Panasonic
BUSINESS

NORDIC HEAT PUMP

NEW PRODUCTS 2017 — 2018

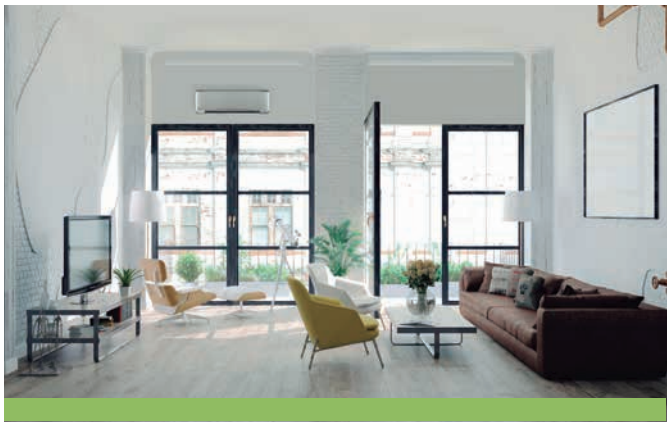
EFFICIENT SOLUTIONS 2017 / 2018

NEW PANASONIC TECHNOLOGY '17

heating & cooling solutions

ECO & SMART IDEAS FOR A SUSTAINABLE LIFESTYLE

Panasonic Green Innovation Company. We will make the environment central to all our business activities and work to realize our vision with innovations for both every day life and business.



Solar Power Generator
HIT solar cells achieve maximum output even on smaller roofs. These solar modules are 100 % emission free, have no moving parts and produce no noise.

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 – with our LED Nostalgic Clear lamp.

Home Appliances
Panasonic is globally committed to develop products which are environmentally friendly. Panasonic delivers home appliances such as refrigerators and washing machines that incorporate the latest energy-efficient technology.

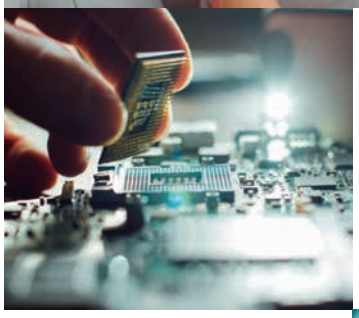
Storage Battery
The battery stores the energy generated by a combination of solar power and fuel cells to ensure a constant supply of electricity on demand.

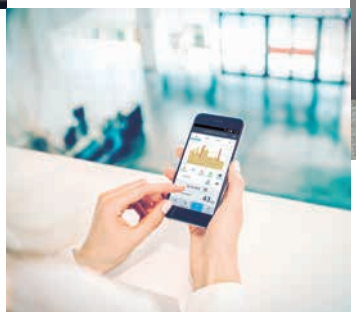
THE LAST GENERATION OF AIR CONDITIONING

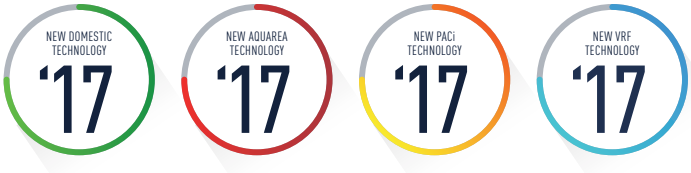
Panasonic is committed to creating a better life and a better world thanks to its breakthrough technology, continuously contributing to the evolution of society and to the happiness of people around the globe.

Constantly Improving

At Panasonic, we know that the best is always yet to come. This is why our air conditioning and heat pump solutions are constantly upgraded. We are always looking to improve our technology; finding the most efficient solutions that save our customers money.
Our Technology & Design teams anticipate the needs of tomorrow. We look to produce smaller, quieter, efficient solutions - with better technological features – that can reduce energy consumption while providing suitable temperature conditions for the user.







Look ahead to the "Future," keep taking on challenges

Starting 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.
We are aiming for now is 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 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, the strengths of our business partners who have in-depth expertise in many areas, and 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.

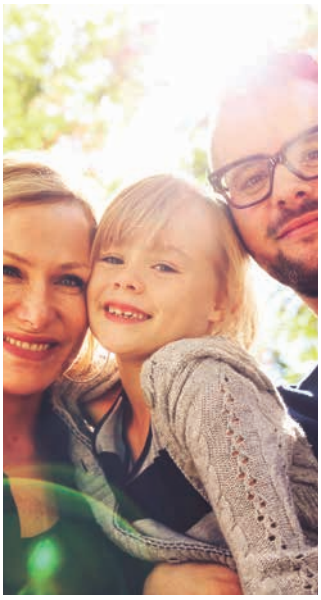
PANASONIC HEAT PUMPS TOP 3 BEST IN TEST

When choosing an Air Conditioning partner for projects, you need the confidence and the peace of mind that comes from a big brand that will ensure success from any perspective.
Panasonic Heating and Cooling Solutions has everything in its favor to fulfill your needs: their experience, their performance and savings, their quality and reliability, their extensive range of solutions, and, of course the fact that they have always been at your side. Panasonic Heating & Cooling solutions is the brand recommend by professionals.

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.

Heatcharge VZ9SKE

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.

BEST IN TEST 2016: Applies to VZ9SKE: The highest measured SCOP (energy efficiency) of all air/air heat pumps that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/

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.

BEST IN TEST 2017: Applies to All in One T-CAP 9 kW H Generation: The highest measured SCOP (energy efficiency) of all air/water heat pumps, in the corresponding category, that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/

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

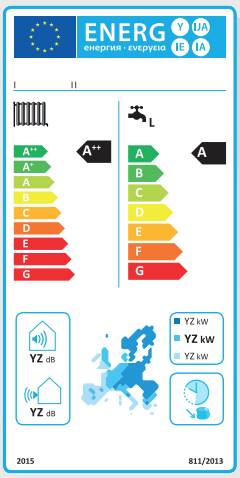
Building on the success of the ECOi VRF Designer software, this package provides air conditioning system designers, installers and dealers with a program to design and size projects for Panasonic's VRF ranges.

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 & Cooling Solutions website.



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 saving.

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.

The Director's house: The building has 740m² of living space, with an additional 460m² in the attic and basement. North of Gothenburg, Sweden. **Aquarea**

Installer and bank create green synergy. Denmark. **Aquarea**

New condominium. Bergås Terasse complex. Drammen, Norway**. ECOi / Aquarea**

Skobe Volvo with high energy savings of up to 65 %. Katrineholm, Sweden. **PACi and VRF**

Brabrand Boligforening has constructed 75 low-energy houses in Hasselager near Århus Danmark. **Aquarea**

Five low-energy houses. Norway **Aquarea**

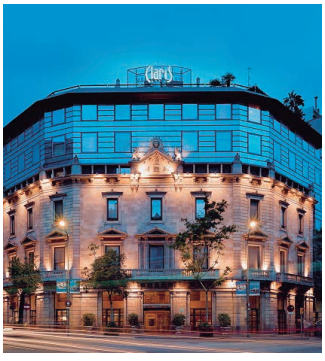
Five new terraced houses in Herlev. Herlev, Denmark. **Aquarea**

Le Centurie Centro Commerciale. 40.000 m² with 40 commercial spaces. Padua, Italy. **ECOi**

Europa-Park is the second most popular theme park resort. 300 rooms. Germany. **ECOi**

The exclusive Sunprime Atlantic View resort, owned by Thomas Cook. 220 rooms. Canary Islands. Spain. **ECO G**

Montcenis Nursing Home. Over 6.100 m² and 85 rooms. Saône et Loire, France. **ECO-G**



Hotel refurbishment. The heat recovery system is ideal for a hotel of this category. Hotel Claris 5 *. Barcelona, Spain. **ECOi**

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

WELCOME TO AQUAREA AIR TO WATER HEAT PUMP

NEW AQUAREA TECHNOLOGY '17

Aquarea's new Air to Water Heat Pump for residential and commercial applications. Offering capacities from 3 kW all the way through to 16 kW, 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 and environmentally friendly.

AQUAREA

New Aquarea H Generation A+++.

The beauty of comfort. The new H Generation is being introduced ranging from 3 to 16 kW. The small capacity units are specially designed for low energy homes and achieve an impressive COP of 5 (on the 3 kW).

New All in One H Generation.

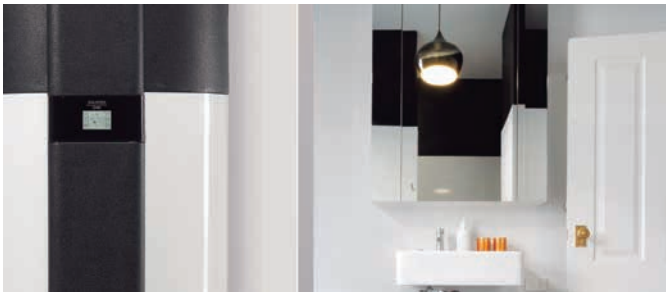
The new All in One solution from 3 to 16 kW with 200L stainless tank with free maintenance. The "A" class pump provides a small foot print and ideal solution for new, retrofit homes.

BEST IN TEST 2017: Applies to All in One T-CAP 9 kW H Generation: The highest measured SCOP (energy efficiency) of all air/water heat pumps, in the corresponding category, that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/

BEST IN TEST 2017

DHW tank with built-in Heat Pump.

The Heat Pump is one of the most energy efficient and cost effective methods of water heating. The pump is mounted on the storage tank and draws energy from the ambient air, using that extra energy source to heat the water up to 55 °C.



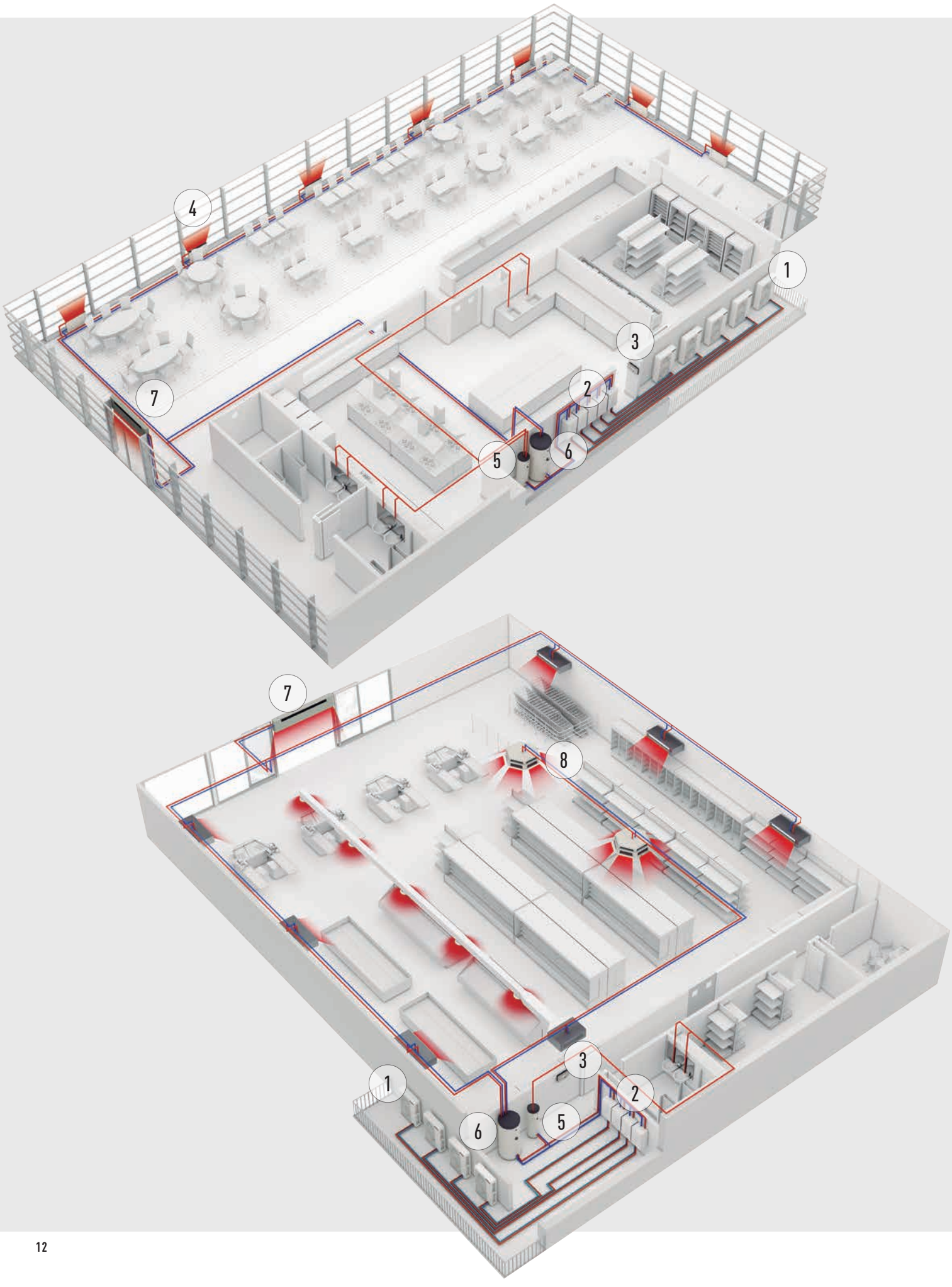
New Mono-Bloc Generation.

The "A" class water pump equipped with the new remote controller maximises savings while improving the performance and comfort.

New Aquarea Smart Cloud.

The Aquarea Smart Cloud is a powerful and intuitive service for remotely controlling the full range of heating and hot water functions, including monitoring energy consumption.

AQUAREA COMMERCIAL



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 extremely quick return on investment and a low CO_2 footprint.

Key points:

- Produce hot water efficiency
- Fast return of investment
- Easy control
- Cascade management for higher durability of the system

* 1 HPM can control 3 HP, on this case 2 HPM are needed.

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 existing technologies, offering demonstrable energy-use and emissions savings and in most cases; will deliver operational cost savings when compared with fossil fuel alternatives.

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
- Cascade management for higher durability of the system

* 1 HPM can control 3 HP, on this case 2 HPM are needed.

1

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

2

High Efficiency Aquarea Hydrokit.

3

HPM to control the Heat Pumps on cascade mode*.

4

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

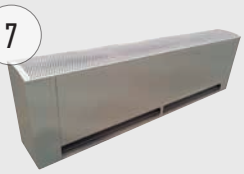
5

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

6

Buffer Tank of 1.000L.

7



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

8

Convectors.

AQUAREA HEAT PUMPS LINE-UP

			3 kW	5 kW
Aquarea High Performance for well insulated houses	**All in One** Single Phase	**Heating, cooling and DHW**	 WH-ADC0309H3E5 WH-UD03HE5-1	 WH-ADC0309H3E5 WH-UD05HE5-1
	Bi-bloc Single Phase Three Phase	**Heating and cooling**	 WH-SDC03H3E5-1 WH-UD03HE5-1	 WH-SDC05H3E5-1 WH-UD05HE5-1
	Mono-bloc Single Phase	**Heating and cooling**		 WH-MDC05F3E5 WH-MDC05H3E5
Aquarea T-CAP High Capacity for cold areas	**All in One** Single Phase Three Phase	**Heating, cooling and DHW**		
	Bi-bloc Three Phase	**Heating and cooling**		
	Mono-bloc Three Phase	**Heating and cooling**		
Aquarea HT for retrofit	**Bi-bloc** Three Phase	**Heating only**		
	Mono-bloc Three Phase	**Heating only**		

WH-__E5 Single Phase // WH-__E8 Three Phase.

	7 kW	9 kW	12 kW	16 kW
	 WH-ADC0309H3E5 WH-UD07HE5-1	 WH-ADC0309H3E5 WH-UD09HE5-1		
	 WH-SDC07H3E5-1 WH-UD07HE5-1	 WH-SDC09H3E5-1 WH-UD09HE5-1 WH-SDC09H3E8 WH-UD09HE8	 WH-SDC12H9E8 WH-UD12HE8	 WH-SDC16H9E8 WH-UD16HE8
	 WH-MDC06G3E5 WH-MDC07H3E5	 WH-MDC09G3E5 WH-MDC09H3E5		
		 WH-ADC1216H6E5 WH-UX09HE5 WH-ADC0916H9E8 WH-UX09HE8	 WH-ADC1216H6E5 WH-UX12HE5 WH-ADC0916H9E8 WH-UX12HE8	 WH-ADC0916H9E8 WH-UX16HE8
		 WH-SXC09H3E8 WH-UX09HE8 WH-SQC09H3E8 WH-UQ09HE8	 WH-SXC12H9E8 WH-UX12HE8 WH-SQC12H9E8 WH-UQ12HE8	 WH-SXC16H9E8 WH-UX16HE8 WH-SQC16H9E8 WH-UQ16HE8
		 WH-MXC09G3E8	 WH-MXC12G9E8	 WH-MXC16G9E8
		 WH-SHF09F3E8 WH-UH09FE8	 WH-SHF12F9E8 WH-UH12FE8	
		 WH-MHF09G3E8	 WH-MHF12G9E8	

NEW AQUAREA ALL IN ONE A+++

FREE MAINTENANCE STAINLESS TANK*

* FOR ALL IN ONE H GENERATION

New All in One, compact and easy to install

Space-saving solution ideal for installations with restricted space. In addition, Panasonic has developed bivalent and cascade systems that give the user control of two heating zones.
The Aquarea All in One belongs to the new generation of Panasonic heat pumps for heating, cooling and providing domestic hot water in the home. Aquarea T-CAP is one of the newest heat pumps on the market, maintaining 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 -28 °C to ensure the most efficient and stable operation.

BEST IN TEST 2017: Applies to All in One T-CAP 9 kW H Generation: The highest measured SCOP (energy efficiency) of all air/water heat pumps, in the corresponding category, that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/

New Design

New improved square design with white goods finish. Modern remote controller can be installed up to 50m from the indoor unit.

Installer Friendly:

- Electrical connections is now located on front side
- Easy access to parts and easy to install by having all pipings in a row
- New remote controller with full dotted wide screen and new functions
- Can connect additional room temperature sensor, solar kit, 2 zones control, swimming pool and circulating pump (need optional PCB: CZ-NS4P)

New Aquarea Smart Cloud for H Generation

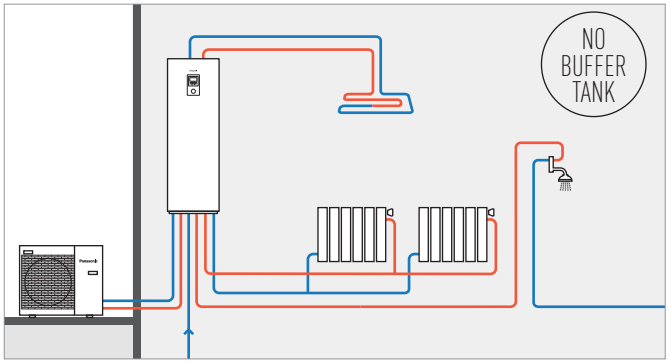
The most advanced heating control for today and for the future

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.

New All in One with 2 zones control

- 2 heating circuits, with 2 different water temperatures
- 2 water pumps and 2 water filters
- Floor heating water control with mixing valve

2 Zones kit included with control of 2 water temperatures (underfloor with water at 35 °C and radiators with water at 45 °C)



Aquarea All in One

Aquarea All in One H Generation High Performance Bi-bloc Single Phase. Heating and Cooling

Tentative data

Kit			Single Phase (Power to indoor)			
			KIT-ADC03HE5	KIT-ADC05HE5	KIT-ADC07HE5	KIT-ADC09HE5
Compatible with FTX unit (PAW-AQVENT-H)			–	–	–	–
SCOP 35 °C / 55 °C		W/W	4,88 / 3,12	4,83 / 3,44	5,05 / 3,47	4,83 / 3,32
Pdesign -10 °C		kW	3,83	4,83	5,28	6,0
Heating capacity at +7 °C (heating water at 35 °C)		kW	3,20 / 1,29	5,00 / 1,77	7,00 / 2,93	9,00
COP at +7 °C (heating water at 35 °C)		W/W	6,30	6,82	5,98	4,13
Heating capacity at +2 °C (heating water at 35 °C)		kW	3,20 / 2,10	4,20 / 2,50	6,55 / 2,76	6,70
COP at +2 °C (heating water at 35 °C)		W/W	5,04	4,86	4,79	3,13
Heating capacity at -7 °C (heating water at 35 °C)		kW	3,58 / 3,53	4,83 / 4,45	5,15 / 4,60	5,90
COP at -7 °C (heating water at 35 °C)		W/W	3,02	2,73	3,17	2,52
Heating capacity at -15 °C (heating water at 35 °C)		kW	3,20	4,20	4,60	5,90
COP at -15 °C (heating water at 35 °C)		W/W	2,30	2,16	2,32	2,22
Cooling capacity at 35 °C (cooling water at 7/12 °C)		kW	3,20	4,50	6,00	7,00
EER at 35 °C (cooling water at 7/12 °C)		W/W	3,08	2,69	2,63	2,43
Energy Efficiency Class at 35 °C / at 55 °C / at 55 °C for DHW			A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A
System label 35 °C / 55 °C[1]			A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Indoor unit			WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5
Sound pressure	Heating / Cooling	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28
Dimensions* / Net Weight*	H x W x D	mm / kg	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼
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	9,2	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	16 / 16	16 / 16	16 / 16	20 / 16
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
Outdoor Unit			WH-UD03HE5-1	WH-UD05HE5-1	WH-UD07HE5-1	WH-UD09HE5-1
Sound pressure	Heating / Cooling	dB(A)	48 / 47	49 / 48	50 / 48	51 / 50
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39	622 x 824 x 298 / 39	795 x 900 x 320 / 66	795 x 900 x 320 / 66
Refrigerant (R410A)		kg / TCO2 Eq.	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 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m	3 ~ 15 / 5	3 ~ 15 / 5	3 ~ 30 / 20	3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 30	10 / 30
Operation range	Outdoor ambient	°C	-27 ~ +35	-27 ~ +35	-27 ~ +35	-27 ~ +35
Water outlet	Heating / Cooling	°C	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20

Accessories	
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	PCB for advanced functions: 0-10V demand signal, 2-zones control function, solar and external switch
PAW-ADC-PREKIT-H	Flexible pipings and wall mounting plate
PAW-GRDSTD40	Outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption, 20cm

Accessories	
CZ-NE3P	Base pan heater
PAW-WTRAY	Tray for condenser water compatible with base ground support
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-A2W-RTWIRED	Wired LCD room thermostat with weekly timer

Accessories	
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat with weekly timer
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor

CZ-TAW1
Internet Control App.

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511. Insulated tested under EN12897. 1) System label with controller.
* Tentative data.

INTERNET CONTROL: Optional.

Aquarea All in One H Generation High Performance Bi-bloc Single Phase. Heating and Cooling. 2 zones built-in hydrokit

Tentative data

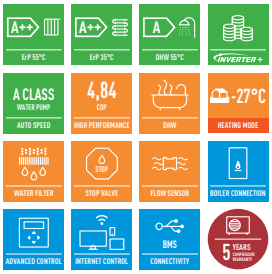
Kit			Single Phase (Power to indoor)			
			KIT-ADC03HE5B	KIT-ADC05HE5B	KIT-ADC07HE5B	KIT-ADC09HE5B
Compatible with FTX unit (PAW-AQVENT-H)			Yes (optional)	Yes (optional)	Yes (optional)	–
SCOP 35 °C / 55 °C		W/W	4,88 / 3,12	4,83 / 3,44	5,05 / 3,47	4,83 / 3,32
Pdesign -10 °C		kW	3,83	4,83	5,28	6,0
Heating capacity at +7 °C (heating water at 35 °C)		kW	3,20 / 1,29	5,00 / 1,77	7,00 / 2,93	9,00
COP at +7 °C (heating water at 35 °C)		W/W	6,30	6,82	5,98	4,13
Heating capacity at +2 °C (heating water at 35 °C)		kW	3,20 / 2,10	4,20 / 2,50	6,55 / 2,76	6,70
COP at +2 °C (heating water at 35 °C)		W/W	5,04	4,86	4,79	3,13
Heating capacity at -7 °C (heating water at 35 °C)		kW	3,58 / 3,53	4,83 / 4,45	5,15 / 4,60	5,90
COP at -7 °C (heating water at 35 °C)		W/W	3,02	2,73	3,17	2,52
Heating capacity at -15 °C (heating water at 35 °C)		kW	3,20	4,20	4,60	5,90
COP at -15 °C (heating water at 35 °C)		W/W	2,30	2,16	2,32	2,22
Cooling capacity at 35 °C (cooling water at 7/12 °C)		kW	3,20	4,50	6,00	7,00
EER at 35 °C (cooling water at 7/12 °C)		W/W	3,08	2,69	2,63	2,43
Energy Efficiency Class at 35 °C / at 55 °C / at 55 °C for DHW			A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A
System label 35 °C / 55 °C[1]			A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Indoor unit			WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5
Sound pressure	Heating / Cooling	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28
Dimensions* / Net Weight*	H x W x D	mm / kg	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼
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	9,2	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	16 / 16	16 / 16	16 / 16	20 / 16
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
Outdoor Unit			WH-UD03HE5-1	WH-UD05HE5-1	WH-UD07HE5-1	WH-UD09HE5-1
Sound pressure	Heating / Cooling	dB(A)	48 / 47	49 / 48	50 / 48	51 / 50
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39	622 x 824 x 298 / 39	795 x 900 x 320 / 66	795 x 900 x 320 / 66
Refrigerant (R410A)		kg / TCO2 Eq.	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 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m	3 ~ 15 / 5	3 ~ 15 / 5	3 ~ 30 / 20	3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 30	10 / 30
Operation range	Outdoor ambient	°C	-27 ~ +35	-27 ~ +35	-27 ~ +35	-27 ~ +35
Water outlet	Heating / Cooling	°C	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20

Accessories	
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	PCB for advanced functions: 0-10V demand signal, 2-zones control function, solar and external switch
PAW-ADC-PREKIT-H	Flexible pipings and wall mounting plate
PAW-GRDSTD40	Outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption, 20cm

Accessories	
CZ-NE3P	Base pan heater
PAW-WTRAY	Tray for condenser water compatible with base ground support
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-A2W-RTWIRED	Wired LCD room thermostat with weekly timer

Accessories	
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat with weekly timer
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor

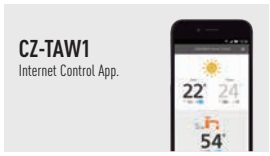
PAW-AQVENT-H
FTX unit.

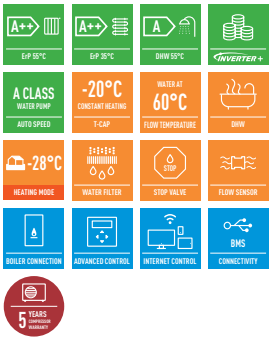


COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511. Insulated tested under EN12897. 1) System label with controller.
* Tentative values.

INTERNET CONTROL: Optional.

Aquarea All in One





COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511. Insulated tested under EN12897. 1) System label with controller.
* Tentative values.

BEST IN TEST 2017: Applies to All in One T-CAP 9 kW H Generation: The highest measured SCOP (energy efficiency) of all air/water heat pumps, in the corresponding category, that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/. INTERNET CONTROL: Optional.

Aquarea All in One H Generation T-CAP Bi-bloc Single Phase / Three Phase. Heating and Cooling

			Single Phase (Power to indoor)		Three Phase (Power to indoor)		
Kit			**KIT-AXC9HE5**	**KIT-AXC12HE5**	**KIT-AXC9HE8**	**KIT-AXC12HE8**	**KIT-AXC16HE8**
Compatible with FTX unit (PAW-AQVENT-H)			–	–	–	–	–
SCOP 35 °C / 55 °C		**W/W**	–	–	**5,09 / 3,54**	**4,96 / 3,55**	**4,60 / 3,29**
Pdesign -10 °C		**kW**	–	–	**9,24**	**12,64**	**15,77**
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00	9,00 / 5,30	12,00 / 5,34	16,00 / 8,02
COP at +7 °C (heating water at 35 °C)		W/W	4,84	4,74	6,39	6,65	5,85
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	12,00	9,00 / 4,94	12,00 / 7,31	16,00 / 9,48
COP at +2 °C (heating water at 35 °C)		W/W	3,59	3,44	5,01	4,64	4,42
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	12,00	9,00 / 8,94	12,00 / 11,75	16,00 / 15,31
COP at -7 °C (heating water at 35 °C)		W/W	2,85	2,72	3,13	3,11	2,80
Heating capacity at -15 °C (heating water at 35 °C)		kW			9,00	12,00	16,00
COP at -15 °C (heating water at 35 °C)		W/W			2,56	2,42	2,32
Cooling capacity at 35 °C (cooling water at 7/12 °C)		kW	7,00	10,00	7,00	10,00	12,20
EER at 35 °C (cooling water at 7/12 °C)		W/W	3,17	2,81	3,17	2,81	2,57
Energy Efficiency Class at 35 °C / at 55 °C / at 55 °C for DHW			A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A
System label 35 °C / 55 °C[2]			A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Indoor unit			**WH-ADC1216H6E5**	**WH-ADC1216H6E5**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**
Sound pressure	Heating / Cooling	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimensions* / Net Weight*	H x W x D	mm / kg	1.800 x 598 x 717 / 137	1.800 x 598 x 717 / 137	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼
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	20 / 16	30 / 30	16 / 16	16 / 16	16 / 16
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
Outdoor Unit			**WH-UX09HE5**	**WH-UX12HE5**	**WH-UX09HE8**	**WH-UX12HE8**	**WH-UX16HE8**
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	51 / 49	52 / 50	55 / 54
Dimensions / Weight	H x W x D	mm / kg	1.340 x 900 x 320 / 101	1.340 x 900 x 320 / 101	1.340 x 900 x 320 / 108	1.340 x 900 x 320 / 108	1.340 x 900 x 320 / 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 / Elevation difference (in/out)		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	Heating / Cooling	°C	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20

Accessories	
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	PCB for advanced functions: 0-10V demand signal, 2-zones control function, solar and external switch
PAW-ADC-PREKIT-H	Flexible pipings and wall mounting plate
PAW-GRDSTD40	Outdoor elevation platform
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption, 20cm

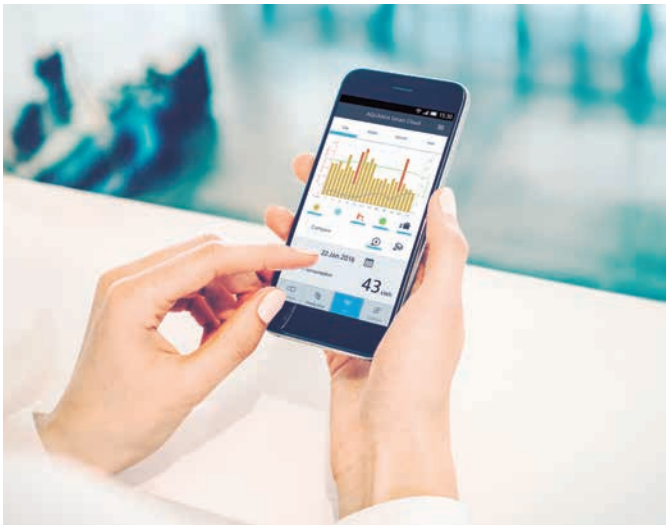
Accessories	
CZ-NE3P	Base pan heater
PAW-WTRAY	Tray for condenser water compatible with base ground support
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-A2W-RTWIRED	Wired LCD room thermostat with weekly timer

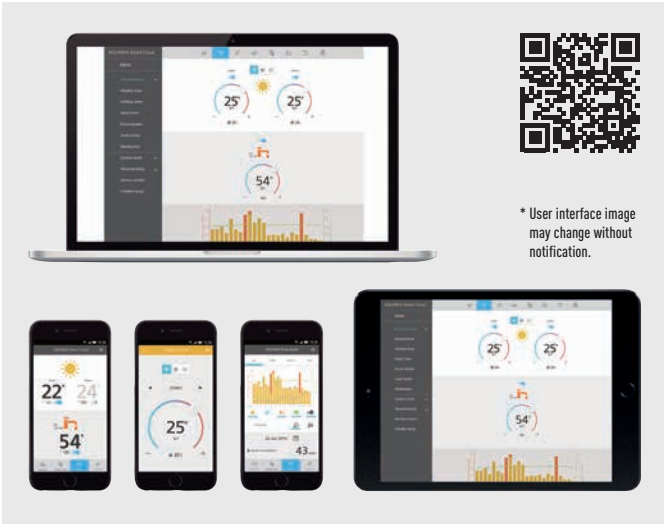
Accessories	
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat with weekly timer
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor

New Aquarea Smart Cloud for H Generation

The most advanced heating control for today and for the future. 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.
New functions for maintenance companies will be added during 1st Half of 2018 making advanced remote maintenance available to users and companies using any device.





* User interface image may change without notification.

How it works?

Connect Aquarea H Generation system to the cloud using Wifi 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.

Requirements

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

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
Maximum savings, maximum efficiency, minimum CO_2 emissions, minimum of space. Improved performance with COP's up to 5,28.

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.

Aquarea DHW
DHW tank with built-in Heat Pump.

Aquarea High Performance	Aquarea T-CAP	Aquarea HT	Aquarea DHW
			
Heating - Cooling - DHW	Heating - Cooling - DHW	Heating - DHW	Only DHW
Single Phase from 3 to 9 kW Three Phase from 9 to 16 kW	Single Phase from 9 to 12 kW Three Phase from 9 to 16 kW	Three Phase from 9 to 12 kW	From 80 to 295L
Connectable to			
Radiators - Fancoil - Underfloor heating - DHW	Radiators - Fancoil - 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++	A++ / A++	A++ / A++	A
Heating 35 °C / 55 °C	Heating 35 °C / 60 °C[1]	Heating 35 °C / 55 °C	DHW 55 °C
Outdoor ambient temperature limit. Operation			
-28 °C	-28 °C	-28 °C	-7 °C
Outdoor ambient temperature limit. Constant capacity			
	-20 °C / -15 °C[1]	-15 °C	
Supply temperature for heating. Max. / Heat pump only			
75 °C / 55 °C	75 °C / 60 °C[1]	75 °C / 65 °C	75 °C / 55 °C
Control and connectivity			
Smart Grid Ready[2]	Smart Grid Ready[2]	Smart Grid Ready[2]	Smart Grid Ready[2]
Wifi Ready	Wifi Ready	Wifi Ready	
Range			
Bi-bloc from 3 to 16 kW Mono-bloc from 5 to 16 kW All in One from 3 to 9 kW (185L)	Bi-bloc from 9 to 16 kW Mono-bloc from 9 to 16 kW All in One from 9 to 16 kW (185L)	Bi-bloc from 9 to 12 kW Mono-bloc from 9 to 12 kW	From 80 to 295L

All data in this chart is applicable in most of models in each line up, check product specs to confirm. 1) H Generation T-CAP. 2) H Generation with CZ-NS4P, F and G Generation with Heat Pump Manager.

NEW AQUAREA BI-BLOC H GENERATION

New Design

Nice improved design

White, squared design with no screws visible. Modern remote controller can be moved from the unit.

Installer Friendly

- Controller is now located on front side
- Easy access to parts and easy to install by having all pipings in a row
- New remote controller with full dotted wide screen and new functions (need optional PCB: CZ-NS4P)
- Can connect additional room temperature sensor

Compact and free space

More value in 1 compact space:

- Water filter (easy access & fast clip technology)
- Stop valve included
- Flow Sensor included
- 3 way valve ready (optional CZ-NV1 in internal space)

Better Efficiency & Value

A++/A++

- A++ for medium temperature applications (ErP 55 °C)
- A++ for low temperature applications (ErP 35 °C)
- 3 & 5 kW meet Sep'19 ErP regulation as A+++

Advanced Control

Ease of use

New remote controller with full dotted 3,5'' wide back light screen. Menu with 10 available languages (EN, FR, DE, IT, ES, CZ, PL, SW, NO, DK) easy to use for installer and user.

Relocation

Remote controller can be relocated to any room.

New Accessory

Optional PCB (CZ-NS4P)

With this new PCB you can also manage one or more functions like below: SG Ready, 0-10V demand signal, 2-zones control function (pump + mixing valve), solar and external switch (Heat / Cool).

New Wifi connection for H Generation

CZ-TAW1

Aquarea Smart Cloud,
H Generation Internet control
through Wifi or wired LAN.

Aquarea Bi-bloc

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

Tentative data

			Single Phase Heating and Cooling			
Kit			**KIT-WC03H3E5**	**KIT-WC05H3E5**	**KIT-WC07H3E5**	**KIT-WC09H3E5**
Heating capacity at +7 °C (heating water at 35 °C)		kW	3,20	5,00	7,00	9,00
COP at +7 °C (heating water at 35 °C)		W/W	5,00	4,63	4,46	4,13
Heating capacity at +2 °C (heating water at 35 °C)		kW	3,20	4,20	6,55	6,70
COP at +2 °C (heating water at 35 °C)		W/W	3,56	3,11	3,34	3,13
Heating capacity at -7 °C (heating water at 35 °C)		kW	3,20	4,20	5,15	5,90
COP at -7 °C (heating water at 35 °C)		W/W	2,69	2,59	2,68	2,52
Heating capacity at -15 °C (heating water at 35 °C)		kW	3,20	4,20	4,60	5,90
COP at -15 °C (heating water at 35 °C)		W/W	1,26	2,40	2,49	2,22
Cooling capacity at 35 °C (cooling water at 7/12 °C)		kW	3,20	4,50	6,00	7,00
EER at 35 °C (cooling water at 7/12 °C)		W/W	3,08	2,69	2,63	2,43
Energy Efficiency Class at 35 °C / 55 °C			A++* / A++	A++* / A++	A++* / A++	A++* / A++
System label 35 °C / 55 °C[1]			A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Indoor Unit			**WH-SDC03H3E5-1**	**WH-SDC05H3E5-1**	**WH-SDC07H3E5-1**	**WH-SDC09H3E5-1**
Sound pressure	Heating / Cooling	dB(A)	28 / 28	28 / 28	30 / 30	30 / 30
Dimensions / Weight	H x W x D	mm / kg	892 x 500 x 340 / 44	892 x 500 x 340 / 44	892 x 500 x 340 / 44	892 x 500 x 340 / 44
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼
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	16 / 16	16 / 16	16 / 16	20 / 16
Outdoor Unit			**WH-UD03HE5-1**	**WH-UD05HE5-1**	**WH-UD07HE5-1**	**WH-UD09HE5-1**
Sound pressure	Heating / Cooling	dB(A)	47 / 47	48 / 48	50 / 48	51 / 50
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39	622 x 824 x 298 / 39	795 x 900 x 320 / 66	795 x 900 x 320 / 66
Refrigerant (R410A)		kg / TCO2 Eq.	1,20 / —	1,20 / —	1,45 / —	1,45 / —
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m	3 ~ 15 / 5	3 ~ 15 / 5	3 ~ 30 / 20	3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 30	10 / 30
Operation range	Outdoor ambient	°C	-27 ~ +35	-27 ~ +35	-27 ~ +35	-27 ~ +35
Water outlet	Heating / Cooling	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
CZ-NV1	3 way valve Kit for inside of hydrokit
CZ-NS4P	Additional functions PCB
PAW-BTANK50L	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN

Accessories	
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor
PAW-A2WLOGGER	Data Logger: With this tool we can log data during a long period
PAW-A2WCHECKER	Service checker: With this tool we will have a life monitoring at our PC

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Performance in agreement with EN14511.
Remark to energy efficiency class: These indications are based on the official ErP regulations (EU regulations N° 811/2013, EN 14511 and EN 14825) for heat pumps, which is officially binding from September 2015. Efficiency classes marked with * would meet the new regulations from September 2019 to a classification as A+++. 1) System label with controller. * Tentative data.

INTERNET CONTROL: Optional.

CZ-TAW1
Internet Control App.

Aquarea H Generation High Performance Bi-bloc Three Phase. Heating and Cooling - SDC

Tentative data

			Three Phase (Power to indoor)		
Kit			**KIT-WC09H3E8**	**KIT-WC12H9E8**	**KIT-WC16H9E8**
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +7 °C (heating water at 35 °C)		W/W	4,84	4,74	4,28
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	11,40	13,00
COP at +2 °C (heating water at 35 °C)		W/W	3,59	3,44	3,28
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	10,00	11,40
COP at -7 °C (heating water at 35 °C)		W/W	2,85	2,73	2,57
Heating capacity at -15 °C (heating water at 35 °C)		kW	8,65	9,30	10,60
COP at -15 °C (heating water at 35 °C)		W/W	2,83	2,69	2,59
Cooling capacity at 35 °C (cooling water at 7/12 °C)		kW	7,00	10,00	12,20
EER at 35 °C (cooling water at 7/12 °C)		W/W	3,17	2,81	2,56
Energy Efficiency Class at 35 °C			A++	A++	A++
Energy Efficiency Class at 55 °C			A++	A++	A++
Indoor Unit			**WH-SDC09H3E8**	**WH-SDC12H9E8**	**WH-SDC16H9E8**
Sound pressure	Heating / Cooling	dB(A)	33 / 33	33 / 33	33 / 33
Dimensions / Weight	H x W x D	mm / kg	892 x 500 x 340 / 44	892 x 500 x 340 / 45	892 x 500 x 340 / 45
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼
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	3 x 10	3 x 16 / 3 x 16	3 x 16 / 3 X 16
Outdoor Unit			**WH-UD09HE8**	**WH-UD12HE8**	**WH-UD16HE8**
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	55 / 54
Dimensions / Weight	H x W x D	mm / kg	1.340 x 900 x 320 / 107	1.340 x 900 x 320 / 107	1.340 x 900 x 320 / 107
Refrigerant (R410A)		kg / TCO2 Eq.	2,55 / —	2,55 / —	2,55 / —
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	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	-27 ~ +35	-27 ~ +35	-27 ~ +35
Water outlet	Heating / Cooling	°C	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20	25 ~ 55 / 5 ~ 20

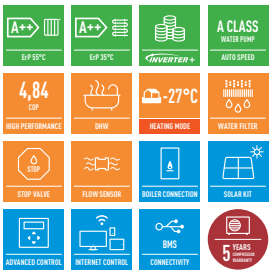
Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
CZ-NV1	3 way valve Kit for inside of hydrokit
CZ-NS4P	Additional functions PCB
PAW-BTANK50L	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN

Accessories	
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor
PAW-A2WLOGGER	Data Logger: With this tool we can log data during a long period
PAW-A2WCHECKER	Service checker: With this tool we will have a life monitoring at our PC

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511.

INTERNET CONTROL: Optional.

CZ-TAW1
Internet Control App.



