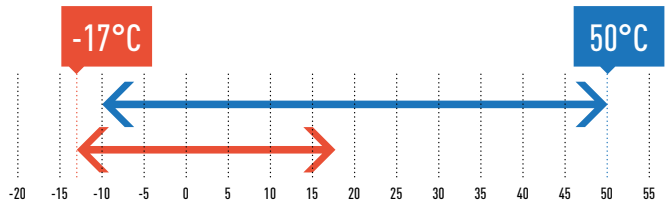
EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

* Seasonal space heating energy efficiency class (Scale A+++ to D).

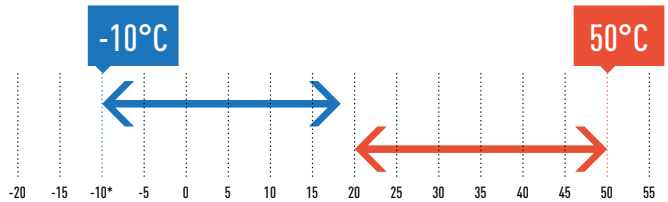
Technical focus

- Chiller type: Heat pump
- Compressor type (number of compressors): Scroll compressors (2)
- Refrigeration type: R410
- Refrigerant circuit: 1
- Fan type (number of fans): Axial fan (1 for 45/55, 2 for 65/75)
- Heat exchanger: Stainless Steel Plate Heat exchanger
- Flow switch, Water safety & Air purge valves included
- Water filter included (Mandatory site installation required)
- Night Mode setting to save energy and reduce noise level
- Water compensation curve control
- Optional Hydraulic Kit
- Optional Modbus TCP/IP, BACnet IP and BACnet MSTP

Ambient temperature.



Water outlet temperature.



Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).
* With glycol 45%, 5°C without glycol.

Available options

Options				
Pump	**Pump drive**	**Hydraulic options**	**Ambient options**	**Misc. options**
Single Pump	Variable speed	Low water pressure sensor	Finned coil treatment - epoxy	Soft Starter
Double Pump	Variable capacity	Water isolation valves	Outdoor coil protection grid	Power supply w/o neutral
	Constant outlet pressure		Rubber pads	Cloud Connection
	Constant differential pressure		Spring damper	Modbus TCP/IP
			All seasons fan control	BACnet MSTP
			Extra-low noise kit	BACnet IP
			High pressure fan	Container transport
				Refrigerant gauge

The detail information on page 22.

PAW-SYSREMKIT
Optional Remote Control.

PAW-SYSSOV2
Optional Shut off valves kit for model 45 - 75.

Model			**45**	**55**	**65**	**75**
Standard without buffer tank			**U-045CWNB**	**U-055CWNB**	**U-065CWNB**	**U-075CWNB**
With buffer tank			**U-045CWBM**	**U-055CWBM**	**U-065CWBM**	**U-075CWBM**
Power supply	Voltage	V	400	400	400	400
	Phase		Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50
Cooling capacity [1]		kW	46,80	53,30	65,80	71,60
Input power cooling [1]		kW	16,90	19,67	22,10	24,26
Total EER 100% [1]			2,77	2,71	2,98	2,95
SEER [2]			**3,70**	**3,86**	**4,04**	**3,99**
ηsc [2]			145,00	151,00	159,00	157,00
Heating capacity [3]		kW	48,50	58,20	67,20	75,90
Input power heating [3]		kW	17,32	20,35	22,47	24,33
SCOP [4]			**3,23**	**3,27**	**3,43**	**3,40**
ηsh [4]			126,00	128,00	134,00	133,00
Energy efficiency class (Scale A+++ to D) [5]			A+	A+	A+	—
Startup type			Direct	Direct	Direct	Direct
Maximum operating current		A	40,20	44,20	59,40	64,40
Startup current w/o softstarter / w softstarter		A	133,20 / 65,80	140,20 / 72,80	201,43 / 101,03	206,43 / 106,03
Sound power level (w standard fans)		dB(A)	80,0	80,0	80,0	80,0
Sound pressure level (w standard fans) [6]		dB(A)	47,8	47,8	47,8	47,8
Dimensions (w standard fans) w/o buffer tank	H x W x D	mm	1986 x 2180 x 1160	1986 x 2180 x 1160	1986 x 2180 x 1160	1986 x 2180 x 1160
Dimensions (w standard fans) w buffer tank	H x W x D	mm	1986 x 2680 x 1160	1986 x 2680 x 1160	1986 x 2680 x 1160	1986 x 2680 x 1160
Weight (w 1 pump) w/o buffer tank		kg	540	540	610	610
Weight (w 1 pump) w buffer tank		kg	700	700	770	770
Refrigerant (R410A)		kg	14,0	14,3	18,9	19,3
Number of refrigerant circuit			1	1	1	1
Compressors						
Number			2	2	2	2
Type			Scroll	Scroll	Scroll	Scroll
Part load step		%	0 / 50 / 100	0 / 43 / 57 / 100	0 / 40 / 60 / 100	0 / 45 / 55 / 100
Crankcase heater		W	2x66	2x66	2x66	2x66
Evaporator						
Number			1	1	1	1
Type			Plate	Plate	Plate	Plate
Nominal water flow (cooling)		m³/h	8,06	9,18	11,30	12,31
Water pressure drop (cooling)		kPa	30	35	28	37
Water volume		l	4,10	4,10	6,10	6,10
Antifreeze heater		W	30	30	2x30	2x30
Coils						
Number			1	1	2	2
Frontal surface		m²	4,20	4,20	5,55	5,55
Number of rows			2	2	2	2
Fans standard						
Number			1	1	2	2
Airflow		m³/h	22500	22500	15000	15000
Rotation speed		r.p.m.	790	790	650	650
Power input (each fan)		W	1650	1650	930	930
Water connections						
Type			Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Inlet - diameter		Inch	2	2	2	2
Outlet - diameter		Inch	2	2	2	2

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D, as of 26th September 2019. 6) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallepiped shape.
* w: with, w/o: without.

Accessories	
PAW-SYSREMKIT	Remote Control

Accessories	
PAW-SYSSOV2	Shut off valves kit for model 45 - 75

HIGH SEER 4,04 | HIGH SCOP 3,43 | ErP | BLUEFIN | ULTIMATE CUSTOMISATION | AUTOMATIC FAN | -17°C HEATING MODE | 50°C COOLING MODE | CLOUD | BMS CONNECTIVITY

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

U - 090/105/125 CW

Cooling capacity: 91,4 to 121,9kW
Heating capacity: 88,1 to 119,1kW

NEW 2019

Customizable design gives high flexibility. Wide range of communication protocols fulfill the requirements in hotels, offices, industry applications.

- High seasonal efficiency in cooling and heating
- Eurovent certified
- Ambient temperature operation range: -10 - +50°C in cooling, -17 - +20°C in heating
- Water outlet temperature range: -10 - +18°C in cooling, +20 - +50°C in heating
- Optional extra-low noise kit available
- Optimized design for service and maintenance
- Simple user friendly control as standard
- Modbus RTU as standard
- Cloud control option

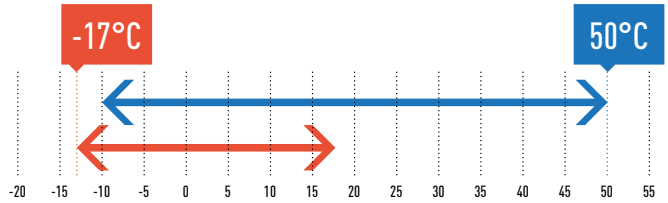
R410A

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

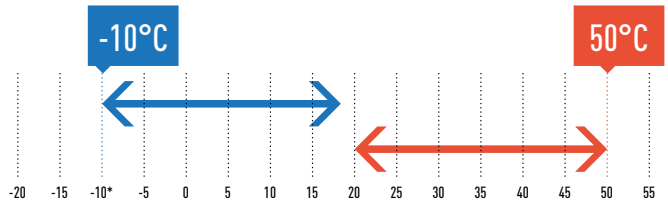
Technical focus

- Chiller type: Heat pump
- Compressor type (number of compressors): Scroll compressors (2)
- Refrigeration type: R410
- Refrigerant circuit: 1
- Fan type (number of fans): Axial fan (2)
- Heat exchanger: Stainless Steel Plate Heat exchanger
- Flow switch, Water safety & Air purge valves included
- Water filter included (Mandatory site installation required)
- Night Mode setting to save energy and reduce noise level
- Water compensation curve control
- Optional Hydraulic Kit
- Optional Modbus TCP/IP, BACnet IP and BACnet MSTP

Ambient temperature.