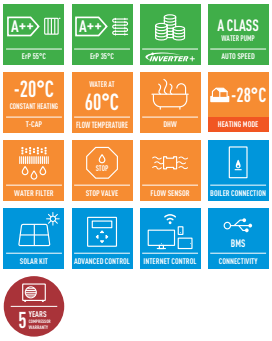
Aquarea Bi-bloc

Aquarea H Generation T-CAP Bi-bloc Three Phase. Heating and Cooling - SXC

Tentative data

			Three Phase (Power to indoor)		
Kit			**KIT-WXC09H3E8**	**KIT-WXC12H9E8**	**KIT-WXC16H9E8**
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +7 °C (heating water at 35 °C)		W/W	4,84	4,74	4,28
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +2 °C (heating water at 35 °C)		W/W	3,59	3,44	3,10
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at -7 °C (heating water at 35 °C)		W/W	2,85	2,72	2,49
Heating capacity at -15 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at -15 °C (heating water at 35 °C)		W/W	2,56	2,42	2,56
Cooling capacity at 35 °C (cooling water at 7 °C)		kW	7,00	10,00	12,20
EER at 35 °C (cooling water at 7 °C)		W/W	3,17	2,81	2,57
Energy Efficiency Class at 35 °C			A++	A++	A++
Energy Efficiency Class at 55 °C			A++	A++	A++
Indoor Unit			**WH-SXC09H3E8**	**WH-SXC12H9E8**	**WH-SXC16H9E8**
Sound pressure	Heating / Cooling	dB(A)	33 / 33	33 / 33	33 / 33
Dimensions / Weight*	H x W x D	mm / kg	892 x 500 x 340 / 43	892 x 500 x 340 / 44	892 x 500 x 340 / 45
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼
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	3 x 16 / 1 x 16	3 x 16 / 3 x 16	3 x 16 / 3 x 16
Outdoor Unit			**WH-UX09HE8**	**WH-UX12HE8**	**WH-UX16HE8**
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	55 / 54
Dimensions / Weight	H x W x D	mm / kg	1.340 x 900 x 320 / 108	1.340 x 900 x 320 / 108	1.340 x 900 x 320 / 118
Refrigerant (R410A)		kg / TCO_2 Eq.	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)
Pipe length range / Elevation difference (in/out)		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	Heating / Cooling	°C	25 - 60 / 5 - 20	25 - 60 / 5 - 20	25 - 60 / 5 - 20

CZ-TAW1
Internet Control App.



Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
CZ-NV1	3 way valve Kit for inside of hydrokit
CZ-NS4P	Additional functions PCB
PAW-BTANK50L	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN

Accessories	
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor
PAW-A2WLOGGER	Data Logger: With this tool we can log data during a long period
PAW-A2WCHECKER	Service checker: With this tool we will have a life monitoring at our PC

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511. * Tentative values.

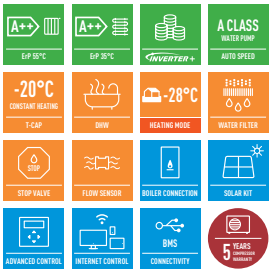
INTERNET CONTROL: Optional.

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

Tentative data

			Three Phase. New Super Quiet outdoor unit		
Kit			**KIT-WQC09H3E8**	**KIT-WQC12H9E8**	**KIT-WQC16H9E8**
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +7 °C (heating water at 35 °C)		W/W	4,84	4,74	4,28
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +2 °C (heating water at 35 °C)		W/W	3,59	3,44	3,10
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at -7 °C (heating water at 35 °C)		W/W	2,85	2,73	2,68
Heating capacity at -15 °C (heating water at 35 °C)		kW			
COP at -15 °C (heating water at 35 °C)		W/W			
Cooling capacity at 35 °C (cooling water at 7 °C)		kW	7,00	10,00	12,20
EER at 35 °C (cooling water at 7 °C)		W/W	3,17	2,81	2,57
Energy Efficiency Class at 35 °C			A++	A++	A++
Energy Efficiency Class at 55 °C			A++	A++	A++
Indoor Unit			**WH-SQC09H3E8**	**WH-SQC12H9E8**	**WH-SQC16H9E8**
Sound pressure	Heating / Cooling	dB(A)	33 / 33	33 / 33	33 / 33
Dimensions / Weight*	H x W x D	mm / kg	892 x 500 x 340 / 43	892 x 500 x 340 / 44	892 x 500 x 340 / 45
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼
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	3 x 16 / 1 x 16	3 x 16 / 3 x 16	3 x 16 / 3 x 16
Outdoor Unit			**WH-UQ09HE8**	**WH-UQ12HE8**	**WH-UQ16HE8**
Sound pressure	Heating / Cooling	dB(A)	47 / 48	48 / 49	51 / 53
Dimensions / Weight	H x W x D	mm / kg	1.410 x 1.283 x 320 / 151	1.410 x 1.283 x 320 / 151	1.410 x 1.283 x 320 / 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 / Elevation difference (in/out)		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	Heating / Cooling	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20

CZ-TAW1
Internet Control App.



Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
CZ-NV1	3 way valve Kit for inside of hydrokit
CZ-NS4P	Additional functions PCB
PAW-BTANK50L	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN

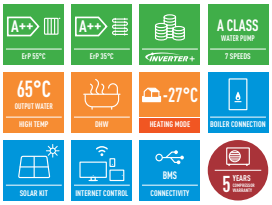
Accessories	
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-TSOD	Outdoor ambient sensor
PAW-A2W-TSRT	Zone room sensor
PAW-A2W-TSBU	Buffer tank sensor
PAW-A2W-TSHC	Zone water sensor
PAW-A2W-TSSO	Solar sensor
PAW-A2WLOGGER	Data Logger: With this tool we can log data during a long period
PAW-A2WCHECKER	Service checker: With this tool we will have a life monitoring at our PC

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511. * Tentative values.

INTERNET CONTROL: Optional.

Aquarea HT Bi-bloc Three Phase. Heating Only - SHF

			Three Phase (Power to indoor)	
Kit			**KIT-WHF09F3E8**	**KIT-WHF12F9E8**
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00
COP at +7 °C (heating water at 35 °C)		W/W	4,64	4,46
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	12,00
COP at +2 °C (heating water at 35 °C)		W/W	3,45	3,26
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	12,00
COP at -7 °C (heating water at 35 °C)		W/W	2,74	2,52
Heating capacity at -15 °C (heating water at 35 °C)		kW	9,00	12,00
COP at -15 °C (heating water at 35 °C)		W/W	2,43	2,17
Heating capacity at +7 °C (heating water at 65 °C)		kW	9,00	12,00
COP at +7 °C (heating water at 65 °C)		W/W	2,29	2,22
Heating capacity at +2 °C (heating water at 65 °C)		kW	9,00	10,30
COP at +2 °C (heating water at 65 °C)		W/W	1,89	1,84
Heating capacity at -7 °C (heating water at 65 °C)		kW	8,90	9,60
COP at -7 °C (heating water at 65 °C)		W/W	1,63	1,62
Energy Efficiency Class at 35 °C			A++	A++
Energy Efficiency Class at 55 °C			A++	A++
Indoor Unit			**WH-SHF09F3E8**	**WH-SHF12F9E8**
Sound pressure		dB(A)	33	33
Dimensions / Weight	H x W x D	mm / kg	892 x 502 x 353 / 47	892 x 502 x 353 / 48
Water pipe connector		Inch	R 1 ¼	R 1 ¼
Pump	Number of speeds		7	7
	Input power (Min / Max)	W	38 / 100	40 / 106
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4
Capacity of integrated electric heater		kW	3	9
Recommended fuse		A	3 x 16 / 1 x 16	3 x 16 / 3 x 16
Outdoor Unit			**WH-UH09FE8**	**WH-UH12FE8**
Sound pressure		dB(A)	51	52
Dimensions / Weight	H x W x D	mm / kg	1.340 x 900 x 320 / 110	1.340 x 900 x 320 / 110
Refrigerant (R407C)		kg / TCO_2 Eq.	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)
Pipe length range / Elevation difference (in/out)		m	3 ~ 30 / 20	3 ~ 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 70	10 / 70
Operation range	Outdoor ambient	°C	-27 ~ +35	-27 ~ +35
Water outlet		°C	25 ~ 65	25 ~ 65



Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
PAW-BTANK50L	Buffer tank 50L

Accessories	
PA-AW-WIFI-1TE	Wired room temperature sensor (only for PA-AW-WIFI-1)
PAW-A2W-BIV	Bivalent controller
PAW-FILTER	2 check valves + filter with 1"
PAW-A2W-RTWIRED	Room thermostat

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511.

INTERNET CONTROL: Optional.

Connectivity. Control by BMS

Great flexibility for integration into your KNX / Modbus projects allows fully bi-directional monitoring and control of all the functioning parameters.

Interface to connect Aquarea to KNX. Reference: PAW-AW-KNX-1i / PAW-AW-KNX-H.

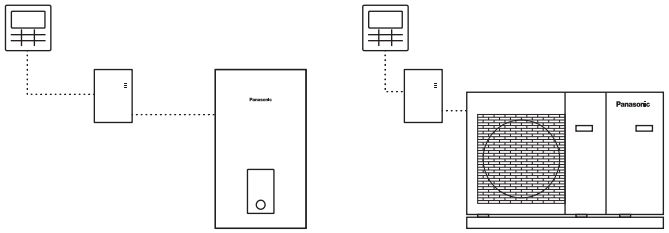
These new interfaces allows full monitoring and control, bi-directional, of all the functioning parameters of Aquarea control from KNX installations.

- Small dimensions. / Quick installation and possibility of hidden installation
- External power not required
- Direct connection to the unit
- Fully KNX interoperable: Control and monitoring, from sensors or gateways, of the internal variables of the indoor unit and error codes and indication
- Aquarea unit can be controlled simultaneously by its remote controller and by KNX Master devices

Interface to connect Aquarea to Modbus. Reference: PAW-AW-MBS-1 / PAW-AW-MBS-H.

These new interfaces allows full monitoring and control, bi-directional, of all the functioning parameters of Aquarea control from Modbus installations.

- Small dimensions. / Quick installation and possibility of hidden installation
- External power not required
- Direct connection to the unit
- Fully Modbus interoperable: Control and monitoring, from any BMS or PLC Modbus Master, of internal variables of the indoor unit and error codes and indication
- Aquarea unit can be controlled simultaneously by its remote controller and by Modbus Master devices



AQUAREA MONO-BLOC

Maximum savings, maximum efficiency, minimum CO_2 emissions, minimum of space.

Panasonic has designed the new Aquarea Mono-bloc heat pumps for homes which have high performance requirements.
Whatever the weather, Aquarea can work even at -20 °C! The New Aquarea is easy to install on new or existing installations, in all types of properties.

Mono-bloc system

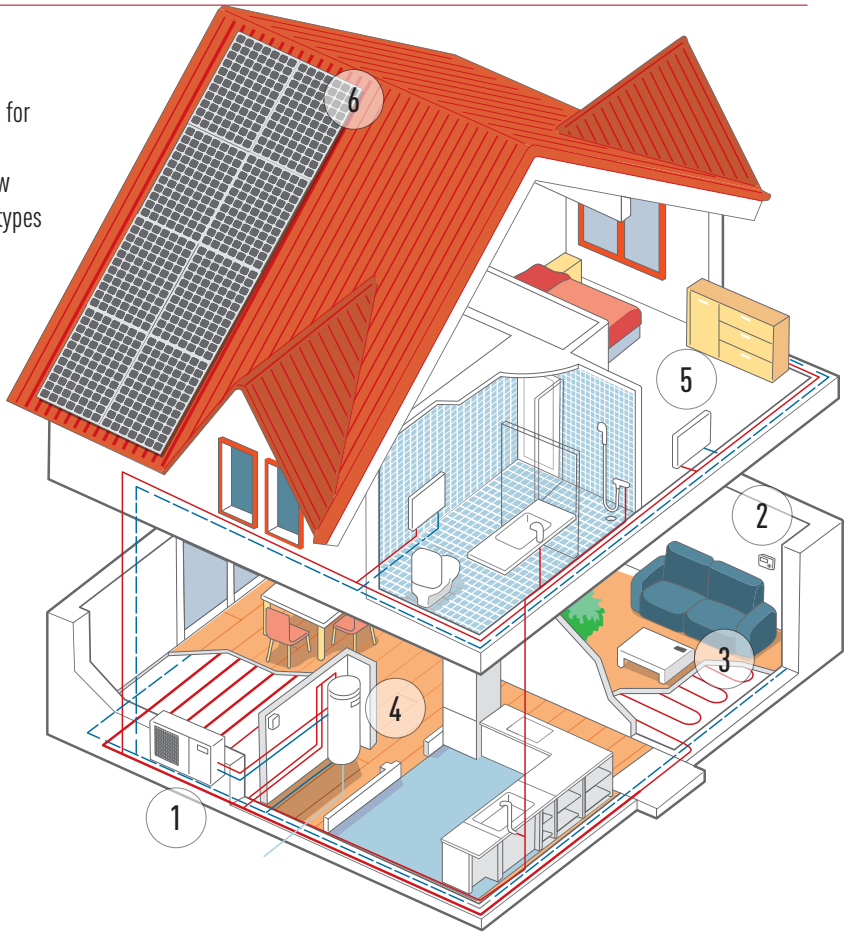
Aquarea Heat Pump Manager (optional)

Control through smart phone, tablet or computer (optional)

Super High Efficiency cylinder (optional)

High efficient radiators for heating and cooling (optional)

Heat Pump + HIT Photovoltaic solar panel (optional)

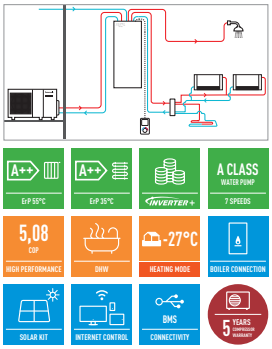


Aquarea Mono-bloc

Aquarea G/H Generation High Performance Mono-bloc Single Phase. Heating and Cooling - MDC

			G Generation. Single Phase Heating and Cooling			H Generation. Single Phase Heating and Cooling		
Outdoor Unit			**WH-MDC05F3E5**	**WH-MDC06G3E5**	**WH-MDC09G3E5**	**WH-MDC05H3E5**	**WH-MDC07H3E5**	**WH-MDC09H3E5**
Heating capacity at +7 °C (heating water at 35 °C)		kW	5,00	6,00	9,00	5,00	7,00	9,00
COP at +7 °C (heating water at 35 °C)		W/W	5,08	4,46	4,15	5,08	4,46	4,15
Heating capacity at +2 °C (heating water at 35 °C)		kW	4,80	5,00	7,45	4,80	5,00	7,45
COP at +2 °C (heating water at 35 °C)		W/W	3,75	3,45	3,14	3,75	3,45	3,14
Heating capacity at -7 °C (heating water at 35 °C)		kW	4,50	5,15	7,70	4,50	5,15	7,70
COP at -7 °C (heating water at 35 °C)		W/W	2,98	2,68	2,12	2,98	2,68	2,12
Heating capacity at -15 °C (heating water at 35 °C)		kW	5,00	5,90		5,00	5,90	
COP at -15 °C (heating water at 35 °C)		W/W	2,56	2,22		2,56	2,22	
SCOP		**W/W**	**4,29**	**3,89**		**4,29**	**3,89**	
Cooling capacity at 35 °C (cooling water at 7 °C)		kW	4,50	5,50	7,00	4,50	5,50	7,00
EER at 35 °C (cooling water at 7 °C)		W/W	3,33	2,74	2,44	3,33	2,74	2,44
Energy Efficiency Class at 35 °C			A++	A++	A++	A++	A++	A++
Energy Efficiency Class at 55 °C			A++	A++	A++	A++	A++	A++
Sound pressure	Heating / Cooling	dB(A)	49 / 47	49 / 47	51 / 49	49 / 47	49 / 47	51 / 49
Sound power	Heating / Cooling	dB	65 / 65	65 / 65	69 / 67	65 / 65	65 / 65	69 / 67
Dimensions	H x W x D	mm	865 x 1.283 x 320	865 x 1.283 x 320	865 x 1.283 x 320	865 x 1.283 x 320	865 x 1.283 x 320	865 x 1.283 x 320
Weight		kg	107	112	112	107	112	112
Refrigerant (R410A)[2]		kg / TCO2 Eq.	1,42 / 2,965	1,45 / 3,028	1,45 / 3,028	1,42 / 2,965	1,45 / 3,028	1,45 / 3,028
Water pipe connector		Inch	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4
Pump	Number of speeds		7	7	7	7	7	7
	Input power (Min / Max)	W	34 / 96	36 / 100	39 / 108	34 / 96	36 / 100	39 / 108
Heating water flow (ΔT=5 K. 35 °C)		L/min	14,3	17,2	25,8	14,3	17,2	25,8
Capacity of integrated electric heater		kW	3	3	3	3	3	3
Input Power	Heating	kW	0,985	1,34	2,17	0,985	1,34	2,17
	Cooling	kW	1,35	2,01	2,87	1,35	2,01	2,87
Running and Starting current	Heating	A	4,5	6,1	9,9	4,5	6,1	9,9
	Cooling	A	6,1	9,3	13,0	6,1	9,3	13,0
Recommended fuse		A	16 / 16	16 / 16	20 / 16	16 / 16	16 / 16	20 / 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	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	-27 ~ +35	-27 ~ +35	-27 ~ +35	-27 ~ +35	-27 ~ +35	-27 ~ +35
Water outlet	Heating	°C	20 ~ 55	20 ~ 55	20 ~ 55	20 ~ 55	20 ~ 55	20 ~ 55
	Cooling	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

Easy to install



COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Performance in agreement with EN14511. Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site. 1) WH-MDC models are hermetically sealed.

INTERNET CONTROL: Optional.

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
PAW-BTANK50L	Buffer tank 50L
CZ-NE1P	Base pan heater for Mono-Bloc 5 kW
CZ-NE3P	Base pan heater for Mono-Bloc 9, 12, 16 kW

Accessories	
PA-AW-WIFI-1TE	Wired room temperature sensor (only for PA-AW-WIFI-1)
PAW-A2W-BIV	Bivalent controller
PAW-FILTER	2 check valves + filter with 1"
PAW-A2W-RTWIRED	Room thermostat
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption, 20cm
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDSTD40	Outdoor elevation platform

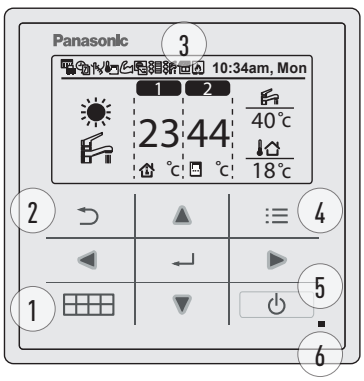
Advanced controller for H Generation

Improved visibility & easy operation by full dotted LCD panel and large touch panel!

Remote controller can be removed from indoor unit and installed in living room.

Key Points

- Full dot big LCD screen (3,5 inch)
- High resolution screen with backlight
- Easy set up
- Check conditions easily even at the living room
- Flat, innovative design
- Temperature Sensor included in controller



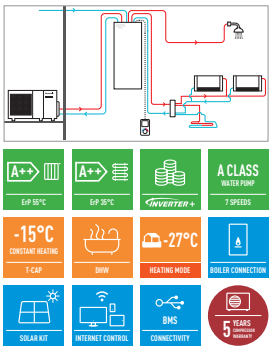
1. Quick Menu button (For more details, refer to the separate Quick Menu Guide)
2. Back button. Returns to the previous screen
3. LCD Display
4. Main Menu button. For function setup
5. ON/OFF button. Starts/Stops operation
6. Operation indicator. Illuminates during operation, blinks during alarm

Aquarea Mono-bloc

Aquarea G Generation T-CAP Mono-bloc Three Phase. Heating and Cooling - MXC

Outdoor Unit			Three Phase		
			WH-MXC09G3E8	WH-MXC12G9E8	WH-MXC16G9E8
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +7 °C (heating water at 35 °C)		W/W	4,84	4,74	4,28
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at +2 °C (heating water at 35 °C)		W/W	3,59	3,44	3,10
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at -7 °C (heating water at 35 °C)		W/W	2,85	2,72	2,49
Heating capacity at -15 °C (heating water at 35 °C)		kW	9,00	12,00	16,00
COP at -15 °C (heating water at 35 °C)		W/W	2,54	2,40	2,32
SCOP		**W/W**	**4,53**	**4,41**	**4,39**
Cooling capacity at 35 °C (cooling water at 7 °C)		kW	7,00	10,00	12,20
EER at 35 °C (cooling water at 7 °C)		W/W	3,17	2,81	2,56
Energy Efficiency Class at 35 °C			A++	A++	A++
Energy Efficiency Class at 55 °C			A++	A++	A++
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	55 / 54
Sound power	Heating / Cooling	dB	68 / 67	69 / 68	72 / 72
Dimensions	H x W x D	mm	1.410 x 1.283 x 320	1.410 x 1.283 x 320	1.410 x 1.283 x 320
Weight		kg	155	155	168
Refrigerant (R410A)[1]		kg / TCO_2 Eq.	2,30 / 4,802	2,30 / 4,802	2,35 / 4,907
Water pipe connector		Inch	R 1 ¼	R 1 ¼	R 1 ¼
Pump	Number of speeds		7	7	7
	Input power (Min / Max)	W	32 / 102	34 / 110	38 / 120
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
Input Power	Heating	kW	1,86	2,53	3,74
	Cooling	kW	2,21	3,56	4,76
Running and Starting current	Heating	A	2,8	3,8	5,7
	Cooling	A	3,4	5,3	7,2
Recommended fuse		A	3 x 16 / 1 x 16	3 x 16 / 3 x 16	3 x 16 / 3 x 16
Operation range	Outdoor ambient	°C	-27 ~ +35	-27 ~ +35	-27 ~ +35
Water outlet	Heating	°C	25 ~ 55	25 ~ 55	25 ~ 55
	Cooling	°C	5 ~ 20	5 ~ 20	5 ~ 20

Easy to install

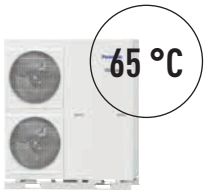


COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).Performance in agreement with EN14511.
1) WH-MXC models are hermetically sealed.

INTERNET CONTROL: Optional.

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
PAW-BTANK50L	Buffer tank 50L
CZ-NE1P	Base pan heater for Mono-Bloc 5 kW
CZ-NE3P	Base pan heater for Mono-Bloc 9, 12, 16 kW

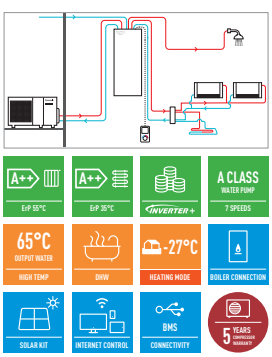
Accessories	
PA-AW-WIFI-1TE	Wired room temperature sensor (only for PA-AW-WIFI-1)
PAW-A2W-BIV	Bivalent controller
PAW-FILTER	2 check valves + filter with 1"
PAW-A2W-RTWIRED	Room thermostat
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption, 20cm
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDSTD40	Outdoor elevation platform



Aquarea G Generation HT Mono-bloc Three Phase. Heating Only - MHF

Outdoor Unit			Three Phase	
			WH-MHF09G3E5	WH-MHF12G6E5
Heating capacity at +7 °C (heating water at 35 °C)		kW	9,00	12,00
COP at +7 °C (heating water at 35 °C)		W/W	4,64	4,46
Heating capacity at +2 °C (heating water at 35 °C)		kW	9,00	12,00
COP at +2 °C (heating water at 35 °C)		W/W	3,45	3,26
Heating capacity at -7 °C (heating water at 35 °C)		kW	9,00	12,00
COP at -7 °C (heating water at 35 °C)		W/W	2,74	2,52
Heating capacity at -15 °C (heating water at 35 °C)		kW	9,00	12,00
COP at -15 °C (heating water at 35 °C)		W/W	2,40	2,15
Heating capacity at +7 °C (heating water at 65 °C)		kW	9,00	12,00
COP at +7 °C (heating water at 65 °C)		W/W	2,27	2,22
Heating capacity at +2 °C (heating water at 65 °C)		kW	9,00	10,30
COP at +2 °C (heating water at 65 °C)		W/W	1,89	1,84
Heating capacity at -7 °C (heating water at 65 °C)		kW	8,90	9,60
COP at -7 °C (heating water at 65 °C)		W/W	1,63	1,62
Energy Efficiency Class at 35 °C			A++	A++
Energy Efficiency Class at 55 °C			A++	A++
Sound pressure		dB(A)	51	52
Sound power		dB	68	69
Dimensions	H x W x D	mm	1.410 x 1.283 x 320	1.410 x 1.283 x 320
Weight		kg	151	151
Refrigerant (R407C)[1]		kg / TCO_2 Eq.	1,92 / 3,406	1,92 / 3,406
Water pipe connector		Inch	R 1 ¼	R 1 ¼
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
Recommended fuse		A	3 x 16 / 1 x 16	3 x 16 / 3 x 16
Operation range	Outdoor ambient	°C	-27 ~ +35	-27 ~ +35
Water outlet		°C	25 ~ 65	25 ~ 65

Easy to install



COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).Performance in agreement with EN14511.
1) WH-MHF models are hermetically sealed.

INTERNET CONTROL: Optional.

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TD20B8E3-NDS	Tank 200L Enamelled w/ 3 way valve
CZ-TK1	Temperature sensor for 3rd party tank
PAW-BTANK50L	Buffer tank 50L
CZ-NE1P	Base pan heater for Mono-Bloc 5 kW
CZ-NE3P	Base pan heater for Mono-Bloc 9, 12, 16 kW

Accessories	
PA-AW-WIFI-1TE	Wired room temperature sensor (only for PA-AW-WIFI-1)
PAW-A2W-BIV	Bivalent controller
PAW-FILTER	2 check valves + filter with 1"
PAW-A2W-RTWIRED	Room thermostat
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption, 20cm
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDSTD40	Outdoor elevation platform

AQUAREA AIR

New line up of Super low temperature radiators for Heat Pump application: Aquarea Air 200/700/900 with radiating effect

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

With a depth of just under 13 cm 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.

Aquarea Air Radiators

Aquarea Air Radiators. Fan Coils for Heat Pump application

Fan Coils for Heat Pump application		PAW-AAIR-200-1					PAW-AAIR-700-1					PAW-AAIR-900-1				
Total heating capacity	W	138	160	217	470	570	223	360	708	1.032	1.188	273	475	886	1.420	1.703
Water flow	kg/h	23,7	27,5	37,3	80,8	98,0	38,4	61,9	121,8	177,5	204,3	47,0	81,7	152,4	244,2	292,9
Water pressure drop	kPa	0,1	0,2	0,4	2,0	2,9	0,1	0,1	0,3	0,8	1,0	0,1	0,2	0,5	1,6	2,2
Air flow	m^3/min	0,5	0,6	0,9	1,9	2,7	0,7	1,4	2,6	4,2	5,3	0,9	1,8	4,1	6,1	7,7
	Speed	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max
Maximum input power	W	2	5	7	9	13	3	9	14	18	22	3	11	16	20	24
Sound pressure	dB(A)	17,6	18,8	24,7	33,2	39,4	18,4	19,6	25,8	34,1	40,2	18,4	22,3	26,2	34,4	42,2
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Outlet air temperature	°C	34,5	32,6	38,9	32,0	30,0	34,9	32,4	33,3	31,8	30,6	34,8	32,5	30,2	31,1	30,6
Dimensions (H x W x D)	mm	579 x 735 x 129					579 x 935 x 129					579 x 1.135 x 129				
Weight	kg	17					20					23				
3 ways valve included		Yes					Yes					Yes				
Touch screen thermostat		Yes					Yes					Yes				

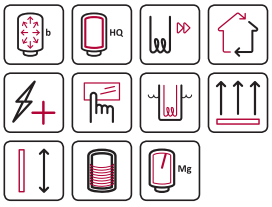
AQUAREA AIR

Aquarea DHW

Aquarea DHW

Model		Floor standing at -7 °C*			Wall mounted		
Reference		PAW-DHWM200A	PAW-DHWM300A	PAW-DHWM300AE	PAW-DHWM80ZNT	PAW-DHWM100ZNT	PAW-DHWM120ZNT
Volume	L	208	295	276	80	100	120
Dimensions of Connections							
Height / with air ducts	mm	1.540 x 670 x 690	1.960 x 670 x 690	1.960 x 670 x 690	1.197 x 506 x 533	1.342 x 506 x 533	1.497 x 506 x 533
Connections to the water supply network		G1	G1	G1	G 1/2	G 1/2	G 1/2
Dimensions of air ducts	mm / m	Ø160 / —	Ø160 / —	Ø160 / —	Ø125 (150 x 70) / 10	Ø125 (150 x 70) / 10	Ø125 (150 x 70) / 10
Net weight / with water	kg	149 / 365	164 / 459	207 /480	58 / 138	62 / 162	68 / 188
Heat Pump							
Nominal electrical power	W	490	490	490	250	250	250
Reference tapping cycle		L	XL	XL	M	M	M
Energy consumption by chosen cycle A7 / W10-55 [1]	kWh	4,05	5,77	5,96	2,45	2,35	2,51
Energy consumption by chosen cycle A15 / W10-55 [2]	kWh	3,95	5,65	5,75	2,04	2,05	2,08
COP DHW (A7 / W10-55) EN 16147 [1]		3,00	3,33	3,30	2,65	2,63	2,61
COP DHW (A15 / W10-55) EN 16147 [2]		3,07	3,39	3,38	3,10	3,10	3,10
Energy Efficiency Class		A	A	A	A	A	A
Standby Input power according to EN16147	W	28	18	20	19	20	27
Sound power / Sound Pressure on 1 m	dB / dB(A)	— / 58	— / 58	— / 58	51,0 / 39,5	51,0 / 39,5	51,0 / 39,5
Refrigerant		R134a	R134a	R134a	R134a	R134a	R134a
Quantity of refrigerant	g	1.100	1.100	1.100	540	540	540
Operating range - air temperature	°C	-7 / +35	-7 / +35	-7 / +35	-7 / +35	-7 / +35	-7 / +35
Nominal air flow rate (Maximum)	m^3/min	7,5	7,5	7,5	1,7 - 3,8	1,7 - 3,8	1,7 - 3,8
Maximum pressure drop (volumetric flow rate at 5,5m^3/min (60 %)	Pa	100	100	100	—	—	—
Pressure drop by 2,5m^3/min (60 %/80 %) (Maximum) [3]	Pa	—	—	—	70 (90)	70 (90)	70 (90)
Storage Tank							
Enamelled steel tank / Protective magnesium anode		+ / +	+ / +	+ / +	+ / +	+ / +	+ / +
Average insulation thickness	mm	—	—	—	40 - 85	40 - 85	40 - 85
External source exchanger (m^2 surface / connection)		—	—	2,7 / G1	—	—	—
Electrical Specifications							
Maximum power consumption without heater / with heater	W	490 / 2.490	490 / 2.490	490 / 2.490	— / 2.350	— / 2.350	— / 2.350
Number of electrical heaters x power	W	2 x 1.000	2 x 1.000	2 x 1.000	2 x 1.000	2 x 1.000	2 x 1.000
Voltage / Frequency	V / Hz	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Electric protection	A	16	16	16	16	16	16
Moisture protection		IP24	IP24	IP24	IP24	IP24	IP24
Working pressure (Storage tank / Heat Exchanger)	Mpa (bar)	0,6 (6) / 0,9 (9)	0,6 (6) / 0,9 (9)	1,0 (10)	1,0 (10)	1,0 (10)	1,0 (10)
Maximum Temperature							
Heating with heat pump Min / Max	°C	55 / 65	55 / 65	55 / 65	55 / —	55 / —	55 / —
Heating with electrical heater	°C	75	75	75	75	75	75
Refrigerant information							
Refrigerant (R134a) [4]	kg / TCO_2 Eq.	1,100 / 1,573	1,100 / 1,573	1,100 / 1,573	0,540 / 0,772	0,540 / 0,772	0,540 / 0,772

AQUAREA DHW



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) Normal fan speed 60 %, higher fan speed - special setting on 80 %. 4) Aquarea DHW units are hermetically sealed.

* When connected as pressurised, use of safety valve is mandatory.

AQUAREA VENTILATION

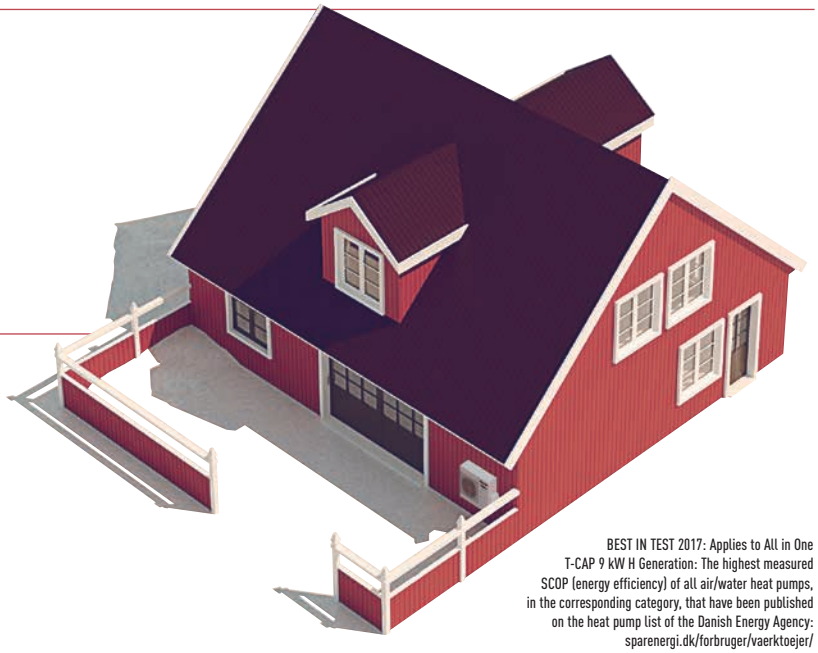
Panasonic All in One combines with the Aquarea heat recovery ventilation unit

- The right combination: an efficient heat recovery system and an efficient heat pump
- The best comfort and the best temperature in the house in summer and in winter
- The best air quality in the house

Panasonic has designed a highly efficient heat recovery unit in order to provide the best solution for demanding house builders and house owners who are looking for high performance and reliability.

Panasonic All in One, Best in Tests

- Easy to install
- Highly efficient domestic hot water production
- Small outdoor unit
- For heating and cooling the homes
- Panasonic has an installation and servicing network which covers the whole of Sweden



BEST IN TEST 2017: Applies to All in One T-CAP 9 kW H Generation: The highest measured SCOP (energy efficiency) of all air/water heat pumps, in the corresponding category, that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/

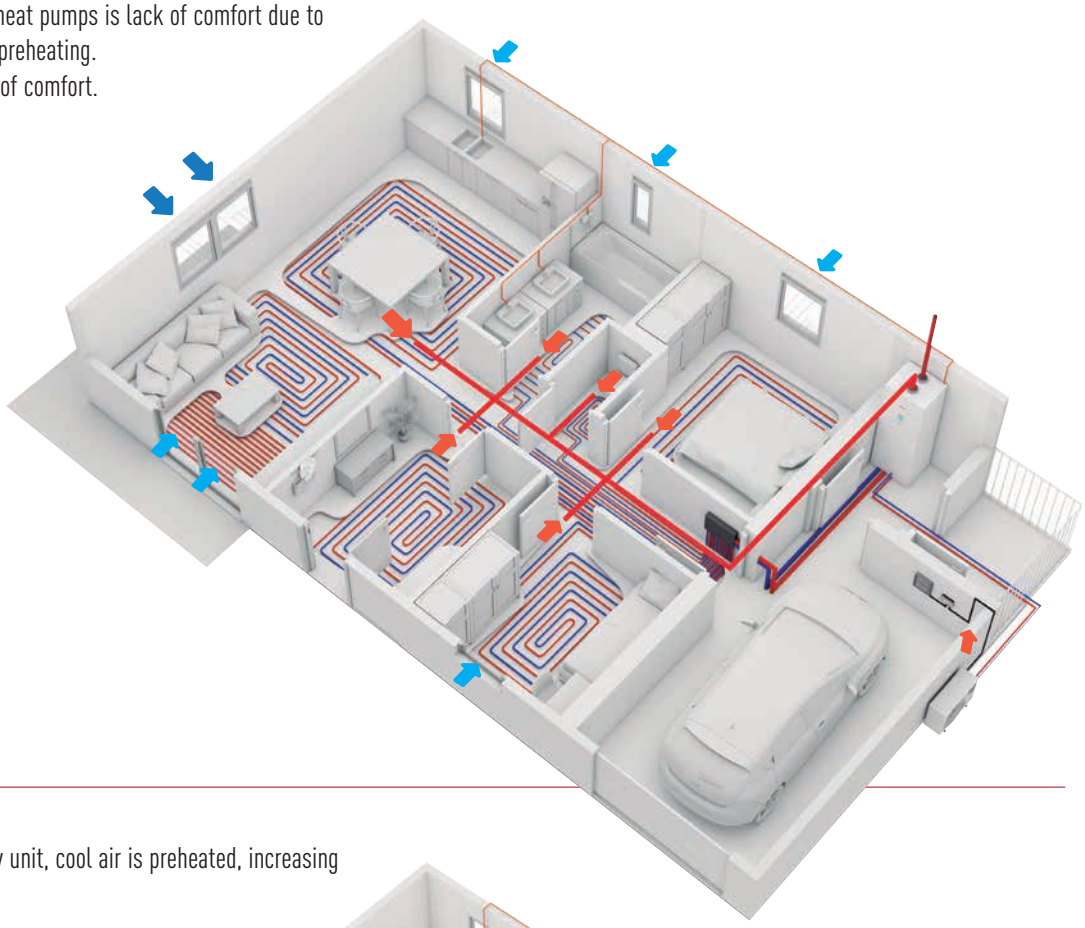
The Aquarea ventilation unit is compact and efficient

- Easy to install
- Highly efficient heat recovery system (89,4 % recovery)
- Up to 500 m^3/h
- Extremely silent unit
- For heating and cooling the home
- No cold air in rooms as all cool air is heated
- Very good ventilation and air quality in the house

Having a heat pump is associated with comfort and savings. However, not all heat pumps offer the same comfort.

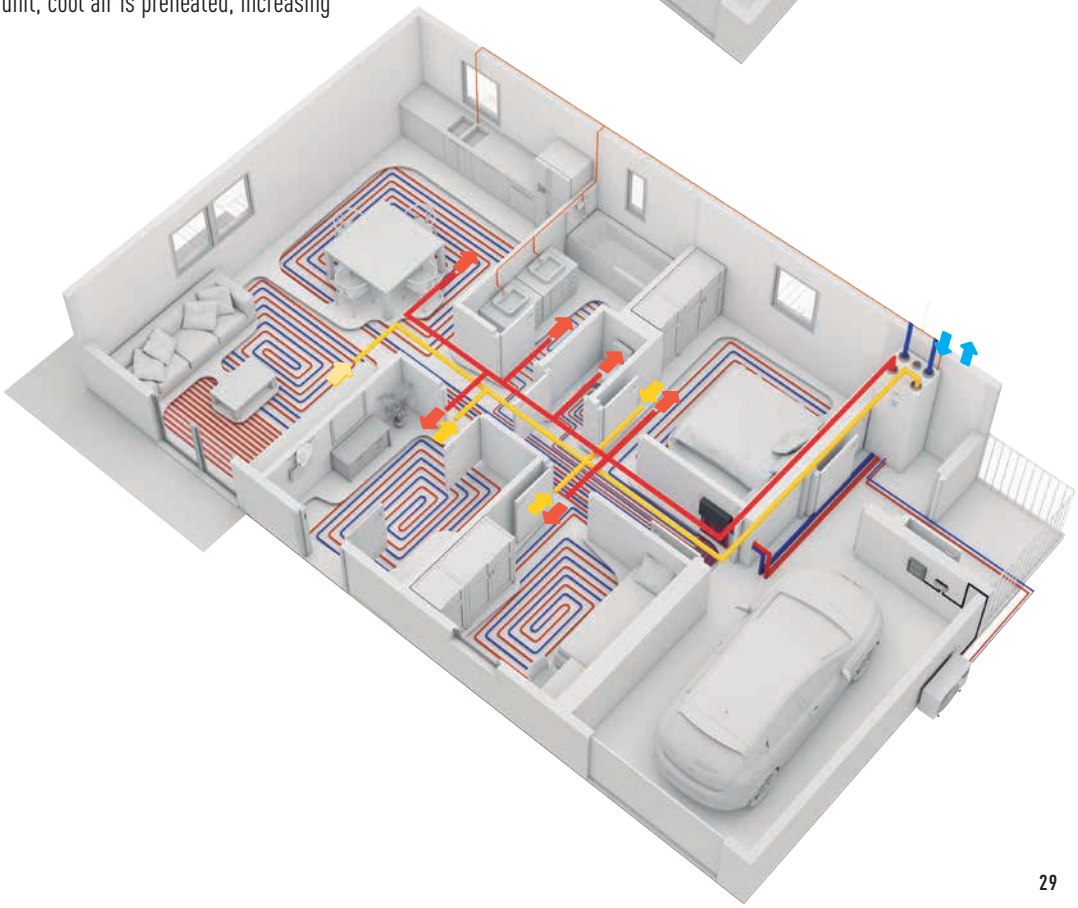
Other brands

The main problem with exhaust air heat pumps is lack of comfort due to cold air entering bedrooms without preheating.
This creates an extremely low level of comfort.



Panasonic Aquarea solutions

Thanks to Panasonic's heat recovery unit, cool air is preheated, increasing comfort.

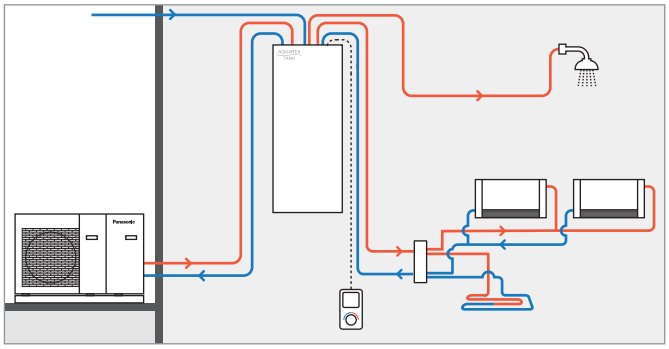


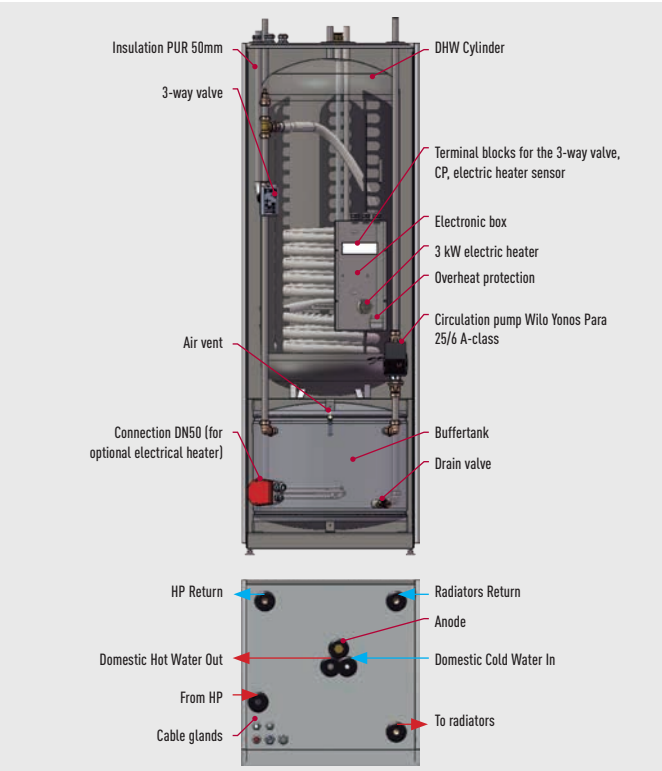
TANKS

Aquarea Tank with Buffer Tank

Designed for retrofit applications, the new DHW 200L tank with a 80l buffer tank is particularly suitable for fast integration on an existing installation. Panasonic has developed a New tank with 80L Buffer tank and 200L 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.

Aquarea Tank: Extremely Energy Efficient Solution. The full line up of Aquarea Heat pumps, from 3 kW up to 16 kW, can be combined and offer an extremely efficient solution.





Aquarea Tank

AQUAREA TANK

Aquarea Tank. Tanks and buffer tank in one!