Water outlet temperature.



Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).
* With glycol 45%, 5°C without glycol.

Available options

Options				
Pump	**Pump drive**	**Hydraulic options**	**Ambient options**	**Misc. options**
Single Pump	Variable speed	Low water pressure sensor	Finned coil treatment - epoxy	Soft Starter
Double Pump	Variable capacity	Water isolation valves	Outdoor coil protection grid	Power supply w/o neutral
	Constant outlet pressure		Rubber pads	Cloud Connection
	Constant differential pressure		Spring damper	Modbus TCP/IP
			All seasons fan control	BACnet MSTP
			Extra-low noise kit	BACnet IP
			High pressure fan	Container transport
				Refrigerant gauge

The detail information on page 22.

PAW-SYSREMKIT
Optional Remote Control.

PAW-SYSSOV3
Optional Shut off valves kit for model 90 - 125.

Model			**90**	**105**	**125**
Standard without buffer tank			**U-090CWNB**	**U-105CWNB**	**U-125CWNB**
With buffer tank			**U-090CWBM**	**U-105CWBM**	**U-125CWBM**
Power supply	Voltage	V	400	400	400
	Phase		Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50
Cooling capacity [1]		kW	91,40	106,20	121,90
Input power cooling [1]		kW	34,36	38,06	46,35
Total EER 100% [1]			2,66	2,79	2,63
SEER [2]			**3,89**	**3,88**	**3,89**
ηsc [2]			153,00	152,00	153,00
Heating capacity [3]		kW	88,10	101,00	119,10
Input power heating [3]		kW	33,75	38,40	45,46
SCOP [4]			**3,26**	**3,31**	**3,35**
ηsh [4]			128,00	129,00	131,00
Startup type			Direct	Direct	Direct
Maximum operating current		A	77,90	86,00	102,00
Startup current w/o softstarter / w softstarter		A	264,90 / 127,30	311,96 / 145,76	349,96 / 182,56
Sound power level (w standard fans)		dB(A)	83,0	83,0	83,0
Sound pressure level (w standard fans) [5]		dB(A)	50,8	50,8	50,8
Dimensions (w standard fans) w/o buffer tank	H x W x D	mm	2286 x 2180 x 1160	2286 x 2180 x 1160	2286 x 2180 x 1160
Dimensions (w standard fans) w buffer tank	H x W x D	mm	2286 x 2680 x 1160	2286 x 2680 x 1160	2286 x 2680 x 1160
Weight (w 1 pump) w/o buffer tank		kg	790	900	920
Weight (w 1 pump) w buffer tank		kg	950	1060	1080
Refrigerant (R410A)		kg	22,0	32,3	33,0
Number of refrigerant circuit			1	1	1
Compressors					
Number			2	2	2
Type			Scroll	Scroll	Scroll
Part load step		%	0 / 45 / 55 / 100	0 / 38 / 62 / 100	0 / 33 / 67 / 100
Crankcase heater		W	66 / 82	66 / 95	66 / 95
Evaporator					
Number			1	1	1
Type			Plate	Plate	Plate
Nominal water flow (cooling)		m^3/h	15,73	18,25	20,95
Water pressure drop (cooling)		kPa	26	34	45
Water volume		l	10,80	10,80	10,80
Antifreeze heater		W	2x30	2x30	2x30
Coils					
Number			2	2	2
Frontal surface		m^2	6,4	6,4	6,4
Number of rows			2	3	3
Fans standard					
Number			2	2	2
Airflow		m^3/h	21000	21000	21000
Rotation speed		r.p.m.	790	790	790
Power input (each fan)		W	1650	1650	1650
Water connections					
Type			Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Inlet - diameter		Inch	2 1/2	2 1/2	2 1/2
Outlet - diameter		Inch	2 1/2	2 1/2	2 1/2

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallepiped shape.
* w: with, w/o: without.

Accessories	
PAW-SYSREMKIT	Remote Control

Accessories	
PAW-SYSSOV3	Shut off valves kit for model 90 - 125

HIGH SEER 3,89 | HIGH SCOP 3,35 | ErP | BLUEFIN | ULTIMATE CUSTOMISATION | AUTOMATIC FAN | -17°C HEATING MODE | 50°C COOLING MODE | CLOUD | BMS CONNECTIVITY

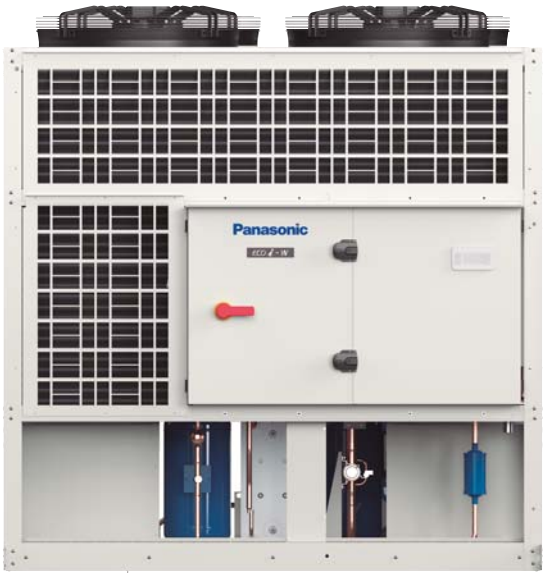
Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

U - 140/150/170/190/210 CW

Cooling capacity: 125,4 to 195,4kW
Heating capacity: 143,7 to 217,6kW

NEW 2019

Heat pump chiller series with powerful operation by 4 scroll compressors.
Maximum water outlet temperature in heating is up to 55°C [1]. Defrost limiting design ensures to provide stable hot water even at low ambient conditions.



R410A

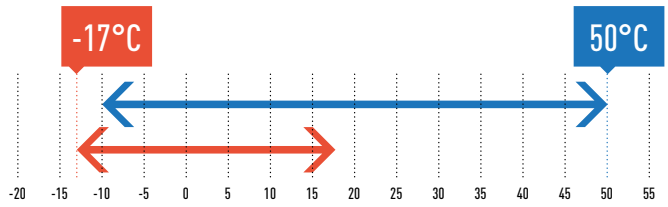
EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

- Smart defrost:
  Defrost limiting design to ensure a constant water outlet temperature even at very low temperatures

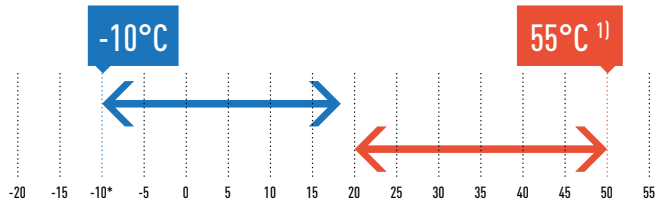
1 DEFROST CYCLE EVERY 130 MINUTES.	Heating Capacity: +22% Integrated COP: +15% Improve SCOP Class

- High seasonal efficiency in cooling and heating
- Eurovent certified
- Ambient temperature operation range: -10 - +50°C in cooling, -17 - +20°C in heating
- Water outlet temperature range: -10 - +18°C in cooling, +20 - +55°C [1] in heating
- Super quiet operation
- Victaulic water connections
- Optimized design for service and maintenance
- Simple user friendly control as standard
- Cloud control as standard
- Modbus RTU as standard
- Modbus TCP/IP as standard

Ambient temperature.



Water outlet temperature.



Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).
* With glycol 45%, 5°C without glycol.

Technical focus

- Chiller type: Heat pump
- Compressor type (number of compressors): Scroll compressors (4)
- Refrigeration type: R410
- Refrigerant circuit: 2
- Fan type (number of fans): Axial fan (4)
- Heat exchanger: Stainless Steel Plate Heat exchanger
- Flow switch, Water safety & Air purge valves included
- Water filter included (Mandatory site installation required)
- Night Mode setting to save energy and reduce noise level
- Water compensation curve control
- Optional Hydraulic Kit
- Optional gauges
- Optional BACnet

1) Please contact an authorized Panasonic dealer in the case of condition > 50°C.

Available options

Options				
Pump	**Pump drive**	**Hydraulic options**	**Ambient options**	**Misc. options**
Single Pump Low Pressure	Variable speed	Low water pressure sensor	Finned coil treatment - epoxy	Soft Starter
Single Pump High Pressure	Variable capacity	Water isolation valves	Outdoor coil protection grid	Power supply w/o neutral
Double Pump Low Pressure	Constant outlet pressure	Hydraulic gauges	Rubber pads	Cloud connection (standard)
Double Pump High Pressure	Constant differential pressure		Spring damper	Modbus TCP/IP
			All seasons fan control	BACnet MSTP
			Nordic pack	BACnet IP
			High pressure fan	Refrigerant gauge

The detail information on page 23.

PAW-SYSREMKIT
Optional Remote Control.

Model			**140**	**150**	**170**	**190**	**210**
Standard without buffer tank			**U-140CWNB**	**U-150CWNB**	**U-170CWNB**	**U-190CWNB**	**U-210CWNB**
With buffer tank			**U-140CWBL**	**U-150CWBL**	**U-170CWBL**	**U-190CWBL**	**U-210CWBL**
Power supply	Voltage	V	400	400	400	400	400
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50
Cooling capacity [1]		kW	125,40	137,60	150,90	175,80	195,40
Input power cooling [1]		kW	43,55	47,77	52,73	64,83	72,54
Total EER 100% [1]			2,88	2,88	2,86	2,71	2,69
SEER [2]			**3,87**	**3,87**	**3,91**	**3,69**	**3,68**
ηsc [2]			152,00	152,00	153,00	145,00	144,00
Heating capacity [3]		kW	143,70	153,70	170,10	194,90	217,60
Input power heating [3]		kW	45,80	50,20	55,40	67,50	78,30
SCOP [4]			**3,32**	**3,36**	**3,31**	**3,29**	**3,23**
ηsh [4]			138,00	145,00	165,00	185,00	195,00
Startup type			Direct	Direct	Direct	Direct	Direct
Maximum operating current		A	108,00	119,00	136,00	153,00	170,00
Startup current w/o softstarter / w softstarter		A	251,00 / 130,00	262,00 / 141,00	324,00 / 161,00	341,00 / 178,00	396,00 / 201,00
Sound power level (w standard fans)		dB(A)	85,4	85,4	87,0	88,1	88,1
Sound pressure level (w standard fans) [5]		dB(A)	53,4	53,4	55,0	56,1	56,1
Dimensions (w standard fans) w/o buffer tank	H x W x D	mm	2295 x 2856 x 2210	2295 x 2856 x 2210	2321 x 2856 x 2210	2321 x 2856 x 2210	2321 x 2856 x 2210
Dimensions (w standard fans) w buffer tank	H x W x D	mm	2295 x 3666 x 2210	2295 x 3666 x 2210	2321 x 3666 x 2210	2321 x 3666 x 2210	2321 x 3666 x 2210
Weight (w 1 low Pa pump) w/o buffer tank		kg	1512	1515	1605	1677	1937
Weight (w 1 low Pa pump) w buffer tank		kg	1644	1647	1737	1809	2069
Refrigerant (R410A)		kg	2x24,7	2x24,7	24,7/33,3	2x33,3	2,33,3
Number of refrigerant circuit			2	2	2	2	2
Compressors							
Number			4	4	4	4	4
Type			Scroll	Scroll	Scroll	Scroll	Scroll
Part load step		%	0 / 24 / 26 / 48 / 50 / 52 / 74 / 76 / 100	0 / 23 / 27 / 46 / 50 / 54 / 73 / 77 / 100	0 / 20 / 24 / 44 / 45 / 55 / 69 / 80 / 100	0 / 22 / 28 / 44 / 50 / 56 / 72 / 78 / 100	0 / 19 / 31 / 38 / 50 / 62 / 69 / 81 / 100
Crankcase heater		W	4x66	4x66	3x66 / 82	2x82 / 2x66	2x95 / 2x66
Evaporator							
Number			1	1	1	1	1
Type			Plate	Plate	Plate	Plate	Plate
Nominal water flow (cooling)		m³/h	21,56	23,65	25,95	30,24	33,62
Water pressure drop (cooling)		kPa	33	39	24	32	40
Water volume		l	8,49	8,49	12,21	12,21	12,21
Antifreeze heater		W	60	60	120	120	120
Coils							
Number			4	4	4	4	4
Frontal surface		m²	11,88	11,88	11,88	11,88	11,88
Number of rows			2 + 2	2 + 2	2 + 3	3 + 3	3 + 3
Fans standard							
Number			4	4	4	4	4
Airflow		m³/h	56000	56000	71000	86000	83000
Rotation speed		r.p.m.	900	900	900	900	900
Power input (each fan)		W	940	940	940 - 1650	1650	1650
Water connections							
Type			Victaulic	Victaulic	Victaulic	Victaulic	Victaulic
Inlet - diameter		Inch	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Outlet - diameter		Inch	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallepiped shape.
* w: with, w/o: without.

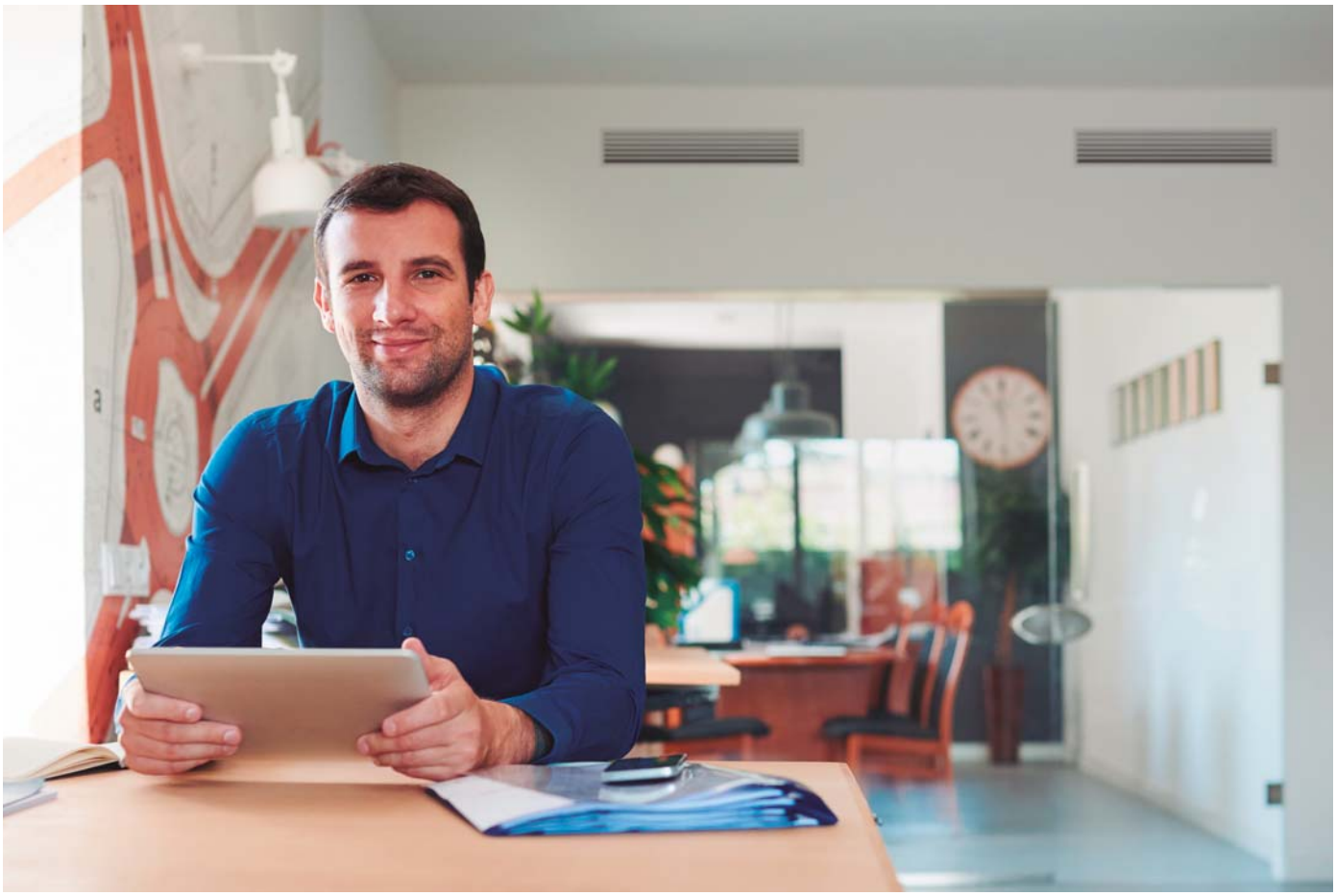
Accessories	
PAW-SYSREMKIT	Remote Control