Model				PAW-TD20B8E3-NDS
Water volume			L	185 (for DHW tank) / 80 (for buffer tank)
Maximum water temperature			°C	100
Dimension	H x W x D		mm	1.810 x 600 x 632
Weight			kg	150
Electric heater			kW	3
Power supply			V	230 - 2p
Material inside tank				Stainless steel
Exchange surface			m^2	2,3
Energy loss at 65 °C[1]			kWh/24h	1,3
A class pump	Number of speed			Stepless (800 - 4.250rpm)
	Pressure drop (Min / Max)		kPa	5 / 6
	Input power (Min / Max)		W	3 / 45
3 Way valve included				Yes
Safety thermostat with contact for failure part of E-Heating				Yes
Location of the electrical heater				Mid
Electrical backup heater on the buffer tank				Optional

Tanks

PAW-TG40C1E3STD PAW-TD20C1E5

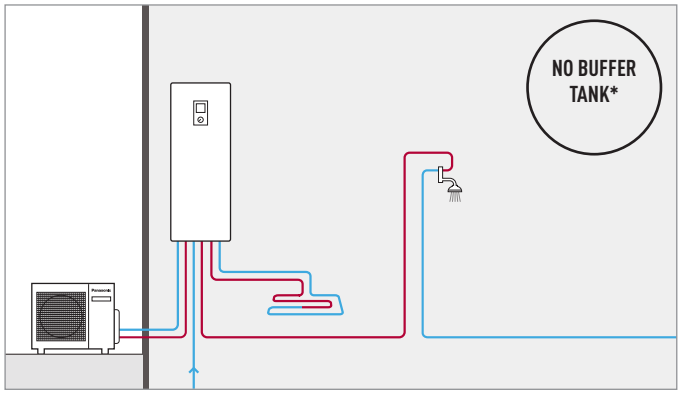
Tanks

		Stainless Steel Tank		Enamelled Tank				Enamelled 2 coils Tank (for bivalent Solar + HP)
Model		PAW-TD20C1E5	PAW-TD30C1E5	PAW-TG15C1E2	PAW-TG20C1E3STD-1	PAW-TG30C1E3STD-1	PAW-TG40C1E3STD-1	PAW-TG30C2E3STD-1
Water volume	L	192	280	150	185	285	396	284
Maximum water temperature	°C	75	75		95	95	95	95
Dimensions Hight / Diameter	mm	1.265 / 595	1.745 / 595	500 x 1.345	1.507 / 580	1.565 / 680	1.888 / 760	1.417 / 760
Weight / filled with water	kg	53 / —	65 / —		97 / 282	140 / 425	171 / 567	134 / 418
Electric heater	kW	1,5	1,5		3	3	3	3
Power supply	V	230	230	230	230	230	230	230
Material inside tank		Stainless steel	Stainless steel	Steel enamelled	Enamelled	Enamelled	Enamelled	Enamelled
Exchange surface	m^2	1,8	1,8	1,4	2,0	2,5	6,1	2,4 (for HP) +1,0 (for solar or boiler)
Energy loss at 65 °C[1]	kWh/24h	0,99	1,13		1,60	2,10	1,70	1,60
3 Way valve accessory PAW-3WYVLV-SI or CZ-NV1		Optional	Optional	Optional	Optional	Optional	Optional	Optional
20m temperature sensor cable included		Yes	Yes		Yes	Yes	Yes	Yes
Heat up time	Valuation	★★★★	★★★★		★★★☆	★★★☆	★★★☆	★★★☆
Energy losses	Valuation	★★★★	★★★★		★★★☆	★★★☆	★★★☆	★★★☆
Energy Efficiency Class		A	A	C	C	C	B	B
Warranty		2 years	2 years	2 years	2 years	2 years	2 years	2 years
Maintenance required		No	No	Yearly	Yearly	Yearly	Yearly	Yearly

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

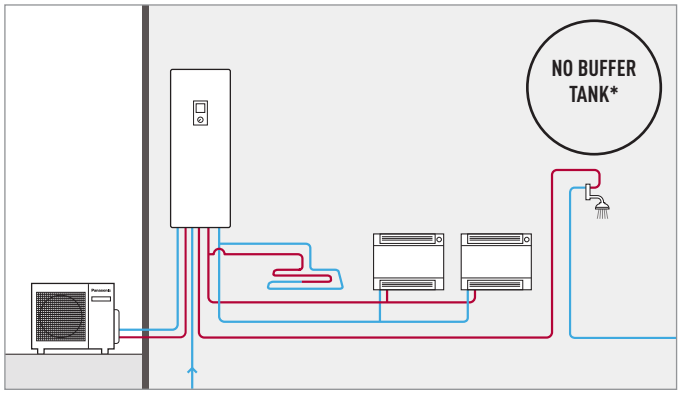
EXAMPLES OF INSTALLATIONS

Floor heating for heating application and Domestic Hot Water.



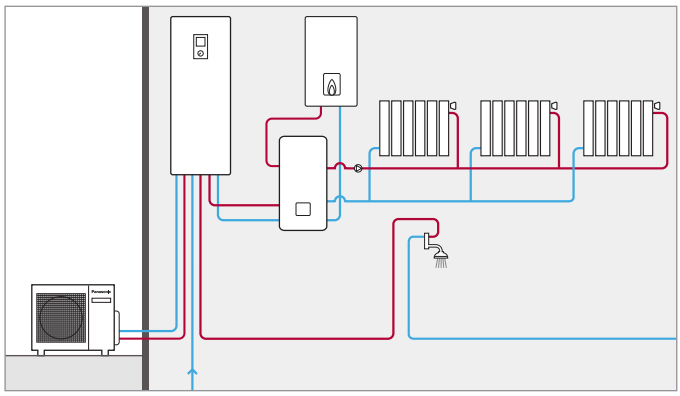
* With H Generation.

Fan coils and Floor heating for heating and cooling application and Domestic Hot Water.

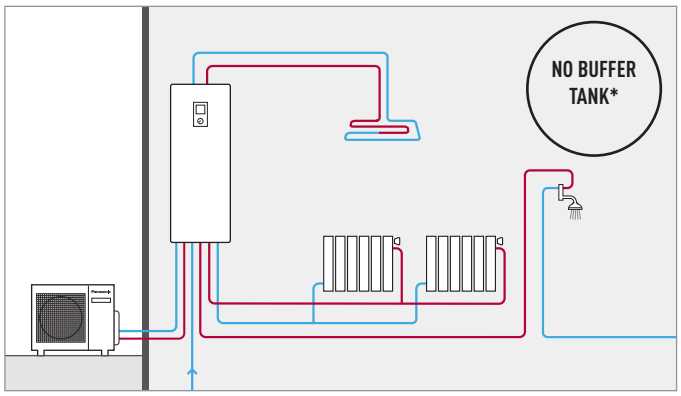


* With H Generation.

2 Heating sources: Heat pump with oil burner or gas, controled by the heat pump.

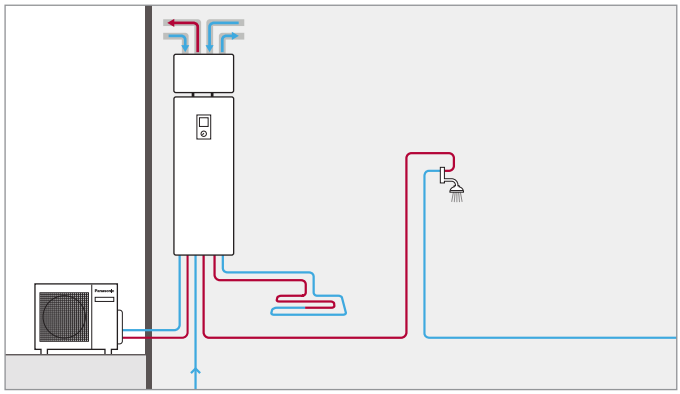


2 Zones kit included with control of 2 water temperatures (Floor heating with water at 35 °C and radiators with water at 45 °C).

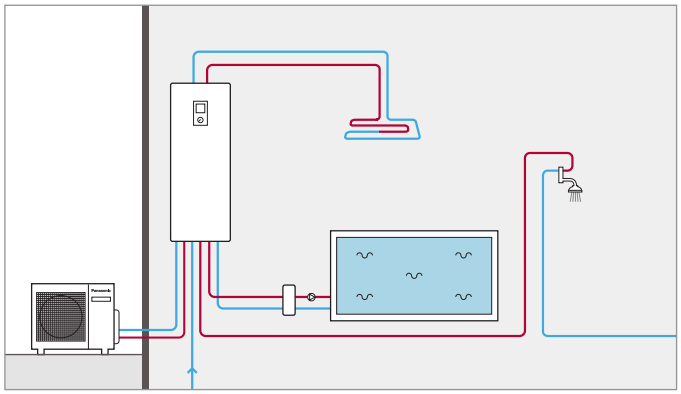


* With H Generation.

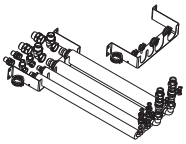
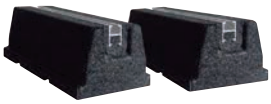
Ventilation, floor heating and Domestic Hot Water. Ventilator (Heat Recovery Unit, with water coil).



Heating with floor heating, heating of swimmingpool and Domestic Hot Water.



ACCESSORIES & CONTROL

Optional PCB's for additional functions		
	**CZ-NS2P**	PCB for solar connection kit for Mono-bloc systems
	CZ-NS3P	PCB for solar connection kit for Mono-bloc systems 6 & 9 kW
	**CZ-NS4P**	PCB for advanced functions in H Generation
Deice Accessories		
	CZ-NE1P	Base pan heater (for all old Bi-bloc and Mono-bloc, not for the 3 and 5 kW)
	CZ-NE2P	Base pan heater (for 3 and 5 kW)
	CZ-NE3P	Base pan heater (for all new F Generation products: F3, F6, F9)
Accessories for All in One		
	PAW-ADC-PREKIT-H	Flexible pipings and wall mounting plate for All in One H Generation
	**PAW-ADC-PREKIT**	Flexible pipings and wall mounting plate for All in One G 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
Accessories for Aquarea DHW		
	PAW-DHWE2C	2 kW optional electrical heater for floor standing
	PAW-DHWE3C	3 kW optional electrical heater for floor standing
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 130, 500 kg)
Hydraulic accessories		
	PAW-2PMP2ZONE	2 zone kit, hydraulic switch, manifold, 2 A-class pumps, 1 mixture valve
	PAW-A2W-2ZONECVR	2 zone kit box cover
	**PAW-A2W-2ZONEKIT**	2 zone kit
	PAW-FILTER	2 check valves + filter with 1" (no needed for H Generation)
	PAW-FILTER-ONLY	Filter with 1" (no needed for H Generation)
	PAW-A2WFILTERFLOW	Filter and water flow meter (no needed for H Generation)
	**PAW-BTANK50L**	Buffer tank 50L
	**CZ-NV1**	3 way valve ready for All in One H Generation (optional in internal space)
	PAW-3WYVLV-SI	3 way valve

Aquarea Manager Kits (not compatible with H Generation units)		
	PAW-HPM12ZONE-U	HPM with room sensor and setpoint adaptation for Bi-bloc + sensors
	PAW-HPM12ZONE-M	HPM with room sensor and setpoint adaptation for Mono-bloc + sensors
	PAW-HPM12ZONE-UF	HPM with room sensor and setpoint adaptation for F Generation Bi-bloc and Mono-bloc
	PAW-HPM12ZONE-MF	HPM with room sensor and setpoint adaptation for F Generation Bi-bloc and Mono-bloc
	PAW-HPM12ZONELCD-U	HPM with LCD wireless room thermostat for Bi-bloc + sensors
	PAW-HPM12ZONELCD-M	HPM with LCD wireless room thermostat for Mono-bloc + sensors
	PAW-HPM12ZONELCD-UF	HPM with LCD wireless room thermostat for F Generation Bi-bloc and Mono-bloc
Aquarea Manager Accessories (not compatible with H Generation units)		
	**PAW-HPM1**	Aquarea Manager with LCD
	**PAW-HPM2**	Aquarea Manager without LCD
	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-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-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-HPMR4	Room sensor + set point adaptation
	**PAW-HPMED**	Touch screen
	PAW-HPMLCD	LCD Display HPM Manager
	PAW-LANCABLE	Network cable
	PAW-A2WSWITCH	Network switch
	PAW-DEWPOINTSENSOR	Dew point sensor
	PAW-HPMUH	Outdoor temperature sensor
Room Thermostats		
	**PAW-A2W-RTWIRED**	Wired LCD room thermostat with weekly timer
	**PAW-A2W-RTWIRELESS**	Wireless LCD room thermostat with weekly timer
Controller		
	**PAW-A2W-BIV**	Bivalent controller (no needed for H Generation)
Connectivity Solutions		
	**CZ-TAW1**	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
	PAW-AW-KNX-H	KNX Interface for H Generation
	**PAW-AW-KNX-1i**	KNX Interface (no compatible with H Generation)
	PAW-AW-MBS-H	Modbus Interface for H Generation
	**PAW-AW-MBS-1**	Modbus Interface (no compatible with H Generation)
	PA-AW-WIFI-1TE	Wifi accessory with temperature sensor not compatible with H Generation

H Generation Sensors		
	**PAW-A2W-TSOD**	Outdoor ambient sensor
	**PAW-A2W-TSRT**	Zone room sensor
	PAW-A2W-TSBU	Buffer tank sensor
	**PAW-A2W-TSHC**	Zone water sensor
	**PAW-A2W-TSSO**	Solar sensor
H Generation Tools		
	**PAW-A2WLOGGER**	Data Logger: With this tool we can log data during a long period
	**PAW-A2WCHECKER**	Service checker: With this tool we will have a life monitoring at our PC

HEATING CAPACITY TABLE. Based on outlet temperature and outside temperature.

Heating Capacity Curve

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

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

Cooling Capacity Curve

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

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

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 Capacity Curve

Aquarea H Generation High Performance Bi-bloc Three Phase. Heating and Cooling - SDC

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

Cooling Capacity Curve

Aquarea H Generation High Performance Bi-bloc Three Phase. Heating and Cooling - SDC

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.

HEATING CAPACITY TABLE. Based on outlet temperature and outside temperature.

Heating Capacity Curve

Aquarea All in One T-CAP H Generation Bi-bloc Single Phase / Three Phase. Heating and Cooling

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

Cooling Capacity Curve

Aquarea All in One T-CAP H Generation Bi-bloc Single Phase / Three Phase. Heating and Cooling

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

Models	WH-UX16HE8					
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.

Heating Capacity Curve

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

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

Cooling Capacity Curve

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

	WH-UQ09HE8						WH-UQ12HE8						WH-UQ16HE8					
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

Heating Capacity Curve

Aquarea HT Bi-bloc Three Phase. Heating Only

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	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	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

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 CAPACITY TABLE. Based on outlet temperature and outside temperature.

Heating Capacity Curve

Aquarea G Generation High Performance Mono-bloc Single Phase. Heating and Cooling - MDC

WH-MDC05F3E5

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	5,00	1,82	2,75	5,00	1,95	2,56	5,00	2,20	2,27	5,00	2,45	2,04	5,00	1,68	2,99	5,00	2,90	1,72
-7	4,50	1,44	3,13	4,50	1,51	2,98	4,50	1,64	2,74	4,50	1,78	2,53	4,40	1,94	2,27	4,30	2,10	2,05
2	4,80	1,22	3,93	4,80	1,28	3,75	4,65	1,40	3,32	4,50	1,52	2,96	4,25	1,62	2,62	4,00	1,72	2,33
7	5,00	0,91	5,49	5,00	0,98	5,10	5,00	1,13	4,42	5,00	1,26	3,97	5,00	1,44	3,47	5,00	1,63	3,07
25	5,00	0,67	7,46	5,00	0,71	7,04	5,00	0,78	6,41	5,00	0,86	5,81	5,00	0,98	5,10	5,00	1,10	4,55

WH-MDC06G3E5

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	6,15	2,50	2,46	5,90	2,66	2,22	5,65	2,82	2,00	5,40	2,98	1,81	5,20	3,15	1,65	5,00	3,32	1,51
-7	5,18	1,68	3,08	5,15	1,92	2,68	5,13	2,17	2,36	5,10	2,41	2,12	5,45	2,81	1,94	5,80	3,20	1,81
2	5,00	1,23	4,07	5,00	1,45	3,45	5,00	1,68	2,98	5,00	1,90	2,63	5,00	2,19	2,28	5,00	2,48	2,02
7	6,00	1,13	5,31	6,00	1,35	4,44	6,00	1,58	3,80	6,00	1,80	3,33	6,00	2,09	2,87	6,00	2,38	2,52
25	7,30	0,78	9,36	7,10	0,93	7,63	6,90	1,09	6,33	6,70	1,24	5,40	6,50	1,41	4,61	6,30	1,58	3,99

WH-MDC09G3E5

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	7,90	3,62	2,19	7,60	3,77	2,02	7,30	3,93	1,86	7,00	4,08	1,72	6,45	4,06	1,59	5,90	4,03	1,46
-7	7,80	3,38	2,31	7,70	3,63	2,12	7,60	3,88	1,96	7,50	4,13	1,82	7,55	4,59	1,64	7,60	5,05	1,50
2	7,00	2,01	3,48	7,45	2,37	3,14	7,00	2,60	2,69	7,00	2,89	2,42	7,00	3,37	2,08	7,00	3,85	1,82
7	9,00	1,87	4,81	9,00	2,17	4,16	9,00	2,48	3,63	9,00	2,78	3,24	8,95	3,31	2,70	8,90	3,84	2,32
25	9,00	0,99	9,09	9,00	1,31	6,87	9,00	1,63	5,52	9,00	1,95	4,62	9,00	2,20	4,09	9,00	2,45	3,67

Cooling Capacity Curve

Aquarea G Generation High Performance Mono-bloc Single Phase. Heating and Cooling - MDC

WH-MDC05F3E5

Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
18	1,95	0,45	4,33	2,20	0,45	4,89	2,45	0,50	4,90
25	5,00	1,25	4,00	6,30	1,20	5,25	6,30	0,80	7,88
35	4,50	1,35	3,33	5,10	1,50	3,40	5,00	1,00	5,00
43	3,75	1,75	2,14	4,50	1,80	2,50	4,25	1,20	3,54

WH-MDC06G3E5

Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
18	4,64	0,91	5,10	5,83	0,99	5,89	6,74	0,94	7,17
25	5,85	1,43	4,09	9,55	1,73	5,52	9,81	1,68	5,84
35	5,50	2,03	2,71	6,70	2,06	3,25	7,30	2,05	3,56
43	4,56	2,34	1,95	6,31	2,47	2,55	7,14	2,45	2,91

WH-MDC09G3E5

Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
18	5,36	1,05	5,10	6,12	1,08	5,67	7,02	1,08	6,50
25	6,44	1,85	3,48	10,50	2,51	4,18	11,16	2,52	4,43
35	7,00	2,90	2,41	8,40	2,95	2,85	9,00	3,00	3,00
43	5,32	3,18	1,67	6,34	2,48	2,56	6,78	2,46	2,76

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 Capacity Curve

Aquarea G Generation T-CAP Mono-bloc Three Phase. Heating and Cooling - MXC

WH-MXC09G3E8

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-MXC12G9E8

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-MXC16G9E8

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
25	16,00	2,02	7,92	16,00	2,58	6,20	16,00	2,91	5,49	16,00	3,36	4,76	16,00	3,74	4,28	16,00	4,00	4,00

Cooling Capacity Curve

Aquarea G Generation T-CAP Mono-bloc Three Phase. Heating and Cooling - MXC

WH-MXC09G3E8

Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	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
25	7,65	1,91	4,01	11,10	1,98	5,61	7,00	1,10	6,36
35	7,00	2,21	3,17	9,23	2,37	3,89	7,00	1,35	5,19
43	6,25	2,66	2,35	8,55	2,71	3,15	5,60	1,60	3,50

WH-MXC12G9E8

Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18
18	10,00	1,75	5,71	13,20	1,96	6,73	10,00	1,40	7,14
25	11,20	2,67	4,19	16,50	3,01	5,48	10,00	1,60	6,25
35	10,00	3,56	2,81	12,55	3,63	3,46	10,00	1,95	5,13
43	8,00	3,35	2,39	10,00	3,46	2,89	8,00	2,30	3,48

WH-MXC16G9E8

Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	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

Heating Capacity Curve

Aquarea G Generation HT Mono-bloc Three Phase. Heating Only - MHF

WH-MHF09G3E8

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	13,20	1,88	7,02	9,00	2,16	4,17	9,00	2,63	3,42	9,00	3,20	2,81

WH-MHF12G9E8

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.

PANASONIC DOMESTIC AIR TO AIR HEAT PUMP

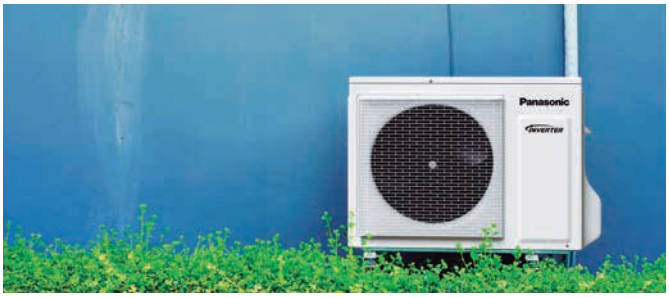
NEW DOMESTIC TECHNOLOGY '17

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.

heatcharge
FLAGSHIP
ETHEREA

New R32 gas environmentally friendly.

Compared to R22 and R410A, R32 has a very low potential impact on the depletion of ozone layer and global warming. More efficiency and less refrigerant charge needed.



New 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.

* Applies to VZ9SKE: The highest measured SCOP (energy efficiency) of all air/air heat pumps that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/

BEST IN TEST* 2016

LZ – perfect for replacing an older 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.

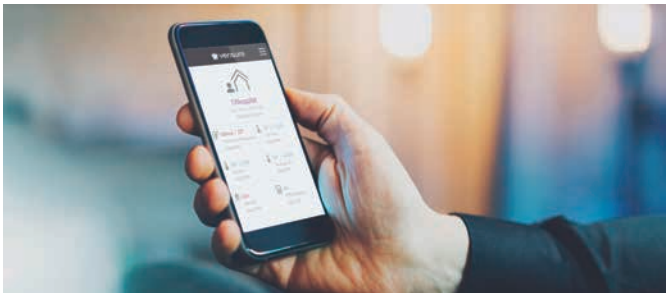
Super dust collector filter.

The new dust collector filter included on Panasonic units is able to collect dust in order to enjoy a clean and healthy air.

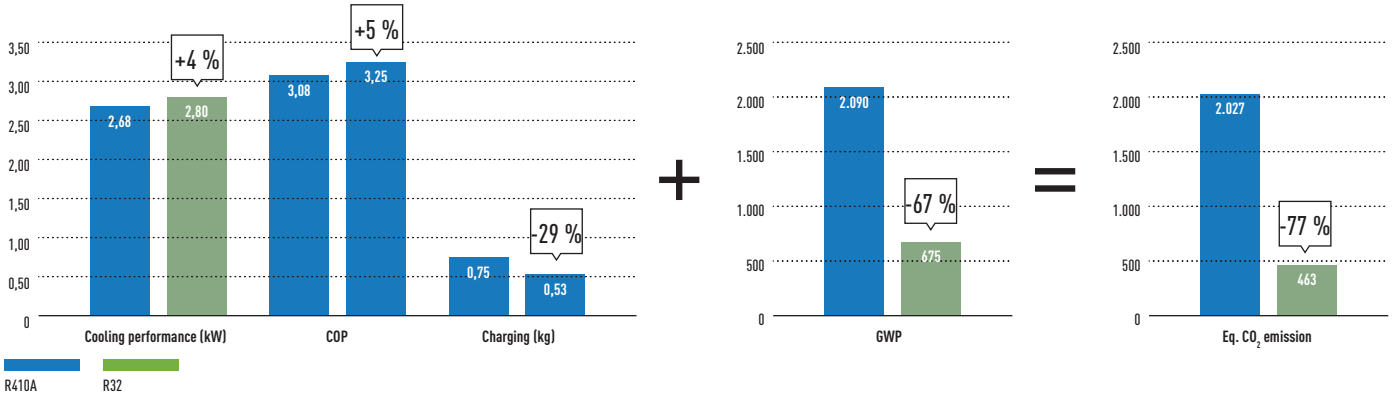
Available on: HZ25/35, LZ25/35, NZ25/35/50 and CZ25/35

Verisure.

With Verisure, your Panasonic heat pump becomes even smarter. Control and monitor your heat pump at a distance.



NEW R32 REFRIGERANT GAS



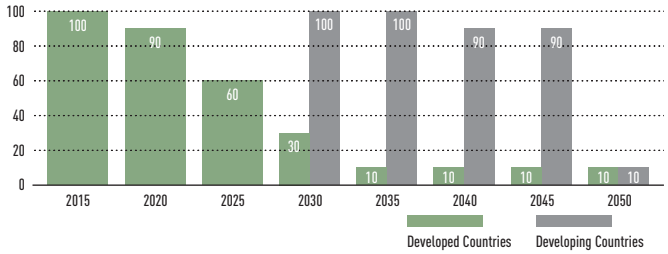
A 'small' change that changes everything

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 new generation of air conditioners with R32, an innovative refrigerant in all ways imaginable: it is easy to install, environmentally friendly 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 CE 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 new generation of air conditioners that employ the R32 refrigerant.

HCFC phase-down schedule.
Cap (Percent of Baseline)



* 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 new 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 for the R410A. (Just remember to verify that the pressure gauge and vacuum pump are compatible with the 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

	R410A	R32
Composition	Blend of 50 %. R32 + 50 % R125	Pure R32. (No blend)
GWP (Global Warming Potential)	2.087,5	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 A+++ than R410A
- R32 consumes less energy when there are extreme temperatures outside

And what does all this mean in practice?

Innovation is not just technology. It's an attitude.
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 air conditioners highly reliable and surprisingly efficient, with minimum noise impact and the lowest environmental footprint possible.
To all that we then add sophisticated and elegant designs. Our air conditioners are like that: innovative inside and beautiful outside. 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.

And what about tomorrow?
Our great challenge today: fighting to help the environment.
How to make this possible? With greater energy efficiency and minimal energy consumption, so that we reduce the use of the planet's fossil fuels. But also by using advanced refrigerants such as R32, employed in our entire home range.
Because this has always been technology's purpose: To make the impossible, possible.
At Panasonic we have a firm commitment to healthier lifestyles and to reducing global warming on the planet. For this reason, we will keep on presenting advanced, efficient and reliable solutions.
Because our commitment to innovation did not just come about today. It started when Panasonic was founded, in 1918. So we've been innovative for a long time now. And we want to take it even further.

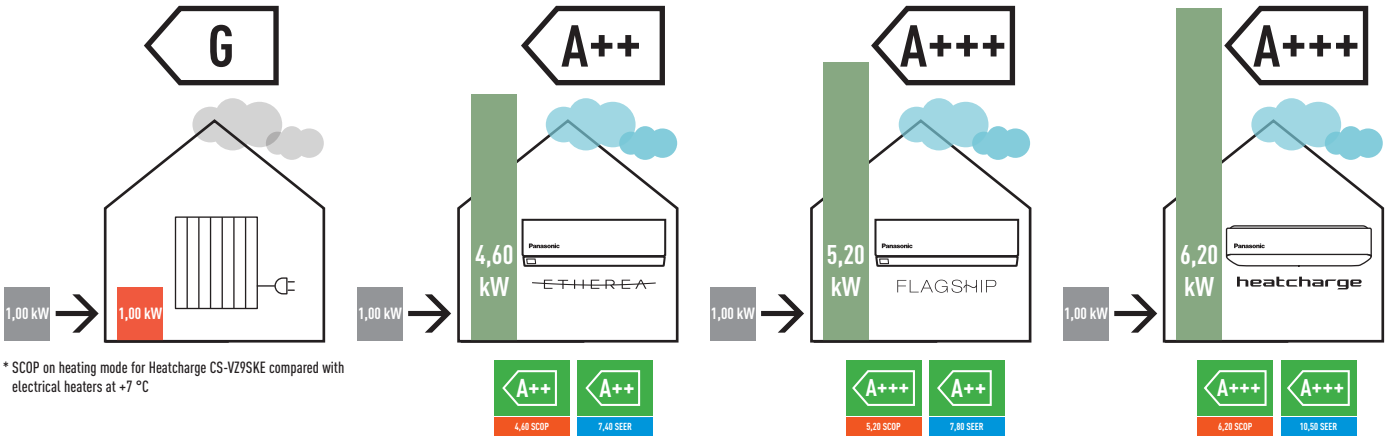
A COMPLETE SELECTION FOR NORDIC HOUSEHOLDS

Kit 1x1			
Wall Mounted VZ Heatcharge Inverter+ • R32 GAS	 CS-VZ9SKE	 CS-VZ12SKE	
Wall Mounted HZ Flagship Inverter+ • R32 GAS	 CS-HZ25TKE	 CS-HZ35TKE	
Wall Mounted LZ Retro Fit Inverter+ • R32 GAS	 CS-LZ25TKE	 CS-LZ35TKE	
Wall Mounted NZ / QZ Etherea Inverter+ White / Matt • R32 GAS	 CS-NZ25TKE  CS-QZ9SKE	 CS-NZ35TKE	 CS-NZ50TKE
Wall Mounted CZ Inverter • R32 GAS	 CS-CZ25TKE	 CS-CZ35TKE	
Floor Console Inverter+ • R410A GAS	 CS-E9GFEW-2	 CS-E12GFEW-2	 CS-E18GFEW

Heatcharge, Flagship and Etherea

New Heatcharge, Flagship and Etherea performance: the very best SEER and SCOP available.
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.

Heatcharge: Heating power and efficiency.
Energy Charge System. Heat storage unit which features Non-Stop heating and fast heating function.



* SCOP on heating mode for Heatcharge CS-VZ9SKE compared with electrical heaters at +7 °C

LZ – PERFECT FOR REPLACING AN OLDER HEAT PUMP

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.

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.

Only 249 mm high

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

Set 1x1

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 A	4,72 A
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		**W/W**	**5,00** A++	**4,90** A++
Pdesign at -10 °C		kW	–	–
Power input heating	Nominal (Min - Max)	kW	0,625 (0,165 - 1,770)	0,890 (0,165 - 2,300)
Annual electricity consumption (heating) [3]		kWh/a	840	1086
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER		**W/W**	**7,60** A++	**7,40** A++
Pdesign (cooling)		kW	–	–
Power input cooling	Nominal (Min - Max)	kW	0,505 (0,170 - 0,695)	0,855 (0,170 - 1,080)
Annual electricity consumption (cooling) [3]		kWh/a	115	166
Indoor Unit				
Power source		V	240	240
Recommended fuse		A	10	10
Air volume	Heating / Cooling	m³/min	12,5 / 9,3	13,0 / 10,5
Moisture removal volume		l/h	–	–
Sound pressure level [4]	Heating – Cooling (Hi / Lo / Q-Lo)	dB(A)	45 / 29 / 18 – 40 / 25 / 21	46 / 30 / 19 – 43 / 28 / 21
Dimensions / Weight	H x W x D	mm / kg	249 x 790 x 355 / –	249 x 790 x 355 / –
Outdoor Unit				
Air volume	Heating / Cooling	m³/min	–	–
Sound pressure level [4]	Heating – Cooling (Hi / Lo)	dB(A)	–	–
Dimensions [5] / Weight	H x W x D	mm / kg	622 x 824 x 299 / –	622 x 824 x 299 / –
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	–	–
Piping length range / Elevation difference (in/out)		m	–	–
Pipe length for additional gas / Additional gas amount		m / g/m	–	–
R32 Refrigerant amount		kg	–	–
Operation range	Heating / Cooling Min ~ Max	°C	-35 [6] ~ +24 / -15 ~ +43	-35 [6] ~ +24 / -15 ~ +43

1) COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) The annual energy consumption is calculated in accordance with the ErP directive. 4) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70 mm for piping port. 6) Tested by DTI.

SCOP and SEER: For CS-LZ25TKE. SUPER QUIET: For CS-LZ25TKE. VERISURE and INTERNET CONTROL: Optional.

Accessories	
PA-AC-WIFI-1	Full bi-directional Wi-Fi interface for internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control
CZ-RD514C	Wired remote control for wall type
CZ-CAPRA1	H Generation interface to ECOi control integration
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

Optional Verisure package	
PAW-SMTINT	Verisure Smart Energy Module - connects to the heat pump by a heat pump installer for VZ, HZ, NZ and CZ
PAW-VBOX-KIT	Verisure Smart Energy box: VBox Mini + Smart Energy Module

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

ECONAVI INTELLIGENT SENSORS

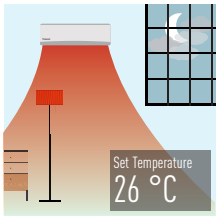
Econavi sunlight sensor

We believe that going green shouldn't compromise on comfort. That's why Panasonic is introducing the new Econavi system; combining human sensor and control program technology to detect and reduce energy waste by 38 %.
Our super silent air conditioners guarantee the purest air to take care of you and your family. And, for a cleaner living environment, the new Nanoe helps purify the air as well as your surroundings. Together, these breakthrough technologies define what Panasonic's Eco Clean Life Innovation is all about – innovations that improve our environment while making life as comfortable as possible.

Sunlight Detection (on Heating Mode)

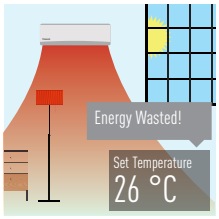
Econavi detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces heating operation (wasted energy) under more sunnier conditions.

Cloudy/Night



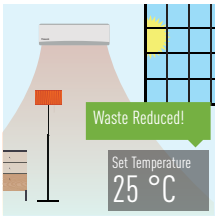
Econavi is switched on when it is cloudy/night.

Detect



Econavi detects less heating power is required.

Reduce waste

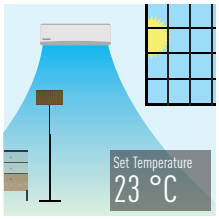


Reduces heating power by an amount equivalent to decreasing the set temperature by 1 °C.

Sunlight Detection (on Cooling Mode)

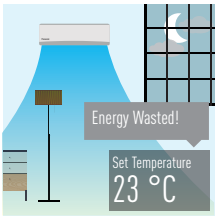
Econavi detects changes in sunlight intensity in the room and judges whether it is sunny or cloudy/night. It reduces waste energy by reducing cooling under less sunny conditions.

Sunny



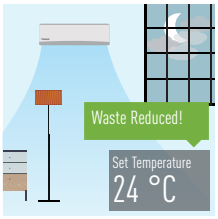
Econavi is switched on when it is sunny.

Detect



Econavi detects less cooling power is required.

Reduce waste



Reduces cooling power by an amount equivalent to increasing the set temperature by 1 °C.

Kit 1x1

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.

SP Certification Control

R32 · 38% ECONAVI · A+++ 6,20 SCOP · A+++ 10,50 SEER · INVERTER+ · R2 ROTARY COMPRESSOR · 18dB(A) SUPER QUIET · -35°C HEATING MODE TESTED BY SP · SUMMER HOUSE · R410A R32 · verisure · INTERNET CONTROL · 5 YEARS COMPRESSOR WARRANTY

BEST IN TEST 2016: Applies to VZ9SKE: The highest measured SCOP (energy efficiency) of all air/air heat pumps that have been published on the heat pump list of the Danish Energy Agency: sparenergi.dk/forbruger/vaerktoejer/. SCOP and SEER: For CS-VZ9SKE. -35 °C HEATING MODE: Heating performance tested at -35 °C by SP, European third party laboratory. VERISURE and INTERNET CONTROL: Optional.

Wall Mounted VZ Heatcharge 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	6,43 A	5,35 A
Heating capacity at -7 °C		kW	5,59	5,60
COP at -7 °C [1]		W/W	2,27	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		**W/W**	**6,20** A+++	**5,90** A+++
Pdesign at -10 °C		kW	3,60	4,20
Power input heating	Nominal (Min - Max)	kW	0,640 (0,140 - 2,720)	0,830 (0,140 - 3,160)
Annual electricity consumption (heating) [2]		kWh/a	812	995
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,60 - 3,00)	3,50 (0,60 - 4,00)
SEER		**W/W**	**10,50** A+++	**10,00** A+++
Pdesign (cooling)		kW	2,5	3,5
Power input cooling	Nominal (Min - Max)	kW	0,430 (0,140 - 0,610)	0,800 (0,140 - 1,010)
Annual electricity consumption (cooling) [2]		kWh/a	83	122
Indoor Unit				
Power source		V	230	230
Recommended fuse		A	13	13
Air volume	Heating / Cooling	m³/min	17,0 / 17,0	17,5 / 17,5
Sound pressure level [3]	Heating — Cooling (Hi / Lo / Q-Lo)	dB(A)	44 / 26 / 18 — 44 / 27 / 18	45 / 29 / 18 — 45 / 33 / 18
Dimensions / Weight	H x W x D	mm / kg	295 x 798 x 375 / 14,5	295 x 798 x 375 / 14,5
Outdoor Unit				
Air volume	Heating / Cooling	m³/min	31,5 / 33,0	31,5 / 34,2
Sound pressure level [3]	Heating / Cooling (Hi)	dB(A)	49 / 49	50 / 50
Dimensions [4] / Weight	H x W x D	mm / kg	630 x 799 x 299 / 39,5	630 x 799 x 299 / 39,5
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)
Piping length range / Elevation difference (in/out)		m	3 – 15 / 5	3 – 15 / 5
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 20	7,5 / 20
R32 Refrigerant amount		kg	1,05	1,10
Operation range	Heating / Cooling Min – Max	°C	-35 – +24 / -10 – +43	-35 – +24 / -10 – +43

Accessories	
PA-AC-WIFI-1	Interface for IntesisHome
PAW-IR-WIFI-1	IR Wifi interface for Internet control
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

Optional Verisure package	
PAW-SMTINT	Verisure Smart Energy Module - connects to the heat pump by a heat pump installer for VZ, HZ, NZ and CZ
PAW-VBOX-KIT	Verisure Smart Energy box: VBox Mini + Smart Energy Module

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure level of the units shows the value measured of a position 1 meter in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70 mm for piping port.

Wall Mounted HZ Flagship Inverter+ • R32 GAS

Maximum capacity			6,65 kW	7,75 kW
Indoor Unit			**CS-HZ25TKE**	**CS-HZ35TKE**
Outdoor Unit			**CU-HZ25TKE**	**CU-HZ35TKE**
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 6,65)	4,20 (0,85 - 7,75)
COP [1]		W/W	5,61 A	5,00 A
Heating capacity at -7 °C [2]		kW	4,10	4,70
COP at -7 °C [1]		W/W	2,61	2,44
Heating capacity at -15 °C [2]		kW	4,08	4,60
COP at -15 °C [1]		W/W	2,39	2,36
Heating capacity at -20 °C [2]		kW	3,55	3,95
COP at -20 °C [1]		W/W	2,18	2,17
Heating capacity at -25 °C [2]		kW	3,00	3,50
COP at -25 °C [1]		W/W	2,01	2,00
SCOP		**W/W**	**5,20** A+++	**5,10** A+++
Pdesign at -10 °C		kW	3,00	3,80
Power input heating	Nominal (Min - Max)	kW	0,57 (0,165 - 1,760)	0,840 (0,165 - 2,270)
Annual electricity consumption (heating) [3]		kWh/a	808	1.043
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER		**W/W**	**7,80** A+++	**7,60** A+++
Pdesign (cooling)		kW	2,50	3,50
Power input cooling	Nominal (Min - Max)	kW	0,455 (0,170 - 0,670)	0,830 (0,170 - 0,990)
Annual electricity consumption (cooling) [3]		kWh/a	112	161
Indoor Unit				
Power source		V	230	230
Recommended fuse		A	10	10
Air volume	Heating / Cooling	m³/min	15,0 / 12,3	15,4 / 13,2
Moisture removal volume		l/h	1,5	2,0
Sound pressure level [4]	Heating — Cooling (Hi / Lo / Q-Lo)	dB(A)	44 / 24 / 18 — 39 / 25 / 20	45 / 25 / 18 — 42 / 28 / 20
Dimensions / Weight	H x W x D	mm / kg	295 x 870 x 255 / 10	295 x 870 x 255 / 10
Outdoor Unit				
Air volume	Heating / Cooling	m³/min	34,0 / 33,1	35,6 / 34,4
Sound pressure level [4]	Heating — Cooling (Hi / Lo)	dB(A)	47 / 44 — 46 / 43	50 / 47 — 48 / 45
Dimensions [5] / Weight	H x W x D	mm / kg	622 x 824 x 299 / 38	622 x 824 x 299 / 38
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)
Piping length range / Elevation difference (in/out)		m	3 ~ 20 / 10	3 ~ 20 / 10
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 20	7,5 / 20
R32 Refrigerant amount		kg	1,12	1,12
Operation range	Heating / Cooling Min ~ Max	°C	-35 ~ +24 / +16 ~ +43	-35 ~ +24 / +16 ~ +43

Accessories	
PA-AC-WIFI-1	Full bi-directional Wi-Fi interface for internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control
CZ-RD514C	Wired remote control for wall type
CZ-CAPRA1	H Generation interface to ECOi control integration
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

Optional Verisure package	
PAW-SMTINT	Verisure Smart Energy Module - connects to the heat pump by a heat pump installer for VZ, HZ, NZ and CZ
PAW-VBOX-KIT	Verisure Smart Energy box: VBox Mini + Smart Energy Module

1) COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) The annual energy consumption is calculated in accordance with the ErP directive. 4) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70 mm for piping port.

SCOP and SEER: For CS-HZ25TKE. VERISURE and INTERNET CONTROL: Optional.