Accessories	
PAW-SYSVICTH	Victaulic connection kit for model 140 - 210

HIGH SEER 3,91 | HIGH SCOP 3,36 | ErP | SUPER QUIET | BLUEFIN | AUTOMATIC FAN | ULTIMATE CUSTOMISATION | -17°C HEATING MODE | 50°C COOLING MODE | DEFROST LIMITING | CLOUD | BMS CONNECTIVITY

Rating Conditions: Cooling Indoor 27°C DB / 19°C WB. Cooling Outdoor 35°C DB / 24°C WB. Heating Indoor 20°C DB. Heating Outdoor 7°C DB / 6°C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

CONTROL



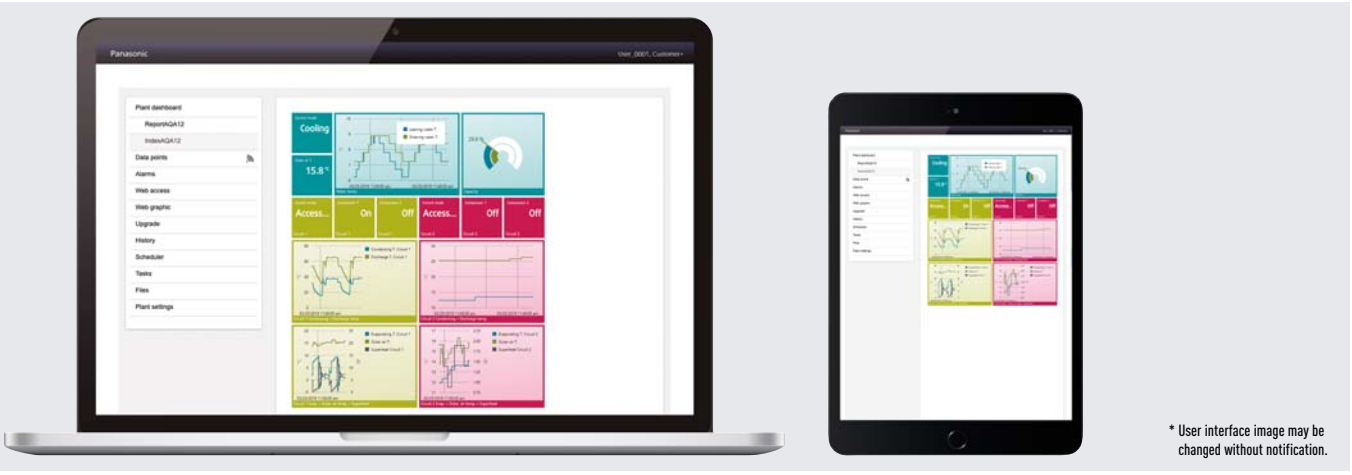
SIMPLE USER FRIENDLY CONTROL

A control panel with intuitive design is equipped on all ECOi-W systems as standard.
The a microprocessor based control has a new IHM logic and implements a smart handling for your demand.

Main features

Basic operation	ON/OFF setting
	Cooling / Heating mode setting
Energy Saving	Intelligent logic control for inlet water temperature
	Night setback operation to reduce electrical consumption and noise
	Part load operating mode
	Maximum discharge temperature control
Service / Maintenance	Automatic Test operation at the push of a button
	Alarm notice with the latest 10 alarms
	Counter for operating hours of compressor and pump
	Compressor operating limits saved in a flash memory
Others	BMS compatible (RS485 ModBus RTU or BacNet MSTP protocol)

CLOUD



* User interface image may be changed without notification.

CLOUD CONTROL

Cloud control is available as standard in the size between 140 and 210*. This cloud control ensures your business promised from wherever you are, 24/07/365.

* Cloud access fee is required. Please contact an authorized Panasonic dealer for the detail information.

Flexible solution for your business.

Every time

Everywhere

Multiplatform

Internet browser

Scalable solution for your business.

Small to large

1 to multi sites

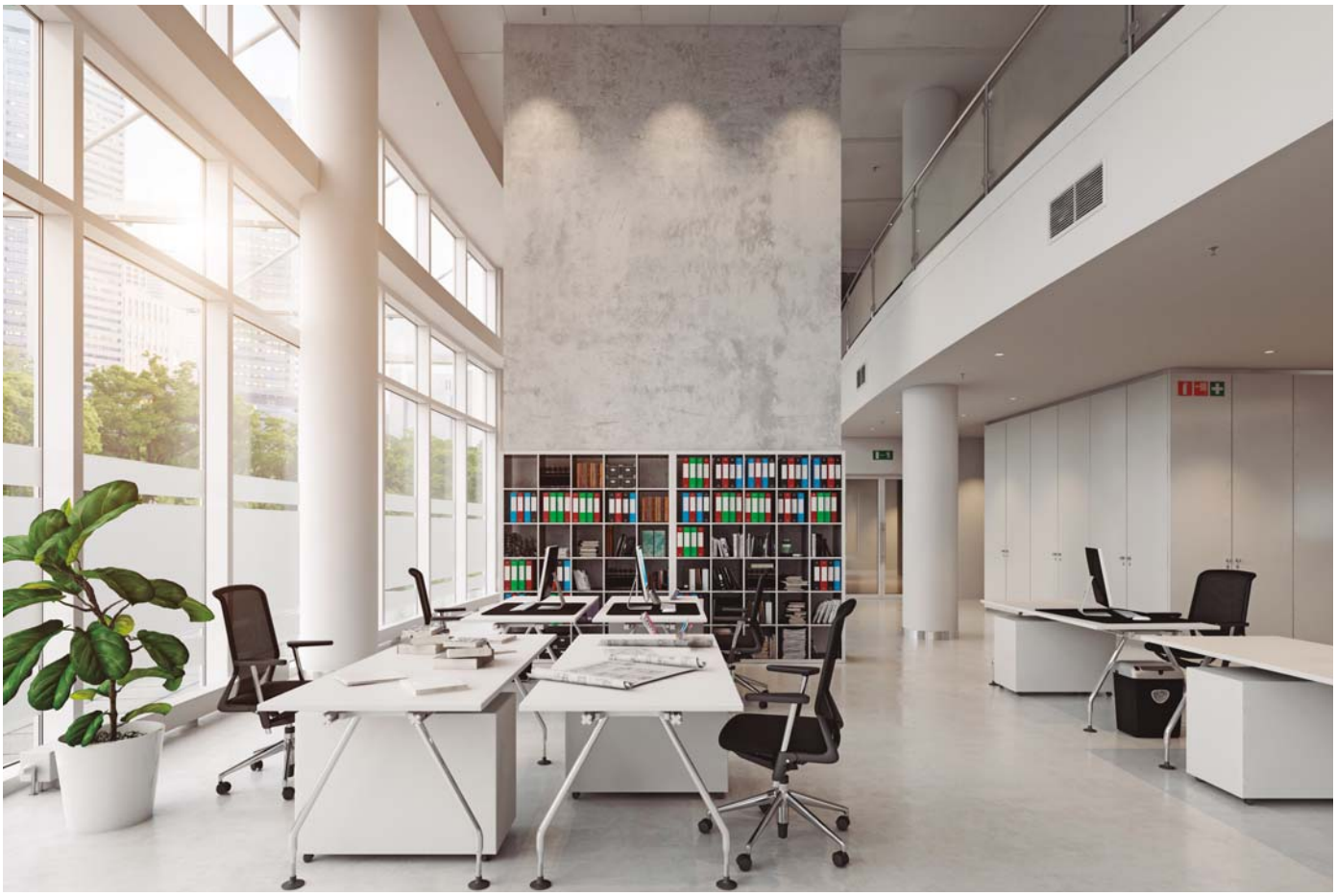
Decrease your energy consumption & Optimize your maintenance interventions!

Adjust precisely your units' settings thanks to a relevant and real-time energy consumption analysis.
With one click, watch the operating state of your units, anticipate the dysfunctions and reduce your interventions on site.