Wall Mounted NZ / QZ Etherea Inverter+ White / Matt • R32 GAS

Maximum capacity			6,00 kW	6,00 kW	7,20 kW	8,20 kW
Indoor Unit			**CS-NZ25TKE**	**CS-QZ9SKE**	**CS-NZ35TKE**	**CS-NZ50TKE**
Outdoor Unit			**CU-NZ25TKE**	**CU-QZ9SKE**	**CU-NZ35TKE**	**CU-NZ50TKE**
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 6,00)	3,40 (0,85 - 6,00)	4,00 (0,85 - 7,20)	5,80 (0,98 - 8,20)
COP [1]		W/W	4,86 A	4,86 A	4,40 A	3,15 B
Heating capacity at -7 °C [2]		kW	3,80	3,80	4,50	5,10
COP at -7 °C [1]		W/W	2,45	2,45	2,09	2,27
Heating capacity at -15 °C [2]		kW	3,20	3,20	4,10	4,90
COP at -15 °C [1]		W/W	2,18	2,18	2,09	2,23
Heating capacity at -20 °C [2]		kW	2,60	2,60	3,50	4,15
COP at -20 °C [1]		W/W	1,93	1,93	1,98	2,11
Heating capacity at -25 °C [2]		kW	2,00	2,00	2,90	3,70
COP at -25 °C [1]		W/W	1,60	1,60	1,81	1,90
SCOP		**W/W**	**4,60** A++	**4,60** A++	**4,60** A++	**4,40** A+
Pdesign at -10 °C		kW	2,80	2,80	3,60	4,40
Power input heating	Nominal (Min - Max)	kW	0,700 (0,165 - 1,630)	0,700 (0,165 - 1,630)	0,910 (0,165 - 2,300)	1,520 (0,340 - 2,600)
Annual electricity consumption (heating) [3]		kWh/a	852	852	1.096	1.400
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)	5,00 (0,98 - 6,00)
SEER		**W/W**	**7,40** A++	**7,40** A++	**7,10** A++	**7,30** A++
Pdesign (cooling)		kW	2,50	2,50	3,50	5,00
Power input cooling	Nominal (Min - Max)	kW	0,510 (0,170 - 0,700)	0,510 (0,170 - 0,700)	0,860 (0,170 - 1,100)	1,440 (0,280 - 1,990)
Annual electricity consumption (cooling) [3]		kWh/a	118	255	173	240
Indoor Unit						
Power source		V	230	230	230	230
Recommended fuse		A	10	10	10	13
Air volume	Heating / Cooling	m³/min	12,1 / 10,4	12,1 / 10,4	12,4 / 11,1	19,3 / 17,9
Moisture removal volume		l/h	1,5	1,5	2,0	2,8
Sound pressure level [4]	Heating — Cooling (Hi / Lo / Q-Lo)	dB(A)	42 / 27 / 19 — 39 / 25 / 21	42 / 27 / 19 — 39 / 25 / 21	44 / 30 / 19 — 42 / 28 / 21	44 / 37 / 34 — 44 / 37 / 34
Dimensions / Weight	H x W x D	mm / kg	295 x 919 x 194 / 9	295 x 919 x 194 / 9	295 x 919 x 194 / 10	295 x 1.070 x 255 / 13
Outdoor Unit						
Air volume	Heating / Cooling	m³/min	32,2 / 32,2	32,2 / 32,2	35,6 / 34,4	39,2 / 39,2
Sound pressure level [4]	Heating — Cooling (Hi / Lo)	dB(A)	48 / 45 — 46 / 43	48 / 45 — 46 / 43	50 / 47 — 48 / 45	49 — 48
Dimensions [5] / Weight	H x W x D	mm / kg	622 x 824 x 299 / 37	622 x 824 x 299 / 37	622 x 824 x 299 / 38	701 x 875 x 320 / 47
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out)		m	3 ~ 20 / 10	3 ~ 20 / 10	3 ~ 20 / 10	3 ~ 20 / 15
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 10	7,5 / 10	7,5 / 10	7,5 / 20
R32 Refrigerant amount		kg	0,96	0,96	1,00	
Operation range	Heating / Cooling Min ~ Max	°C	-35 ~ +24 / -15 ~ +43	-35 ~ +24 / -15 ~ +43	-35 ~ +24 / -15 ~ +43	-35 ~ +24 / -15 ~ +43

Accessories	
PA-AC-WIFI-1	Full bi-directional Wi-Fi interface for internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control
CZ-RD514C	Wired remote control for wall type
CZ-CAPRA1	H Generation interface to ECOi control integration
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

Optional Verisure package	
PAW-SMTINT	Verisure Smart Energy Module - connects to the heat pump by a heat pump installer for VZ, HZ, NZ and CZ
PAW-VBOX-KIT	Verisure Smart Energy box: VBox Mini + Smart Energy Module

NZ Etherea Glossy

QZ Etherea Matt

CS-NZ50TKE

1) COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) The annual energy consumption is calculated in accordance with the ErP directive. 4) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70 mm for piping port.

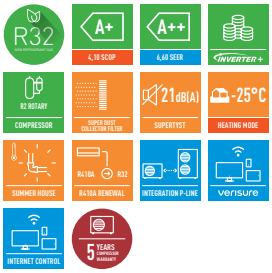
iF DESIGN AWARD 2017: Etherea White awarded with the prestigious IF Design Award 2017. SCOP and SEER: For CS-NZ25TKE and CS-QZ9SKE. SUPER QUIET: For CS-NZ25TKE, CS-QZ9SKE and CS-NZ35TKE. VERISURE and INTERNET CONTROL: Optional.

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

Kit 1x1

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 A	4,08 A
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		**W/W**	**4,10** A+	**4,10** A+
Pdesign at -10 °C		kW	2,80	3,60
Power input heating	Nominal (Min - Max)	kW	0,730 (0,180 - 1,450)	0,980 (0,180 - 2,000)
Annual electricity consumption (heating) [3]		kWh/a	956	1.229
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 4,00)
SEER		**W/W**	**6,60** A++	**6,30** A++
Pdesign (cooling)		kW	2,50	3,50
Power input cooling	Nominal (Min - Max)	kW	0,535 (0,185 - 0,730)	0,935 (0,185 - 1,140)
Annual electricity consumption (cooling) [3]		kWh/a	133	194
Indoor Unit				
Power source		V	230	230
Recommended fuse		A	10	10
Air volume	Heating / Cooling	m³/min	11,8 / 11,1	12,8 / 12,0
Moisture removal volume		l/h	1,5	2,0
Sound pressure level [4]	Heating — Cooling (Hi / Lo / Q-Lo)	dB(A)	40 / 27 / 21 — 39 / 25 / 22	42 / 33 / 21 — 42 / 28 / 22
Dimensions / Weight	H x W x D	mm / kg	290 x 850 x 199 / 8	290 x 850 x 199 / 8
Outdoor Unit				
Air volume	Heating / Cooling	m³/min	29,7 / 31,3	32,1 / 32,9
Sound pressure level [4]	Heating — Cooling (Hi / Lo)	dB(A)	47 / 44 — 46 / 43	50 / 47 — 48 / 45
Dimensions [5] / Weight	H x W x D	mm / kg	622 x 824 x 299 / 36	622 x 824 x 299 / 36
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)
Piping length range / Elevation difference (in/out)		m	3 ~ 20 / 10	3 ~ 20 / 10
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 10	7,5 / 10
R32 Refrigerant amount		kg	0,83	0,86
Operation range	Heating / Cooling Min ~ Max	°C	-25 ~ +24 / +16 ~ +43	-25 ~ +24 / +16 ~ +43



1) COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) Capacity of the heat pump is tested with powerful mode with deice mode included. 3) The annual energy consumption is calculated in accordance with the ErP directive. 4) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 5) Add 70 mm for piping port.

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

Accessories	
PA-AC-WIFI-1	Full bi-directional Wi-Fi interface for internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control
CZ-RD514C	Wired remote control for wall type
CZ-CAPRA1	H Generation interface to ECOi control integration
PAW-SMSCONTROL	Control by SMS (need additional SIM card)

Optional Verisure package	
PAW-SMTINT	Verisure Smart Energy Module - connects to the heat pump by a heat pump installer for VZ, HZ, NZ and CZ
PAW-VBOX-KIT	Verisure Smart Energy box: VBox Mini + Smart Energy Module

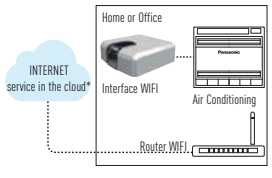
Floor Console Inverter+ • R410A GAS

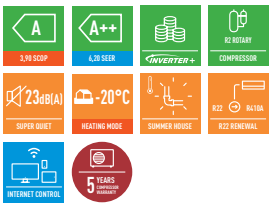
Maximum capacity			5,00 kW	6,00 kW	7,10 kW
Indoor Unit			**CS-E9GFEW-2**	**CS-E12GFEW-2**	**CS-E18GFEW**
Outdoor Unit			**CU-E9PFE**	**CU-E12PFE**	**CU-E18PFE**
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,00)	4,00 (0,85 - 6,00)	5,80 (0,98 - 7,10)
COP [1]		W/W	4,20 A	4,00 A	3,63 A
Heating capacity at -7 °C		kW	2,88	3,37	3,87
COP at -7 °C		W/W	2,38	2,26	
SCOP		**W/W**	**3,80** A	**3,80** A	**3,90** A
Pdesign at -10 °C		kW	2,70	3,20	4,4
Power input heating		kW	0,810	1,000	1,600
Annual electricity consumption (heating) [2]		kWh/a	995	1.179	1.579
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,50 (0,85 - 3,80)	5,00 (0,98 - 5,60)
SEER		**W/W**	**6,10** A++	**5,80** A+	**6,20** A++
Pdesign (cooling)		kW	2,50	3,50	5,00
Power input cooling		kW	0,560	0,940	1,540
Annual electricity consumption (cooling) [2]		kWh/a	143	211	282
Indoor Unit					
Power source		V	230	230	230
Recommended fuse		A	10	10	13
Air volume	Heating / Cooling	m³/min	9,6 / 9,3	10,0 / 9,5	11,0 / 13,0
Moisture removal volume		l/h	1,4	2,0	2,8
Sound pressure level [3]	Cooling — Heating (Hi / Lo / Q-Lo)	dB(A)	38 / 27 / 23 — 38 / 27 / 23	39 / 27 / 23 — 39 / 28 / 24	44 / 36 / 32 — 46 / 36 / 32
Dimensions / Weight	H x W x D	mm / kg	600 x 700 x 210 / 14	600 x 700 x 210 / 14	600 x 700 x 210 / 14
Outdoor Unit					
Air volume	Heating / Cooling	m³/min	29,8 / 29,8	33,3 / 33,3	37,9 / 39,2
Sound pressure level [3]	Heating / Cooling (Hi)	dB(A)	47 / 46	50 / 48	47 / 48
Sound power level	Heating / Cooling (Hi)	dB	62 / 61	65 / 63	62 / 61
Dimensions [4] / Weight	H x W x D	mm / kg	542 x 780 x 289 / 33	619 x 824 x 299 / 34	695 x 875 x 320 / 46
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out)		m	3 ~ 15 / 5	3 ~ 15 / 5	3 ~ 20 / 15
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 20	7,5 / 20	7,5 / 20
Operation range	Heating / Cooling Min ~ Max	°C	-20 ~ +24 / +16 ~ +43	-20 ~ +24 / +16 ~ +43	-20 ~ +24 / +16 ~ +43

Summer house with IntesisHome*, an innovative function which maintains the house at 8 / 10 °C in order to avoid freezing of the pipes during winter. This function is highly appreciated for summer cabins and vacation homes.*

*Reference: PAW-IR-WIFI-1

Control your air conditioning from wherever you are!





Accessories	
PAW-IR-WIFI-1	IR Wifi interface for Internet control

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure level of the units shows the value measured of a position 1 metre in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. Q-Lo: Quiet mode. Lo: The lowest fan speed. 4) Add 70 mm for piping port

SCOP and SEER: For CS-E9GFEW-2. SUPER QUIET: For CS-E9GFEW-2 and CS-E12GFEW-2. INTERNET CONTROL: Optional.

Choose the correct model

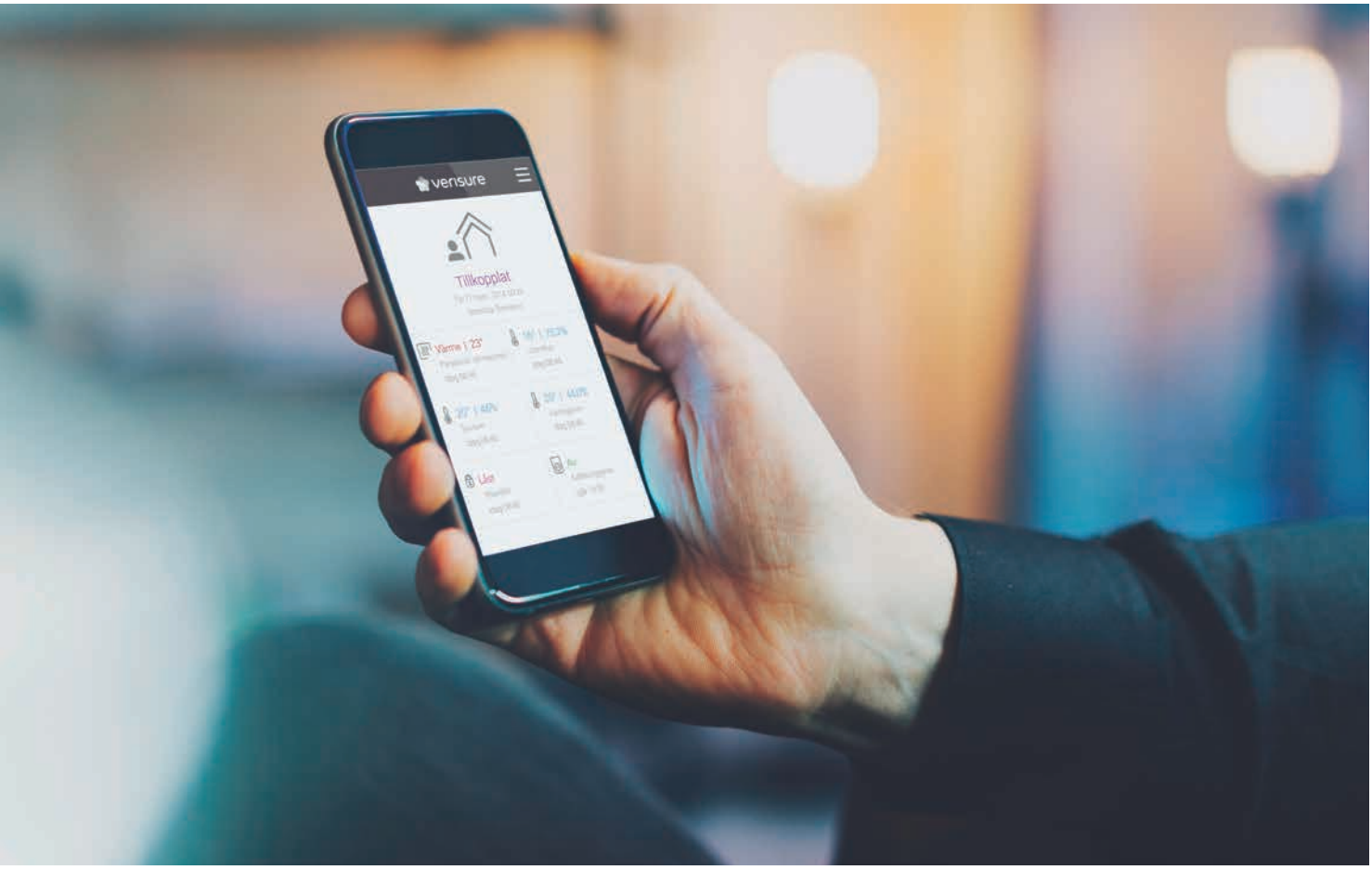
In order to maximize comfort and savings, it is important that you choose the correct model of your heat pump. A heat pump with too little or too much power will not be able to provide the desired savings. A heat pump with an insufficient air flow rate will not manage to distribute heat in a larger building. 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	E9 / E12 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
Maximum capacity					
9,20 kW	7,75 kW	7,65 kW	7,20 kW	6,70 kW	7,10 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+++	**5,20** A+++	**5,00** A++	**4,60** A++	**4,10** A+	**3,90** A
No cold air dumping when defrosting					
✔					
Highest energy class (A+++)					
✔	✔				
Tested by SP down to -35 °C					
✔	✔		✔		
Lowest sound level (18 dB(A))					
✔	✔	✔			
Air purification					
✔	✔	✔	✔		
R32 Gas					
✔	✔	✔	✔	✔	
Compatible with Internet control					
✔	✔	✔	✔	✔	✔ (IR)
Summer cottage function					
✔	✔	✔	✔	✔	✔ with IR
Econavi					
✔	✔		✔		
Replacement model					
		✔	✔		

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

CONTROL AND CONNECTIVITY



Aware of the importance of both control and connectivity in offering the best comfort at the lowest price, Panasonic offers its customers cutting-edge technology, specially designed to ensure our air conditioning systems deliver maximum performance. You can properly manage the air conditioning and perform comprehensive monitoring and control from anywhere in the world thanks to the internet applications Panasonic has created for you.

New Domestic integration to P-Line - CZ-CAPRA1

Can connect all ranges to P-Line. Full control is now possible.

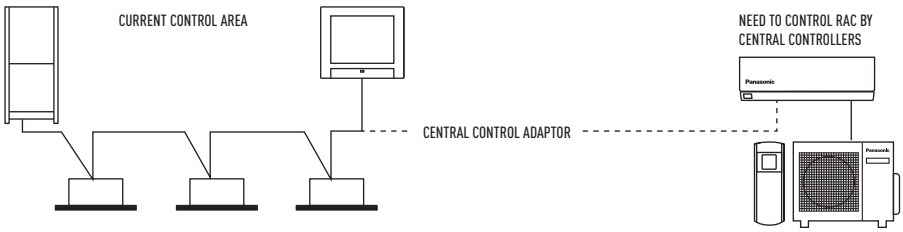
Integrates any unit in big system control

- 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: 1.024 Indoor Units



Current system for PACi / VRF. Central controller can connect to S-link line to control units directly.

→

Request: We want to control RAC unit (which does not have S-link protocol) by Central controllers.

→

It's necessary to have interface between S-link and RAC protocol to cover basic operating items.

Basic operation items	
ON/OFF	✔
Mode select	✔
Temperature setting	✔
Fan speed	✔
Flap setting	✔
Remote control prohibit	✔
Econavi ON/OFF	✔

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.

Verisure

With Verisure, your Panasonic heat pump becomes even smarter.
As an exclusive maker of heat pumps, Panasonic is included in Verisure's system for connected smart homes.
The first real result of the cooperation is a completely new integrated solution with Panasonic air/air heat pumps and the Verisure well established platform for the smart home. The solution means that the heat pumps are connected to a number of services for the smart home. Thus, users get control of their energy systems, security solutions and other functions included in the connected smart home. All functions are handled via the Verisure app.

Read more on www.verisure.se and www.aircon.panasonic.se

Control and monitor your heat pump at a distance

- Turn the heat pump on and off
- Set required temperature
- Set fan speed and control air flow direction
- Choose mode (heat, cool, dry, fan, heat+8, auto)

Integrate with Verisure's system for smart homes
If in addition you have the Verisure alarm system in your home, you can increase your heating efficiency further. Through the smoke detector, you get e.g. information about temperature and humidity levels in the various rooms of the house, which gives greater comfort and better control over the family's energy needs.

Get better control of your energy consumption.
New functions are introduced continuously in the Verisure app. Shortly, there will be an update, which enables you to compare your energy expenditure over time.

Easy connectivity

CN-CNT easy to access. Previous Etherea indoor unit had to be dismantle to reach connector.

Can easier connect:
Wifi accessory, KNX, Modbus, New CZ-CAPRA1 to integrate to PACi control

Accessories

Accessories Interfaces		
 IntesisHome	**PA-AC-WIFI-1**	Interface for IntesisHome for Etherea, Mini cassettes and mini concealed ducts models
 IntesisHome	**PAW-IR-WIFI-1**	IntesisHome IS-IR-WIFI-1 device is an easy to install and small device which allows connectivity with the IntesisHome application and connects with your climate system using Infrared (IR). The device enables the control of the Panasonic RAC units without CN-CNT connector (TZ, UZ, GFE and Free Multi lines). Specific features: • ON/OFF, mode, set point, fan speed, vanes and room temperature • Easy installation (no special electrical work needed) • Feedback to the IntesisHome system when changes are made from the infrared remote controller. General IntesisHome features: • Calendar scheduler • Scenes • Control from anywhere • Several languages
 KNX	**PAW-AC-KNX-1i**	This new KNX interface allows full bi-directional monitoring and control of all the functioning parameters of the air conditioner control from KNX installations. Small dimensions. • Quick installation and possibility of hidden installation • External power not required • Direct connection to the AC indoor unit (split unit or Multi split unit) • Fully KNX compatible. Control and monitoring, from sensors or gateways, of the internal variables of the indoor unit and error codes and indication • Use the air conditioner ambient temperature or the one measured by a KNX temperature sensor or Thermostat • AC unit can be controlled simultaneously by the remote control of the AC unit and by KNX devices • Advanced control functions: use it as a room controller • 4 binary inputs. They work as standard KNX binary inputs as well as being used to control the AC directly
 Modbus®	**PAW-AC-MBS-1**	This new Modbus interface allows full bi-directional monitoring and control of all the functioning parameters of the air conditioner control from Modbus installations. Small dimensions. • Quick installation and possibility of hidden installation • External power not required • Direct connection to the AC indoor unit (split unit or Multi split unit) • Fully Modbus compatible. Control and monitoring, from sensors or gateways, of the internal variables of the indoor unit and error codes and indication • Use the air conditioner ambient temperature or the one measured by a Modbus temperature sensor or Thermostat • AC unit can be controlled simultaneously by the remote control of the AC unit and by Modbus devices • Advanced control functions: use it as a room controller • 4 binary inputs. They work as standard Modbus binary inputs as well as being used to control the AC directly
 BACnet™	**PAW-AC-BAC-1**	This interface allows a complete and natural integration of Panasonic air conditioners into either BACnet IP or MS/TP networks. • Quick installation and possibility of hidden installation • External power not required • Direct connection to the AC indoor unit • Total Control and Supervision. Real states of the AC unit's internal variables • Allows using simultaneously the IR and wired remote controls and BACnet.

enocean	**PAW-AC-ENO-1i**	This new EnOcean interface allows monitoring and control, fully bi-directionally, all the functioning parameters of the air conditioner control from EnOcean installations. Small dimensions. • Quick installation and possibility of hidden installation • External power not required • Direct connection to the AC indoor unit (split unit) • Fully EnOcean compatible. Control and monitoring, from sensors or gateways, of the internal variables of the indoor unit and error codes and indication • Use the air conditioner ambient temperature or the one measured by an EnOcean temperature sensor or Thermostat • AC unit can be controlled simultaneously by the remote control of the AC unit and by EnOcean devices • Advanced control functions: use it as a room controller • 4 binary inputs. They work as standard EnOcean binary inputs as well as being used to control the AC directly
 PCB DRY CONTACT	**PAW-AC-DIO**	Dry contact ON/OFF Interface. Panasonic has developed for hotels applications a dry contact PCB which works with Etherea, TZ, UZ and YE indoor units in order to control simply the unit centrally. • ON/OFF signal by 3rd party BMS • PCB connected to CN-RMT port on Indoor Unit PCB
	CZ-CAPRA1	Domestic with CZ-CNT port integration to PACi and ECOi
	PAW-AC-HEAT-1	Heating only PCB for Etherea, 4-Way 60x60 cassette and Low static pressure hide away
	PAW-SMSCONTROL	Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card)
Individual Controls		
	**CZ-RD514C**	Wired remote control for wall type for Etherea, RE, UE and PE models
Verisure interfaces		
 verisure	**PAW-SMTINT**	Verisure Smart Energy Module - connects to the heat pump by a heat pump installer for VZ, HZ, NZ and CZ
 verisure	**PAW-VBOX-KIT**	Verisure Smart Energy box: VBox Mini + Smart Energy Module

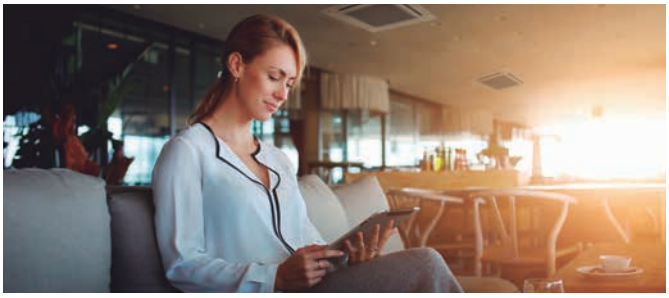
PANASONIC COMMERCIAL AIR TO AIR

NEW PACi TECHNOLOGY '17

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 and thus reduce energy costs.

New PACi 90x90 Cassette.

Thanks to advances in design and technology, such as the new high-performance turbo fan for improved efficiency and silence, the nanoe air cleaner for overall health, and the floor temperature and humidity sensor for more control, the new PU2 Panasonic 90x90 4-way cassette is the best in the industry in terms of energy savings, health and comfort.



New Panasonic Big PACi Series PE2.

Panasonic breaks new ground in offering high performance and power in a small space. The 8-10 HP from Panasonic is ideally suited for large retail applications and other large areas not needing the higher capacities of VRF systems.

New Panasonic Mini PACi Series PE2.

New outdoor PACi Elite from 3,6 kW to 6,0 kW and PACi Standard 6,0 kW to 7,1 kW, all made in Japan.
Fully new outdoor design with last generation compressor. Higher performance, better partial load and lighter unit (up to 35 % less in the 6 HP PACi Elite). Includes control consumption, 0-10V demand control and all latest remote controller's functionalities.

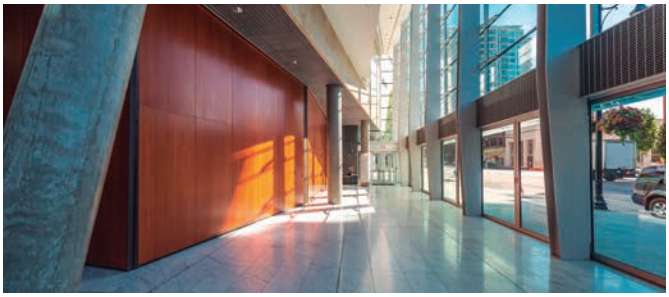
Server room solutions.

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.

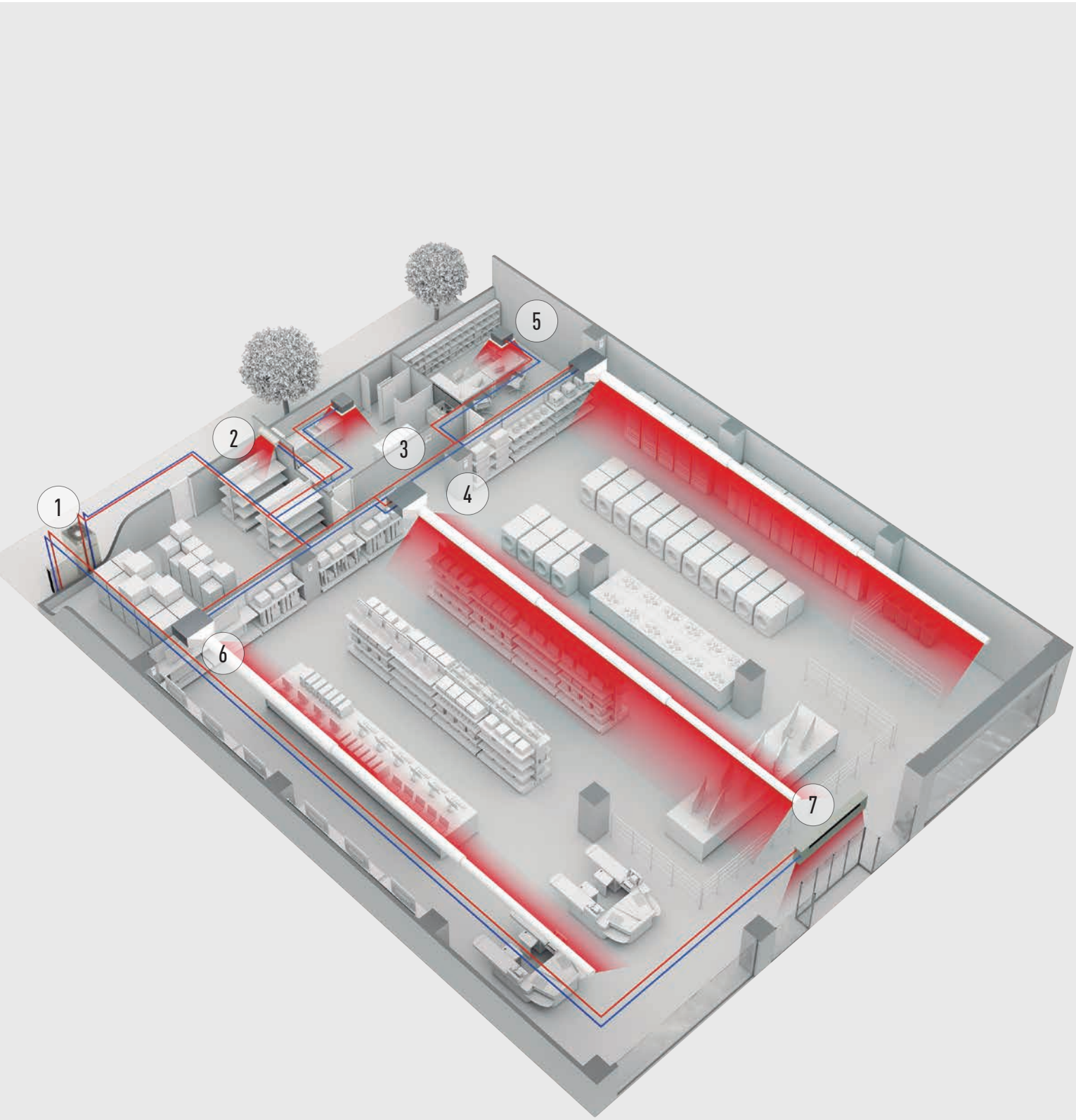
New control CZ-RTC5A.
Ready to control 2 PACi systems with backup and alternate operation.

Complete AHU Solution.

Demand control 0-10V, box IP65 case, cold draft prevention, monitoring status digital output, remote control built-in.



INNOVATIVE SOLUTIONS FOR RETAIL



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: lowest CO_2 emissions
- Comfort - maximum satisfaction
- Future expansion
- Panasonic is definitely the most efficient system 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

1a 1b 1c 1d

Multi energy solutions, gas or electric.
The Multi energy solution (Gas and Electric) from Panasonic gives the best of the 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

2

PKEA outdoor unit for server room.
Steady cooling, nonstop, even at -22 °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.

3

Control your way.
Wide variety of controls, from simple user control to full system control via remote access functionality. Touch panel, web server, consumption control, smartphone control... everything is possible.

4

Panasonic 4 kW Condensing unit with natural refrigerant.
Panasonic now offers a reliable and environmentally friendly condensing unit for commercial refrigeration. This 4 kW condensing unit is suitable for refrigeration and freezer applications in gas stations and convenient stores.

5

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 maximum guests comfort. From 1,5 kW up to 30 kW.

6

Hide Away, for power and efficiency.
Super silent units deliver the ideal air supply. Units available from 1,5 kW providing precise temperature control even in small rooms. Two models available: slim unit for height restricted areas (MM unit only 200mm deep), another which allows 100 % fresh air (MF).

7

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.

MULTI SPLIT AND FREE MULTI SYSTEM

Panasonic offers widest range in Multi split systems

3 types of Multi split range from 3,5 to 10 kW for 5 indoor units with one outdoor unit.

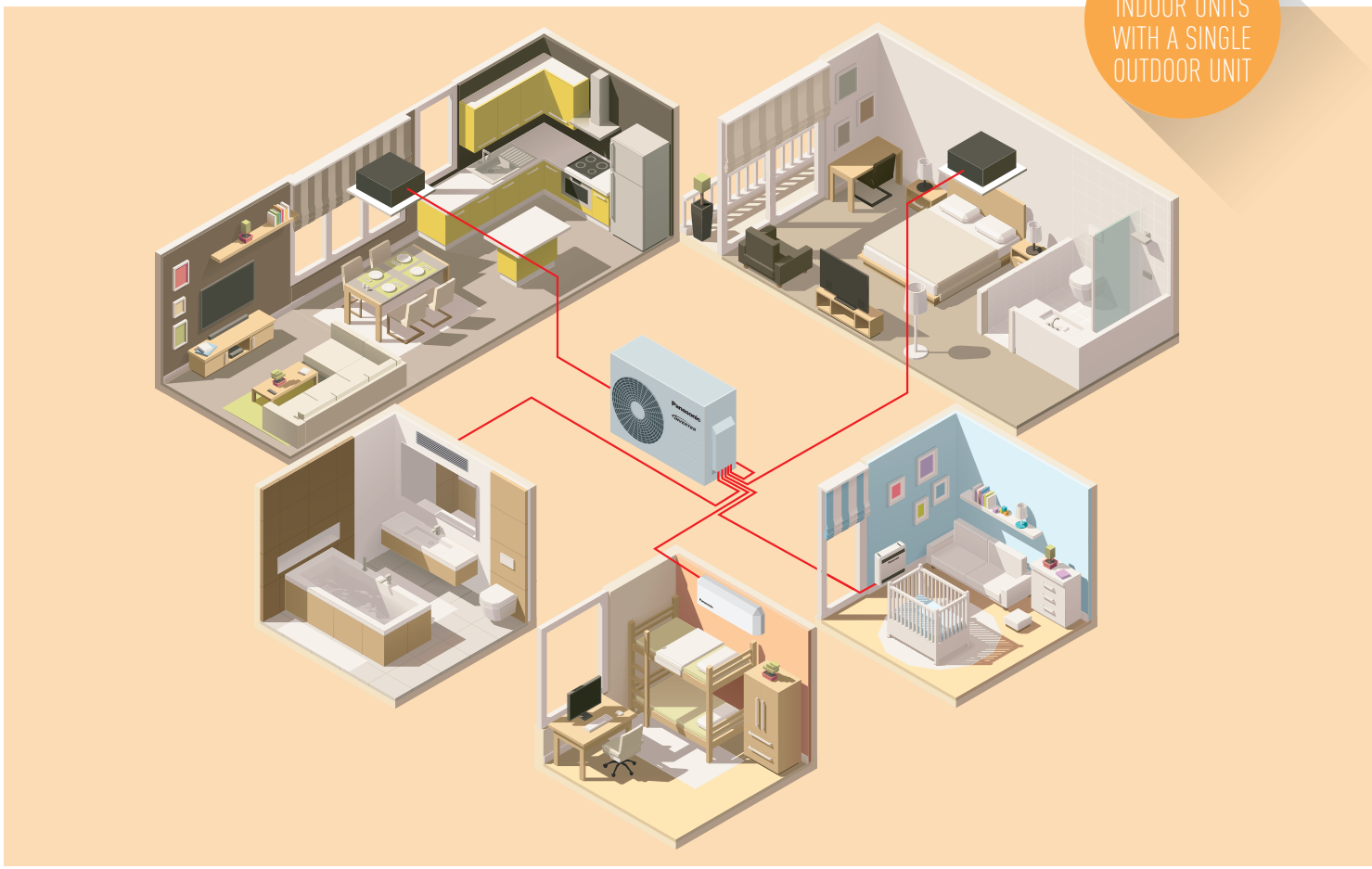
New Multi Z with R32	Multi E with R410A	Multi RE Compact Style
Full flexibility up to 10 kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A+++/A++ and using new generation refrigerant R32	Full flexibility up to 10 kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units, reaching up to A++/A+	From 4,4 to 5,2 kW for wall Compact Style unit (TZ/TE), reaches A++/A+

					Indoor units			
Line up	**Refrigerant**	**Capacities**	**Indoor Unit ports**	**Efficiency up to**	**Compact Style**	**Duct**	**Cassette**	**Floor Console**
Multi Z	R32	8 units (3,5 ~ 10 kW)	2~5	**A+++/A++**	Yes	Yes	Yes	
Multi E	R410A	8 units (3,5 ~ 10 kW)	2~5	**A++/A+**	Yes	Yes	Yes	Yes
Multi RE	R410A	3 units (4,4 ~ 5,2 kW)	2~3	**A++/A+**	Yes			

Multi split systems

Day & Night	Simultaneous
Ideal for 2 day and night areas. Simultaneous use possible.	When indoor units are most time working at same time.

UP TO 5 INDOOR UNITS WITH A SINGLE OUTDOOR UNIT



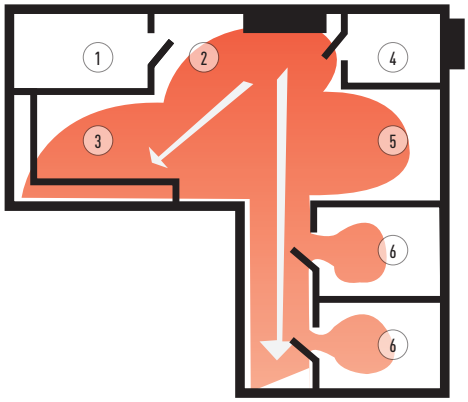
Why a Multi Split is better than several separate split units

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

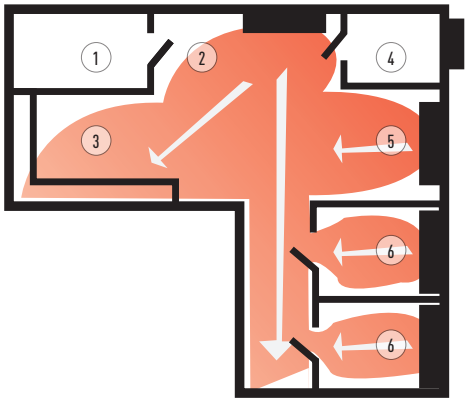
Solution with single split.

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 Multi Split.

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

Free Multi System Z • R32 GAS

CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE

CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE

CU-4Z80TBE / CU-5Z90TBE

Outdoor Unit Free Multi System Z • R32 GAS

Tentative data

System Capacity (Min - Max Indoor Cooling Capacity Nominal)			**3,2 to 5,7 kW**	**3,2 to 6,0 kW**	**3,2 to 7,7 kW**	**4,5 to 9,5 kW**	**4,5 to 11,2 kW**	**4,5 to 11,5 kW**	**4,5 to 13,6 kW**	**4,5 to 17,5 kW**
Unit			**CU-2Z35TBE**	**CU-2Z41TBE**	**CU-2Z50TBE**	**CU-3Z52TBE**	**CU-3Z68TBE**	**CU-4Z68TBE**	**CU-4Z80TBE**	**CU-5Z90TBE**
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)	12,00 (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) A	4,79 (5,24 - 3,91) A	4,63 (5,24 - 4,00) A	4,72 A	3,95 (5,32 - 3,64) A	4,47 (5,17 - 3,96) A	4,52 (6,00 - 3,46) A	4,20 (6,42 - 3,42) A
SCOP		**W/W**	**4,60** A++	**4,60** A++	**4,60** A++	**4,20** A+	**4,20** A+	**4,20** A+	**4,00** A+	**4,00** A+
Pdesign at -10 °C		kW	3,2	3,5	4,2	5,0	5,2	5,8	8,0	10,0
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 (3,20 - 2,17)	2,15 (0,62 - 2,86)	1,90 (0,58 - 2,68)	2,08 (0,70 - 3,06)	2,86 (0,53 - 4,24)
Annual electricity consumption (heating) [2]		kWh/a	974	1.065	1.278	1.667	1.733	1.933	–	–
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 (1,90-7,20)	6,80 (1,90 - 8,00)	6,80 (1,90 - 8,80)	8,00 (3,00 - 9,20)	10,00 (2,90 - 11,50)
EER [1]	Nominal (Min - Max)	W/W	4,86 (6,00 - 4,09) A	4,56 (6,00 - 3,80) A	4,24 (5,00 - 3,62) A	4,95 A	3,66 (7,04 - 3,38) A	4,39 (5,59 - 3,56) A	4,04 (5,66 - 3,21) A	3,5 (5,27 - 2,98) A
SEER		**W/W**	**8,50** A+++	**8,50** A+++	**8,50** A+++	**8,50** A+++	**8,00** A++	**8,00** A++	**7,00** A++	**6,50** A++
Pdesign (cooling)		kW	3,5	4,1	5,0	5,2	6,8	6,8	8,0	10,0
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)	2,86 (0,55 - 3,86)
Annual electricity consumption (cooling) [2]		kWh/a	144	169	206	214	298	298	–	–
Current	Cooling / Heating	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	–	–
Power source		V	230	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20	25
Sound pressure [3]	Cooling / Heating (Hi)	dB(A)	48 / 50	48 / 50	50 / 52	47 / 48	51 / 52	49 / 50	–	–
Dimensions [4]	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)
Elevation difference (in/out)	Max	m	10	10	10	15	15	15	15	15
Piping length total	Min ~ Max	m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 50	3 ~ 60	3 ~ 60	–	–
Piping length to one unit	Min ~ Max	m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25
Pipe length for additional gas / Additional gas amount		m / g/m	20 / 15	20 / 15	20 / 15	30 / 20	30 / 20	30 / 20	–	–
Operating range	Cooling Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating Min ~ Max	°C	-25 ~ +24	-25 ~ +24	-25 ~ +24	-25 ~ +24	-25 ~ +24	-25 ~ +24	-25 ~ +24	-25 ~ +24

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 0,8m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70 or 95mm for piping port.
Minimum quantity of connection: 2 indoor units.

Possible outdoor / indoor units combinations • R32 GAS

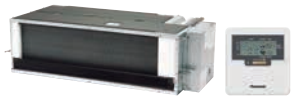
	Wall Mounted TZ Compact Style								Low Static Pressure Hide Away								4 Way 60x60 Cassette							
	16	20	25	35	42	50	60	71	16	20	25	35	42	50	60	71	16	20	25	35	42	50	60	71
CU-2Z35TBE // 3,2 - 5,7 kW // 2 Rooms	✔	✔	✔	✔							✔	✔							✔	✔				
CU-2Z41TBE // 3,2 - 6,0 kW // 2 Rooms	✔	✔	✔	✔							✔	✔							✔	✔				
CU-2Z50TBE // 3,2 - 7,7 kW // 2 Rooms	✔	✔	✔	✔	✔	✔					✔	✔		✔[1]					✔	✔		✔[1]		
CU-3Z52TBE // 4,5 - 9,5 kW // 3 Rooms	✔	✔	✔	✔	✔	✔					✔	✔		✔[1]					✔	✔		✔[1]		
CU-3Z68TBE // 4,5 - 11,2 kW // 3 Rooms	✔	✔	✔	✔	✔	✔	✔[1]				✔	✔		✔[1]					✔	✔		✔[1]	✔[1]	
CU-4Z68TBE // 4,5 - 11,5 kW // 4 Rooms	✔	✔	✔	✔	✔	✔	✔[1]				✔	✔		✔[1]					✔	✔		✔[1]	✔[1]	
CU-4Z80TBE // 4,5 - 13,6 kW // 4 Rooms	✔	✔	✔	✔	✔	✔	✔[1]	✔[1]			✔	✔		✔[1]					✔	✔		✔[1]	✔[1]	
CU-5Z90TBE // 4,5 - 17,5 kW // 5 Rooms	✔	✔	✔	✔	✔	✔	✔[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 CZ-MA3P pipe reducer on the 71.

INTERNET CONTROL: Optional.

Wall Mounted TZ Compact Style

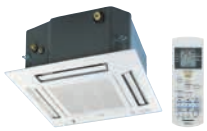
			1,6 kW	2,0 kW	2,5 kW	3,2 kW	4,0 kW	5,0 kW	6,0 kW	7,1 kW
Indoor Unit			**CS-MTZ16TKE**	**CS-TZ20TKEW**	**CS-TZ25TKEW**	**CS-TZ35TKEW**	**CS-TZ42TKEW**	**CS-TZ50TKEW**	**CS-TZ60TKEW**	**CS-TZ71TKEW**
Heating capacity		kW / kCal/h	2,60 / 2.240	3,20 / 2.750	3,60 / 3.010	4,50 / 3.870	5,60 / 4.820	6,80 / 5.850	8,70 / 8.260	8,60 / 7.395
Cooling capacity		kW / kCal/h	1,60 / 1.380	2,00 / 1.720	2,50 / 2.150	3,20 / 2.750	4,00 / 3.440	5,00 / 4.300	7,00 / 6.580	7,10 / 6.105
Connection		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	–
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	–	38 / 26 / 23	40 / 27 / 24	42 / 33 / 25	44 / 35 / 28	44 / 37 / 34	45 / 37 / 30	47 / 38 / 35
	Cooling (Hi / Lo / S-Lo)	dB(A)	–	37 / 25 / 20	40 / 26 / 20	42 / 30 / 20	44 / 31 / 29	44 / 37 / 34	45 / 37 / 30	47 / 38 / 35
Dimensions	H x W x D	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	302 x 1.102 x 244	302 x 1.102 x 244	302 x 1.102 x 244
Net weight		kg	8	8	8	8	8	12	12	13
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)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8(15,88)



INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.