Main features

Basic operation	Precise and visualized temperature data
	Set point adjustment
	Schedule timer setting
Energy Saving	Energy consumption monitoring
	Diagnosis
Service / Maintenance	Alarms notification
	Units location with a map view
Security	Different access levels

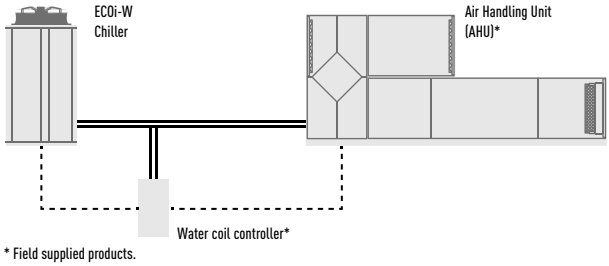
FAN COILS APPLICATION WITH ECOi-W HEAT PUMP CHILLER SYSTEM



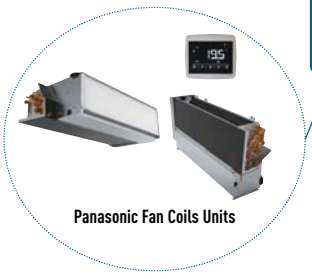
For the optimized comfort, ECOi-W series can be integrated Fan Coils.

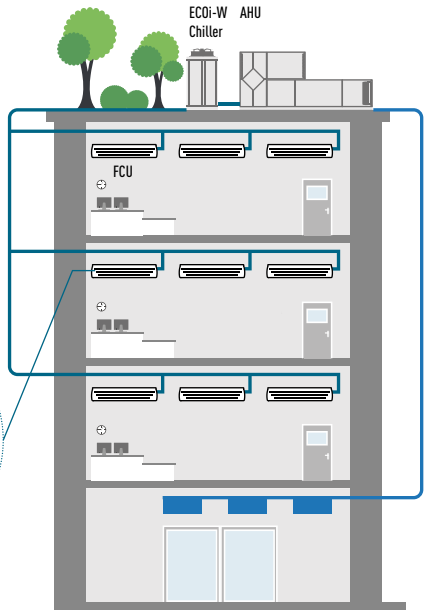
Panasonic Fan Coils

Easy to install, improved sound level and performance.
Quiet & comfort operation.
Cooling capacity 1,0 to 15kW. Heating capacity: 1,5 to 20kW.



* Field supplied products.





Technical focus

- Innovation for an optimum comfort
- Low energy consumption fan
- Quality and efficient Coil
- Flexible vertical - horizontal installation

Fan Coil controller PAW-FC-RC1 features:

- Room thermostat
- 3 outputs, 230V relays for fan control
- 2 outputs, 230V relays for heating / cooling control
- Modbus RTU slave
- 1 DI for presses detection (key card switch)
- 1 AI for sensor

NEW 2019

PAW-FC-303TC
Optional Controller.
Wired remote controller.

PAW-FC-RC1
Optional Controller.
Wired remote controller.

			Compact units								High Static Pressure
Left side connection			**PAW-FC-D11-1**	**PAW-FC-D15-1**	**PAW-FC-D24-1**	**PAW-FC-D28-1**	**PAW-FC-D40-1**	**PAW-FC-D55-1**	**PAW-FC-D65-1**	**PAW-FC-D90-1**	**PAW-FC-H150**
Right side connection			**PAW-FC-D11-1-R**	**PAW-FC-D15-1-R**	**PAW-FC-D24-1-R**	**PAW-FC-D28-1-R**	**PAW-FC-D40-1-R**	**PAW-FC-D55-1-R**	**PAW-FC-D65-1-R**	**PAW-FC-D90-1-R**	**PAW-FC-H150-R**
Total cooling capacity [1]	Med/S-Hi	kW	1,0/1,5	1,2/1,7	2,0/2,5	2,4/3,2	3,2/4,2	4,6/5,8	6,1/7,3	6,1/8,1	11,9/14,8
Sensible cooling capacity [1]	Med/S-Hi	kW	0,8/1,1	0,9/1,3	1,5/1,9	1,8/2,3	2,2/3,3	3,3/4,5	4,3/5,1	4,6/6,3	9,6/12,9
Heating capacity (Hot water: 50-45°C) [1]	Med/S-Hi	kW	1,4/2,0	1,5/2,2	2,4/3,1	2,9/4,0	4,1/5,7	5,3/7,1	7,9/9,3	8,1/11,6	14,9/19,9
Heating capacity (Hot water: 45-40°C) [2]	Med/S-Hi	kW	1,2/1,7	1,3/1,9	2,0/2,6	2,4/3,4	3,5/4,8	4,4/5,9	6,6/7,8	6,8/9,9	12,0/15,5
Power consumption	S-Lo/Med/S-Hi	W	13/24/36	10/18/29	16/37/45	15/37/56	28/55/72	37/75/105	53/100/147	90/112/188	180/421/675
Fuse rating		A	2	2	2	2	2	2	2	2	6
Dimensions (including pan and electrical box)	H x W x D	mm	220x570x430	220x570x430	220x753x430	220x938x430	220x1122x430	220x1307x430	220x1121x530	220x1316x530	356x1600x798
Weight (without water content)		kg	13	13	15	20	22	26	27	38	63
Sound power global	S-Lo/Med/S-Hi	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	38/46/56	38/51/58	43/56/61	50/55/64	52/64/71
Sound pressure global	S-Lo/Med/S-Hi	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52	41/46/55	31/45/51
Static pressure [3]	Max	Pa	30	30	50	50	70	70	70	70	110
Airflow [1]	Med/S-Hi	m³/h	190/283	179/265	274/390	357/499	486/716	640/933	893/1064	936/1397	2112/3176
Water pressure drop	Med/S-Hi	kPa	19,5/39,2	3,9/6,3	19,3/28,8	17,1/28	22,8/46,9	37,4/60,2	15,4/21,5	19,3/32,5	19,9/26,1
Fan speeds			3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds
Fan motor and total speeds			AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds
Drain pan and Air filter			Included	Included	Included	Included	Included	Included	Included	Included	Included
Water connections		Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1

Accessories	
PAW-FC-RC1	Advanced wired control for Fan Coil
PAW-FC-303TC	Wired remote controller
PAW-FC-2WY-11/55-1	2 way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)
PAW-FC-2WY-65/90-1	2 way valve + drain pan (for PAW-FC-D65/90-1)

Accessories	
PAW-FC-2WY-150	2 way valve (for PAW-FC-H150)
PAW-FC-3WY-11/55-1	3 way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)
PAW-FC-3WY-65/90-1	3 way valve + drain pan (for PAW-FC-D65/90-1)
PAW-FC-3WY-150	3 way valve (for PAW-FC-H150)

1) Airflow and capacity at 0Pa of static pressure. * Performances based on: Cooling: Air: 27°C DB / 19°C WB, Chilled water: 7°C / 12°C - Heating: Air: 20°C DB, Hot water: 50°C / 45°C. 2) Airflow and capacity at 0Pa of static pressure. * Performances based on: Cooling: Air: 27°C DB / 19°C WB, Chilled water: 7°C / 12°C - Heating: Air: 20°C DB, Hot water: 45°C / 40°C. 3) Airflow and capacity may vary at different values of static pressure.