Low Static Pressure Hide Away

			2,5 kW	3,2 kW	5,0 kW
Indoor			**CS-E9PD3EA**	**CS-E12QD3EAW**	**CS-E18RD3EAW**
Heating capacity		kW / kCal/h	3,20 / 2.752	4,00 / 3.440	6,10 / –
Cooling capacity		kW / kCal/h	2,50 / 2.150	3,40 / 2.920	5,10 / –
Connection		mm²	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	35 / 28 / 25	36 / 28 / 25	41 / 32 / 29
	Cooling (Hi / Lo / S-Lo)	dB(A)	33 / 27 / 24	34 / 27 / 24	41 / 30 / 27
Dimensions	H x W x D	mm	235 x 750 x 370	235 x 750 x 370	200 x 750 x 640
Net weight		kg	17	17	19
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)



Panel
CZ-BT20E (sold separately)

INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.

4 Way 60x60 Cassette

			2,5 kW	3,2 kW	5,0 kW	6,0 kW
Indoor / Panel			**CS-E9PB4EA / CZ-BT20E**	**CS-E12PB4EA / CZ-BT20E**	**CS-E18RB4EAW / CZ-BT20E**	**CS-E21RB4EAW / CZ-BT20E**
Heating capacity		kW / kCal/h	3,20 / 2.752	4,50 / 3.870	5,60 / 4.820	7,00 / 6.020
Cooling capacity		kW / kCal/h	2,50 / 2.150	3,40 / 2.920	5,00 / 4.300	5,90 / 5.070
Connection		mm²	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	35 / 28 / 25	35 / 28 / 25	38 / 29 / 26	43 / 34 / 31
	Cooling (Hi / Lo / S-Lo)	dB(A)	34 / 26 / 23	34 / 26 / 23	37 / 28 / 25	42 / 33 / 30
Dimensions / Net weight	Indoor H x W x D	mm / kg	260 x 575 x 575 / 18	260 x 575 x 575 / 18	260 x 575 x 575 / 18	260 x 575 x 575 / 18
	Panel H x W x D	mm / kg	51 x 700 x 700 / 2,5	51 x 700 x 700 / 2,5	51 x 700 x 700 / 2,5	51 x 700 x 700 / 2,5
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)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)

1) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 2) The specification listed on the table indicates values under the condition of 29 Pa (3,0mmAq) which are applied for factory default setting. Change switch on PCB from Hi to S-Hi to have more than 6,0mmAq.

Outdoor Multi combination model		**Accessory**
CS-MZ16TKE / CS-MTZ16TKE CS-XZ20TKEW / CS-Z20TKEW / CS-TZ20TKEW / CS-TE20TKEW CS-XZ25TKEW / CS-Z25TKEW / CS-TZ25TKEW / CS-TE25TKEW / CS-E9PD3EA / CS-E9PB4EA CS-XZ35TKEW / CS-Z35TKEW / CS-TZ35TKEW / CS-TE35TKEW / CS-E12QD3EAW / CS-E12PB4EA	CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	–
CS-Z42TKEW / CS-E15QKEW / CS-TZ42TKEW / CS-TE42TKEW CS-XZ50TKEW / CS-Z50TKEW / CS-TZ50TKEW / CS-TE50TKEW / CS-E18RD3EAW / CS-E18RB4EAW	CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA1P
CS-E21RB4EAW	CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE	CZ-MA2P
CS-Z71TKEW / CS-TZ71TKEW	CU-4Z80TBE / CU-5Z90TBE	CZ-MA3P

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".

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

Free Multi System E • R410A GAS

CU-2E12SBE / CU-2E15SBE / CU-2E18SBE

CU-3E18PBE / CU-3E23SBE / CU-4E23PBE

CU-4E27PBE / CU-5E34PBE

Outdoor Unit Free Multi System E • R410A GAS

System Capacity (Min - Max Indoor Cooling Capacity Nominal)			3,2 to 5,7 kW	3,2 to 5,7 kW	3,2 to 7,5 kW	4,5 to 9,0 kW	4,5 to 11,0 kW	4,5 to 11,0 kW	4,5 to 13,6 kW	4,5 to 17,5 kW
Unit			CU-2E12SBE	CU-2E15SBE	CU-2E18SBE	CU-3E18PBE	CU-3E23SBE	CU-4E23PBE	CU-4E27PBE	CU-5E34PBE
Heating capacity	Nominal (Min - Max)	kW	4,40 (1,10 - 5,60)	5,40 (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 - 10,40)	9,40 (4,20 - 10,60)	12,00 (3,40 - 14,50)
Heating capacity at -7 °C		kW	3,54	3,54	3,65	4,90	6,05	6,05	7,08	8,85
COP [1]		W/W	4,63 (5,24 - 4,41)	4,62 (5,24 - 4,19)	4,63 (5,24 - 4,24)	4,69 (3,93 - 5,00)	4,07 (5,32 - 3,74)	4,47 (4,08 - 5,17)	4,52 (6,00 - 3,46) A	4,20 (6,42 - 3,42) A
SCOP		**W/W**	**4,00** A+	**4,00** A+	**4,00** A+	**4,00** A+	**4,00** A+	**4,00** A+	**4,00** A+	**4,00** A+
Pdesign at -10 °C		kW	4,0	4,0	4,2	4,8	5,2	5,5	8,0	10,0
Input power heating	Nominal (Min - Max)	kW	0,95 (0,21 - 1,27)	1,17 (0,21 - 1,67)	1,21 (0,21 - 1,70)	1,41 (0,32 - 2,18)	2,09 (0,62 - 2,78)	1,85 (0,58 - 2,60)	2,08 (0,70 - 3,06)	2,86 (0,53 - 4,24)
Annual electricity consumption (heating) [2]		kWh/a	1.400	1.400	1.470	1.680	1.820	1.925	2.800	3.500
Cooling capacity	Nominal (Min - Max)	kW	3,60 (1,50 - 4,50)	4,50 (1,50 - 5,20)	5,20 (1,50 - 5,40)	5,20 (1,80 - 7,30)	6,80 (1,90 - 8,00)	6,80 (1,90 - 8,00)	8,00 (3,00 - 9,20)	10,00 (2,90 - 11,50)
EER [1]		W/W	4,50 (6,00 - 4,09)	3,66 (6,00 - 3,42)	3,42 (6,00 - 3,42)	4,33 (5,00 - 3,24)	3,56 (7,04 - 3,38)	4,05 (5,59 - 3,56)	4,04 (5,66 - 3,21) A	3,5 (5,27 - 2,98) A
SEER		**W/W**	**6,50** A++	**6,50** A++	**6,50** A++	**7,00** A++	**7,00** A++	**7,00** A++	**7,00** A++	**6,50** A++
Pdesign (cooling)		kW	3,6	4,5	5,2	5,2	6,8	6,8	8,0	10,0
Input power cooling	Nominal (Min - Max)	kW	0,80 (0,25 - 1,10)	1,23 (0,25 - 1,52)	1,52 (0,25 - 1,58)	1,27 (0,36 - 2,25)	1,91 (0,27 - 2,37)	1,68 (0,34 - 2,47)	1,98 (0,53 - 2,87)	2,86 (0,55 - 3,86)
Annual electricity consumption (cooling) [2]		kWh/a	194	242	280	260	955	340	400	538
Current	Cooling / Heating	A	3,75 / 4,20	5,75 / 5,20	7,10 / 5,35	5,30 / 6,70	8,40 / 9,60	7,50 / 8,80	9,40 / 9,80	13,20 / 13,40
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 [3]	Cooling / Heating (Hi)	dB(A)	47 / 49	47 / 49	49 / 51	46 / 47	50 / 51	50 / 51	51 / 52	53 / 54
Dimensions [4]	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 229	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)
Elevation difference (in/out)	Max	m	10	10	10	15	15	15	15	15
Piping length total	Min ~ Max	m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 50	- ~ 60	- ~ 60	- ~ 80	- ~ 80
Piping length to one unit	Min ~ Max	m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25	3 ~ 25
Pipe length for additional gas / Additional gas amount		m / g/m	20 / 15	20 / 15	20 / 15	30 / 20	30 / 20	30 / 20	45 / 20	45 / 20
Operating range	Cooling Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 0,8m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70 or 95mm for piping port.
Minimum quantity of connection: 2 indoor units.

Possible outdoor / indoor units combinations • R410A GAS

	Wall Mounted TZ / TE Compact Style								Floor Console								Low Static Pressure Hide Away								4 Way 60x60 Cassette							
	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
CU-2E12SBE // 3,2 - 5,7 kW // 2 Rooms	✔	✔	✔	✔							✔	✔							✔	✔							✔	✔				
CU-2E15SBE // 3,2 - 5,7 kW // 2 Rooms	✔	✔	✔	✔							✔	✔							✔	✔							✔	✔				
CU-2E18SBE // 3,2 - 7,5 kW // 2 Rooms	✔	✔	✔	✔	✔	✔					✔	✔		✔[1]					✔	✔		✔					✔	✔		✔		
CU-3E18PBE // 4,5 - 9,0 kW // 3 Rooms	✔	✔	✔	✔	✔	✔					✔	✔		✔[1]					✔	✔		✔					✔	✔		✔		
CU-3E23SBE // 4,5 - 11,0 kW // 3 Rooms	✔	✔	✔	✔	✔	✔	✔[1]				✔	✔		✔[1]					✔	✔		✔					✔	✔		✔	✔	
CU-4E23PBE // 4,5 - 11,0 kW // 4 Rooms	✔	✔	✔	✔	✔	✔	✔[1]				✔	✔		✔[1]					✔	✔		✔					✔	✔		✔	✔	
CU-4E27PBE // 4,5 - 13,6 kW // 4 Rooms	✔	✔	✔	✔	✔	✔	✔[1]	✔[1]			✔	✔		✔[1]					✔	✔		✔					✔	✔		✔	✔	
CU-5E34PBE // 4,5 - 17,5 kW // 5 Rooms	✔	✔	✔	✔	✔	✔	✔[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 CZ-MA3P pipe reducer on the 71.

Outdoor Multi combination model		**Accessory**
CS-MZ16TKE / CS-MTZ16TKE CS-XZ20TKEW / CS-Z20TKEW / CS-TZ20TKEW / CS-TE20TKEW CS-XZ25TKEW / CS-Z25TKEW / CS-TZ25TKEW / CS-TE25TKEW / CS-E9GFEW / CS-E9PD3EA / CS-E9PB4EA CS-XZ35TKEW / CS-Z35TKEW / CS-TZ35TKEW / CS-TE35TKEW / CS-E12GFEW / CS-E12QD3EAW / CS-E12PB4EA	CU-2E12SBE / CU-2E15SBE / CU-2E18SBE / CU-3E18PBE / CU-3E23SBE / CU-4E23PBE / CU-4E27PBE / CU-5E34PBE	–
CS-Z42TKEW / CS-E15QKEW / CS-TZ42TKEW / CS-TE42TKEW CS-XZ50TKEW / CS-Z50TKEW / CS-TZ50TKEW / CS-TE50TKEW / CS-E18GFEW / CS-E18RD3EAW / CS-E18RB4EAW	CU-3E18PBE / CU-3E23SBE / CU-4E23PBE / CU-4E27PBE / CU-5E34PBE	CZ-MA1P
CS-E21RB4EAW	CU-4E23PBE / CU-4E27PBE / CU-5E34PBE	CZ-MA2P
CS-Z71TKEW / CS-TZ71TKEW	CU-4E27PBE / CU-5E34PBE	CZ-MA3P

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".

INTERNET CONTROL: Optional.

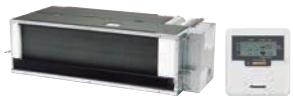
Wall Mounted TZ / TE Compact Style

			1,6 kW	2,0 kW	2,5 kW	3,2 kW	4,0 kW	5,0 kW	6,0 kW	7,1 kW
Indoor Unit TZ			**CS-MTZ16TKE**	**CS-TZ20TKEW**	**CS-TZ25TKEW**	**CS-TZ35TKEW**	**CS-TZ42TKEW**	**CS-TZ50TKEW**	**CS-TZ60TKEW**	**CS-TZ71TKEW**
Indoor Unit TE			–	**CS-TE20TKEW**	**CS-TE25TKEW**	**CS-TE35TKEW**	**CS-TE42TKEW**	**CS-TE50TKEW**	**CS-TE60TKEW**	–
Heating capacity		kW / kCal/h	2,60 / 2.240	3,20 / 2.750	3,60 / 3.010	4,50 / 3.870	5,60 / 4.820	6,80 / 5.850	8,70 / 8.260	8,60 / 7.395
Cooling capacity		kW / kCal/h	1,60 / 1.380	2,00 / 1.720	2,50 / 2.150	3,20 / 2.750	4,00 / 3.440	5,00 / 4.300	7,00 / 6.580	7,10 / 6.105
Connection		mm²	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	4 x 1,5	–
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	–	38 / 26 / 23	40 / 27 / 24	42 / 33 / 25	44 / 35 / 28	44 / 37 / 34	45 / 37 / 30	47 / 38 / 35
	Cooling (Hi / Lo / S-Lo)	dB(A)	–	37 / 25 / 20	40 / 26 / 20	42 / 30 / 20	44 / 31 / 29	44 / 37 / 34	45 / 37 / 30	47 / 38 / 35
Dimensions	H x W x D	mm	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	290 x 799 x 197	302 x 1.102 x 244	302 x 1.102 x 244	302 x 1.102 x 244
Net weight		kg	8	8	8	8	8	12	12	13
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)	1/2 (12,70)	1/2 (12,70)	5/8 (15,88)	5/8(15,88)

INTERNET CONTROL: Optional: Internet connection with PAW-IR-WIFI-1.

Floor Console

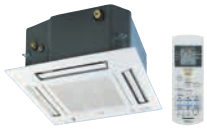
			2,8 kW	3,2 kW	5,0 kW
Indoor			**CS-E9GFEW**	**CS-E12GFEW**	**CS-E18GFEW**
Heating capacity		kW / kCal/h	4,00 / 3.440	4,50 / 3.870	6,80 / 5.850
Cooling capacity		kW / kCal/h	2,80 / 2.410	3,20 / 2.750	5,00 / 4.300
Connection		mm²	4 x 1,5	4 x 1,5	4 x 1,5
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	38 / 27 / 23	39 / 27 / 23	46 / 36 / 32
	Cooling (Hi / Lo / S-Lo)	dB(A)	38 / 27 / 23	39 / 28 / 24	44 / 36 / 32
Dimensions	H x W x D	mm	600 x 700 x 210	600 x 700 x 210	600 x 700 x 210
Net weight		kg	14	14	14
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)



INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.

Low Static Pressure Hide Away

			2,5 kW	3,2 kW	5,0 kW
Indoor			**CS-E9PD3EA**	**CS-E12QD3EAW**	**CS-E18RD3EAW**
Heating capacity		kW / kCal/h	3,20 / 2.752	4,00 / 3.440	6,10 / –
Cooling capacity		kW / kCal/h	2,50 / 2.150	3,40 / 2.920	5,10 / –
Connection		mm²	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	35 / 28 / 25	36 / 28 / 25	41 / 32 / 29
	Cooling (Hi / Lo / S-Lo)	dB(A)	33 / 27 / 24	34 / 27 / 24	41 / 30 / 27
Dimensions	H x W x D	mm	235 x 750 x 370	235 x 750 x 370	200 x 750 x 640
Net weight		kg	17	17	19
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)



Panel
CZ-BT20E (sold separately)

INTERNET CONTROL READY and EASY CONTROL by BMS: Optional.

4 Way 60x60 Cassette

			2,5 kW	3,2 kW	5,0 kW	6,0 kW
Indoor / Panel			**CS-E9PB4EA / CZ-BT20E**	**CS-E12PB4EA / CZ-BT20E**	**CS-E18RB4EAW / CZ-BT20E**	**CS-E21RB4EAW / CZ-BT20E**
Heating capacity		kW / kCal/h	3,20 / 2.752	4,50 / 3.870	5,60 / 4.820	7,00 / 6.020
Cooling capacity		kW / kCal/h	2,50 / 2.150	3,40 / 2.920	5,00 / 4.300	5,90 / 5.070
Connection		mm²	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5	4 x 1,5 to 2,5
Sound pressure[1]	Heating (Hi / Lo / S-Lo)	dB(A)	35 / 28 / 25	35 / 28 / 25	38 / 29 / 26	43 / 34 / 31
	Cooling (Hi / Lo / S-Lo)	dB(A)	34 / 26 / 23	34 / 26 / 23	37 / 28 / 25	42 / 33 / 30
Dimensions / Net weight	Indoor H x W x D	mm / kg	260 x 575 x 575 / 18	260 x 575 x 575 / 18	260 x 575 x 575 / 18	260 x 575 x 575 / 18
	Panel H x W x D	mm / kg	51 x 700 x 700 / 2,5	51 x 700 x 700 / 2,5	51 x 700 x 700 / 2,5	51 x 700 x 700 / 2,5
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)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)

1) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 2) The specification listed on the table indicates values under the condition of 29 Pa (3,0mmAq) which are applied for factory default setting. Change switch on PCB from Hi to S-Hi to have more than 6,0mmAq.

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

Free Multi R32 combinations table

Free Multi R32 2x1 CU-2Z35TBE. Minimum capacity connected: 3,2 kW. Maximum capacity connected: 5,7 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	SCOP	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,92 **A**	**8,50** A+++	650 (250 - 1.000)	325	3,05	2,10	2,10	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	860 (210 - 1.340)	430	4,00
16 + 20	1,55	1,95	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	720 (250 - 1.100)	360	3,35	1,85	2,35	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	860 (210 - 1.340)	430	4,00
16 + 25	1,35	2,15	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	720 (250 - 1.100)	360	3,35	1,65	2,55	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	860 (210 - 1.340)	430	4,00
16 + 35	1,10	2,40	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	720 (250 - 1.100)	360	3,35	1,30	2,90	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	860 (210 - 1.340)	430	4,00
20 + 20	1,75	1,75	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	720 (250 - 1.100)	360	3,35	2,10	2,10	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	860 (210 - 1.340)	430	4,00
20 + 25	1,55	1,95	3,50 (1,50 - 4,50)	4,86 **A**	**8,50** A+++	720 (250 - 1.100)	360	3,35	1,85	2,35	4,20 (1,10 - 5,60)	4,88 **A**	**4,60** A++	860 (210 - 1.340)	430	4,00
20 + 35	1,25	2,25	3,50 (1,50 - 4,50)	5,07 **A**	**8,50** A+++	690 (250 - 1.050)	345	3,25	1,55	2,65	4,20 (1,10 - 5,60)	5,00 **A**	**4,60** A++	840 (210 - 1.290)	420	3,90
25 + 25	1,75	1,75	3,50 (1,50 - 4,50)	5,07 **A**	**8,50** A+++	690 (250 - 1.050)	345	3,25	2,10	2,10	4,20 (1,10 - 5,60)	5,00 **A**	**4,60** A++	840 (210 - 1.290)	420	3,90
25 + 35	1,45	2,05	3,50 (1,50 - 4,50)	5,07 **A**	**8,50** A+++	690 (250 - 1.050)	345	3,25	1,75	2,45	4,20 (1,10 - 5,60)	5,00 **A**	**4,60** A++	840 (210 - 1.290)	420	3,90

Free Multi R32 2x1 CU-2Z41TBE. Minimum capacity connected: 3,2 kW. Maximum capacity connected: 6,0 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	SCOP	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,71 **A**	**8,50** A+++	680 (250 - 990)	340	3,15	2,20	2,20	4,40 (1,10 - 7,00)	4,68 **A**	**4,60** A++	940 (210 - 1.810)	470	4,35
16 + 20	1,60	2,00	3,60 (1,50 - 4,50)	4,62 **A**	**8,50** A+++	780 (250 - 1.150)	390	3,60	2,05	2,55	4,60 (1,10 - 7,00)	4,79 **A**	**4,60** A++	960 (210 - 1.790)	480	4,45
16 + 25	1,60	2,50	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	1,80	2,80	4,60 (1,10 - 7,00)	4,79 **A**	**4,60** A++	960 (210 - 1.790)	480	4,45
16 + 35	1,30	2,80	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	1,45	3,15	4,60 (1,10 - 7,00)	4,79 **A**	**4,60** A++	960 (210 - 1.790)	480	4,45
20 + 20	2,00	2,00	4,00 (1,50 - 5,00)	4,49 **A**	**8,50** A+++	890 (250 - 1.310)	445	4,10	2,30	2,30	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	950 (210 - 1.770)	475	4,40
20 + 25	1,80	2,30	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	2,05	2,55	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	950 (210 - 1.770)	475	4,40
20 + 35	1,50	2,60	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	1,65	2,95	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	950 (210 - 1.770)	475	4,40
25 + 25	2,05	2,05	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	2,30	2,30	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	950 (210 - 1.770)	475	4,40
25 + 35	1,70	2,40	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	1,90	2,70	4,60 (1,10 - 7,00)	4,84 **A**	**4,60** A++	950 (210 - 1.770)	475	4,40

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

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	SCOP	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																
16 + 16	1,60	1,60	3,20 (1,50 - 4,00)	4,71 **A**	**8,50** A+++	680 (250 - 990)	340	3,15	2,60	2,60	5,20 (1,10 - 7,00)	4,60 **A**	**4,60** A++	1.130 (210 - 1.810)	565	5,10
16 + 20	1,60	2,00	3,60 (1,50 - 4,50)	4,62 **A**	**8,50** A+++	780 (250 - 1.150)	390	3,60	2,40	3,00	5,40 (1,10 - 7,00)	4,58 **A**	**4,60** A++	1.180 (210 - 1.790)	590	5,35
16 + 25	1,60	2,50	4,10 (1,50 - 5,20)	4,56 **A**	**8,50** A+++	900 (250 - 1.370)	450	4,15	2,10	3,30	5,40 (1,10 - 7,00)	4,58 **A**	**4,60** A++	1.180 (210 - 1.790)	590	5,35
16 + 35	1,55	3,45	5,00 (1,50 - 5,20)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.370)	590	5,35	1,70	3,70	5,40 (1,10 - 7,00)	4,58 **A**	**4,60** A++	1.180 (210 - 1.790)	590	5,35
16 + 42	1,40	3,60	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	1,55	4,05	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
16 + 50	1,20	3,80	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	1,35	4,25	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
20 + 20	2,00	2,00	4,00 (1,50 - 5,00)	4,49 **A**	**8,50** A+++	890 (250 - 1.310)	445	4,10	2,70	2,70	5,40 (1,10 - 7,00)	4,62 **A**	**4,60** A++	1.170 (210 - 1.770)	585	5,30
20 + 25	2,00	2,50	4,50 (1,50 - 5,20)	4,37 **A**	**8,50** A+++	1.030 (250 - 1.370)	515	4,65	2,40	3,00	5,40 (1,10 - 7,00)	4,62 **A**	**4,60** A++	1.170 (210 - 1.770)	585	5,30
20 + 35	1,80	3,20	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	2,05	3,55	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
20 + 42	1,60	3,40	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	1,80	3,80	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
20 + 50	1,45	3,55	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	1,60	4,00	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
25 + 25	2,50	2,50	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
25 + 35	2,10	2,90	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	2,35	3,25	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
25 + 42	1,85	3,15	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	2,10	3,50	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
25 + 50	1,65	3,35	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	1,85	3,75	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
35 + 35	2,50	2,50	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50
35 + 42	2,25	2,75	5,00 (1,50 - 5,40)	4,24 **A**	**8,50** A+++	1.180 (250 - 1.490)	590	5,35	2,55	3,05	5,60 (1,10 - 7,20)	4,63 **A**	**4,60** A++	1.210 (210 - 1.800)	605	5,50

Free Multi R32 3x1 CU-3Z52TBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 9,5 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																		
16 + 16	1,60	1,60		3,20 (1,80 - 6,20)	5,42 **A**	**7,00** A+++	590 (330 - 2.090)	295	2,90	2,60	2,60		5,20 (1,40 - 7,00)	4,13 **A**	**3,80** A	1.260 (340 - 1.990)	630	5,80
16 + 20	1,60	2,00		3,60 (1,80 - 6,20)	4,93 **A**	**7,00** A+++	730 (330 - 2.050)	365	3,50	2,58	3,22		5,80 (1,40 - 7,00)	4,03 **A**	**3,80** A	1.440 (330 - 1.950)	720	6,60
16 + 25	1,60	2,50		4,10 (1,80 - 6,20)	4,66 **A**	**7,00** A+++	880 (330 - 2.050)	440	4,10	2,42	3,78		6,20 (1,40 - 7,00)	3,95 **A**	**3,80** A	1.570 (330 - 1.950)	785	7,20
16 + 35	1,60	3,50		5,10 (1,80 - 6,30)	3,89 **A**	**7,00** A+++	1.310 (330 - 2.060)	655	6,00	2,13	4,67		6,80 (1,40 - 7,30)	3,89 **A**	**3,80** A	1.750 (290 - 2.050)	875	7,90
16 + 42	1,43	3,77		5,20 (1,90 - 6,40)	3,85 **A**	**7,00** A+++	1.350 (350 - 2.100)	675	6,20	1,88	4,92		6,80 (1,40 - 7,30)	3,98 **A**	**3,80** A	1.710 (310 - 2.040)	855	7,80
16 + 50	1,26	3,94		5,20 (1,90 - 6,80)	4,44 **A**	**7,20** A+++	1.170 (340 - 2.040)	585	5,40	1,65	5,15		6,80 (1,40 - 8,00)	4,36 **A**	**4,00** A+	1.560 (270 - 2.150)	780	7,10
20 + 20	2,00	2,00		4,00 (1,80 - 6,20)	4,71 **A**	**7,00** A+++	850 (330 - 2.010)	425	4,00	3,20	3,20		6,40 (1,40 - 7,00)	3,93 **A**	**3,80** A	1.630 (320 - 1.950)	815	7,40
20 + 25	2,00	2,50		4,50 (1,80 - 6,20)	4,33 **A**	**7,00** A+++	1.040 (330 - 2.010)	520	4,80	3,02	3,78		6,80 (1,40 - 7,00)	3,86 **A**	**3,80** A	1.760 (290 - 1.950)	880	8,00
20 + 35	1,89	3,31		5,20 (1,80 - 6,30)	3,85 **A**	**7,00** A+++	1.350 (330 - 2.020)	675	6,20	2,47	4,33		6,80 (1,40 - 7,30)	3,98 **A**	**3,80** A	1.710 (280 - 2.040)	855	7,80
20 + 42	1,68	3,52		5,20 (1,90 - 6,40)	3,94 **A**	**7,00** A+++	1.320 (350 - 2.060)	660	6,00	2,19	4,61		6,80 (1,40 - 7,30)	4,00 **A**	**3,80** A	1.700 (300 - 2.000)	850	7,80
20 + 50	1,49	3,71		5,20 (1,90 - 6,80)	4,44 **A**	**7,20** A+++	1.170 (340 - 2.040)	585	5,40	1,94	4,86		6,80 (1,40 - 8,00)	4,36 **A**	**4,00** A+	1.560 (270 - 2.150)	780	7,10
25 + 25	2,50	2,50		5,00 (1,80 - 6,20)	3,91 **A**	**7,00** A+++	1.280 (330 - 2.010)	640	5,80	3,40	3,40		6,80 (1,40 - 7,00)	3,86 **A**	**3,80** A	1.760 (290 - 1.950)	880	8,00
25 + 35	2,17	3,03		5,20 (1,90 - 6,30)	3,85 **A**	**7,00** A+++	1.350 (350 - 2.020)	675	6,20	2,83	3,97		6,80 (1,40 - 7,30)	3,98 **A**	**3,80** A	1.710 (280 - 2.040)	855	7,80
25 + 42	1,94	3,26		5,20 (1,90 - 6,40)	3,94 **A**	**7,00** A+++	1.320 (350 - 2.060)	660	6,00	2,54	4,26		6,80 (1,40 - 7,30)	4,00 **A**	**3,80** A	1.700 (280 - 2.000)	850	7,80
25 + 50	1,73	3,47		5,20 (1,90 - 6,80)	4,44 **A**	**7,20** A+++	1.170 (340 - 2.040)	585	5,40	2,27	4,53		6,80 (1,40 - 8,00)	4,36 **A**	**4,00** A+	1.560 (240 - 2.150)	780	7,10
35 + 35	2,60	2,60		5,20 (1,90 - 6,40)	4,06 **A**	**7,00** A+++	1.280 (350 - 2.020)	640	5,80	3,40	3,40		6,80 (1,40 - 7,50)	4,02 **A**	**3,80** A	1.690 (270 - 2.060)	845	7,70
35 + 42	2,36	2,84		5,20 (1,90 - 6,50)	4,06 **A**	**7,00** A+++	1.280 (350 - 2.070)	640	5,80	3,09	3,71		6,80 (1,40 - 7,50)	4,02 **A**	**3,80** A	1.690 (260 - 2.060)	845	7,70
35 + 50	2,14	3,06		5,20 (1,90 - 6,90)	4,60 **A**	**7,20** A+++	1.130 (360 - 2.040)	565	5,20	2,80	4,00		6,80 (1,40 - 8,00)	4,42 **A**	**4,00** A+	1.540 (240 - 2.080)	770	7,00

Free Multi R32 3x1 CU-3Z52TBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 9,5 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																		
18 + 42	2,60	2,60		5,80 (1,90 - 8,50)	4,08 **A**	7,00 A+++	1.280 (360 - 2.640)	800	8,80	2,60	3,40		8,60 (1,20 - 2,80)	4,32 **A**	3,80 A+	1.650 (260 - 2.990)	805	3,60
42 + 50	2,37	2,83		5,20 (1,90 - 6,90)	4,60 **A**	7,20 A+++	1.130 (360 - 2.040)	565	5,20	3,10	3,70		6,80 (1,40 - 8,00)	4,44 **A**	4,00 A+	1.530 (240 - 2.080)	765	7,00
3 Rooms																		
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,80 - 7,20)	5,05 **A**	8,50 A+++	950 (360 - 2.130)	475	4,40	2,26	2,26	2,26	6,78 (1,50 - 8,10)	4,58 **A**	4,20 A+	1.480 (290 - 2.100)	740	6,80
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,80 - 7,30)	4,77 **A**	8,50 A+++	1.090 (360 - 2.180)	545	5,00	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,63 **A**	4,20 A+	1.470 (320 - 2.170)	735	6,70
16 + 16 + 25	1,46	1,46	2,28	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,91	1,91	2,98	6,80 (1,60 - 8,30)	4,63 **A**	4,20 A+	1.470 (320 - 2.170)	735	6,70
16 + 16 + 35	1,24	1,24	2,72	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.040)	545	5,00	1,62	1,62	3,56	6,80 (1,60 - 8,30)	4,69 **A**	4,20 A+	1.450 (340 - 2.100)	725	6,60
16 + 16 + 42	1,12	1,12	2,96	5,20 (1,80 - 7,30)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,47	1,47	3,86	6,80 (1,60 - 8,30)	4,69 **A**	4,20 A+	1.450 (310 - 2.100)	725	6,60
16 + 16 + 50	1,01	1,01	3,18	5,20 (1,80 - 7,30)	5,15 **A**	8,50 A+++	1.010 (420 - 1.910)	505	4,70	1,33	1,33	4,14	6,80 (1,60 - 8,30)	5,07 **A**	4,20 A+	1.340 (330 - 1.960)	670	6,10
16 + 20 + 20	1,48	1,86	1,86	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,66 **A**	4,20 A+	1.460 (310 - 2.120)	730	6,70
16 + 20 + 25	1,36	1,70	2,14	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,78	2,23	2,79	6,80 (1,60 - 8,30)	4,66 **A**	4,20 A+	1.460 (310 - 2.120)	730	6,70
16 + 20 + 35	1,17	1,46	2,57	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.000)	545	5,00	1,53	1,92	3,35	6,80 (1,60 - 8,30)	4,69 **A**	4,20 A+	1.450 (340 - 2.100)	725	6,60
16 + 20 + 42	1,07	1,33	2,80	5,20 (1,80 - 7,30)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,39	1,74	3,67	6,80 (1,60 - 8,30)	4,72 **A**	4,20 A+	1.440 (310 - 2.090)	720	6,60
16 + 20 + 50	0,97	1,21	3,02	5,20 (1,80 - 7,30)	5,15 **A**	8,50 A+++	1.010 (420 - 1.860)	505	4,70	1,27	1,58	3,95	6,80 (1,60 - 8,30)	5,11 **A**	4,20 A+	1.330 (340 - 1.950)	665	6,10
16 + 25 + 25	1,26	1,97	1,97	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,64	2,58	2,58	6,80 (1,60 - 8,30)	4,66 **A**	4,20 A+	1.460 (310 - 2.120)	730	6,70
16 + 25 + 35	1,09	1,71	2,40	5,20 (1,80 - 7,30)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,43	2,24	3,13	6,80 (1,60 - 8,30)	4,69 **A**	4,20 A+	1.450 (340 - 2.100)	725	6,60
16 + 25 + 42	1,00	1,57	2,63	5,20 (1,80 - 7,30)	4,77 **A**	8,50 A+++	1.090 (390 - 2.090)	545	5,00	1,31	2,05	3,44	6,80 (1,60 - 8,30)	4,72 **A**	4,20 A+	1.440 (310 - 2.090)	720	6,60
16 + 25 + 50	0,91	1,43	2,86	5,20 (1,80 - 7,30)	5,15 **A**	8,50 A+++	1.010 (420 - 1.860)	505	4,70	1,19	1,87	3,74	6,80 (1,60 - 8,30)	5,11 **A**	4,20 A+	1.330 (340 - 1.950)	665	6,10
16 + 35 + 35	0,96	2,12	2,12	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.040)	525	4,80	1,26	2,77	2,77	6,80 (1,60 - 8,30)	4,76 **A**	4,20 A+	1.430 (320 - 2.070)	715	6,50
16 + 35 + 42	0,89	1,96	2,35	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.040)	525	4,80	1,17	2,56	3,07	6,80 (1,60 - 8,30)	4,79 **A**	4,20 A+	1.420 (320 - 2.060)	710	6,50
20 + 20 + 20	1,73	1,73	1,73	5,19 (1,90 - 7,20)	4,76 **A**	8,50 A+++	1.090 (390 - 2.040)	545	5,00	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,64 **A**	4,20 A+	1.460 (310 - 2.110)	730	6,70
20 + 20 + 25	1,60	1,60	2,00	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.040)	545	5,00	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,66 **A**	4,20 A+	1.460 (310 - 2.110)	730	6,70
20 + 20 + 35	1,39	1,39	2,42	5,20 (1,90 - 7,20)	4,95 **A**	8,50 A+++	1.050 (390 - 2.000)	525	4,80	1,81	1,81	3,18	6,80 (1,60 - 8,30)	4,72 **A**	4,20 A+	1.440 (340 - 2.090)	720	6,60
20 + 20 + 42	1,27	1,27	2,66	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.040)	525	4,80	1,66	1,66	3,48	6,80 (1,60 - 8,30)	4,76 **A**	4,20 A+	1.430 (320 - 2.080)	715	6,50
20 + 20 + 50	1,16	1,16	2,88	5,20 (1,80 - 7,30)	5,15 **A**	8,50 A+++	1.010 (420 - 1.860)	505	4,70	1,51	1,51	3,78	6,80 (1,60 - 8,30)	5,11 **A**	4,20 A+	1.330 (340 - 1.940)	665	6,10
20 + 25 + 25	1,48	1,86	1,86	5,20 (1,90 - 7,20)	4,77 **A**	8,50 A+++	1.090 (390 - 2.040)	545	5,00	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,66 **A**	4,20 A+	1.460 (310 - 2.110)	730	6,70
20 + 25 + 35	1,29	1,63	2,28	5,20 (1,90 - 7,20)	4,95 **A**	8,50 A+++	1.050 (390 - 2.000)	525	4,80	1,69	2,13	2,98	6,80 (1,60 - 8,30)	4,72 **A**	4,20 A+	1.440 (340 - 2.090)	720	6,60
20 + 25 + 42	1,20	1,49	2,51	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.040)	525	4,80	1,56	1,95	3,29	6,80 (1,60 - 8,30)	4,76 **A**	4,20 A+	1.430 (320 - 2.080)	715	6,50
20 + 25 + 50	1,09	1,37	2,74	5,20 (1,80 - 7,30)	5,15 **A**	8,50 A+++	1.010 (420 - 1.860)	505	4,70	1,43	1,79	3,58	6,80 (1,60 - 8,30)	5,11 **A**	4,20 A+	1.330 (340 - 1.940)	665	6,10
20 + 35 + 35	1,16	2,02	2,02	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.000)	525	4,80	1,52	2,64	2,64	6,80 (1,60 - 8,30)	4,79 **A**	4,20 A+	1.420 (320 - 2.060)	710	6,50
25 + 25 + 25	1,73	1,73	1,73	5,19 (1,90 - 7,20)	4,76 **A**	8,50 A+++	1.090 (390 - 2.040)	545	5,00	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,64 **A**	4,20 A+	1.460 (310 - 2.110)	730	6,70
25 + 25 + 35	1,53	1,53	2,14	5,20 (1,90 - 7,20)	4,95 **A**	8,50 A+++	1.050 (390 - 2.000)	525	4,80	2,00	2,00	2,80	6,80 (1,60 - 8,30)	4,72 **A**	4,20 A+	1.440 (310 - 2.090)	720	6,60
25 + 25 + 42	1,41	1,41	2,38	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.040)	525	4,80	1,85	1,85	3,10	6,80 (1,60 - 8,30)	4,76 **A**	4,20 A+	1.430 (680 - 2.080)	715	6,50
25 + 35 + 35	1,36	1,92	1,92	5,20 (1,80 - 7,30)	4,95 **A**	8,50 A+++	1.050 (390 - 2.000)	525	4,80	1,78	2,51	2,51	6,80 (1,60 - 8,30)	4,79 **A**	4,20 A+	1.420 (680 - 2.060)	710	6,50

Free Multi R32 3x1 CU-3Z68TBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 11,2 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																		
16 + 16	1,60	1,60		3,20 (1,90 - 6,40)	5,71 **A**	6,10 A+++	560 (270 - 2.120)	280	2,80	2,60	2,60		5,20 (2,70 - 9,80)	4,00 **A**	3,80 A	1.300 (660- 3.010)	650	5,90
16 + 20	1,60	2,00		3,60 (1,90 - 6,40)	5,22 **A**	6,10 A+++	690 (270 - 2.080)	345	3,40	2,58	3,22		5,80 (2,70 - 9,80)	3,92 **A**	3,80 A	1.480 (650- 3.020)	740	6,80
16 + 25	1,60	2,50		4,10 (1,90 - 6,40)	4,94 **A**	6,10 A+++	830 (270 - 2.080)	415	3,90	2,42	3,78		6,20 (2,70 - 9,80)	3,85 **A**	3,80 A	1.610 (650- 3.020)	805	7,40
16 + 35	1,60	3,50		5,10 (1,90 - 6,90)	4,08 **A**	6,10 A+++	1.250 (270 - 2.480)	625	5,70	2,23	4,87		7,10 (2,70 - 9,90)	3,74 **A**	3,80 A	1.900 (630- 3.020)	950	8,60
16 + 42	1,60	4,20		5,80 (1,90 - 6,90)	3,60 **A**	6,10 A+++	1.610 (270 - 2.440)	805	7,40	2,26	5,94		8,20 (2,70 - 9,90)	3,52 **B**	3,80 A	2.330 (630- 3.020)	1.165	10,50
16 + 50	1,60	5,00		6,60 (2,00 - 7,50)	3,63 **A**	6,50 A+++	1.820 (280 - 2.520)	910	8,20	2,06	6,44		8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560- 2.990)	1.130	10,20
16 + 60	1,43	5,37		6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1.950 (280 - 2.520)	975	8,80	1,79	6,71		8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560- 2.990)	1.130	10,20
20 + 20	2,00	2,00		4,00 (1,90 - 6,40)	5,00 **A**	6,10 A+++	800 (270 - 2.040)	400	3,80	3,20	3,20		6,40 (2,70 - 9,80)	3,83 **A**	3,80 A	1.670 (640- 3.020)	835	7,60
20 + 25	2,00	2,50		4,50 (1,90 - 6,40)	4,59 **A**	6,10 A+++	980 (270 - 2.040)	490	4,60	3,02	3,78		6,80 (2,70 - 9,80)	3,78 **A**	3,80 A	1.800 (640- 3.020)	900	8,10
20 + 35	2,00	3,50		5,50 (1,90 - 6,90)	3,85 **A**	6,10 A+++	1.430 (270 - 2.440)	715	6,50	2,80	4,90		7,70 (2,70 - 9,90)	3,65 **A**	3,80 A	2.110 (630- 3.020)	1.055	9,50
20 + 42	2,00	4,20		6,20 (1,90 - 6,90)	3,35 **A**	6,10 A+++	1.850 (270 - 2.400)	925	8,40	2,74	5,76		8,50 (2,70 - 9,90)	3,48 **B**	3,80 A	2.440 (620- 3.030)	1.220	11,00
20 + 50	1,94	4,86		6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1.950 (280 - 2.480)	975	8,80	2,43	6,07		8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560- 2.990)	1.130	10,20
20 + 60	1,70	5,10		6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1.950 (280 - 2.480)	975	8,80	2,12	6,38		8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560- 2.990)	1.130	10,20
25 + 25	2,50	2,50		5,00 (1,90 - 6,80)	4,13 **A**	6,10 A+++	1.210 (270 - 2.430)	605	5,60	3,60	3,60		7,20 (2,70 - 9,80)	3,71 **A**	3,80 A	1.940 (640- 3.020)	970	8,80
25 + 35	2,50	3,50		6,00 (1,90 - 6,90)	3,47 **A**	6,10 A+++	1.730 (270 - 2.440)	865	7,90	3,37	4,73		8,10 (2,70 - 9,90)	3,60 **B**	3,80 A	2.250 (630- 3.020)	1.125	10,20
25 + 42	2,50	4,20		6,70 (1,90 - 6,90)	2,94 **C**	6,10 A+++	2.280 (270 - 2.400)	1.140	10,30	3,17	5,33		8,50 (2,70 - 9,90)	3,48 **B**	3,80 A	2.440 (620- 3.030)	1.220	11,00
25 + 50	2,27	4,53		6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1.950 (260 - 2.480)	975	8,80	2,83	5,67		8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560- 2.990)	1.130	10,20
25 + 60	2,00	4,80		6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1.950 (260 - 2.480)	975	8,80	2,50	6,00		8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560- 2.990)	1.130	10,20
35 + 35	3,40	3,40		6,80 (1,90 - 7,00)	2,97 **C**	6,10 A+++	2.290 (270 - 2.400)	1.145	10,40	4,25	4,25		8,50 (2,80 - 10,00)	3,56 **B**	3,80 A	2.390 (640- 3.020)	1.195	10,80
35 + 42	3,09	3,71		6,80 (1,90 - 7,10)	3,04 **B**	6,10 A+++	2.240 (270 - 2.500)	1.120	10,10	3,86	4,64		8,50 (2,80 - 10,00)	3,56 **B**	3,80 A	2.390 (600- 3.020)	1.195	10,80
35 + 50	2,80	4,00		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.480)	935	8,50	3,50	5,00		8,50 (2,80 - 10,30)	3,86 **A**	3,80 A	2.200 (540- 2.970)	1.100	10,00
35 + 60	2,51	4,29		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.480)	935	8,50	3,13	5,37		8,50 (2,80 - 10,30)	3,86 **A**	3,80 A	2.200 (540- 2.970)	1.100	10,00
42 + 42	3,40	3,40		6,80 (1,90 - 7,10)	3,02 **B**	6,10 A+++	2.250 (260 - 2.450)	1.125	10,20	4,25	4,25		8,50 (2,80 - 10,00)	3,57 **B**	3,80 A	2.380 (600- 2.980)	1.190	10,80
42 + 50	3,10	3,70		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.440)	935	8,50	3,88	4,62		8,50 (2,80 - 10,30)	3,88 **A**	3,80 A	2.190 (540- 2.960)	1.095	9,90
42 + 60	2,80	4,00		6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.440)	935	8,50	3,50	5,00		8,50 (2,80 - 10,30)	3,88 **A**	3,80 A	2.190 (540- 2.960)	1.095	9,90
50 + 50	3,40	3,40		6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1.660 (320 - 2.500)	830	7,60	4,25	4,25		8,50 (2,80 - 10,50)	4,15 **A**	3,80 A	2.050 (510- 2.870)	1.025	9,30
50 + 60	3,09	3,71		6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1.660 (320 - 2.500)	830	7,60	3,86	4,64		8,50 (2,80 - 10,50)	4,15 **A**	3,80 A	2.050 (510- 2.870)	1.025	9,30
3 Rooms																		
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,90 - 8,00)	4,85 **A**	8,00 A+++	990 (270 - 2.500)	495	4,60	2,60	2,60	2,60	7,80 (3,30 - 10,40)	3,98 **A**	4,20 A+	1.960 (640- 2.950)	980	8,90
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,90 - 8,00)	4,60 **A**	8,00 A+++	1.130 (270 - 2.460)	565	5,20	2,58	2,58	3,24	8,40 (3,30 - 10,40)	3,84 **A**	4,20 A+	2.190 (640- 2.940)	1.095	9,90
16 + 16 + 25	1,60	1,60	2,50	5,70 (1,90 - 8,00)	4,19 **A**	8,00 A+++	1.360 (270 - 2.460)	680	6,20	2,39	2,39	3,72	8,50 (3,30 - 10,40)	3,81 **A**	4,20 A+	2.230 (640- 2.940)	1.115	10,10
16 + 16 + 35	1,60	1,60	3,50	6,70 (1,90 - 8,00)	3,68 **A**	8,00 A+++	1.820 (270 - 2.370)	910	8,20	2,03	2,03	4,44	8,50 (3,30 - 10,40)	3,94 **A**	4,20 A+	2.160 (630- 2.920)	1.080	9,80
16 + 16 + 42	1,47	1,47	3,86	6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1.860 (270 - 2.460)	930	8,40	1,84	1,84	4,82	8,50 (3,30 - 10,50)	3,95 **A**	4,20 A+	2.150 (620- 2.950)	1.075	9,70
16 + 16 + 50	1,33	1,33	4,14	6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1.730 (320 - 2.420)	865	7,90	1,66	1,66	5,18	8,50 (3,20 - 10,60)	4,21 **A**	4,20 A+	2.020 (600- 2.800)	1.010	9,10
16 + 16 + 60	1,18	1,18	4,44	6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1.730 (320 - 2.420)	865	7,90	1,48	1,48	5,54	8,50 (3,20 - 10,60)	4,21 **A**	4,20 A+	2.020 (600- 2.800)	1.010	9,10
16 + 20 + 20	1,60	2,00	2,00	5,60 (1,90 - 8,00)	4,38 **A**	8,00 A+++	1.280 (270 - 2.460)	640	5,80	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,83 **A**	4,20 A+	2.220 (630- 2.930)	1.110	10,00
16 + 20 + 25	1,60	2,00	2,50	6,10 (1,90 - 8,00)	4,01 **A**	8,00 A+++	1.520 (270 - 2.460)	760	6,90	2,23	2,79	3,48	8,50 (3,30 - 10,40)	3,83 **A**	4,20 A+	2.220 (630- 2.930)	1.110	10,00
16 + 20 + 35	1,53	1,92	3,35	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1.860 (270 - 2.370)	930	8,40	1,92	2,39	4,19	8,50 (3,30 - 10,40)	3,95 **A**	4,20 A+	2.150 (620- 2.860)	1.075	9,70
16 + 20 + 42	1,39	1,74	3,67	6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1.860 (270 - 2.420)	930	8,40	1,74	2,18	4,58	8,50 (3,30 - 10,50)	3,95 **A**	4,20 A+	2.150 (620- 2.900)	1.075	9,70