MODEL REFERENCING AND OPTIONS

Options table 20 - 125

Option	Type	Ref.	Description	Model											
1	Capacity			20	25	30	35	40	45	55	65	75	90	105	125
2	Refrigerant & Compressor Type	W	R410A Fixed Speed	•	•	•	•	•	•	•	•	•	•	•	•
3	Buffer Tank Option	NB	No Buffer	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
		BS	Buffer tank (Small)	•	•	•	•	•							
		BM	Buffer tank (Medium)						•	•	•	•	•	•	•
4	Pump Option		No Pump	•	•	•	•	•	Std	Std	Std	Std	Std	Std	Std
			Single Pump	Std	Std	Std	Std	Std	•	•	•	•	•	•	•
			Double Pump						•	•	•	•	•	•	•
5	Pump Drive Option		Pump Drive - Fixed Speed *	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Pump Drive - Variable Speed (Single Pump)	•	•	•	•	•	•	•	•	•	•	•	•
			Pump Drive - Variable Speed (Double Pump)						•	•	•	•	•	•	•
			Pump Drive - Variable Capacity (Single Pump)	•	•	•	•	•	•	•	•	•	•	•	•
			Pump Drive - Variable Capacity (Double Pump)						•	•	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Single Pump)	•	•	•	•	•	•	•	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Double Pump)						•	•	•	•	•	•	•
			Pump Drive - Constant Differential Pressure (Single Pump) **	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
6	Hydraulic options		No Hydraulic Option	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Low water pressure sensor	•	•	•	•	•	•	•	•	•	•	•	•
			Water isolation valves	•	•	•	•	•	•	•	•	•	•	•	•
			Electric Heater - Low Power						•	•	•	•	•	•	•
			Electric Heater - High Power						•	•	•	•	•	•	•
7	Ambient Options		No Ambient Options	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Finned coil treatment - epoxy	•	•	•	•	•	•	•	•	•	•	•	•
			Outdoor coil protection grid	•	•	•	•	•	•	•	•	•	•	•	•
			Rubber pads	•	•	•	•	•	•	•	•	•	•	•	•
			Spring damper	•	•	•	•	•	•	•	•	•	•	•	•
			All seasons	•	•	•	•	•	•	•	•	•	•	•	•
			Nordic pack ***	•	•	•	•	•							
			Low noise	Std	Std	Std	Std	Std	•	•	•	•	•	•	•
			High pressure fan ****		•	•	•	•	•	•	•	•	•	•	•
8	Misc. Options		No Miscellaneous Options	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Soft Starter	•	•	•	•	•	•	•	•	•	•	•	•
			Power supply w/o neutral *****	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Cloud Connection	•	•	•	•	•	•	•	•	•	•	•	•
			Standard BMS Option (Modbus RTU)	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Modbus TCP/IP	•	•	•	•	•	•	•	•	•	•	•	•
			Bacnet MSTP	•	•	•	•	•	•	•	•	•	•	•	•
			Bacnet IP	•	•	•	•	•	•	•	•	•	•	•	•
			Container transport						•	•	•	•	•	•	•
			Refrigerant gauge						•	•	•	•	•	•	•

* Fixed Speed Pump Drive is standard when selecting a pump. Please select alternative pump drive if required.
** Constant Differential Pump Drive option is only available on a special order and requires additional production time. Please contact your local sales representative.
*** The Nordic Pack is not required on models 45 - 125 due to model design.
**** High Pressure Fan is not available on Model 20 due to body design.
***** Power Supply without Neutral is only available on a special order and requires additional production time. Please contact your local sales representative.

Options table 140 - 210

Option	Type	Ref.	Description	Model				
1	Capacity			140	150	170	190	210
2	Refrigerant & Compressor Type	W	R410A Fixed Speed	•	•	•	•	•
3	Buffer Tank Option	NB	No Buffer	Std	Std	Std	Std	Std
		BL	Buffer tank (Large)	•	•	•	•	•
4	Pump Option		No Pump	•	•	•	•	•
			Single Pump Low Pressure	•	•	•	•	•
			Single Pump High Pressure	•	•	•	•	•
			Double Pump Low Pressure	•	•	•	•	•
			Double Pump High Pressure	•	•	•	•	•
5	Pump Drive Option		Pump Drive - Fixed Speed *	Std	Std	Std	Std	Std
			Pump Drive - Variable Speed (Single Pump)	•	•	•	•	•
			Pump Drive - Variable Speed (Double Pump)	•	•	•	•	•
			Pump Drive - Variable Capacity (Single Pump)	•	•	•	•	•
			Pump Drive - Variable Capacity (Double Pump)	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Single Pump)	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Double Pump)	•	•	•	•	•
			Pump Drive - Constant Differential Pressure (Single Pump) **	SO	SO	SO	SO	SO
			Pump Drive - Constant Differential Pressure (Double Pump) **	SO	SO	SO	SO	SO
6	Hydraulic options		No Hydraulic Option	Std	Std	Std	Std	Std
			Low water pressure sensor	•	•	•	•	•
			Water isolation valves	•	•	•	•	•
			Hydraulic Gauges	•	•	•	•	•
7	Ambient Options		No Ambient Options	Std	Std	Std	Std	Std
			Finned coil treatment - epoxy	•	•	•	•	•
			Outdoor coil protection grid	•	•	•	•	•
			Rubber pads	•	•	•	•	•
			Spring damper	•	•	•	•	•
			All seasons	•	•	•	•	•
			Nordic pack	•	•	•	•	•
			Low noise	Std	Std	Std	Std	Std
			High pressure fan	•	•	•	•	•
8	Misc. Options		No Miscellaneous Options	Std	Std	Std	Std	Std
			Soft Starter	•	•	•	•	•
			Power supply w/o neutral	•	•	•	•	•
			Cloud Connection	Std	Std	Std	Std	Std
			Standard BMS Option (Modbus RTU)	Std	Std	Std	Std	Std
			Modbus TCP/IP	•	•	•	•	•
			Bacnet MSTP	•	•	•	•	•
			Bacnet IP	•	•	•	•	•
			Refrigerant gauge	•	•	•	•	•

* Fixed Speed Pump Drive is standard when selecting a pump. Please select alternative pump drive if required.
** Constant Differential Pump Drive options are only available on a special order and requires additional production time. Please contact your local sales representative.

PANASONIC CONDENSING UNITS WITH NATURAL REFRIGERANT

Panasonic's CR Series of CO_2 condensing units provide the ideal solution for supermarkets, convenience stores and gas stations. Keeping food always fresh at right temperature in showcases or cold rooms is a very critical point. And one of the biggest challenges for those retailers has been the expensive effects of refrigeration breakdowns which can result in costly product wastage.

Natural refrigerant CO_2.

CO_2 is a very attractive refrigerant from an environmental perspective. Zero ODP and "GWP" (Global Warming Potential)=1 means natural substance in the atmosphere.
Panasonic is now able to provide a solution in Europe with CO_2 refrigeration systems to prevent global warming and to support environment-friendly retail operations.

CO_2 Condensing units CR Series by trusted technology.

CR Series are made in Japan with an excellent quality control established by skilled factory team. CO_2 2-stage compression rotary compressor by Panasonic is designed to compress refrigerants twice, it reduces load in operation by half compared with 1-stage refrigerant compression and delivers better durability and reliability.
The environmentally friendly and reliable solution for convenience stores, supermarket, gas stations and cold rooms.

New CR Series LT/MT Line up.

Panasonic has introduced new model (1000VF8A) offering both Medium temperature and Low temperature options.
An enlarged 12L tank in this new model helps installers by making wider tolerance from optimum charge.

Save installation time with Plug & Play kit.

To ensure a quick and easy install of the product, Panasonic has designed a one box solution that includes the condensing unit, a panel pre-programmed controller, electronic expansion and all required sensors in addition to providing easy to understand instructions.

Modbus compatibility with monitoring system.

Panasonic CO_2 condensing units can be supervised by major monitoring system such as CAREL, Eliwell and Danfoss. Monitoring system ensures the recording, monitoring and reporting of temperature conditions etc. of entire CO_2 condensing units system at shops.

CHOOSE THE GREEN SOLUTION BY PANASONIC

Why CO_2?: Natural refrigerant

EU F-Gas Regulation is a key priority for European countries. It ensures compliance with the Kigali Amendment supporting international climate commitments on greenhouse gases and leading the global transition to climate-friendly HFC-free technologies.
Carbon dioxide (R–744) is regaining its place in the refrigeration world. Driven by environmental concerns, legislation is requiring increased adoption of 'alternative' refrigerants, of which CO_2 is one.

The following table shows how well R744 (CO_2) performs regarding environmental impact and safety.

ODP (Ozone Depletion Potential) = 0 - GWP (Global Warming Potential) = 1					
	Next generation refrigerant			Current refrigerant	
	CO_2	Ammonia	Isobutane	R410A	R404A
ODP	**0**	0	0	0	0
GWP	**1**	0	4	2090	3920
Flammability	**Non flammable**	Light flammable	Flammable	Non flammable	Non flammable
Toxicity	**No**	Yes	No	No	No

CO_2 transcritical condensing units CR Series

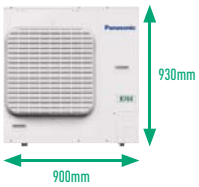
- Set-points at medium or low temperature available depending on applications
- High COP at high ambient temperature thanks to Panasonic's 2-stage compression CO_2 rotary compressor
- Compact and extremely quiet
- Transfer Pressure control for stable expansion valve control in showcases (1000VF8 and 1000VF8A models only)

* SEPR values has been tested at 3-part laboratory.