Free Multi R32 combinations table

Free Multi R32 3x1 CU-3Z68TBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 11,2 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	SCOP	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	C	Total (Min - Max)	W/W	W/W	W	kWh	230 V
3 Rooms																		
16 + 20 + 50	1,27	1,58	3,95	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (320 - 2.420)	840	7,70	1,58	1,98	4,94	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2.010 (600- 2.790)	1.005	9,10
16 + 20 + 60	1,13	1,42	4,25	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (320 - 2.420)	840	7,70	1,42	1,77	5,31	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2.010 (600- 2.790)	1.005	9,10
16 + 25 + 25	1,60	2,50	2,50	6,60 (1,90 - 8,00)	3,73 **A**	8,00 A++	1.770 (270 - 2.460)	885	8,00	2,06	3,22	3,22	8,50 (3,30 - 10,40)	3,83 **A**	**4,20** A+	2.220 (630- 2.930)	1.110	10,00
16 + 25 + 35	1,43	2,24	3,13	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.370)	930	8,40	1,79	2,80	3,91	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2.150 (620- 2.860)	1.075	9,70
16 + 25 + 42	1,31	2,05	3,44	6,80 (1,90 - 8,10)	3,66 **A**	8,00 A++	1.860 (270 - 2.420)	930	8,40	1,64	2,56	4,30	8,50 (3,30 - 10,50)	3,95 **A**	**4,20** A+	2.150 (620- 2.900)	1.075	9,70
16 + 25 + 50	1,19	1,87	3,74	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (320 - 2.420)	840	7,70	1,49	2,34	4,67	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2.010 (600- 2.790)	1.005	9,10
16 + 25 + 60	1,08	1,68	4,04	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (320 - 2.420)	840	7,70	1,35	2,10	5,05	8,50 (3,20 - 10,60)	4,23 **A**	**4,20** A+	2.010 (600- 2.790)	1.005	9,10
16 + 35 + 35	1,26	2,77	2,77	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.370)	910	8,20	1,58	3,46	3,46	8,50 (3,30 - 10,50)	3,99 **A**	**4,20** A+	2.130 (640- 2.880)	1.065	9,60
16 + 35 + 42	1,17	2,56	3,07	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,46	3,20	3,84	8,50 (3,30 - 10,50)	4,01 **A**	**4,20** A+	2.120 (640- 2.870)	1.060	9,60
16 + 35 + 50	1,07	2,36	3,37	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,34	2,95	4,21	8,50 (3,20 - 10,60)	4,27 **A**	**4,20** A+	1.990 (600- 2.770)	995	9,00
16 + 35 + 60	0,98	2,14	3,68	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,23	2,68	4,59	8,50 (3,20 - 10,60)	4,27 **A**	**4,20** A+	1.990 (600- 2.770)	995	9,00
16 + 42 + 42	1,08	2,86	2,86	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,36	3,57	3,57	8,50 (3,30 - 10,50)	4,03 **A**	**4,20** A+	2.110 (640- 2.860)	1.055	9,50
16 + 42 + 50	1,01	2,64	3,15	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,25	3,31	3,94	8,50 (3,20 - 10,60)	4,29 **A**	**4,20** A+	1.980 (600- 2.760)	990	9,00
20 + 20 + 20	2,00	2,00	2,00	6,00 (1,90 - 8,00)	4,05 **A**	8,00 A++	1.480 (270 - 2.410)	740	6,80	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,91 **A**	**4,20** A+	2.170 (630- 2.920)	1.085	9,80
20 + 20 + 25	2,00	2,00	2,50	6,50 (1,90 - 8,00)	3,76 **A**	8,00 A++	1.730 (270 - 2.410)	865	7,90	2,62	2,62	3,26	8,50 (3,30 - 10,40)	3,92 **A**	**4,20** A+	2.170 (630- 2.920)	1.085	9,80
20 + 20 + 35	1,81	1,81	3,18	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.320)	930	8,40	2,27	2,27	3,96	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2.150 (620- 2.850)	1.075	9,70
20 + 20 + 42	1,66	1,66	3,48	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	2,07	2,07	4,36	8,50 (3,30 - 10,50)	3,97 **A**	**4,20** A+	2.140 (620- 2.890)	1.070	9,70
20 + 20 + 50	1,51	1,51	3,78	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,89	1,89	4,72	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2.000 (600- 2.780)	1.000	9,00
20 + 20 + 60	1,36	1,36	4,08	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,70	1,70	5,10	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2.000 (600- 2.780)	1.000	9,00
20 + 25 + 25	1,94	2,43	2,43	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.410)	930	8,40	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,92 **A**	**4,20** A+	2.170 (630- 2.920)	1.085	9,80
20 + 25 + 35	1,69	2,13	2,98	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.320)	930	8,40	2,12	2,66	3,72	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2.150 (620- 2.850)	1.075	9,70
20 + 25 + 42	1,56	1,95	3,29	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,95	2,44	4,11	8,50 (3,30 - 10,50)	3,97 **A**	**4,20** A+	2.140 (620- 2.890)	1.070	9,70
20 + 25 + 50	1,43	1,79	3,58	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,79	2,24	4,47	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2.000 (600- 2.780)	1.000	9,00
20 + 25 + 60	1,29	1,62	3,89	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,62	2,02	4,86	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2.000 (600- 2.780)	1.000	9,00
20 + 35 + 35	1,52	2,64	2,64	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.330)	910	8,20	1,88	3,31	3,31	8,50 (3,30 - 10,50)	4,01 **A**	**4,20** A+	2.120 (640- 2.870)	1.060	9,60
20 + 35 + 42	1,40	2,45	2,95	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,75	3,07	3,68	8,50 (3,30 - 10,50)	4,03 **A**	**4,20** A+	2.110 (640- 2.860)	1.055	9,50
20 + 35 + 50	1,29	2,27	3,24	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,62	2,83	4,05	8,50 (3,20 - 10,60)	4,29 **A**	**4,20** A+	1.980 (600- 2.760)	990	9,00
20 + 42 + 42	1,30	2,75	2,75	6,80 (1,90 - 8,20)	3,84 **A**	8,00 A++	1.770 (290 - 2.370)	885	8,00	1,64	3,43	3,43	8,50 (3,30 - 10,50)	4,05 **A**	**4,20** A+	2.100 (630- 2.860)	1.050	9,50
20 + 42 + 50	1,21	2,55	3,04	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,52	3,19	3,79	8,50 (3,20 - 10,60)	4,31 **A**	**4,20** A+	1.970 (620- 2.750)	985	8,90
25 + 25 + 25	2,26	2,26	2,26	6,78 (1,90 - 8,00)	3,65 **A**	8,00 A++	1.860 (270 - 2.410)	930	8,40	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,91 **A**	**4,20** A+	2.170 (630- 2.920)	1.085	9,80
25 + 25 + 35	2,00	2,00	2,80	6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.320)	930	8,40	2,50	2,50	3,50	8,50 (3,30 - 10,40)	3,95 **A**	**4,20** A+	2.150 (620- 2.850)	1.075	9,70
25 + 25 + 42	1,85	1,85	3,10	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	2,31	2,31	3,88	8,50 (3,30 - 10,50)	3,97 **A**	**4,20** A+	2.140 (620- 2.890)	1.070	9,70
25 + 25 + 50	1,70	1,70	3,40	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	2,13	2,13	4,24	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2.000 (600- 2.780)	1.000	9,00
25 + 25 + 60	1,55	1,55	3,70	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,93	1,93	4,64	8,50 (3,20 - 10,60)	4,25 **A**	**4,20** A+	2.000 (600- 2.780)	1.000	9,00
25 + 35 + 35	1,78	2,51	2,51	6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.330)	910	8,20	2,24	3,13	3,13	8,50 (3,30 - 10,50)	4,01 **A**	**4,20** A+	2.120 (640- 2.870)	1.060	9,60
25 + 35 + 42	1,67	2,33	2,80	6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	2,08	2,92	3,50	8,50 (3,30 - 10,50)	4,03 **A**	**4,20** A+	2.110 (640- 2.860)	1.055	9,50
25 + 35 + 50	1,55	2,16	3,09	6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,93	2,70	3,87	8,50 (3,20 - 10,60)	4,29 **A**	**4,20** A+	1.980 (600- 2.760)	990	9,00
25 + 42 + 42	1,56	2,62	2,62	6,80 (1,90 - 8,20)	3,84 **A**	8,00 A++	1.770 (290 - 2.370)	885	8,00	1,94	3,28	3,28	8,50 (3,30 - 10,50)	4,05 **A**	**4,20** A+	2.100 (630- 2.860)	1.050	9,50
35 + 35 + 35	2,26	2,26	2,26	6,78 (1,90 - 8,20)	3,83 **A**	8,00 A++	1.770 (290 - 2.330)	885	8,00	2,83	2,83	2,83	8,49 (3,30 - 10,50)	4,12 **A**	**4,20** A+	2.060 (630- 2.850)	1.030	9,30
35 + 35 + 42	2,13	2,13	2,54	6,80 (1,90 - 8,20)	3,84 **A**	8,00 A++	1.770 (290 - 2.330	885	8,00	2,66	2,66	3,18	8,50 (3,30 - 10,50)	4,15 **A**	**4,20** A+	2.050 (630- 2.800)	1.025	9,30

Free Multi R32 4x1 CU-4Z68TBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 11,5 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230 V
2 Rooms																				
16 + 16	1,60	1,60			3,20 (1,90 - 6,40)	5,71 **A**	6,10 A+++	560 (270 - 2.120)	280	2,80	2,60	2,60			5,20 (2,70 - 9,80)	4,00 **A**	3,80 A	1.300 (660 - 3.010)	650	5,90
16 + 20	1,60	2,00			3,60 (1,90 - 6,40)	5,22 **A**	6,10 A+++	690 (270 - 2.080)	345	3,40	2,58	3,22			5,80 (2,70 - 9,80)	3,92 **A**	3,80 A	1.480 (650 - 3.020)	740	6,80
16 + 25	1,60	2,50			4,10 (1,90 - 6,40)	4,94 **A**	6,10 A+++	830 (270 - 2.080)	415	3,90	2,42	3,78			6,20 (2,70 - 9,80)	3,85 **A**	3,80 A	1.610 (650 - 3.020)	805	7,40
16 + 35	1,60	3,50			5,10 (1,90 - 6,90)	4,08 **A**	6,10 A+++	1.250 (270 - 2.480)	625	5,70	2,23	4,87			7,10 (2,70 - 9,90)	3,74 **A**	3,80 A	1.900 (630 - 3.020)	950	8,60
16 + 42	1,60	4,20			5,80 (1,90 - 6,90)	3,60 **A**	6,10 A+++	1.610 (270 - 2.440)	805	7,40	2,26	5,94			8,20 (2,70 - 9,90)	3,52 **B**	3,80 A	2.330 (630 - 3.020)	1.165	10,50
16 + 50	1,60	5,00			6,60 (2,00 - 7,50)	3,63 **A**	6,50 A+++	1.820 (280 - 2.520)	910	8,20	2,06	6,44			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560 - 2.990)	1.130	10,20
16 + 60	1,43	5,37			6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1.950 (280 - 2.520)	975	8,80	1,79	6,71			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560 - 2.990)	1.130	10,20
20 + 20	2,00	2,00			4,00 (1,90 - 6,40)	5,00 **A**	6,10 A+++	800 (270 - 2.040)	400	3,80	3,20	3,20			6,40 (2,70 - 9,80)	3,83 **A**	3,80 A	1.670 (640 - 3.020)	835	7,60
20 + 25	2,00	2,50			4,50 (1,90 - 6,40)	4,59 **A**	6,10 A+++	980 (270 - 2.040)	490	4,60	3,02	3,78			6,80 (2,70 - 9,80)	3,78 **A**	3,80 A	1.800 (640 - 3.020)	900	8,10
20 + 35	2,00	3,50			5,50 (1,90 - 6,90)	3,85 **A**	6,10 A+++	1.430 (270 - 2.440)	715	6,50	2,80	4,90			7,70 (2,70 - 9,90)	3,65 **A**	3,80 A	2.110 (630 - 3.020)	1.055	9,50
20 + 42	2,00	4,20			6,20 (1,90 - 6,90)	3,35 **A**	6,10 A+++	1.850 (270 - 2.400)	925	8,40	2,74	5,76			8,50 (2,70 - 9,90)	3,48 **B**	3,80 A	2.440 (620 - 3.030)	1.220	11,00
20 + 50	1,94	4,86			6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1.950 (280 - 2.480)	975	8,80	2,43	6,07			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560 - 2.990)	1.130	10,20
20 + 60	1,70	5,10			6,80 (2,00 - 7,50)	3,49 **A**	6,50 A+++	1.950 (280 - 2.480)	975	8,80	2,12	6,38			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560 - 2.990)	1.130	10,20
25 + 25	2,50	2,50			5,00 (1,90 - 6,80)	4,13 **A**	6,10 A+++	1.210 (270 - 2.430)	605	5,60	3,60	3,60			7,20 (2,70 - 9,80)	3,71 **A**	3,80 A	1.940 (640 - 3.020)	970	8,80
25 + 35	2,50	3,50			6,00 (1,90 - 6,90)	3,47 **A**	6,10 A+++	1.730 (270 - 2.440)	865	7,90	3,37	4,73			8,10 (2,70 - 9,90)	3,60 **B**	3,80 A	2.250 (630 - 3.020)	1.125	10,20
25 + 42	2,50	4,20			6,70 (1,90 - 6,90)	2,94 **C**	6,10 A+++	2.280 (270 - 2.400)	1.140	10,30	3,17	5,33			8,50 (2,70 - 9,90)	3,48 **B**	3,80 A	2.440 (620 - 3.030)	1.220	11,00
25 + 50	2,27	4,53			6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1.950 (260 - 2.480)	975	8,80	2,83	5,67			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560 - 2.990)	1.130	10,20
25 + 60	2,00	4,80			6,80 (1,90 - 7,50)	3,49 **A**	6,50 A+++	1.950 (260 - 2.480)	975	8,80	2,50	6,00			8,50 (2,80 - 10,20)	3,76 **A**	3,80 A	2.260 (560 - 2.990)	1.130	10,20
35 + 35	3,40	3,40			6,80 (1,90 - 7,00)	2,97 **C**	6,10 A+++	2.290 (270 - 2.400)	1.145	10,40	4,25	4,25			8,50 (2,80 - 10,00)	3,56 **B**	3,80 A	2.390 (640 - 3.020)	1.195	10,80
35 + 42	3,09	3,71			6,80 (1,90 - 7,10)	3,04 **B**	6,10 A+++	2.240 (270 - 2.500)	1.120	10,10	3,86	4,64			8,50 (2,80 - 10,00)	3,56 **B**	3,80 A	2.390 (600 - 3.020)	1.195	10,80
35 + 50	2,80	4,00			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.480)	935	8,50	3,50	5,00			8,50 (2,80 - 10,30)	3,86 **A**	3,80 A	2.200 (540 - 2.970)	1.100	10,00
35 + 60	2,51	4,29			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.480)	935	8,50	3,13	5,37			8,50 (2,80 - 10,30)	3,86 **A**	3,80 A	2.200 (540 - 2.970)	1.100	10,00
42 + 42	3,40	3,40			6,80 (1,90 - 7,10)	3,02 **B**	6,10 A+++	2.250 (260 - 2.450)	1.125	10,20	4,25	4,25			8,50 (2,80 - 10,00)	3,57 **B**	3,80 A	2.380 (600 - 2.980)	1.190	10,80
42 + 50	3,10	3,70			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.440)	935	8,50	3,88	4,62			8,50 (2,80 - 10,30)	3,88 **A**	3,80 A	2.190 (540 - 2.960)	1.095	9,90
42 + 60	2,80	4,00			6,80 (2,00 - 7,60)	3,64 **A**	6,50 A+++	1.870 (280 - 2.440)	935	8,50	3,50	5,00			8,50 (2,80 - 10,30)	3,88 **A**	3,80 A	2.190 (540 - 2.960)	1.095	9,90
50 + 50	3,40	3,40			6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1.660 (320 - 2.500)	830	7,60	4,25	4,25			8,50 (2,80 - 10,50)	4,15 **A**	3,80 A	2.050 (510 - 2.870)	1.025	9,30
50 + 60	3,09	3,71			6,80 (2,10 - 8,10)	4,10 **A**	6,50 A+++	1.660 (320 - 2.500)	830	7,60	3,86	4,64			8,50 (2,80 - 10,50)	4,15 **A**	3,80 A	2.050 (510 - 2.870)	1.025	9,30
3 Rooms																				
16 + 16 + 16	1,60	1,60	1,60		4,80 (1,90 - 8,00)	4,85 **A**	8,00 A+++	990 (270 - 2.500)	495	4,60	2,60	2,60	2,60		7,80 (3,30 - 10,40)	3,98 **A**	4,00 A+	1.960 (640 - 2.950)	980	8,90
16 + 16 + 20	1,60	1,60	2,00		5,20 (1,90 - 8,00)	4,60 **A**	8,00 A+++	1.130 (270 - 2.460)	565	5,20	2,58	2,58	3,24		8,40 (3,30 - 10,40)	3,84 **A**	4,00 A+	2.190 (640 - 2.940)	1.095	9,90
16 + 16 + 25	1,60	1,60	2,50		5,70 (1,90 - 8,00)	4,19 **A**	8,00 A+++	1.360 (270 - 2.460)	680	6,20	2,39	2,39	3,72		8,50 (3,30 - 10,40)	3,81 **A**	4,00 A+	2.230 (640 - 2.940)	1.115	10,10
16 + 16 + 35	1,60	1,60	3,50		6,70 (1,90 - 8,00)	3,68 **A**	8,00 A+++	1.820 (270 - 2.370)	910	8,20	2,03	2,03	4,44		8,50 (3,30 - 10,40)	3,94 **A**	4,00 A+	2.160 (630 - 2.920)	1.080	9,80
16 + 16 + 42	1,47	1,47	3,86		6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1.860 (270 - 2.460)	930	8,40	1,84	1,84	4,82		8,50 (3,30 - 10,50)	3,95 **A**	4,00 A+	2.150 (620 - 2.950)	1.075	9,70
16 + 16 + 50	1,33	1,33	4,14		6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1.730 (320 - 2.420)	865	7,90	1,66	1,66	5,18		8,50 (3,20 - 10,60)	4,21 **A**	4,00 A+	2.020 (600 - 2.800)	1.010	9,10
16 + 16 + 60	1,18	1,18	4,44		6,80 (2,00 - 8,50)	3,93 **A**	8,00 A+++	1.730 (320 - 2.420)	865	7,90	1,48	1,48	5,54		8,50 (3,20 - 10,60)	4,21 **A**	4,00 A+	2.020 (600 - 2.800)	1.010	9,10
16 + 20 + 20	1,60	2,00	2,00		5,60 (1,90 - 8,00)	4,38 **A**	8,00 A+++	1.280 (270 - 2.460)	640	5,80	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,83 **A**	4,00 A+	2.220 (630 - 2.930)	1.110	10,00
16 + 20 + 25	1,60	2,00	2,50		6,10 (1,90 - 8,00)	4,01 **A**	8,00 A+++	1.520 (270 - 2.460)	760	6,90	2,23	2,79	3,48		8,50 (3,30 - 10,40)	3,83 **A**	4,00 A+	2.220 (630 - 2.930)	1.110	10,00
16 + 20 + 35	1,53	1,92	3,35		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1.860 (270 - 2.370)	930	8,40	1,92	2,39	4,19		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2.150 (620 - 2.860)	1.075	9,70
16 + 20 + 42	1,39	1,74	3,67		6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1.860 (270 - 2.420)	930	8,40	1,74	2,18	4,58		8,50 (3,30 - 10,50)	3,95 **A**	4,00 A+	2.150 (620 - 2.900)	1.075	9,70
16 + 20 + 50	1,27	1,58	3,95		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1.680 (320 - 2.420)	840	7,70	1,58	1,98	4,94		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2.010 (600 - 2.790)	1.005	9,10
16 + 20 + 60	1,13	1,42	4,25		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1.680 (320 - 2.420)	840	7,70	1,42	1,77	5,31		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2.010 (600 - 2.790)	1.005	9,10
16 + 25 + 25	1,60	2,50	2,50		6,60 (1,90 - 8,00)	3,73 **A**	8,00 A+++	1.770 (270 - 2.460)	885	8,00	2,06	3,22	3,22		8,50 (3,30 - 10,40)	3,83 **A**	4,00 A+	2.220 (630 - 2.930)	1.110	10,00
16 + 25 + 35	1,43	2,24	3,13		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A+++	1.860 (270 - 2.370)	930	8,40	1,79	2,80	3,91		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2.150 (620 - 2.860)	1.075	9,70
16 + 25 + 42	1,31	2,05	3,44		6,80 (1,90 - 8,10)	3,66 **A**	8,00 A+++	1.860 (270 - 2.420)	930	8,40	1,64	2,56	4,30		8,50 (3,30 - 10,50)	3,95 **A**	4,00 A+	2.150 (620 - 2.900)	1.075	9,70
16 + 25 + 50	1,19	1,87	3,74		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1.680 (320 - 2.420)	840	7,70	1,49	2,34	4,67		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2.010 (600 - 2.790)	1.005	9,10
16 + 25 + 60	1,08	1,68	4,04		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A+++	1.680 (320 - 2.420)	840	7,70	1,35	2,10	5,05		8,50 (3,20 - 10,60)	4,23 **A**	4,00 A+	2.010 (600 - 2.790)	1.005	9,10
16 + 35 + 35	1,26	2,77	2,77		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A+++	1.820 (290 - 2.370)	910	8,20	1,58	3,46	3,46		8,50 (3,30 - 10,50)	3,99 **A**	4,00 A+	2.130 (640 - 2.880)	1.065	9,60
16 + 35 + 42	1,17	2,56	3,07		6,80 (1,90 - 8,20)	3,74 **A**	8,00 A+++	1.820 (290 - 2.420)	910	8,20	1,46	3,20	3,84		8,50 (3,30 - 10,50)	4,01 **A**	4,00 A+	2.120 (640 - 2.870)	1.060	9,60

Free Multi R32 4x1 CU-4Z68TBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 11,5 kW • R32 GAS

Indoor unit capacity	Cooling capacity (kW). Rooms					EER	SEER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms					COP	SCOP	Input power rating	A.E.C.	Current
	A	B	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230 V	A	B	C	D	Total (Min - Max)	W/W	W/W	W	kWh	230 V
3 Rooms																				
16 + 35 + 50	1,07	2,36	3,37		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,34	2,95	4,21		8,50 (3,20 - 10,60)	4,27 **A**	4,00 A+	1.990 (600 - 2.770)	995	9,00
16 + 35 + 60	0,98	2,14	3,68		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,23	2,68	4,59		8,50 (3,20 - 10,60)	4,27 **A**	4,00 A+	1.990 (600 - 2.770)	995	9,00
16 + 42 + 42	1,08	2,86	2,86		6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,36	3,57	3,57		8,50 (3,30 - 10,50)	4,03 **A**	4,00 A+	2.110 (640 - 2.860)	1.055	9,50
16 + 42 + 50	1,01	2,64	3,15		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,25	3,31	3,94		8,50 (3,20 - 10,60)	4,29 **A**	4,00 A+	1.980 (600 - 2.760)	990	9,00
20 + 20 + 20	2,00	2,00	2,00		6,00 (1,90 - 8,00)	4,05 **A**	8,00 A++	1.480 (270 - 2.410)	740	6,80	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,91 **A**	4,00 A+	2.170 (630 - 2.920)	1.085	9,80
20 + 20 + 25	2,00	2,00	2,50		6,50 (1,90 - 8,00)	3,76 **A**	8,00 A++	1.730 (270 - 2.410)	865	7,90	2,62	2,62	3,26		8,50 (3,30 - 10,40)	3,92 **A**	4,00 A+	2.170 (630 - 2.920)	1.085	9,80
20 + 20 + 35	1,81	1,81	3,18		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.320)	930	8,40	2,27	2,27	3,96		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2.150 (620 - 2.850)	1.075	9,70
20 + 20 + 42	1,66	1,66	3,48		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	2,07	2,07	4,36		8,50 (3,30 - 10,50)	3,97 **A**	4,00 A+	2.140 (620 - 2.890)	1.070	9,70
20 + 20 + 50	1,51	1,51	3,78		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,89	1,89	4,72		8,50 (3,20 - 10,60)	4,25 **A**	4,00 A+	2.000 (600 - 2.780)	1.000	9,00
20 + 20 + 60	1,36	1,36	4,08		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,70	1,70	5,10		8,50 (3,20 - 10,60)	4,25 **A**	4,00 A+	2.000 (600 - 2.780)	1.000	9,00
20 + 25 + 25	1,94	2,43	2,43		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.410)	930	8,40	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,92 **A**	4,00 A+	2.170 (630 - 2.920)	1.085	9,80
20 + 25 + 35	1,69	2,13	2,98		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.320)	930	8,40	2,12	2,66	3,72		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2.150 (620 - 2.850)	1.075	9,70
20 + 25 + 42	1,56	1,95	3,29		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,95	2,44	4,11		8,50 (3,30 - 10,50)	3,97 **A**	4,00 A+	2.140 (620 - 2.890)	1.070	9,70
20 + 25 + 50	1,43	1,79	3,58		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,79	2,24	4,47		8,50 (3,20 - 10,60)	4,25 **A**	4,00 A+	2.000 (600 - 2.780)	1.000	9,00
20 + 25 + 60	1,29	1,62	3,89		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,62	2,02	4,86		8,50 (3,20 - 10,60)	4,25 **A**	4,00 A+	2.000 (600 - 2.780)	1.000	9,00
20 + 35 + 35	1,52	2,64	2,64		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.330)	910	8,20	1,88	3,31	3,31		8,50 (3,30 - 10,50)	4,01 **A**	4,00 A+	2.120 (640 - 2.870)	1.060	9,60
20 + 35 + 42	1,40	2,45	2,95		6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	1,75	3,07	3,68		8,50 (3,30 - 10,50)	4,03 **A**	4,00 A+	2.110 (640 - 2.860)	1.055	9,50
20 + 35 + 50	1,29	2,27	3,24		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,62	2,83	4,05		8,50 (3,20 - 10,60)	4,29 **A**	4,00 A+	1.980 (600 - 2.760)	990	9,00
20 + 35 + 60	1,18	2,07	3,55		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,48	2,59	4,43		8,50 (3,20 - 10,60)	4,29 **A**	4,00 A+	1.980 (600 - 2.760)	990	9,00
20 + 42 + 42	1,30	2,75	2,75		6,80 (1,90 - 8,20)	3,84 **A**	8,00 A++	1.770 (290 - 2.370)	885	8,00	1,64	3,43	3,43		8,50 (3,30 - 10,50)	4,05 **A**	4,00 A+	2.100 (630 - 2.860)	1.050	9,50
20 + 42 + 50	1,21	2,55	3,04		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,52	3,19	3,79		8,50 (3,20 - 10,60)	4,31 **A**	4,00 A+	1.970 (620 - 2.750)	985	8,90
25 + 25 + 25	2,26	2,26	2,26		6,78 (1,90 - 8,00)	3,65 **A**	8,00 A++	1.860 (270 - 2.410)	930	8,40	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,91 **A**	4,00 A+	2.170 (630 - 2.920)	1.085	9,80
25 + 25 + 35	2,00	2,00	2,80		6,80 (1,90 - 8,00)	3,66 **A**	8,00 A++	1.860 (270 - 2.320)	930	8,40	2,50	2,50	3,50		8,50 (3,30 - 10,40)	3,95 **A**	4,00 A+	2.150 (620 - 2.850)	1.075	9,70
25 + 25 + 42	1,85	1,85	3,10		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	2,31	2,31	3,88		8,50 (3,30 - 10,50)	3,97 **A**	4,00 A+	2.140 (620 - 2.890)	1.070	9,70
25 + 25 + 50	1,70	1,70	3,40		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	2,13	2,13	4,24		8,50 (3,20 - 10,60)	4,25 **A**	4,00 A+	2.000 (600 - 2.780)	1.000	9,00
25 + 25 + 60	1,55	1,55	3,70		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.380)	840	7,70	1,93	1,93	4,64		8,50 (3,20 - 10,60)	4,25 **A**	4,00 A+	2.000 (600 - 2.780)	1.000	9,00
25 + 35 + 35	1,78	2,51	2,51		6,80 (1,90 - 8,10)	3,74 **A**	8,00 A++	1.820 (290 - 2.330)	910	8,20	2,24	3,13	3,13		8,50 (3,30 - 10,50)	4,01 **A**	4,00 A+	2.120 (640 - 2.870)	1.060	9,60
25 + 35 + 42	1,67	2,33	2,80		6,80 (1,90 - 8,20)	3,74 **A**	8,00 A++	1.820 (290 - 2.420)	910	8,20	2,08	2,92	3,50		8,50 (3,30 - 10,50)	4,03 **A**	4,00 A+	2.110 (640 - 2.860)	1.055	9,50
25 + 35 + 50	1,55	2,16	3,09		6,80 (2,00 - 8,50)	4,05 **A**	8,00 A++	1.680 (340 - 2.330)	840	7,70	1,93	2,70	3,87		8,50 (3,20 - 10,60)	4,29 **A**	4,00 A+	1.980 (600 - 2.760)	990	9,00
25 + 42 + 42	1,56	2,62	2,62		6,80 (1,90 - 8,20)	3,84 **A**	8,00 A++	1.770 (290 - 2.370)	885	8,00	1,94	3,28	3,28		8,50 (3,30 - 10,50)	4,05 **A**	4,00 A+	2.100 (630 - 2.860)	1.050	9,50
35 + 35 + 35	2,26	2,26	2,26		6,78 (1,90 - 8,20)	3,83 **A**	8,00 A++	1.770 (290 - 2.330)	885	8,00	2,83	2,83	2,83		8,49 (3,30 - 10,50)	4,12 **A**	4,00 A+	2.060 (630 - 2.850)	1.030	9,30
35 + 35 + 42	2,13	2,13	2,54		6,80 (1,90 - 8,20)	3,84 **A**	8,00 A++	1.770 (290 - 2.330)	885	8,00	2,66	2,66	3,18		8,50 (3,30 - 10,50)	4,15 **A**	4,00 A+	2.050 (630 - 2.800)	1.025	9,30
4 Rooms																				
16 + 16 + 16 + 16	1,65	1,65	1,65	1,65	6,60 (1,90 - 8,70)	4,49 **A**	8,50 A+++	1.470 (340 - 2.380)	735	6,70	2,12	2,12	2,12	2,12	8,48 (3,00 - 10,60)	4,44 **A**	4,20 A+	1.910 (580 - 2.690)	955	8,60
16 + 16 + 16 + 20	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.470)	775	7,00	2,00	2,00	2,00	2,50	8,50 (3,00 - 10,60)	4,47 **A**	4,20 A+	1.900 (580 - 2.680)	950	8,60
16 + 16 + 16 + 25	1,49	1,49	1,49	2,33	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.470)	775	7,00	1,86	1,86	1,86	2,92	8,50 (3,00 - 10,60)	4,47 **A**	4,20 A+	1.900 (580 - 2.680)	950	8,60
16 + 16 + 16 + 35	1,31	1,31	1,31	2,87	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.380)	775	7,00	1,64	1,64	1,64	3,58	8,50 (3,00 - 10,60)	4,52 **A**	4,20 A+	1.880 (580 - 2.660)	940	8,50
16 + 16 + 16 + 42	1,21	1,21	1,21	3,17	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (340 - 2.380)	755	6,80	1,51	1,51	1,51	3,97	8,50 (3,00 - 10,60)	4,55 **A**	4,20 A+	1.870 (580 - 2.650)	935	8,50
16 + 16 + 16 + 50	1,11	1,11	1,11	3,47	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (400 - 2.240)	755	6,80	1,39	1,39	1,39	4,33	8,50 (3,00 - 10,60)	4,64 **A**	4,20 A+	1.830 (650 - 2.550)	915	8,30
16 + 16 + 16 + 60	1,01	1,01	1,01	3,77	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (400 - 2.240)	755	6,80	1,26	1,26	1,26	4,72	8,50 (3,00 - 10,60)	4,64 **A**	4,20 A+	1.830 (650 - 2.550)	915	8,30
16 + 16 + 20 + 20	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	4,50 **A**	4,20 A+	1.890 (600 - 2.670)	945	8,50
16 + 16 + 20 + 25	1,41	1,41	1,77	2,21	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,77	1,77	2,20	2,76	8,50 (3,10 - 10,60)	4,50 **A**	4,20 A+	1.890 (600 - 2.670)	945	8,50
16 + 16 + 20 + 35	1,25	1,25	1,56	2,74	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (340 - 2.380)	755	6,80	1,56	1,56	1,95	3,43	8,50 (3,00 - 10,60)	4,55 **A**	4,20 A+	1.870 (580 - 2.650)	935	8,50
16 + 16 + 20 + 42	1,16	1,16	1,44	3,04	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,45	1,45	1,80	3,80	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (600 - 2.640)	930	8,40
16 + 16 + 20 + 50	1,07	1,07	1,33	3,33	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (400 - 2.200)	755	6,80	1,33	1,33	1,67	4,17	8,50 (3,00 - 10,60)	4,64 **A**	4,20 A+	1.830 (660 - 2.540)	915	8,30
16 + 16 + 20 + 60	0,97	0,97	1,21	3,65	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (400 - 2.200)	755	6,80	1,21	1,21	1,52	4,56	8,50 (3,00 - 10,60)	4,64 **A**	4,20 A+	1.830 (660 - 2.540)	915	8,30
16 + 16 + 25 + 25	1,33	1,33	2,07	2,07	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,66	1,66	2,59	2,59	8,50 (3,10 - 10,60)	4,50 **A**	4,20 A+	1.890 (600 - 2.670)	945	8,50
16 + 16 + 25 + 35	1,18	1,18	1,85	2,59	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (340 - 2.380)	755	6,80	1,48	1,48	2,31	3,23	8,50 (3,00 - 10,60)	4,55 **A**	4,20 A+	1.870 (580 - 2.650)	935	8,50
16 + 16 + 25 + 42	1,10	1,10	1,72	2,88	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,37	1,37	2,15	3,61	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (600 - 2.640)	930	8,40
16 + 16 + 25 + 50	1,02	1,02	1,58	3,18	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (400 - 2.200)	755	6,80	1,27	1,27	1,99	3,97	8,50 (3,00 - 10,60)	4,64 **A**	4,20 A+	1.830 (660 - 2.540)	915	8,30
16 + 16 + 35 + 35	1,07	1,07	2,33	2,33	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,33	1,33	2,92	2,92	8,50 (3,00 - 10,60)	4,59 **A**	4,20 A+	1.850 (610 - 2.620)	925	8,40
16 + 16 + 35 + 42	1,00	1,00	2,18	2,62	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,25	1,25	2,72	3,28	8,50 (3,00 - 10,60)	4,62 **A**	4,60 A++	1.840 (610 - 2.610)	920	8,30
16 + 20 + 20 + 20	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.670)	940	8,50
16 + 20 + 20 + 25	1,34	1,68	1,68	2,10	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,68	2,10	2,10	2,62	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.670)	940	8,50
16 + 20 + 20 + 35	1,20	1,49	1,49	2,62	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,49	1,87	1,87	3,27	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (600 - 2.640)	930	8,40
16 + 20 + 20 + 42	1,11	1,39	1,39	2,91	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,39	1,73	1,73	3,65	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40
16 + 20 + 20 + 50	1,03	1,28	1,28	3,21	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (420 - 2.200)	755	6,80	1,28	1,60	1,60	4,02	8,50 (3,00 - 10,60)	4,67 **A**	4,20 A+	1.820 (680 - 2.530)	910	8,20
16 + 20 + 25 + 25	1,26	1,58	1,98	1,98	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,58	1,98	2,47	2,47	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.670)	940	8,50
16 + 20 + 25 + 35	1,13	1,42	1,77	2,48	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,42	1,77	2,21	3,10	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (600 - 2.640)	930	8,40
16 + 20 + 25 + 42	1,06	1,32	1,65	2,77	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,32	1,65	2,06	3,47	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40
16 + 20 + 25 + 50	0,98	1,23	1,53	3,06	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (420 - 2.200)	755	6,80	1,23	1,53	1,91	3,83	8,50 (3,00 - 10,60)	4,67 **A**	4,20 A+	1.820 (680 - 2.530)	910	8,20
16 + 20 + 35 + 35	1,02	1,28	2,25	2,25	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,28	1,60	2,81	2,81	8,50 (3,00 - 10,60)	4,62 **A**	4,60 A++	1.840 (610 - 2.610)	920	8,30
16 + 20 + 35 + 42	0,96	1,20	2,11	2,53	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,20	1,50	2,63	3,17	8,50 (3,00 - 10,60)	4,62 **A**	4,60 A++	1.840 (610 - 2.610)	920	8,30
16 + 25 + 25 + 25	1,19	1,87	1,87	1,87	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.430)	775	7,00	1,48	2,34	2,34	2,34	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.670)	940	8,50
16 + 25 + 25 + 35	1,08	1,68	1,68	2,36	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,35	2,10	2,10	2,95	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (600 - 2.640)	930	8,40
16 + 25 + 25 + 42	1,01	1,57	1,57	2,65	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.380)	755	6,80	1,25	1,97	1,97	3,31	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40
16 + 25 + 35 + 35	0,98	1,54	2,14	2,14	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,23	1,91	2,68	2,68	8,50 (3,00 - 10,60)	4,62 **A**	4,60 A++	1.840 (610 - 2.610)	920	8,30
20 + 20 + 20 + 20	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.380)	775	7,00	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	4,51 **A**	4,20 A+	1.880 (600 - 2.660)	940	8,50
20 + 20 + 20 + 25	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.380)	775	7,00	2,00	2,00	2,00	2,50	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.660)	940	8,50
20 + 20 + 20 + 35	1,43	1,43	1,43	2,51	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,79	1,79	1,79	3,13	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40
20 + 20 + 20 + 42	1,33	1,33	1,33	2,81	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,67	1,67	1,67	3,49	8,50 (3,00 - 10,60)	4,59 **A**	4,20 A+	1.850 (610 - 2.620)	925	8,40
20 + 20 + 20 + 50	1,24	1,24	1,24	3,08	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (420 - 2.200)	755	6,80	1,55	1,55	1,55	3,85	8,50 (3,00 - 10,60)	4,70 **A**	4,20 A+	1.810 (680 - 2.520)	905	8,20
20 + 20 + 25 + 25	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.380)	775	7,00	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.660)	940	8,50
20 + 20 + 25 + 35	1,36	1,36	1,70	2,38	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,70	1,70	2,12	2,98	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40
20 + 20 + 25 + 42	1,27	1,27	1,59	2,67	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,59	1,59	1,98	3,34	8,50 (3,00 - 10,60)	4,59 **A**	4,20 A+	1.850 (610 - 2.620)	925	8,40
20 + 20 + 25 + 50	1,18	1,18	1,48	2,96	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (420 - 2.200)	755	6,80	1,48	1,48	1,84	3,70	8,50 (3,00 - 10,60)	4,70 **A**	4,20 A+	1.810 (680 - 2.520)	905	8,20
20 + 20 + 35 + 35	1,24	1,24	2,16	2,16	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,55	1,55	2,70	2,70	8,50 (3,00 - 10,60)	4,62 **A**	4,60 A++	1.840 (610 - 2.610)	920	8,30
20 + 25 + 25 + 25	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.380)	775	7,00	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	4,52 **A**	4,20 A+	1.880 (600 - 2.660)	940	8,50
20 + 25 + 35 + 35	1,29	1,62	1,62	2,27	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,62	2,02	2,02	2,84	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40
20 + 25 + 42 + 42	1,21	1,52	1,52	2,55	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,51	1,90	1,90	3,19	8,50 (3,00 - 10,60)	4,59 **A**	4,20 A+	1.850 (610 - 2.620)	925	8,40
20 + 25 + 35 + 35	1,18	1,48	2,07	2,07	6,80 (1,90 - 8,80)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,47	1,85	2,59	2,59	8,50 (3,00 - 10,60)	4,62 **A**	4,60 A++	1.840 (610 - 2.610)	920	8,30
25 + 25 + 25 + 25	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	4,39 **A**	8,00 A++	1.550 (340 - 2.380)	775	7,00	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	4,51 **A**	4,20 A+	1.880 (600 - 2.660)	940	8,50
25 + 25 + 25 + 35	1,55	1,55	1,55	2,15	6,80 (1,90 - 8,8 0)	4,50 **A**	8,00 A++	1.510 (370 - 2.330)	755	6,80	1,93	1,93	1,93	2,71	8,50 (3,00 - 10,60)	4,57 **A**	4,20 A+	1.860 (610 - 2.630)	930	8,40

Free Multi 2x1 combinations table

Free Multi 2x1 CU-2E12SBE. Minimum capacity connected: 3,2 kW. Maximum capacity connected: 5,7 kW

Indoor unit capacity	Cooling capacity (kW) Rooms			EER	Power input rating	Heating capacity (kW) Rooms			COP	Power input rating
	A	B	Total (Min - Max)	W/W	A	A	B	Total (Min - Max)	W/W	A
2 Rooms										
5 + 5	1,60	1,60	3,20 (1,50 - 4,00)	4,27 **A**	3,50	2,20	2,20	4,40 (1,10 - 5,60)	4,63 **A**	4,20
5 + 7	1,60	2,00	3,60 (1,50 - 4,50)	4,50 **A**	3,75	1,95	2,45	4,40 (1,10 - 5,60)	4,63 **A**	4,20
5 + 9[1]	1,40	2,20	3,60 (1,50 - 4,50)	4,50 **A**	3,75	1,70	2,70	4,40 (1,10 - 5,60)	4,63 **A**	4,20
5 + 9[2]	1,30	2,30	3,60 (1,50 - 4,50)	4,50 **A**	3,75	1,60	2,80	4,40 (1,10 - 5,60)	4,63 **A**	4,20
5 + 12	1,20	2,40	3,60 (1,50 - 4,50)	4,50 **A**	3,75	1,45	2,95	4,40 (1,10 - 5,60)	4,63 **A**	4,20
7 + 7	1,80	1,80	3,60 (1,50 - 4,50)	4,50 **A**	3,75	2,20	2,20	4,40 (1,10 - 5,60)	4,63 **A**	4,20
7 + 9[1]	1,60	2,00	3,60 (1,50 - 4,50)	4,50 **A**	3,75	1,95	2,45	4,40 (1,10 - 5,60)	4,63 **A**	4,20
7 + 9[2]	1,50	2,10	3,60 (1,50 - 4,50)	4,50 **A**	3,75	1,85	2,55	4,40 (1,10 - 5,60)	4,63 **A**	4,20
7 + 12	1,40	2,20	3,60 (1,50 - 4,50)	4,68 **A**	3,60	1,70	2,70	4,40 (1,10 - 5,60)	4,78 **A**	4,10
9[1] + 9[1]	1,80	1,80	3,60 (1,50 - 4,50)	4,68 **A**	3,60	2,20	2,20	4,40 (1,10 - 5,60)	4,78 **A**	4,10
9[1] + 9[2]	1,70	1,90	3,60 (1,50 - 4,50)	4,68 **A**	3,60	2,10	2,30	4,40 (1,10 - 5,60)	4,78 **A**	4,10
9[1] + 12	1,60	2,00	3,60 (1,50 - 4,50)	4,68 **A**	3,60	1,95	2,45	4,40 (1,10 - 5,60)	4,78 **A**	4,10
9[2] + 9[2]	1,80	1,80	3,60 (1,50 - 4,50)	4,68 **A**	3,60	2,20	2,20	4,40 (1,10 - 5,60)	4,78 **A**	4,10

Free Multi 2x1 CU-2E15SBE. Minimum capacity connected: 3,2 kW. Maximum capacity connected: 5,7 kW

Indoor unit capacity	Cooling capacity (kW) Rooms			EER	Power input rating	Heating capacity (kW) Rooms			COP	Power input rating
	A	B	Total (Min - Max)	W/W	A	A	B	Total (Min - Max)	W/W	A
2 Rooms										
5 + 5	1,60	1,60	3,20 (1,50 - 4,00)	3,76 **A**	4,00	2,60	2,60	5,20 (1,10 - 7,00)	4,60 **A**	5,00
5 + 7	1,60	2,00	3,60 (1,50 - 4,50)	3,71 **A**	4,55	2,40	3,00	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 9[1]	1,60	2,50	4,10 (1,50 - 5,10)	3,63 **A**	5,30	2,11	3,29	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 9[2]	1,60	2,80	4,40 (1,50 - 5,20)	3,61 **A**	5,70	1,96	3,44	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 12	1,50	3,00	4,50 (1,50 - 5,20)	3,66 **A**	5,75	1,80	3,60	5,40 (1,10 - 7,00)	4,58 **A**	5,25
7 + 7	2,00	2,00	4,00 (1,50 - 5,00)	3,67 **A**	5,10	2,70	2,70	5,40 (1,10 - 7,00)	4,62 **A**	5,20
7 + 9[1]	2,00	2,50	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,40	3,00	5,40 (1,10 - 7,00)	4,62 **A**	5,20
7 + 9[2]	1,85	2,65	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,25	3,15	5,40 (1,10 - 7,00)	4,62 **A**	5,20
7 + 12	1,75	2,75	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,10	3,30	5,40 (1,10 - 7,00)	4,62 **A**	5,20
9[1] + 9[1]	2,25	2,25	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,70	2,70	5,40 (1,10 - 7,00)	4,62 **A**	5,20
9[1] + 9[2]	2,10	2,40	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,55	2,85	5,40 (1,10 - 7,00)	4,62 **A**	5,20
9[1] + 12	2,00	2,50	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,40	3,00	5,40 (1,10 - 7,00)	4,62 **A**	5,20
9[2] + 9[2]	2,25	2,25	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,70	2,70	5,40 (1,10 - 7,00)	4,62 **A**	5,20

Free Multi 2x1 CU-2E18SBE. Minimum capacity connected: 3,2 kW. Maximum capacity connected: 7,5 kW

Indoor unit capacity	Cooling capacity (kW) Rooms			EER	Power input rating	Heating capacity (kW) Rooms			COP	Power input rating
	A	B	Total (Min - Max)	W/W	A	A	B	Total (Min - Max)	W/W	A
2 Rooms										
5 + 5	1,60	1,60	3,20 (1,50 - 4,00)	3,76 **A**	4,00	2,60	2,60	5,20 (1,10 - 7,00)	4,60 **A**	5,00
5 + 7	1,60	2,00	3,60 (1,50 - 4,50)	3,71 **A**	4,55	2,40	3,00	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 9[1]	1,60	2,50	4,10 (1,50 - 5,10)	3,63 **A**	5,30	2,11	3,29	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 9[2]	1,60	2,80	4,40 (1,50 - 5,20)	3,61 **A**	5,70	1,96	3,44	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 12	1,50	3,00	4,50 (1,50 - 5,20)	3,66 **A**	5,75	1,80	3,60	5,40 (1,10 - 7,00)	4,58 **A**	5,25
5 + 15	1,50	3,70	5,20 (1,50 - 5,40)	3,42 **A**	7,10	1,60	4,00	5,60 (1,10 - 7,20)	4,63 **A**	5,35
5 + 18	1,25	3,95	5,20 (1,50 - 5,40)	3,42 **A**	7,10	1,35	4,25	5,60 (1,10 - 7,20)	4,63 **A**	5,35
7 + 7	2,00	2,00	4,00 (1,50 - 5,00)	3,67 **A**	5,10	2,70	2,70	5,40 (1,10 - 7,00)	4,62 **A**	5,20
7 + 9[1]	2,00	2,50	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,40	3,00	5,40 (1,10 - 7,00)	4,62 **A**	5,20
7 + 9[2]	1,85	2,65	4,50 (1,50 - 5,20)	3,66 **A**	5,75	2,25	3,15	5,40 (1,10 - 7,00)	4,62 **A**	5,20
7 + 12	2,00	3,20	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,15	3,45	5,60 (1,10 - 7,20)	4,63 **A**	5,35
7 + 15	1,75	3,45	5,20 (1,50 - 5,40)	3,42 **A**	7,10	1,85	3,75	5,60 (1,10 - 7,20)	4,63 **A**	5,35
7 + 18	1,50	3,70	5,20 (1,50 - 5,40)	3,42 **A**	7,10	1,60	4,00	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[1] + 9[1]	2,50	2,50	5,00 (1,50 - 5,20)	3,47 **A**	6,70	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[1] + 9[2]	2,45	2,75	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,65	2,95	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[1] + 12	2,30	2,90	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,45	3,15	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[1] + 15	2,00	3,20	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,15	3,45	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[1] + 18	1,75	3,45	5,20 (1,50 - 5,40)	3,42 **A**	7,10	1,85	3,75	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[2] + 9[2]	2,60	2,60	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[2] + 12	2,45	2,75	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,60	3,00	5,60 (1,10 - 7,20)	4,63 **A**	5,35
9[2] + 15	2,15	3,05	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,30	3,30	5,60 (1,10 - 7,20)	4,63 **A**	5,35
12 + 12	2,60	2,60	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,80	2,80	5,60 (1,10 - 7,20)	4,63 **A**	5,35
12 + 15	2,30	2,90	5,20 (1,50 - 5,40)	3,42 **A**	7,10	2,50	3,10	5,60 (1,10 - 7,20)	4,63 **A**	5,35

1) For Etherea, 4 Way 60x60 cassette and Low static pressure hide away. 2) For Floor console.
* EER, COP, SEER, SCOP, Power input, Annual consumption is show following the ErP directive only on the 100% capacity combination as requested by the ErP directive.
* Data for not simultaneous operation.

Free Multi 3x1 combinations table

Free Multi 3x1 CU-3E18PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 9,0 kW

Indoor unit capacity	Cooling capacity (kW) Rooms				EER	Power input rating	Heating capacity (kW) Rooms				COP	Power input rating
	A	B	C	Total (Min - Max)	W/W	A	A	B	C	Total (Min - Max)	W/W	A
2 Rooms												
7 + 9	2,00	2,50		4,50 (1,80 - 6,20)	3,52 **A**	5,60	2,84	3,56		6,40 (1,40 - 7,00)	3,68 **A**	8,00
7 + 12	2,00	3,20		5,20 (1,80 - 6,30)	3,21 **A**	7,10	2,62	4,18		6,80 (1,40 - 7,30)	3,74 **A**	8,30
7 + 15	1,73	3,47		5,20 (1,90 - 6,40)	3,29 **A**	6,90	2,27	4,53		6,80 (1,40 - 7,30)	3,74 **A**	8,30
7 + 18	1,49	3,71		5,20 (1,90 - 6,80)	3,41 **A**	6,70	1,94	4,86		6,80 (1,40 - 8,00)	3,83 **A**	8,10
9 + 9	2,50	2,50		5,00 (1,80 - 6,20)	3,25 **A**	6,80	3,40	3,40		6,80 (1,40 - 7,00)	3,64 **A**	8,50
9 + 12	2,28	2,92		5,20 (1,90 - 6,30)	3,21 **A**	7,10	2,98	3,82		6,80 (1,40 - 7,30)	3,74 **A**	8,30
9 + 15	2,00	3,20		5,20 (1,90 - 6,40)	3,29 **A**	6,90	2,62	4,18		6,80 (1,40 - 7,30)	3,74 **A**	8,30
9 + 18	1,73	3,47		5,20 (1,90 - 6,80)	3,41 **A**	6,70	2,27	4,53		6,80 (1,40 - 8,00)	3,83 **A**	8,10
12 + 12	2,60	2,60		5,20 (1,90 - 6,40)	3,38 **A**	6,80	3,40	3,40		6,80 (1,40 - 7,50)	3,76 **A**	8,30
12 + 15	2,31	2,89		5,20 (1,90 - 6,50)	3,38 **A**	6,80	3,02	3,78		6,80 (1,40 - 7,50)	3,78 **A**	8,20
12 + 18	2,03	3,17		5,20 (1,90 - 6,90)	3,50 **A**	6,50	2,65	4,15		6,80 (1,40 - 8,00)	3,87 **A**	8,00
15 + 15	2,60	2,60		5,20 (1,90 - 6,50)	3,38 **A**	6,80	3,40	3,40		6,80 (1,40 - 7,60)	3,86 **A**	8,00
15 + 18	2,31	2,89		5,20 (1,90 - 6,90)	3,50 **A**	6,50	3,02	3,78		6,80 (1,40 - 8,00)	3,90 **A**	8,10
3 Rooms												
5 + 5 + 5	1,60	1,60	1,60	4,80 (1,80 - 7,20)	3,81 **A**	5,50	2,26	2,26	2,26	6,78 (1,50 - 8,10)	4,06 **A**	7,70
5 + 5 + 7	1,60	1,60	2,00	5,20 (1,80 - 7,30)	3,69 **A**	6,20	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,10 **A**	7,70
5 + 5 + 9	1,46	1,46	2,28	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,91	1,91	2,98	6,80 (1,60 - 8,30)	4,10 **A**	7,70
5 + 5 + 12	1,30	1,30	2,60	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,70	1,70	3,40	6,80 (1,60 - 8,30)	4,15 **A**	7,60
5 + 5 + 15	1,16	1,16	2,88	5,20 (1,80 - 7,30)	3,69 **A**	6,20	1,51	1,51	3,78	6,80 (1,60 - 8,30)	4,17 **A**	7,50
5 + 5 + 18	1,01	1,01	3,18	5,20 (1,80 - 7,30)	3,62 **A**	6,30	1,33	1,33	4,14	6,80 (1,60 - 8,30)	4,16 **A**	7,50
5 + 7 + 7	1,48	1,86	1,86	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,12 **A**	7,60
5 + 7 + 9	1,36	1,70	2,14	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,78	2,23	2,79	6,80 (1,60 - 8,30)	4,12 **A**	7,60
5 + 7 + 12	1,22	1,53	2,45	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,60	2,00	3,20	6,80 (1,60 - 8,30)	4,17 **A**	7,50
5 + 7 + 15	1,09	1,37	2,74	5,20 (1,80 - 7,30)	3,69 **A**	6,20	1,43	1,79	3,58	6,80 (1,60 - 8,30)	4,17 **A**	7,50
5 + 7 + 18	0,97	1,21	3,02	5,20 (1,80 - 7,30)	3,62 **A**	6,30	1,27	1,58	3,95	6,80 (1,60 - 8,30)	4,18 **A**	7,50
5 + 9 + 9	1,26	1,97	1,97	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,64	2,58	2,58	6,80 (1,60 - 8,30)	4,12 **A**	7,60
5 + 9 + 12	1,14	1,78	2,28	5,20 (1,80 - 7,30)	3,69 **A**	6,20	1,49	2,33	2,98	6,80 (1,60 - 8,30)	4,17 **A**	7,50
5 + 9 + 15	1,03	1,60	2,57	5,20 (1,80 - 7,30)	3,69 **A**	6,20	1,34	2,10	3,36	6,80 (1,60 - 8,30)	4,17 **A**	7,50
5 + 12 + 12	1,04	2,08	2,08	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,36	2,72	2,72	6,80 (1,60 - 8,30)	4,22 **A**	7,40
5 + 12 + 15	0,95	1,89	2,36	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,24	2,47	3,09	6,80 (1,60 - 8,30)	4,22 **A**	7,40
7 + 7 + 7	1,73	1,73	1,73	5,19 (1,90 - 7,20)	3,68 **A**	6,20	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,11 **A**	7,60
7 + 7 + 9	1,60	1,60	2,00	5,20 (1,90 - 7,20)	3,69 **A**	6,20	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,12 **A**	7,60
7 + 7 + 12	1,44	1,44	2,32	5,20 (1,90 - 7,20)	3,80 **A**	6,00	1,89	1,89	3,02	6,80 (1,60 - 8,30)	4,17 **A**	7,50
7 + 7 + 15	1,30	1,30	2,60	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,70	1,70	3,40	6,80 (1,60 - 8,30)	4,20 **A**	7,50
7 + 7 + 18	1,16	1,16	2,88	5,20 (1,80 - 7,30)	3,62 **A**	6,30	1,51	1,51	3,78	6,80 (1,60 - 8,30)	4,18 **A**	7,50
7 + 9 + 9	1,48	1,86	1,86	5,20 (1,90 - 7,20)	3,69 **A**	6,20	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,12 **A**	7,60
7 + 9 + 12	1,35	1,69	2,16	5,20 (1,90 - 7,20)	3,80 **A**	6,00	1,76	2,21	2,83	6,80 (1,60 - 8,30)	4,17 **A**	7,50
7 + 9 + 15	1,22	1,53	2,45	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,60	2,00	3,20	6,80 (1,60 - 8,30)	4,20 **A**	7,50
7 + 12 + 12	1,24	1,98	1,98	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,62	2,59	2,59	6,80 (1,60 - 8,30)	4,22 **A**	7,40
9 + 9 + 9	1,73	1,73	1,73	5,19 (1,90 - 7,20)	3,68 **A**	6,20	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,11 **A**	7,60
9 + 9 + 12	1,59	1,59	2,02	5,20 (1,90 - 7,20)	3,80 **A**	6,00	2,07	2,07	2,66	6,80 (1,60 - 8,30)	4,17 **A**	7,50
9 + 9 + 15	1,44	1,44	2,32	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,89	1,89	3,02	6,80 (1,60 - 8,30)	4,20 **A**	7,50
9 + 12 + 12	1,46	1,87	1,87	5,20 (1,80 - 7,30)	3,80 **A**	6,00	1,92	2,44	2,44	6,80 (1,60 - 8,30)	4,22 **A**	7,40

* All combinations refer to wall mounted indoor units.
* EER, COP, SEER, SCOP, Power input, Annual consumption is show following the ErP directive only on the 100 % capacity combination as requested by the ErP directive.
* Data for not simultaneous operation.

Free Multi 3x1 combinations table

Free Multi 3x1 CU-3E23SBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 11,0 kW

Indoor unit capacity	Cooling capacity (kW) Rooms				EER	Power input rating	Heating capacity (kW) Rooms				COP	Power input rating
	A	B	C	Total (Min - Max)	W/W	A	A	B	C	Total (Min - Max)	W/W	A
2 Rooms												
7 + 9	2,00	2,50		4,50 (1,90 - 6,40)	3,63 **A**	5,50	2,71	3,39		6,10 (2,70 - 9,80)	3,57 **B**	8,00
7 + 12	2,00	3,20		5,20 (1,90 - 6,90)	3,29 **A**	7,00	2,69	4,31		7,00 (2,70 - 9,90)	3,50 **B**	9,20
7 + 15	2,00	4,00		6,00 (1,90 - 6,90)	2,96 **C**	8,90	2,73	5,47		8,20 (2,70 - 9,90)	3,37 **C**	11,20
7 + 18	1,94	4,86		6,80 (2,00 - 7,50)	2,80 **C**	10,60	2,43	6,07		8,50 (2,80 - 10,20)	3,39 **C**	11,60
9 + 9	2,50	2,50		5,00 (1,90 - 6,80)	3,33 **A**	6,70	3,20	3,20		6,40 (2,70 - 9,80)	3,54 **B**	8,30
9 + 12	2,50	3,20		5,70 (1,90 - 6,90)	3,06 **B**	8,20	3,55	4,55		8,10 (2,70 - 9,90)	3,39 **C**	11,00
9 + 15	2,50	4,00		6,50 (1,90 - 6,90)	2,65 **D**	10,80	3,27	5,23		8,50 (2,70 - 9,90)	3,29 **C**	11,90
9 + 18	2,27	4,53		6,80 (1,90 - 7,50)	2,80 **C**	10,60	2,83	5,67		8,50 (2,80 - 10,20)	3,39 **C**	11,60
12 + 12	3,20	3,20		6,40 (1,90 - 7,00)	2,77 **D**	10,10	4,25	4,25		8,50 (2,80 - 10,00)	3,36 **C**	11,70
12 + 15	3,02	3,78		6,80 (1,90 - 7,10)	2,57 **E**	11,60	3,78	4,72		8,50 (2,80 - 10,00)	3,36 **C**	11,70
12 + 18	2,65	4,15		6,80 (2,00 - 7,60)	2,91 **C**	10,30	3,32	5,18		8,50 (2,80 - 10,30)	3,48 **B**	11,30
15 + 15	3,40	3,40		6,80 (1,90 - 7,10)	2,57 **E**	11,60	4,25	4,25		8,50 (2,80 - 10,00)	3,37 **C**	11,60
15 + 18	3,02	3,78		6,80 (2,00 - 7,60)	2,91 **C**	10,30	3,78	4,72		8,50 (2,80 - 10,30)	3,49 **B**	11,20
18 + 18	3,40	3,40		6,80 (2,10 - 8,10)	3,08 **B**	9,70	4,25	4,25		8,50 (2,80 - 10,50)	3,54 **B**	11,10
3 Rooms												
5 + 5 + 5	1,60	1,60	1,60	4,80 (1,90 - 8,00)	3,90 **A**	5,50	2,60	2,60	2,60	7,80 (3,30 - 10,40)	3,70 **A**	9,70
5 + 5 + 7	1,60	1,60	2,00	5,20 (1,90 - 8,00)	3,80 **A**	6,10	2,58	2,58	3,24	8,40 (3,30 - 10,40)	3,61 **A**	10,70
5 + 5 + 9	1,60	1,60	2,50	5,70 (1,90 - 8,00)	3,56 **A**	7,10	2,39	2,39	3,72	8,50 (3,30 - 10,40)	3,59 **B**	10,90
5 + 5 + 12	1,60	1,60	3,20	6,40 (1,90 - 8,00)	3,39 **A**	8,30	2,13	2,13	4,24	8,50 (3,30 - 10,40)	3,68 **A**	10,70
5 + 5 + 15	1,51	1,51	3,78	6,80 (1,90 - 8,10)	3,21 **A**	9,30	1,89	1,89	4,72	8,50 (3,30 - 10,50)	3,70 **A**	10,60
5 + 5 + 18	1,33	1,33	4,14	6,80 (2,00 - 8,50)	3,26 **A**	9,20	1,66	1,66	5,18	8,50 (3,20 - 10,60)	3,74 **A**	10,50
5 + 7 + 7	1,60	2,00	2,00	5,60 (1,90 - 8,00)	3,68 **A**	6,70	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,60 **A**	10,90
5 + 7 + 9	1,60	2,00	2,50	6,10 (1,90 - 8,00)	3,45 **A**	7,80	2,23	2,79	3,48	8,50 (3,30 - 10,40)	3,60 **A**	10,90
5 + 7 + 12	1,60	2,00	3,20	6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,00	2,50	4,00	8,50 (3,30 - 10,40)	3,70 **A**	10,60
5 + 7 + 15	1,43	1,79	3,58	6,80 (1,90 - 8,10)	3,21 **A**	9,30	1,79	2,24	4,47	8,50 (3,30 - 10,50)	3,71 **A**	10,60
5 + 7 + 18	1,27	1,58	3,95	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,58	1,98	4,94	8,50 (3,20 - 10,60)	3,75 **A**	10,40
5 + 9 + 9	1,60	2,50	2,50	6,60 (1,90 - 8,00)	3,25 **A**	8,90	2,06	3,22	3,22	8,50 (3,30 - 10,40)	3,60 **A**	10,90
5 + 9 + 12	1,49	2,33	2,98	6,80 (1,90 - 8,00)	3,21 **A**	9,30	1,86	2,91	3,73	8,50 (3,30 - 10,40)	3,70 **A**	10,60
5 + 9 + 15	1,34	2,10	3,36	6,80 (1,90 - 8,10)	3,21 **A**	9,30	1,68	2,62	4,20	8,50 (3,30 - 10,50)	3,71 **A**	10,60
5 + 9 + 18	1,19	1,87	3,74	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,49	2,34	4,67	8,50 (3,20 - 10,60)	3,75 **A**	10,40
5 + 12 + 12	1,36	2,72	2,72	6,80 (1,90 - 8,10)	3,29 **A**	9,10	1,70	3,40	3,40	8,50 (3,30 - 10,50)	3,73 **A**	10,50
5 + 12 + 15	1,24	2,47	3,09	6,80 (1,90 - 8,20)	3,29 **A**	9,10	1,55	3,09	3,86	8,50 (3,30 - 10,50)	3,74 **A**	10,50
5 + 12 + 18	1,11	2,22	3,47	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,38	2,78	4,34	8,50 (3,20 - 10,60)	3,79 **A**	10,40
5 + 15 + 15	1,14	2,83	2,83	6,80 (1,90 - 8,20)	3,29 **A**	9,10	1,42	3,54	3,54	8,50 (3,30 - 10,50)	3,76 **A**	10,40
5 + 15 + 18	1,02	2,57	3,21	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,28	3,21	4,01	8,50 (3,20 - 10,60)	3,80 **A**	10,30
7 + 7 + 7	2,00	2,00	2,00	6,00 (1,90 - 8,00)	3,49 **A**	7,60	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,66 **A**	10,70
7 + 7 + 9	2,00	2,00	2,50	6,50 (1,90 - 8,00)	3,28 **A**	8,70	2,62	2,62	3,26	8,50 (3,30 - 10,40)	3,66 **A**	10,70
7 + 7 + 12	1,89	1,89	3,02	6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,36	2,36	3,78	8,50 (3,30 - 10,40)	3,71 **A**	10,60
7 + 7 + 15	1,70	1,70	3,40	6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,13	2,13	4,24	8,50 (3,30 - 10,50)	3,73 **A**	10,50
7 + 7 + 18	1,51	1,51	3,78	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,89	1,89	4,72	8,50 (3,20 - 10,60)	3,77 **A**	10,40
7 + 9 + 9	1,94	2,43	2,43	6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,42	3,04	3,04	8,50 (3,30 - 10,40)	3,66 **A**	10,70
7 + 9 + 12	1,76	2,21	2,83	6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,21	2,76	3,53	8,50 (3,30 - 10,40)	3,71 **A**	10,60
7 + 9 + 15	1,60	2,00	3,20	6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,00	2,50	4,00	8,50 (3,30 - 10,50)	3,73 **A**	10,50
7 + 9 + 18	1,43	1,79	3,58	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,79	2,24	4,47	8,50 (3,20 - 10,60)	3,77 **A**	10,40
7 + 12 + 12	1,62	2,59	2,59	6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,02	3,24	3,24	8,50 (3,30 - 10,50)	3,74 **A**	10,50
7 + 12 + 15	1,47	2,37	2,96	6,80 (1,90 - 8,20)	3,29 **A**	9,10	1,84	2,96	3,70	8,50 (3,30 - 10,50)	3,76 **A**	10,40
7 + 12 + 18	1,33	2,13	3,34	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,66	2,67	4,17	8,50 (3,20 - 10,60)	3,80 **A**	10,30
7 + 15 + 15	1,36	2,72	2,72	6,80 (1,90 - 8,20)	3,37 **A**	8,90	1,70	3,40	3,40	8,50 (3,30 - 10,50)	3,78 **A**	10,40
7 + 15 + 18	1,24	2,47	3,09	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,55	3,09	3,86	8,50 (3,20 - 10,60)	3,82 **A**	10,30
9 + 9 + 9	2,26	2,26	2,26	6,78 (1,90 - 8,00)	3,20 **B**	9,30	2,83	2,83	2,83	8,49 (3,30 - 10,40)	3,66 **A**	10,70
9 + 9 + 12	2,07	2,07	2,66	6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,59	2,59	3,32	8,50 (3,30 - 10,40)	3,71 **A**	10,60
9 + 9 + 15	1,89	1,89	3,02	6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,36	2,36	3,78	8,50 (3,30 - 10,50)	3,73 **A**	10,50
9 + 9 + 18	1,70	1,70	3,40	6,80 (2,00 - 8,50)	3,34 **A**	8,90	2,13	2,13	4,24	8,50 (3,20 - 10,60)	3,77 **A**	10,40
9 + 12 + 12	1,92	2,44	2,44	6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,38	3,06	3,06	8,50 (3,30 - 10,50)	3,74 **A**	10,50
9 + 12 + 15	1,75	2,24	2,81	6,80 (1,90 - 8,20)	3,29 **A**	9,10	2,19	2,80	3,51	8,50 (3,30 - 10,50)	3,76 **A**	10,40
9 + 12 + 18	1,59	2,03	3,18	6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,99	2,54	3,97	8,50 (3,20 - 10,60)	3,80 **A**	10,30
9 + 15 + 15	1,62	2,59	2,59	6,80 (1,90 - 8,20)	3,37 **A**	8,90	2,02	3,24	3,24	8,50 (3,30 - 10,50)	3,78 **A**	10,40
12 + 12 + 12	2,26	2,26	2,26	6,78 (1,90 - 8,20)	3,36 **A**	8,90	2,83	2,83	2,83	8,49 (3,30 - 10,50)	3,84 **A**	10,20
12 + 12 + 15	2,09	2,09	2,62	6,80 (1,90 - 8,20)	3,37 **A**	8,90	2,62	2,62	3,26	8,50 (3,30 - 10,50)	3,86 **A**	10,10

* All combinations refer to wall mounted indoor units.
* EER, COP, SEER, SCOP, Power input, Annual consumption is show following the ErP directive only on the 100 % capacity combination as requested by the ErP directive.
* Data for not simultaneous operation.

Free Multi 4x1 combinations table

Free Multi 4x1 CU-4E23PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 11,0 kW

Indoor unit capacity	Cooling capacity (kW) Rooms					EER	Power input rating	Heating capacity (kW) Rooms					COP	Power input rating
	A	B	C	D	Total (Min - Max)	W/W	A	A	B	C	D	Total (Min - Max)	W/W	A
2 Rooms														
7 + 9	2,00	2,50			4,50 (1,90 - 6,40)	3,63 **A**	5,50	2,71	3,39			6,10 (2,70 - 9,80)	3,57 **B**	8,00
7 + 12	2,00	3,20			5,20 (1,90 - 6,90)	3,29 **A**	7,00	2,69	4,31			7,00 (2,70 - 9,90)	3,50 **B**	9,20
7 + 15	2,00	4,00			6,00 (1,90 - 6,90)	2,96 **C**	8,90	2,73	5,47			8,20 (2,70 - 9,90)	3,37 **C**	11,20
7 + 18	1,94	4,86			6,80 (2,00 - 7,50)	2,80 **C**	10,60	2,43	6,07			8,50 (2,80 - 10,20)	3,39 **C**	11,60
9 + 9	2,50	2,50			5,00 (1,90 - 6,80)	3,33 **A**	6,70	3,20	3,20			6,40 (2,70 - 9,80)	3,54 **B**	8,30
9 + 12	2,50	3,20			5,70 (1,90 - 6,90)	3,06 **B**	8,20	3,55	4,55			8,10 (2,70 - 9,90)	3,39 **C**	11,00
9 + 15	2,50	4,00			6,50 (1,90 - 6,90)	2,65 **D**	10,80	3,27	5,23			8,50 (2,70 - 9,90)	3,29 **C**	11,90
9 + 18	2,27	4,53			6,80 (1,90 - 7,50)	2,80 **C**	10,60	2,83	5,67			8,50 (2,80 - 10,20)	3,39 **C**	11,60
12 + 12	3,20	3,20			6,40 (1,90 - 7,00)	2,77 **D**	10,10	4,25	4,25			8,50 (2,80 - 10,00)	3,36 **C**	11,70
12 + 15	3,02	3,78			6,80 (1,90 - 7,10)	2,57 **E**	11,60	3,78	4,72			8,50 (2,80 - 10,00)	3,36 **C**	11,70
12 + 18	2,65	4,15			6,80 (2,00 - 7,60)	2,91 **C**	10,30	3,32	5,18			8,50 (2,80 - 10,30)	3,48 **B**	11,30
15 + 15	3,40	3,40			6,80 (1,90 - 7,10)	2,57 **E**	11,60	4,25	4,25			8,50 (2,80 - 10,00)	3,37 **C**	11,60
15 + 18	3,02	3,78			6,80 (2,00 - 7,60)	2,91 **C**	10,30	3,78	4,72			8,50 (2,80 - 10,30)	3,49 **B**	11,20
18 + 18	3,40	3,40			6,80 (2,10 - 8,10)	3,08 **B**	9,70	4,25	4,25			8,50 (2,80 - 10,50)	3,54 **B**	11,10
3 Rooms														
5 + 5 + 5	1,60	1,60	1,60		4,80 (1,90 - 8,00)	3,90 **A**	5,50	2,60	2,60	2,60		7,80 (3,30 - 10,40)	3,70 **A**	9,70
5 + 5 + 7	1,60	1,60	2,00		5,20 (1,90 - 8,00)	3,80 **A**	6,10	2,58	2,58	3,24		8,40 (3,30 - 10,40)	3,61 **A**	10,70
5 + 5 + 9	1,60	1,60	2,50		5,70 (1,90 - 8,00)	3,56 **A**	7,10	2,39	2,39	3,72		8,50 (3,30 - 10,40)	3,59 **B**	10,90
5 + 5 + 12	1,60	1,60	3,20		6,40 (1,90 - 8,00)	3,39 **A**	8,30	2,13	2,13	4,24		8,50 (3,30 - 10,40)	3,68 **A**	10,70
5 + 5 + 15	1,51	1,51	3,78		6,80 (1,90 - 8,10)	3,21 **A**	9,30	1,89	1,89	4,72		8,50 (3,30 - 10,50)	3,70 **A**	10,60
5 + 5 + 18	1,33	1,33	4,14		6,80 (2,00 - 8,50)	3,26 **A**	9,20	1,66	1,66	5,18		8,50 (3,20 - 10,60)	3,74 **A**	10,50
5 + 7 + 7	1,60	2,00	2,00		5,60 (1,90 - 8,00)	3,68 **A**	6,70	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,60 **A**	10,90
5 + 7 + 9	1,60	2,00	2,50		6,10 (1,90 - 8,00)	3,45 **A**	7,80	2,23	2,79	3,48		8,50 (3,30 - 10,40)	3,60 **A**	10,90
5 + 7 + 12	1,60	2,00	3,20		6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,00	2,50	4,00		8,50 (3,30 - 10,40)	3,70 **A**	10,60
5 + 7 + 15	1,43	1,79	3,58		6,80 (1,90 - 8,10)	3,21 **A**	9,30	1,79	2,24	4,47		8,50 (3,30 - 10,50)	3,71 **A**	10,60
5 + 7 + 18	1,27	1,58	3,95		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,58	1,98	4,94		8,50 (3,20 - 10,60)	3,75 **A**	10,40
5 + 9 + 9	1,60	2,50	2,50		6,60 (1,90 - 8,00)	3,25 **A**	8,90	2,06	3,22	3,22		8,50 (3,30 - 10,40)	3,60 **A**	10,90
5 + 9 + 12	1,49	2,33	2,98		6,80 (1,90 - 8,00)	3,21 **A**	9,30	1,86	2,91	3,73		8,50 (3,30 - 10,40)	3,70 **A**	10,60
5 + 9 + 15	1,34	2,10	3,36		6,80 (1,90 - 8,10)	3,21 **A**	9,30	1,68	2,62	4,20		8,50 (3,30 - 10,50)	3,71 **A**	10,60
5 + 9 + 18	1,19	1,87	3,74		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,49	2,34	4,67		8,50 (3,20 - 10,60)	3,75 **A**	10,40
5 + 12 + 12	1,36	2,72	2,72		6,80 (1,90 - 8,10)	3,29 **A**	9,10	1,70	3,40	3,40		8,50 (3,30 - 10,50)	3,73 **A**	10,50
5 + 12 + 15	1,24	2,47	3,09		6,80 (1,90 - 8,20)	3,29 **A**	9,10	1,55	3,09	3,86		8,50 (3,30 - 10,50)	3,74 **A**	10,50
5 + 12 + 18	1,11	2,22	3,47		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,38	2,78	4,34		8,50 (3,20 - 10,60)	3,79 **A**	10,40
5 + 15 + 15	1,14	2,83	2,83		6,80 (1,90 - 8,20)	3,29 **A**	9,10	1,42	3,54	3,54		8,50 (3,30 - 10,50)	3,76 **A**	10,40
5 + 15 + 18	1,02	2,57	3,21		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,28	3,21	4,01		8,50 (3,20 - 10,60)	3,80 **A**	10,30
7 + 7 + 7	2,00	2,00	2,00		6,00 (1,90 - 8,00)	3,49 **A**	7,60	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,66 **A**	10,70
7 + 7 + 9	2,00	2,00	2,50		6,50 (1,90 - 8,00)	3,28 **A**	8,70	2,62	2,62	3,26		8,50 (3,30 - 10,40)	3,66 **A**	10,70
7 + 7 + 12	1,89	1,89	3,02		6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,36	2,36	3,78		8,50 (3,30 - 10,40)	3,71 **A**	10,60
7 + 7 + 15	1,70	1,70	3,40		6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,13	2,13	4,24		8,50 (3,30 - 10,50)	3,73 **A**	10,50
7 + 7 + 18	1,51	1,51	3,78		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,89	1,89	4,72		8,50 (3,20 - 10,60)	3,77 **A**	10,40
7 + 9 + 9	1,94	2,43	2,43		6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,42	3,04	3,04		8,50 (3,30 - 10,40)	3,66 **A**	10,70
7 + 9 + 12	1,76	2,21	2,83		6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,21	2,76	3,53		8,50 (3,30 - 10,40)	3,71 **A**	10,60
7 + 9 + 15	1,60	2,00	3,20		6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,00	2,50	4,00		8,50 (3,30 - 10,50)	3,73 **A**	10,50
7 + 9 + 18	1,43	1,79	3,58		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,79	2,24	4,47		8,50 (3,20 - 10,60)	3,77 **A**	10,40
7 + 12 + 12	1,62	2,59	2,59		6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,02	3,24	3,24		8,50 (3,30 - 10,50)	3,74 **A**	10,50
7 + 12 + 15	1,47	2,37	2,96		6,80 (1,90 - 8,20)	3,29 **A**	9,10	1,84	2,96	3,70		8,50 (3,30 - 10,50)	3,76 **A**	10,40
7 + 12 + 18	1,33	2,13	3,34		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,66	2,67	4,17		8,50 (3,20 - 10,60)	3,80 **A**	10,30
7 + 15 + 15	1,36	2,72	2,72		6,80 (1,90 - 8,20)	3,37 **A**	8,90	1,70	3,40	3,40		8,50 (3,30 - 10,50)	3,78 **A**	10,40
7 + 15 + 18	1,24	2,47	3,09		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,55	3,09	3,86		8,50 (3,20 - 10,60)	3,82 **A**	10,30
9 + 9 + 9	2,26	2,26	2,26		6,78 (1,90 - 8,00)	3,20 **B**	9,30	2,83	2,83	2,83		8,49 (3,30 - 10,40)	3,66 **A**	10,70
9 + 9 + 12	2,07	2,07	2,66		6,80 (1,90 - 8,00)	3,21 **A**	9,30	2,59	2,59	3,32		8,50 (3,30 - 10,40)	3,71 **A**	10,60
9 + 9 + 15	1,89	1,89	3,02		6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,36	2,36	3,78		8,50 (3,30 - 10,50)	3,73 **A**	10,50
9 + 9 + 18	1,70	1,70	3,40		6,80 (2,00 - 8,50)	3,34 **A**	8,90	2,13	2,13	4,24		8,50 (3,20 - 10,60)	3,77 **A**	10,40
9 + 12 + 12	1,92	2,44	2,44		6,80 (1,90 - 8,10)	3,29 **A**	9,10	2,38	3,06	3,06		8,50 (3,30 - 10,50)	3,74 **A**	10,50
9 + 12 + 15	1,75	2,24	2,81		6,80 (1,90 - 8,20)	3,29 **A**	9,10	2,19	2,80	3,51		8,50 (3,30 - 10,50)	3,76 **A**	10,40
9 + 12 + 18	1,59	2,03	3,18		6,80 (2,00 - 8,50)	3,34 **A**	8,90	1,99	2,54	3,97		8,50 (3,20 - 10,60)	3,80 **A**	10,30
9 + 15 + 15	1,62	2,59	2,59		6,80 (1,90 - 8,20)	3,37 **A**	8,90	2,02	3,24	3,24		8,50 (3,30 - 10,50)	3,78 **A**	10,40
12 + 12 + 12	2,26	2,26	2,26		6,78 (1,90 - 8,20)	3,36 **A**	8,90	2,83	2,83	2,83		8,49 (3,30 - 10,50)	3,84 **A**	10,20
12 + 12 + 15	2,09	2,09	2,62		6,80 (1,90 - 8,20)	3,37 **A**	8,90	2,62	2,62	3,26		8,50 (3,30 - 10,50)	3,86 **A**	10,10
4 Rooms														
5 + 5 + 5 + 5	1,60	1,60	1,60	1,60	6,40 (1,90 - 8,70)	3,58 **A**	7,90	2,12	2,12	2,12	2,12	8,48 (3,00 - 10,60)	3,87 **A**	10,10
5 + 5 + 5 + 7	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	3,47 **A**	8,60	2,00	2,00	2,00	2,50	8,50 (3,00 - 10,60)	3,90 **A**	10,10
5 + 5 + 5 + 9	1,49	1,49	1,49	2,33	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,86	1,86	1,86	2,92	8,50 (3,00 - 10,60)	3,90 **A**	10,10
5 + 5 + 5 + 12	1,36	1,36	1,36	2,72	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,70	1,70	1,70	3,40	8,50 (3,00 - 10,60)	3,94 **A**	10,00
5 + 5 + 5 + 15	1,24	1,24	1,24	3,08	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,55	1,55	1,55	3,85	8,50 (3,00 - 10,60)	3,95 **A**	9,90
5 + 5 + 5 + 18	1,11	1,11	1,11	3,47	6,80 (1,90 - 8,80)	3,36 **A**	8,90	1,39	1,39	1,39	4,33	8,50 (3,00 - 10,60)	3,84 **A**	10,20
5 + 5 + 7 + 7	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	3,92 **A**	10,00
5 + 5 + 7 + 9	1,41	1,41	1,77	2,21	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,77	1,77	2,20	2,76	8,50 (3,10 - 10,60)	3,92 **A**	10,00
5 + 5 + 7 + 12	1,30	1,30	1,61	2,59	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,62	1,62	2,02	3,24	8,50 (3,00 - 10,60)	3,95 **A**	9,90
5 + 5 + 7 + 15	1,18	1,18	1,48	2,96	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,48	1,48	1,84	3,70	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 5 + 7 + 18	1,07	1,07	1,33	3,33	6,80 (1,90 - 8,80)	3,36 **A**	8,90	1,33	1,33	1,67	4,17	8,50 (3,00 - 10,60)	3,84 **A**	10,20
5 + 5 + 9 + 9	1,33	1,33	2,07	2,07	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,66	1,66	2,59	2,59	8,50 (3,10 - 10,60)	3,92 **A**	10,00
5 + 5 + 9 + 12	1,22	1,22	1,91	2,45	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,53	1,53	2,38	3,06	8,50 (3,00 - 10,60)	3,95 **A**	9,90
5 + 5 + 9 + 15	1,12	1,12	1,76	2,80	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,40	1,40	2,19	3,51	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 5 + 9 + 18	1,02	1,02	1,58	3,18	6,80 (1,90 - 8,80)	3,36 **A**	8,90	1,27	1,27	1,99	3,97	8,50 (3,00 - 10,60)	3,84 **A**	10,20
5 + 5 + 12 + 12	1,13	1,13	2,27	2,27	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,42	1,42	2,83	2,83	8,50 (3,00 - 10,60)	3,99 **A**	9,80
5 + 5 + 12 + 15	1,05	1,05	2,08	2,62	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,31	1,31	2,61	3,27	8,50 (3,00 - 10,60)	4,01 **A**	9,80
5 + 7 + 7 + 7	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	3,94 **A**	10,00
5 + 7 + 7 + 9	1,34	1,68	1,68	2,10	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,68	2,10	2,10	2,62	8,50 (3,10 - 10,60)	3,94 **A**	10,00
5 + 7 + 7 + 12	1,23	1,55	1,55	2,47	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,55	1,93	1,93	3,09	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 7 + 7 + 15	1,13	1,42	1,42	2,83	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,42	1,77	1,77	3,54	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 7 + 7 + 18	1,03	1,28	1,28	3,21	6,80 (1,90 - 8,80)	3,36 **A**	8,90	1,28	1,60	1,60	4,02	8,50 (3,00 - 10,60)	3,85 **A**	10,20
5 + 7 + 9 + 9	1,26	1,58	1,98	1,98	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,58	1,98	2,47	2,47	8,50 (3,10 - 10,60)	3,94 **A**	10,00
5 + 7 + 9 + 12	1,17	1,46	1,83	2,34	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,46	1,83	2,28	2,93	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 7 + 9 + 15	1,08	1,35	1,68	2,69	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,35	1,68	2,10	3,37	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 7 + 12 + 12	1,08	1,36	2,18	2,18	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,36	1,70	2,72	2,72	8,50 (3,00 - 10,60)	4,01 **A**	9,80
5 + 7 + 12 + 15	1,01	1,26	2,01	2,52	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,26	1,57	2,52	3,15	8,50 (3,00 - 10,60)	4,01 **A**	9,80
5 + 9 + 9 + 9	1,19	1,87	1,87	1,87	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,48	2,34	2,34	2,34	8,50 (3,10 - 10,60)	3,94 **A**	10,00
5 + 9 + 9 + 12	1,11	1,73	1,73	2,23	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,38	2,17	2,17	2,78	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 9 + 9 + 15	1,03	1,60	1,60	2,57	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,28	2,00	2,00	3,22	8,50 (3,00 - 10,60)	3,97 **A**	9,90
5 + 9 + 12 + 12	1,04	1,62	2,07	2,07	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,30	2,02	2,59	2,59	8,50 (3,00 - 10,60)	4,01 **A**	9,80
7 + 7 + 7 + 7	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	3,47 **A**	8,60	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	3,93 **A**	10,00
7 + 7 + 7 + 9	1,60	1,60	1,60	2,00	6,80 (1,90 - 8,80)	3,47 **A**	8,60	2,00	2,00	2,00	2,50	8,50 (3,10 - 10,60)	3,94 **A**	10,00
7 + 7 + 7 + 12	1,48	1,48	1,48	2,36	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,85	1,85	1,85	2,95	8,50 (3,00 - 10,60)	3,97 **A**	9,90
7 + 7 + 7 + 15	1,36	1,36	1,36	2,72	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,70	1,70	1,70	3,40	8,50 (3,00 - 10,60)	3,99 **A**	9,80
7 + 7 + 7 + 18	1,24	1,24	1,24	3,08	6,80 (1,90 - 8,80)	3,36 **A**	8,90	1,55	1,55	1,55	3,85	8,50 (3,00 - 10,60)	3,87 **A**	10,10
7 + 7 + 9 + 9	1,51	1,51	1,89	1,89	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,89	1,89	2,36	2,36	8,50 (3,10 - 10,60)	3,94 **A**	10,00
7 + 7 + 9 + 12	1,40	1,40	1,75	2,25	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,75	1,75	2,19	2,81	8,50 (3,00 - 10,60)	3,97 **A**	9,90
7 + 7 + 9 + 15	1,30	1,30	1,61	2,59	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,62	1,62	2,02	3,24	8,50 (3,00 - 10,60)	3,99 **A**	9,80
7 + 7 + 12 + 12	1,31	1,31	2,09	2,09	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,63	1,63	2,62	2,62	8,50 (3,00 - 10,60)	4,01 **A**	9,80
7 + 9 + 9 + 9	1,43	1,79	1,79	1,79	6,80 (1,90 - 8,80)	3,47 **A**	8,60	1,78	2,24	2,24	2,24	8,50 (3,10 - 10,60)	3,94 **A**	10,00
7 + 9 + 9 + 12	1,33	1,67	1,67	2,13	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,67	2,08	2,08	2,67	8,50 (3,00 - 10,60)	3,97 **A**	9,90
7 + 9 + 9 + 15	1,23	1,55	1,55	2,47	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,55	1,93	1,93	3,09	8,50 (3,00 - 10,60)	3,99 **A**	9,80
7 + 9 + 12 + 12	1,24	1,56	2,00	2,00	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,55	1,95	2,50	2,50	8,50 (3,00 - 10,60)	4,01 **A**	9,80
9 + 9 + 9 + 9	1,70	1,70	1,70	1,70	6,80 (1,90 - 8,80)	3,47 **A**	8,60	2,12	2,12	2,12	2,12	8,48 (3,10 - 10,60)	3,93 **A**	10,00
9 + 9 + 9 + 12	1,59	1,59	1,59	2,03	6,80 (1,90 - 8,80)	3,54 **A**	8,40	1,99	1,99	1,99	2,53	8,50 (3,00 - 10,60)	3,97 **A**	9,90
9 + 9 + 28 + 12	1,55	1,55	1,72	1,98	6,80 (1,90 - 8,80)	3,68 **A**	8,10	1,93	1,93	2,16	2,48	8,50 (3,00 - 10,60)	4,11 **A**	9,50