CR Series	Low temperature	Medium temperature	ET (Evaporation Temperature) Set points range
OCU-CR200VF5	✔	✔	-45 ~ -5°C
OCU-CR1000VF8	–	✔	-20 ~ -5°C
OCU-CR1000VF8A	✔	✔	-45 ~ -5°C

MT/LT TYPE
200VF5
4kW / 2kW

3,83
SEPR COOLING*
1,92
SEPR FREEZING*



MT TYPE
1000VF8
15kW

MT/LT TYPE
1000VF8A
16kW / 8kW

NEW
2019

New line up (1000VF8A)

Both MT and LT options.
Maximum cooling capacity.
MT: Up to 16kW.
LT: Up to 8kW.

Up scales tank 7L to 12L.
This 12L tank keeps inside extra amount of refrigerant when the system stops.
Also helping installers by making wider tolerance from optimum charge.

Saving installation time with Plug & Play kit

To ensure a quick and easy install of the product, Panasonic has designed a one box solution that includes the condensing unit, a panel pre-programmed controller, electronic expansion and all required sensors in addition to providing easy to understand instructions.

Plug & Play kit

Model code: PAW-CO2-PANEL

Modbus compatible with monitoring system

Panasonic CO_2 condensing unit CR Series can be supervised by major monitoring system such as CAREL, Eliwell and Danfoss. Monitoring system ensures the recording, monitoring and reporting of temperature conditions etc... of entire CO_2 condensing units system at shops.

Monitoring system		
CAREL	Danfoss	eliwell by Schneider Electric
Standard boss & boss-mini	AK-SM Series	TelevisGo

MT / LT MT MT / LT

CO_2 Condensing units

Type (MT: Medium temp. LT: Low temp.)			MT (4kW) / LT (2kW)				MT (15kW)				MT(16kW) / LT (8kW)			
Model			**OCU-CR200VF5**		**OCU-CR200VF5SL**		**OCU-CR1000VF8**		**OCU-CR1000VF8SL**		**OCU-CR1000VF8A**		**OCU-CR1000VF8ASL**	
Anti corrosion coating			No		Yes		No		Yes		No		Yes	
Power supply	Voltage	V	220/230/240				380/400/415				380/400/415			
	Phase		Single Phase				Three Phase				Three Phase			
	Frequency	Hz	50				50				50			
Cooling capacity at ET -10°C AT 32°C		kW	3,70				14,00				15,10			
Cooling capacity at ET -35°C AT 32°C		kW	1,80				N/A				8,00			
Evaporator connection			Multiple [1]				Multiple				Multiple			
Evaporation temperature	Min ~ Max	°C	-45~-5				-20~-5				-45~-5			
Ambient temperature	Min ~ Max	°C	-15~+43				-15~+43				-15~+43			
Refrigerant			R744				R744				R744			
Design pressure liquid line		Mpa	12				8				8			
Design pressure suction line		Mpa	8				8				8			
User system external alarm. Digital input. Non-voltage contact			Yes				Yes				Yes			
Liquid tube electromagnetic valve		Vac	220/230/240				220/230/240				220/230/240			
Showcase operation ON/OFF signal. Digital input. Non-voltage contact			Yes				Yes				Yes			
Modbus communication line (RS485)		Ports	2				2				2			
Compressor type			2- stage rotary				2- stage rotary				2- stage rotary			
Dimension	H x W x D	mm	930x900x437				1941x890x890				1941x890x890			
Net weight		Kg	70				293				320			
Piping connections	Suction pipe	Inch (mm)	3/8(9,52)				3/4(19,05)				3/4(19,05)			
	Liquid pipe	Inch (mm)	1/4(6,35)				5/8(15,88)				5/8(15,88)			
Length of connection piping		m	25				100 [2]				100 [2]			
Standard performance	Ambient temperature	°C	32				32				32			
	Evaporating temperature	°C	-10	-35	-10	-35	-10	-35	-10	-35	-10	-35	-10	-35
	Cooling capacity	kW	3,70	1,80	3,70	1,80	14,00	—	14,00	—	15,10	8,00	15,10	8,00
	Power consumption	kW	1,79	1,65	1,79	1,65	8,20	—	8,20	—	N/A	N/A	N/A	N/A
	Nominal load ampere	A	7,94	7,26	7,94	7,26	12,60	—	12,60	—	N/A	N/A	N/A	N/A
	Sound pressure level	dB(A)	35,5 [3]	35,5 [3]	35,5 [3]	35,5 [3]	36,0 [4]	—	36,0 [4]	—	36,0 [4]	36,0 [4]	36,0 [4]	36,0 [4]
Air volume		m^3/min	54				220				220			
External static pressure		Pa	17				58				58			
Necessary accessories														
Tube connector adaptor for vacuum and service		**SPK-TU125**	Yes [5]				Yes [5]				Yes [5]			
Drier filter liquid line, diameter 6,35mm		**D-152T**	Yes [6]				—				—			
Drier filter liquid line, diameter 15,88mm		**D-155T**	—				Yes [6]				Yes [6]			
Suction filter, diameter 19,05mm (outer diameter welding)		**S-008T**	—				Yes [5]				Yes [6]			

Accessories	
PAW-CO2-PANEL	Room and superheat control including both Panel + expansion valve
SPK-TU125	Tube connector adaptor for vacuum and service

Accessories	
D-152T	Drier filter liquid line, diameter 6,35mm for 4kW model
D-155T	Drier filter liquid line, diameter 15,88mm for 15kW model
S-008T	Suction filter

1) Ask salesperson if you make multiple connection. 2) PZ-68S (refrigeration oil) must be added if >50m. 3) ET-10°C, 65 S-1, 10m from product. 4) ET -10°C, 60 S-1, 10m from product. 5) Optional. Please order separately. 6) Delivered with the unit.

SPK-TU125
Tube connector adaptor for vacuum and service.

D-152T
Drier filter liquid line, diameter 6,35mm.

D-155T
Drier filter liquid line, diameter 15,88mm.

S-008T
Suction filter, diameter 19,05mm (outer diameter welding).

Energy saving

ErP 55°C

Better efficiency and Value for medium temperature applications. Energy efficiency class up to A++ in a scale from A+++ to D.

ErP 35°C

Better efficiency and Value for low temperature applications. Energy efficiency class up to A+++ in a scale from A+++ to D.

DHW

Better efficiency and Value for Domestic Hot Water. Energy efficiency class up to A+ in a scale from A+ to F.

A CLASS
WATER PUMP
AUTO SPEED

Aquarea are built-in with A class energy efficiency water pump. High efficiency circulating the water in the heating installation.

R32

Our heat pumps containing the new refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle.

38%
ECONAVI

Domestic Econavi. Sunlight Sensor technology can detect and reduce the waste of energy by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.

28%
ECONAVI

Commercial Econavi. Intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduces the waste of energy by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.

8,50 SEER

Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher SEER ratings mean greater efficiency. Save all the year while cooling!

5,10 SCOP

Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher SCOP ratings mean greater efficiency. Save all the year while heating!

INVERTER+

Inverter Plus System classification highlights the highest performing Panasonic systems.

INVERTER

The Inverter range provides greater efficiency and comfort. Provides more precise temperature control, without highs and lows, and keeps the ambient temperature constant with lower energy consumption and a significant reduction in noise and vibration levels.

R2 ROTARY COMPRESSOR

Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, it delivers high performance and efficiency.

HIGH EFFICIENCY COMPRESSOR

Compressors that operate with a wider Hz range realize a more efficient operation throughout the year. For Big PACi Series PE2.

ALL INVERTER COMPRESSORS

Multiple large-capacity all Inverter compressors (more than 14HP).Two independently controlled Inverter compressors achieve high efficiency. Redesigned components in the body provide performance improvement especially in the rated cooling condition and EER performance.

HIGH COP

High efficiency models performs higher COP than standard units and standard combinations.

High performance and healthy air

5,33
COP
HIGH PERFORMANCE

Aquarea High Performance for low consumption houses. From 3 to 16kW. For a house with low temperature radiators or under-floor heating, our high performance Aquarea HP is a good solution. *COP of 5,33 for 3kW All in One.

-20°C
CONSTANT HEATING
T-CAP

Aquarea T-CAP for extremely low temperatures. From 9 to 16kW. If the most important aspect is to maintain nominal heating capacities even at temperatures as low as -7°C or -15°C, select the Aquarea T-CAP.

65°C
OUTPUT WATER
HIGH TEMPERATURE

Aquarea HT ideal for retrofit. From 9 to 12kW. For a house with traditional high-temperature radiators, the Aquarea HT solution is the most appropriate, can work in output water temperatures of 65°C even at outdoor temperatures as low as -20°C.

DHW

With Aquarea you can also heat your domestic hot water at a very low cost with the optional hot water cylinder.

WATER FILTER WITH MAGNET

Water filter with magnet. Easy access & fast clip technology for J Generation. Water filter only for H Generation.

STOP
STOP VALVE

Water stop valve. Included on J and H Generation.

FLOW SENSOR

Water Flow Sensor. Included on J and H Generation.

nanoeX

Panasonic's latest innovation nanoe™ X helps you deodorise, inhibit certain growth of bacteria and viruses that are harmful to you and your family's general well-being.

PM2,5 FILTER

Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. This filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen.

DUST COLLECTION FILTER

Dust Collection Filter. This filter collects and retain particles suspended on the air, as result the air is cleaner in the room.

Thanks to its latest generation compressor and its twin blade fan, our outdoor unit is one of the most silent on the market. The indoor unit emits an almost imperceptible 18 dB(A).

Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. Maintains an RH* up to 10% higher than cooling operation (*RH: Relative Humidity). Ideal when sleeping with the air conditioner on.

More comfort with Aerowings. Direct airflow to ceiling to create shower cooling effect by twin flap built in indoor.

The air conditioner works in cooling only mode with an outdoor temperature of -10°C.

The air conditioner works in heat pump mode with an outdoor temperature is as low as -15°C.

The ECOi EX system works in cooling mode with performance data at outdoor temperature up to 52°C.

Summer House, this innovative function keeps the house at 8/10 or 8/15°C to avoid freezing pipes during the winter. This function is highly appreciated in summer house or week end houses.

Low Static Pressure Hide Away RAC with selectable static pressure up to 7 mmAq.

Panasonic has extended the life of its condensers with an original anti-rust coating. For Big PACi Series PE2 and ECOi EX.

Large fan provides larger airflow rate and very quiet operation at low speed. For Big PACi Series PE2.

DC Fan: Safe and precise.

Self-diagnosing function. By using electronic control valves past warnings are stored. This makes it easier to diagnose malfunctions, reducing service labour and therefore costs.

Automatic fan operation. Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low, corresponding to room sensor and maintains comfortable airflow throughout the room.

Comfortable auto-flap control. When the unit is first turned on, flap position is automatically adjusted in accordance with the cooling or heating operation.

Automatic restart function for power failure. Even when power failure occurs, preset programmed operation can be reactivated once power is resumed.

Air Sweep. The air sweep function moves the flap up and down in the air outlet, directing air in a "sweeping" motion around the room and providing comfort in every corner.

Built-in drain pump. Maximum head 50cm (or 75cm for U type) from the bottom of the unit.

The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A systems.

The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.

High connectivity

Our Aquarea Heat Pumps can be connected to an existing or new boiler for optimum comfort even at very low outdoor temperatures.

For even greater efficiency, our Aquarea Heat Pumps can be connected to photovoltaic solar panels with an optional kit.

New remote controller with full dotted 3,5" wide back light screen. Menu with 17 available languages easy to use for installer and user. Included on J and H Generation.

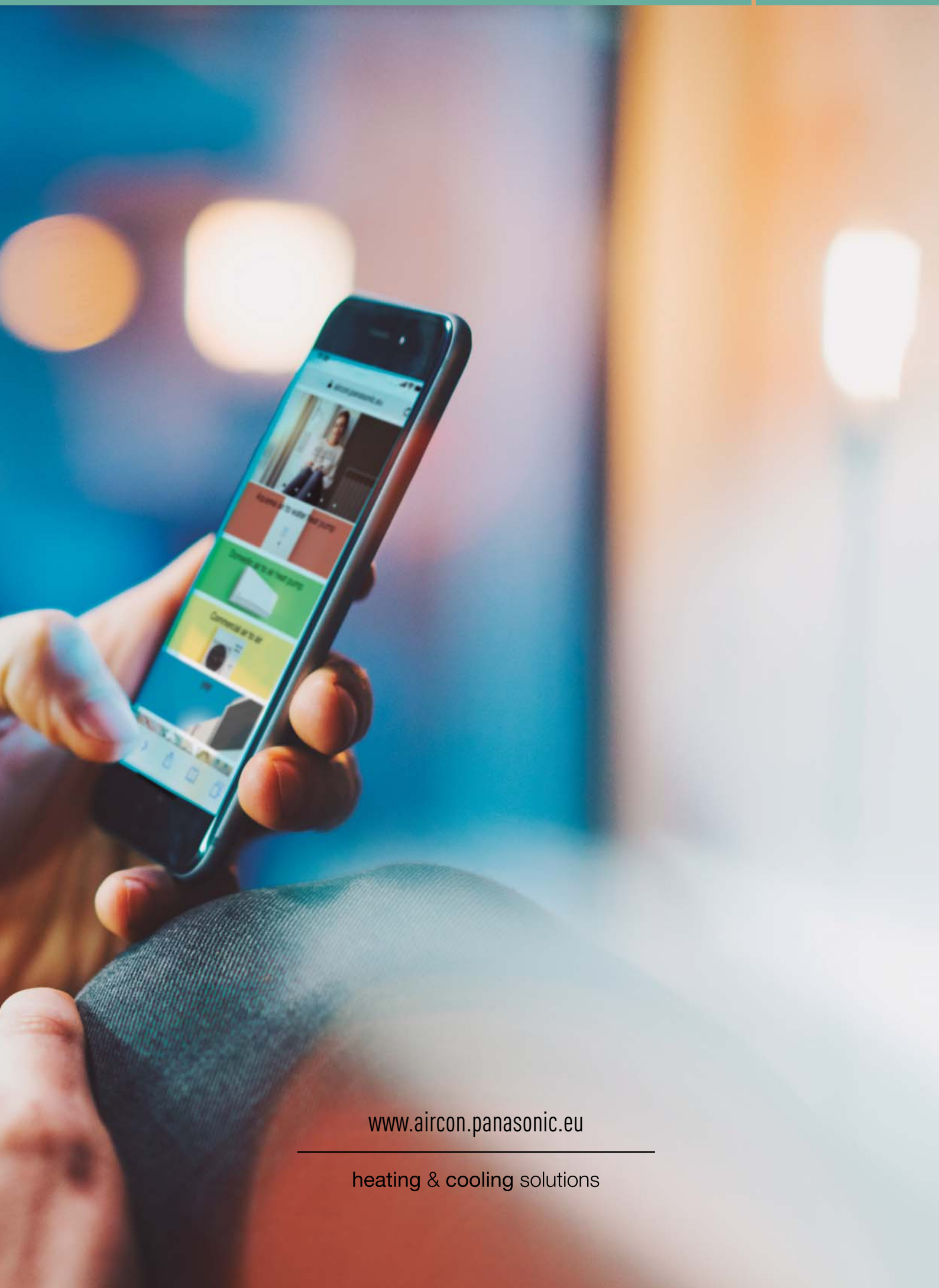
CZ-CAPRA1: CN-CNT port integration to PACi and ECOi. Split Air Conditioners integration to P-Link. Can connect ranges to P-Link. Full control is now possible.

Internet Control. Internet Control is a next generation system providing user-friendly remote controller of air conditioning or heat pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet.

The communication port can be integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

The AC Smart Cloud from Panasonic allows you to have complete control of all your installations. In a simple click, receive status updates from all your units in real-time, preventing breakdowns and optimizing costs.

Panasonic guarantees the compressors in the entire range for five years.



www.aircon.panasonic.eu

heating & cooling solutions

Service support for installers

+46 8 566 426 88

aircon_support_se@eu.panasonic.com

Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of the other refrigerant.
The outdoor units in this catalogue contains fluorinated greenhouse gases with a GWP higher than 150.

Panasonic®

To find out how Panasonic cares for you, log on to: www.aircon.panasonic.eu

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