Free Multi 4x1 combinations table

Free Multi 4x1 CU-4E27PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 13,6 kW

Indoor unit capacity	Cooling capacity (kW) Rooms					EER	Power input rating	Heating capacity (kW) Rooms					COP	Power input rating
	A	B	C	D	Total (Min - Max)	W/W	A	A	B	C	D	Total (Min - Max)	W/W	A
2 Rooms														
7 + 9	2,00	2,50			4,50 (2,40 - 5,80)	3,31 **A**	6,50	2,71	3,39			6,10 (2,20 - 8,20)	3,14 **D**	9,10
7 + 12	2,00	3,20			5,20 (2,40 - 5,80)	3,33 **A**	7,50	2,65	4,25			6,90 (2,20 - 8,60)	3,33 **C**	9,70
7 + 15	2,00	4,00			6,00 (2,40 - 6,70)	3,00 **C**	9,50	2,63	5,27			7,90 (2,20 - 9,80)	3,22 **C**	11,50
7 + 18	2,00	5,00			7,00 (2,40 - 8,10)	3,02 **B**	11,00	2,57	6,43			9,00 (2,20 - 10,00)	3,51 **B**	12,10
7 + 24	1,78	6,22			8,00 (2,50 - 8,50)	2,86 **C**	13,30	2,09	7,31			9,40 (2,20 - 10,30)	3,49 **B**	12,70
9 + 9	2,50	2,50			5,00 (2,40 - 5,80)	3,31 **A**	7,20	3,25	3,25			6,50 (2,20 - 8,60)	3,32 **C**	9,20
9 + 12	2,50	3,20			5,70 (2,40 - 6,70)	3,11 **B**	8,70	3,20	4,10			7,30 (2,20 - 9,80)	3,29 **C**	10,40
9 + 15	2,50	4,00			6,50 (2,40 - 7,20)	2,81 **C**	11,00	3,19	5,11			8,30 (2,20 - 10,00)	3,18 **D**	12,30
9 + 18	2,50	5,00			7,50 (2,40 - 8,50)	2,85 **C**	12,50	3,13	6,27			9,40 (2,20 - 10,00)	3,41 **B**	12,90
9 + 24	2,11	5,89			8,00 (2,50 - 8,50)	2,86 **C**	13,30	2,47	6,93			9,40 (2,20 - 10,30)	3,49 **B**	12,70
12 + 12	3,20	3,20			6,40 (2,40 - 7,20)	2,94 **C**	10,30	4,05	4,05			8,10 (2,20 - 10,00)	3,25 **C**	11,70
12 + 15	3,20	4,00			7,20 (2,40 - 8,10)	2,71 **D**	12,60	4,04	5,06			9,10 (2,20 - 10,00)	3,38 **C**	12,60
12 + 18	3,12	4,88			8,00 (2,50 - 8,50)	2,86 **C**	13,30	3,67	5,73			9,40 (2,20 - 10,00)	3,51 **B**	12,60
12 + 24	2,51	5,49			8,00 (2,50 - 8,60)	2,93 **C**	13,00	2,95	6,45			9,40 (2,20 - 10,30)	3,53 **B**	12,50
15 + 15	4,00	4,00			8,00 (2,50 - 8,50)	2,48 **E**	15,30	4,70	4,70			9,40 (2,20 - 10,00)	3,38 **C**	13,10
15 + 18	3,56	4,44			8,00 (2,50 - 8,50)	2,86 **C**	13,30	4,18	5,22			9,40 (2,20 - 10,30)	3,53 **B**	12,50
15 + 24	2,91	5,09			8,00 (2,50 - 8,60)	2,93 **C**	13,00	3,42	5,98			9,40 (2,20 - 10,50)	3,54 **B**	12,50
18 + 18	4,00	4,00			8,00 (2,50 - 8,60)	3,10 **B**	12,20	4,70	4,70			9,40 (2,20 - 10,30)	3,62 **A**	12,20
18 + 24	3,33	4,67			8,00 (2,50 - 8,60)	3,17 **B**	12,00	3,92	5,48			9,40 (2,20 - 10,50)	3,63 **A**	12,20
3 Rooms														
5 + 5 + 5	1,60	1,60	1,60		4,80 (3,00 - 8,50)	3,72 **A**	6,20	2,87	2,87	2,87		8,61 (3,20 - 10,40)	3,71 **A**	10,90
5 + 5 + 7	1,60	1,60	2,00		5,20 (3,00 - 8,50)	3,74 **A**	6,70	2,65	2,65	3,31		8,61 (3,20 - 10,40)	3,81 **A**	10,60
5 + 5 + 9	1,60	1,60	2,50		5,70 (3,00 - 8,50)	3,56 **A**	7,70	2,42	2,42	3,77		8,61 (3,20 - 10,40)	3,81 **A**	10,60
5 + 5 + 12	1,60	1,60	3,20		6,40 (3,00 - 8,50)	3,40 **A**	8,90	2,15	2,15	4,31		8,61 (3,20 - 10,40)	3,86 **A**	10,50
5 + 5 + 15	1,60	1,60	4,00		7,20 (3,00 - 8,50)	3,35 **A**	10,20	1,91	1,91	4,79		8,61 (3,20 - 10,40)	3,88 **A**	10,40
5 + 5 + 18	1,56	1,56	4,88		8,00 (3,00 - 8,60)	3,31 **A**	11,50	1,68	1,68	5,25		8,61 (3,20 - 10,40)	3,89 **A**	10,40
5 + 5 + 24	1,25	1,25	5,50		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,35	1,35	5,91		8,61 (3,20 - 10,50)	3,90 **A**	10,40
5 + 7 + 7	1,60	2,00	2,00		5,60 (3,00 - 8,50)	3,61 **A**	7,40	2,45	3,08	3,08		8,61 (3,20 - 10,40)	3,83 **A**	10,60
5 + 7 + 9	1,60	2,00	2,50		6,10 (3,00 - 8,50)	3,47 **A**	8,30	2,26	2,82	3,53		8,61 (3,20 - 10,40)	3,83 **A**	10,60
5 + 7 + 12	1,60	2,00	3,20		6,80 (3,00 - 8,50)	3,43 **A**	9,40	2,03	2,53	4,05		8,61 (3,20 - 10,40)	3,88 **A**	10,40
5 + 7 + 15	1,60	2,00	4,00		7,60 (3,00 - 8,50)	3,25 **A**	11,10	1,81	2,27	4,53		8,61 (3,20 - 10,40)	3,90 **A**	10,40
5 + 7 + 18	1,49	1,86	4,65		8,00 (3,00 - 8,60)	3,31 **A**	11,50	1,60	2,00	5,01		8,61 (3,20 - 10,50)	3,89 **A**	10,40
5 + 7 + 24	1,21	1,51	5,28		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,30	1,62	5,69		8,61 (3,20 - 10,50)	3,90 **A**	10,40
5 + 9 + 9	1,60	2,50	2,50		6,60 (3,00 - 8,50)	3,30 **A**	9,50	2,09	3,26	3,26		8,61 (3,20 - 10,40)	3,83 **A**	10,60
5 + 9 + 12	1,60	2,50	3,20		7,30 (3,00 - 8,50)	3,30 **A**	10,50	1,89	2,95	3,77		8,61 (3,20 - 10,40)	3,88 **A**	10,40
5 + 9 + 15	1,58	2,47	3,95		8,00 (3,00 - 8,60)	3,20 **B**	11,90	1,70	2,66	4,25		8,61 (3,20 - 10,40)	3,90 **A**	10,40
5 + 9 + 18	1,40	2,20	4,40		8,00 (3,00 - 8,60)	3,31 **A**	11,50	1,51	2,37	4,73		8,61 (3,20 - 10,50)	3,89 **A**	10,40
5 + 9 + 24	1,15	1,80	5,05		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,24	1,94	5,43		8,61 (3,20 - 10,60)	3,90 **A**	10,40
5 + 12 + 12	1,60	3,20	3,20		8,00 (3,00 - 8,60)	3,28 **A**	11,60	1,73	3,44	3,44		8,61 (3,20 - 10,40)	3,93 **A**	10,30
5 + 12 + 15	1,45	2,91	3,64		8,00 (3,00 - 8,60)	3,28 **A**	11,60	1,57	3,13	3,91		8,61 (3,20 - 10,50)	3,95 **A**	10,20
5 + 12 + 18	1,31	2,61	4,08		8,00 (3,00 - 8,60)	3,40 **A**	11,20	1,41	2,81	4,39		8,61 (3,20 - 10,50)	3,94 **A**	10,30
5 + 12 + 24	1,08	2,17	4,75		8,00 (3,00 - 9,00)	3,40 **A**	11,20	1,17	2,33	5,11		8,61 (3,20 - 10,60)	3,96 **A**	10,20
5 + 15 + 15	1,34	3,33	3,33		8,00 (3,00 - 8,60)	3,28 **A**	11,60	1,43	3,59	3,59		8,61 (3,20 - 10,50)	3,95 **A**	10,20
5 + 15 + 18	1,21	3,02	3,77		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,30	3,25	4,06		8,61 (3,20 - 10,50)	3,94 **A**	10,30
5 + 15 + 24	1,02	2,54	4,44		8,00 (3,00 - 9,00)	3,49 **A**	10,90	1,09	2,73	4,79		8,61 (3,20 - 10,60)	3,96 **A**	10,20
5 + 18 + 18	1,10	3,45	3,45		8,00 (3,00 - 8,80)	3,42 **A**	11,10	1,19	3,71	3,71		8,61 (3,20 - 10,60)	3,90 **A**	10,40
5 + 18 + 24	0,94	2,94	4,12		8,00 (3,00 - 9,00)	3,42 **A**	11,10	1,01	3,17	4,43		8,61 (3,20 - 10,60)	3,84 **A**	10,50
7 + 7 + 7	2,00	2,00	2,00		6,00 (3,00 - 8,50)	3,51 **A**	8,20	2,87	2,87	2,87		8,61 (3,20 - 10,40)	3,84 **A**	10,50
7 + 7 + 9	2,00	2,00	2,50		6,50 (3,00 - 8,50)	3,35 **A**	9,20	2,77	2,77	3,46		9,00 (3,20 - 10,40)	3,78 **A**	11,20
7 + 7 + 12	2,00	2,00	3,20		7,20 (3,00 - 8,50)	3,35 **A**	10,20	2,61	2,61	4,18		9,40 (3,20 - 10,40)	3,76 **A**	11,70
7 + 7 + 15	2,00	2,00	4,00		8,00 (3,00 - 8,60)	3,20 **B**	11,90	2,35	2,35	4,70		9,40 (3,20 - 10,40)	3,78 **A**	11,70
7 + 7 + 18	1,78	1,78	4,44		8,00 (3,00 - 8,60)	3,40 **A**	11,20	2,09	2,09	5,22		9,40 (3,20 - 10,50)	3,80 **A**	11,60
7 + 7 + 24	1,45	1,45	5,10		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,71	1,71	5,98		9,40 (3,20 - 10,50)	3,81 **A**	11,60
7 + 9 + 9	2,00	2,50	2,50		7,00 (3,00 - 8,50)	3,33 **A**	10,00	2,68	3,36	3,36		9,40 (3,20 - 10,40)	3,72 **A**	11,90
7 + 9 + 12	2,00	2,50	3,20		7,70 (3,00 - 8,50)	3,32 **A**	11,00	2,44	3,05	3,91		9,40 (3,20 - 10,40)	3,76 **A**	11,70
7 + 9 + 15	1,88	2,35	3,77		8,00 (3,00 - 8,60)	3,20 **B**	11,90	2,21	2,76	4,43		9,40 (3,20 - 10,40)	3,78 **A**	11,70
7 + 9 + 18	1,68	2,11	4,21		8,00 (3,00 - 8,60)	3,40 **A**	11,20	1,98	2,47	4,95		9,40 (3,20 - 10,50)	3,80 **A**	11,60
7 + 9 + 24	1,39	1,74	4,87		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,63	2,04	5,73		9,40 (3,20 - 10,60)	3,81 **A**	11,60
7 + 12 + 12	1,90	3,05	3,05		8,00 (3,00 - 8,60)	3,28 **A**	11,60	2,24	3,58	3,58		9,40 (3,20 - 10,40)	3,81 **A**	11,60
7 + 12 + 15	1,74	2,78	3,48		8,00 (3,00 - 8,60)	3,28 **A**	11,60	2,04	3,27	4,09		9,40 (3,20 - 10,50)	3,82 **A**	11,60
7 + 12 + 18	1,57	2,51	3,92		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,84	2,95	4,61		9,40 (3,20 - 10,50)	3,83 **A**	11,50
7 + 12 + 24	1,31	2,10	4,59		8,00 (3,00 - 9,00)	3,49 **A**	10,90	1,54	2,47	5,39		9,40 (3,20 - 10,60)	3,86 **A**	11,40
7 + 15 + 15	1,60	3,20	3,20		8,00 (3,00 - 8,80)	3,28 **A**	11,60	1,88	3,76	3,76		9,40 (3,20 - 10,50)	3,84 **A**	11,50
7 + 15 + 18	1,45	2,91	3,64		8,00 (3,00 - 8,80)	3,40 **A**	11,20	1,71	3,42	4,27		9,40 (3,20 - 10,50)	3,84 **A**	11,50
7 + 15 + 24	1,23	2,46	4,31		8,00 (3,00 - 9,00)	3,49 **A**	10,90	1,45	2,89	5,06		9,40 (3,20 - 10,60)	3,86 **A**	11,40
7 + 18 + 18	1,34	3,33	3,33		8,00 (3,00 - 9,00)	3,42 **A**	11,10	1,56	3,92	3,92		9,40 (3,20 - 10,60)	3,82 **A**	11,60
9 + 9 + 9	2,50	2,50	2,50		7,50 (3,00 - 8,50)	3,21 **A**	11,10	3,13	3,13	3,13		9,39 (3,20 - 10,40)	3,71 **A**	11,90
9 + 9 + 12	2,44	2,44	3,12		8,00 (3,00 - 8,60)	3,20 **B**	11,90	2,87	2,87	3,66		9,40 (3,20 - 10,40)	3,76 **A**	11,70
9 + 9 + 15	2,22	2,22	3,56		8,00 (3,00 - 8,60)	3,20 **B**	11,90	2,61	2,61	4,18		9,40 (3,20 - 10,50)	3,78 **A**	11,70
9 + 9 + 18	2,00	2,00	4,00		8,00 (3,00 - 8,80)	3,40 **A**	11,20	2,35	2,35	4,70		9,40 (3,20 - 10,50)	3,80 **A**	11,60
9 + 9 + 24	1,67	1,67	4,66		8,00 (3,00 - 9,00)	3,40 **A**	11,20	1,96	1,96	5,48		9,40 (3,20 - 10,60)	3,81 **A**	11,60
9 + 12 + 12	2,24	2,88	2,88		8,00 (3,00 - 8,60)	3,28 **A**	11,60	2,64	3,38	3,38		9,40 (3,20 - 10,50)	3,81 **A**	11,60
9 + 12 + 15	2,06	2,64	3,30		8,00 (3,00 - 8,60)	3,28 **A**	11,60	2,42	3,10	3,88		9,40 (3,20 - 10,50)	3,82 **A**	11,60
9 + 12 + 18	1,87	2,39	3,74		8,00 (3,00 - 8,80)	3,40 **A**	11,20	2,20	2,81	4,39		9,40 (3,20 - 10,50)	3,83 **A**	11,50
9 + 12 + 24	1,57	2,02	4,41		8,00 (3,00 - 9,00)	3,49 **A**	10,90	1,85	2,37	5,18		9,40 (3,20 - 10,60)	3,86 **A**	11,40
9 + 15 + 15	1,90	3,05	3,05		8,00 (3,00 - 8,80)	3,28 **A**	11,60	2,24	3,58	3,58		9,40 (3,20 - 10,50)	3,84 **A**	11,50
9 + 15 + 18	1,74	2,78	3,48		8,00 (3,00 - 8,80)	3,40 **A**	11,20	2,04	3,27	4,09		9,40 (3,20 - 10,60)	3,84 **A**	11,50
9 + 15 + 24	1,48	2,37	4,15		8,00 (3,00 - 9,00)	3,49 **A**	10,90	1,74	2,79	4,87		9,40 (3,20 - 10,60)	3,86 **A**	11,40
9 + 18 + 18	1,60	3,20	3,20		8,00 (3,00 - 9,00)	3,42 **A**	11,10	1,88	3,76	3,76		9,40 (3,20 - 10,60)	3,82 **A**	11,60
12 + 12 + 12	2,66	2,66	2,66		7,98 (3,00 - 8,60)	3,35 **A**	11,30	3,13	3,13	3,13		9,39 (3,20 - 10,50)	3,85 **A**	11,50
12 + 12 + 15	2,46	2,46	3,08		8,00 (3,00 - 8,80)	3,36 **A**	11,30	2,89	2,89	3,62		9,40 (3,20 - 10,50)	3,87 **A**	11,40
12 + 12 + 18	2,25	2,25	3,50		8,00 (3,00 - 8,80)	3,49 **A**	10,90	2,64	2,64	4,12		9,40 (3,20 - 10,60)	3,88 **A**	11,40
12 + 12 + 24	1,91	1,91	4,18		8,00 (3,00 - 9,00)	3,49 **A**	10,90	2,24	2,24	4,92		9,40 (3,20 - 10,60)	3,89 **A**	11,30
12 + 15 + 15	2,28	2,86	2,86		8,00 (3,00 - 8,80)	3,36 **A**	11,30	2,68	3,36	3,36		9,40 (3,20 - 10,60)	3,88 **A**	11,40
12 + 15 + 18	2,10	2,62	3,28		8,00 (3,00 - 9,00)	3,49 **A**	10,90	2,47	3,08	3,85		9,40 (3,20 - 10,60)	3,89 **A**	11,30
12 + 18 + 18	1,94	3,03	3,03		8,00 (3,00 - 9,00)	3,42 **A**	11,10	2,28	3,56	3,56		9,40 (3,20 - 10,60)	3,85 **A**	11,50
15 + 15 + 15	2,66	2,66	2,66		7,98 (3,00 - 9,00)	3,35 **A**	11,30	3,13	3,13	3,13		9,39 (3,20 - 10,60)	3,90 **A**	11,30
15 + 15 + 18	2,46	2,46	3,08		8,00 (3,00 - 9,00)	3,49 **A**	10,90	2,89	2,89	3,62		9,40 (3,20 - 10,60)	3,89 **A**	11,30
4 Rooms														
5 + 5 + 5 + 5	1,60	1,60	1,60	1,60	6,40 (3,00 - 9,20)	3,62 **A**	8,40	2,35	2,35	2,35	2,35	9,40 (4,20 - 10,60)	3,92 **A**	11,30
5 + 5 + 5 + 7	1,60	1,60	1,60	2,00	6,80 (3,00 - 9,20)	3,64 **A**	8,90	2,21	2,21	2,21	2,77	9,40 (4,20 - 10,60)	3,93 **A**	11,20
5 + 5 + 5 + 9	1,60	1,60	1,60	2,50	7,30 (3,00 - 9,20)	3,58 **A**	9,70	2,06	2,06	2,06	3,22	9,40 (4,20 - 10,60)	3,93 **A**	11,20
5 + 5 + 5 + 12	1,60	1,60	1,60	3,20	8,00 (3,00 - 9,20)	3,54 **A**	10,70	1,88	1,88	1,88	3,76	9,40 (4,20 - 10,60)	3,97 **A**	11,10
5 + 5 + 5 + 15	1,45	1,45	1,45	3,65	8,00 (3,00 - 9,20)	3,54 **A**	10,70	1,71	1,71	1,71	4,27	9,40 (4,20 - 10,60)	3,98 **A**	11,10
5 + 5 + 5 + 18	1,31	1,31	1,31	4,07	8,00 (3,00 - 9,20)	3,55 **A**	10,70	1,53	1,53	1,53	4,81	9,40 (4,20 - 10,60)	3,86 **A**	11,40
5 + 5 + 5 + 24	1,08	1,08	1,08	4,76	8,00 (3,00 - 9,20)	3,55 **A**	10,70	1,27	1,27	1,27	5,59	9,40 (4,20 - 10,60)	3,88 **A**	11,40

Free Multi 4x1 CU-4E27PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 13,6 kW

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

* All combinations refer to wall mounted indoor units.
* EER, COP, SEER, SCOP, Power input, Annual consumption is show following the ErP directive only on the 100 % capacity combination as requested by the ErP directive.
* Data for not simultaneous operation.

Free Multi 5x1 combinations table

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 17,5 kW

Indoor unit capacity	Cooling capacity (kW) Rooms						EER	Power input rating	Heating capacity (kW) Rooms						COP	Power input rating
	A	B	C	D	E	Total (Min - Max)	W/W	A	A	B	C	D	E	Total (Min - Max)	W/W	A
2 Rooms																
7 + 9	2,00	2,50				4,50 (2,40 - 5,80)	3,26 A	6,40	2,71	3,39				6,10 (2,00 - 8,20)	3,19 D	9,00
7 + 12	2,00	3,20				5,20 (2,40 - 5,80)	3,25 A	7,50	2,65	4,25				6,90 (2,00 - 8,60)	3,25 C	10,00
7 + 15	2,00	4,00				6,00 (2,40 - 6,70)	2,91 C	9,50	2,63	5,27				7,90 (2,00 - 10,10)	3,12 D	11,90
7 + 18	2,00	5,00				7,00 (2,40 - 8,10)	2,91 C	11,10	2,57	6,43				9,00 (2,00 - 11,00)	3,36 C	12,60
7 + 24	2,00	7,00				9,00 (2,50 - 10,00)	2,43 E	17,10	2,38	8,32				10,70 (2,00 - 13,00)	3,28 C	15,30
9 + 9	2,50	2,50				5,00 (2,40 - 5,80)	3,23 A	7,20	3,25	3,25				6,50 (2,00 - 8,60)	3,25 C	9,40
9 + 12	2,50	3,20				5,70 (2,40 - 6,70)	3,03 B	8,70	3,20	4,10				7,30 (2,00 - 10,10)	3,20 C	10,70
9 + 15	2,50	4,00				6,50 (2,40 - 7,20)	2,74 D	10,90	3,19	5,11				8,30 (2,00 - 11,00)	3,07 D	12,70
9 + 18	2,50	5,00				7,50 (2,40 - 8,60)	2,74 D	12,60	3,13	6,27				9,40 (2,00 - 11,00)	3,24 C	13,60
9 + 24	2,50	7,00				9,50 (2,50 - 10,10)	2,30 F	19,00	2,92	8,18				11,10 (2,00 - 13,00)	3,33 C	15,60
12 + 12	3,20	3,20				6,40 (2,40 - 7,20)	2,86 C	10,30	4,05	4,05				8,10 (2,00 - 11,00)	3,15 D	12,10
12 + 15	3,20	4,00				7,20 (2,40 - 8,10)	2,61 D	12,70	4,04	5,06				9,10 (2,00 - 11,00)	3,12 D	13,70
12 + 18	3,20	5,00				8,20 (2,50 - 9,10)	2,62 D	14,50	3,98	6,22				10,20 (2,00 - 11,90)	3,33 C	14,40
12 + 24	3,14	6,86				10,00 (2,50 - 10,40)	2,24 F	20,60	3,76	8,24				12,00 (2,00 - 13,80)	3,35 C	16,80
15 + 15	4,00	4,00				8,00 (2,50 - 8,60)	2,37 F	15,60	5,05	5,05				10,10 (2,00 - 11,90)	3,10 D	15,30
15 + 18	4,00	5,00				9,00 (2,50 - 10,00)	2,43 E	17,10	4,98	6,22				11,20 (2,00 - 13,00)	3,51 B	15,00
15 + 24	3,64	6,36				10,00 (2,50 - 10,40)	2,28 F	20,30	4,36	7,64				12,00 (2,00 - 13,80)	3,37 C	16,70
18 + 18	5,00	5,00				10,00 (2,50 - 10,40)	2,53 E	18,30	6,00	6,00				12,00 (2,00 - 13,80)	3,57 B	15,80
18 + 24	4,17	5,83				10,00 (2,50 - 10,40)	2,62 D	17,60	5,00	7,00				12,00 (2,00 - 13,80)	3,59 B	15,70
24 + 24	5,00	5,00				10,00 (2,50 - 10,40)	2,72 D	16,90	6,00	6,00				12,00 (2,00 - 13,80)	3,60 A	15,60
3 Rooms																
5 + 5 + 5	1,60	1,60	1,60			4,80 (2,90 - 8,50)	3,66 A	6,10	2,33	2,33	2,33			6,99 (2,70 - 12,30)	3,53 B	9,30
5 + 5 + 7	1,60	1,60	2,00			5,20 (2,90 - 8,50)	3,64 A	6,70	2,34	2,34	2,92			7,60 (2,70 - 12,30)	3,50 B	10,20
5 + 5 + 9	1,60	1,60	2,50			5,70 (2,90 - 8,50)	3,48 A	7,60	2,22	2,22	3,46			7,90 (2,70 - 12,30)	3,46 B	10,70
5 + 5 + 12	1,60	1,60	3,20			6,40 (2,90 - 8,50)	3,32 A	8,90	2,18	2,18	4,34			8,70 (2,70 - 12,30)	3,49 B	11,70
5 + 5 + 15	1,60	1,60	4,00			7,20 (2,90 - 8,50)	3,21 A	10,30	2,16	2,16	5,38			9,70 (2,70 - 12,30)	3,32 C	13,70
5 + 5 + 18	1,60	1,60	5,00			8,20 (2,90 - 8,70)	3,09 B	12,20	2,11	2,11	6,58			10,80 (2,70 - 12,90)	3,70 A	13,70
5 + 5 + 24	1,57	1,57	6,86			10,00 (2,90 - 10,70)	2,92 C	15,80	1,88	1,88	8,24			12,00 (2,70 - 13,60)	3,58 B	15,70
5 + 7 + 7	1,60	2,00	2,00			5,60 (2,90 - 8,50)	3,52 A	7,40	2,32	2,89	2,89			8,10 (2,70 - 12,30)	3,57 B	10,70
5 + 7 + 9	1,60	2,00	2,50			6,10 (2,90 - 8,50)	3,37 A	8,30	2,23	2,79	3,48			8,50 (2,70 - 12,30)	3,43 B	11,70
5 + 7 + 12	1,60	2,00	3,20			6,80 (2,90 - 8,50)	3,32 A	9,50	2,18	2,74	4,38			9,30 (2,70 - 12,30)	3,52 B	12,40
5 + 7 + 15	1,60	2,00	4,00			7,60 (2,90 - 8,50)	3,13 B	11,20	2,17	2,71	5,42			10,30 (2,70 - 12,30)	3,55 B	13,60
5 + 7 + 18	1,60	2,00	5,00			8,60 (2,90 - 9,60)	3,01 B	13,20	2,10	2,63	6,57			11,30 (2,70 - 13,60)	3,79 A	14,00
5 + 7 + 24	1,51	1,89	6,60			10,00 (2,90 - 10,70)	2,92 C	15,80	1,81	2,26	7,93			12,00 (2,70 - 13,80)	3,65 A	15,50
5 + 9 + 9	1,60	2,50	2,50			6,60 (2,90 - 8,50)	3,22 A	9,50	2,14	3,33	3,33			8,80 (2,70 - 12,30)	3,51 B	11,80
5 + 9 + 12	1,60	2,50	3,20			7,30 (2,90 - 8,50)	3,17 B	10,60	2,10	3,29	4,21			9,60 (2,70 - 12,30)	3,42 B	13,20
5 + 9 + 15	1,60	2,50	4,00			8,10 (2,90 - 8,70)	3,01 B	12,40	2,09	3,27	5,24			10,60 (2,70 - 12,90)	3,46 B	14,40
5 + 9 + 18	1,60	2,50	5,00			9,10 (2,90 - 10,10)	3,07 B	13,70	2,06	3,21	6,43			11,70 (2,70 - 13,60)	3,73 A	14,80
5 + 9 + 24	1,44	2,25	6,31			10,00 (2,90 - 10,70)	2,92 C	15,80	1,73	2,70	7,57			12,00 (2,70 - 13,80)	3,65 A	15,50
5 + 12 + 12	1,60	3,20	3,20			8,00 (2,90 - 8,50)	3,14 B	11,80	2,08	4,16	4,16			10,40 (2,70 - 12,90)	3,55 B	13,80
5 + 12 + 15	1,60	3,20	4,00			8,80 (2,90 - 9,60)	2,91 C	13,90	2,07	4,15	5,18			11,40 (2,70 - 13,60)	3,61 A	14,80
5 + 12 + 18	1,60	3,20	5,00			9,80 (2,90 - 10,70)	2,98 C	15,10	1,96	3,92	6,12			12,00 (2,70 - 13,60)	3,74 A	15,10
5 + 12 + 24	1,36	2,71	5,93			10,00 (2,90 - 10,70)	2,98 C	15,50	1,63	3,25	7,12			12,00 (2,70 - 13,80)	3,75 A	15,00
5 + 15 + 15	1,60	4,00	4,00			9,60 (2,90 - 10,10)	2,83 C	15,60	2,00	5,00	5,00			12,00 (2,70 - 13,60)	3,56 B	15,80
5 + 15 + 18	1,51	3,77	4,72			10,00 (2,90 - 10,70)	2,92 C	15,80	1,81	4,53	5,66			12,00 (2,70 - 13,80)	3,75 A	15,00
5 + 15 + 24	1,27	3,17	5,56			10,00 (2,90 - 10,70)	2,98 C	15,50	1,52	3,81	6,67			12,00 (2,70 - 13,80)	3,76 A	15,00
5 + 18 + 18	1,38	4,31	4,31			10,00 (2,90 - 10,70)	3,08 B	15,00	1,66	5,17	5,17			12,00 (2,70 - 13,80)	3,87 A	14,60
5 + 18 + 24	1,17	3,68	5,15			10,00 (3,00 - 10,70)	3,14 B	14,70	1,41	4,41	6,18			12,00 (2,70 - 14,10)	3,88 A	14,50
5 + 24 + 24	1,02	4,49	4,49			10,00 (3,00 - 10,70)	3,22 A	14,30	1,24	5,38	5,38			12,00 (2,70 - 14,40)	3,90 A	14,50
7 + 7 + 7	2,00	2,00	2,00			6,00 (2,90 - 8,50)	3,43 A	8,10	2,87	2,87	2,87			8,61 (2,70 - 12,30)	3,66 A	11,00
7 + 7 + 9	2,00	2,00	2,50			6,50 (2,90 - 8,50)	3,27 A	9,20	2,77	2,77	3,46			9,00 (2,70 - 12,30)	3,59 B	11,80
7 + 7 + 12	2,00	2,00	3,20			7,20 (2,90 - 8,50)	3,21 A	10,30	2,72	2,72	4,36			9,80 (2,70 - 12,30)	3,50 B	13,20
7 + 7 + 15	2,00	2,00	4,00			8,00 (2,90 - 8,50)	3,05 B	12,10	2,70	2,70	5,40			10,80 (2,70 - 12,90)	3,65 A	13,90
7 + 7 + 18	2,00	2,00	5,00			9,00 (2,90 - 9,60)	3,02 B	13,80	2,64	2,64	6,62			11,90 (2,70 - 13,60)	3,73 A	15,00
7 + 7 + 24	1,82	1,82	6,36			10,00 (2,90 - 10,70)	2,92 C	15,80	2,18	2,18	7,64			12,00 (2,70 - 13,80)	3,79 A	14,90
7 + 9 + 9	2,00	2,50	2,50			7,00 (2,90 - 8,50)	3,21 A	10,10	2,68	3,36	3,36			9,40 (2,70 - 12,30)	3,52 B	12,50
7 + 9 + 12	2,00	2,50	3,20			7,70 (2,90 - 8,50)	3,17 B	11,20	2,65	3,31	4,24			10,20 (2,70 - 12,90)	3,54 B	13,50
7 + 9 + 15	2,00	2,50	4,00			8,50 (2,90 - 9,60)	2,87 C	13,60	2,64	3,29	5,27			11,20 (2,70 - 13,60)	3,71 A	14,20
7 + 9 + 18	2,00	2,50	5,00			9,50 (2,90 - 10,10)	2,94 C	14,90	2,52	3,16	6,32			12,00 (2,70 - 13,60)	3,70 A	15,20
7 + 9 + 24	1,74	2,17	6,09			10,00 (2,90 - 10,70)	2,92 C	15,80	2,09	2,61	7,30			12,00 (2,70 - 13,80)	3,79 A	14,90
7 + 12 + 12	2,00	3,20	3,20			8,40 (2,90 - 8,70)	2,98 C	13,00	2,62	4,19	4,19			11,00 (2,70 - 12,90)	3,68 A	14,10
7 + 12 + 15	2,00	3,20	4,00			9,20 (2,90 - 10,10)	2,88 C	14,80	2,61	4,17	5,22			12,00 (2,70 - 13,60)	3,61 A	15,60
7 + 12 + 18	1,96	3,14	4,90			10,00 (2,90 - 10,70)	2,92 C	15,80	2,35	3,76	5,89			12,00 (2,70 - 13,60)	3,81 A	14,80
7 + 12 + 24	1,64	2,62	5,74			10,00 (2,90 - 10,70)	2,98 C	15,50	1,96	3,15	6,89			12,00 (2,70 - 13,80)	3,82 A	14,80
7 + 15 + 15	2,00	4,00	4,00			10,00 (2,90 - 10,70)	2,67 D	17,30	2,40	4,80	4,80			12,00 (2,70 - 13,60)	3,63 A	15,60
7 + 15 + 18	1,81	3,64	4,55			10,00 (2,90 - 10,70)	2,92 C	15,80	2,18	4,36	5,46			12,00 (2,70 - 13,80)	3,82 A	14,80
7 + 15 + 24	1,54	3,08	5,38			10,00 (2,90 - 10,70)	3,04 B	15,10	1,85	3,69	6,46			12,00 (2,70 - 14,10)	3,85 A	14,70
7 + 18 + 18	1,66	4,17	4,17			10,00 (2,90 - 10,70)	3,08 B	15,00	2,00	5,00	5,00			12,00 (2,70 - 13,80)	3,95 A	14,30
7 + 18 + 24	1,43	3,57	5,00			10,00 (2,90 - 10,70)	3,14 B	14,70	1,71	4,29	6,00			12,00 (2,70 - 14,10)	3,96 A	14,20
7 + 24 + 24	1,24	4,38	4,38			10,00 (2,90 - 10,70)	3,22 A	14,30	1,50	5,25	5,25			12,00 (2,70 - 14,40)	3,91 A	14,40
9 + 9 + 9	2,50	2,50	2,50			7,50 (2,90 - 8,50)	3,09 B	11,20	3,23	3,23	3,23			9,69 (2,70 - 12,30)	3,41 B	13,30
9 + 9 + 12	2,50	2,50	3,20			8,20 (2,90 - 8,70)	2,97 C	12,70	3,20	3,20	4,10			10,50 (2,70 - 12,90)	3,55 B	13,90
9 + 9 + 15	2,50	2,50	4,00			9,00 (2,90 - 9,60)	2,79 D	14,90	3,19	3,19	5,12			11,50 (2,70 - 13,60)	3,62 A	14,90
9 + 9 + 18	2,50	2,50	5,00			10,00 (2,90 - 10,70)	2,86 C	16,10	3,00	3,00	6,00			12,00 (2,70 - 13,60)	3,70 A	15,20
9 + 9 + 24	2,08	2,08	5,84			10,00 (2,90 - 10,70)	2,92 C	15,80	2,50	2,50	7,00			12,00 (2,70 - 13,80)	3,79 A	14,90
9 + 12 + 12	2,50	3,20	3,20			8,90 (2,90 - 9,60)	2,88 C	14,20	3,18	4,06	4,06			11,30 (2,70 - 13,60)	3,70 A	14,30
9 + 12 + 15	2,50	3,20	4,00			9,70 (2,90 - 10,70)	2,80 C	16,00	3,09	3,96	4,95			12,00 (2,70 - 13,60)	3,61 A	15,60
9 + 12 + 18	2,34	2,99	4,67			10,00 (2,90 - 10,70)	2,92 C	15,80	2,80	3,59	5,61			12,00 (2,70 - 13,80)	3,81 A	14,80
9 + 12 + 24	1,97	2,52	5,51			10,00 (2,90 - 10,70)	2,98 C	15,50	2,36	3,02	6,62			12,00 (2,70 - 14,10)	3,82 A	14,80
9 + 15 + 15	2,38	3,81	3,81			10,00 (2,90 - 10,70)	2,67 D	17,30	2,86	4,57	4,57			12,00 (2,70 - 13,80)	3,63 A	15,60
9 + 15 + 18	2,17	3,48	4,35			10,00 (2,90 - 10,70)	2,92 C	15,80	2,61	4,17	5,22			12,00 (2,70 - 13,80)	3,82 A	14,80
9 + 15 + 24	1,85	2,96	5,19			10,00 (2,90 - 10,70)	3,04 B	15,10	2,22	3,56	6,22			12,00 (2,70 - 14,10)	3,85 A	14,70
9 + 18 + 18	2,00	4,00	4,00			10,00 (2,90 - 10,70)	3,08 B	15,00	2,40	4,80	4,80			12,00 (2,70 - 13,80)	3,95 A	14,30
9 + 18 + 24	1,72	3,45	4,83			10,00 (2,90 - 10,70)	3,14 B	14,70	2,07	4,14	5,79			12,00 (2,70 - 14,10)	3,96 A	14,20
9 + 24 + 24	1,52	4,24	4,24			10,00 (2,90 - 10,70)	3,22 A	14,30	1,82	5,09	5,09			12,00 (2,70 - 14,40)	3,91 A	14,40
12 + 12 + 12	3,20	3,20	3,20			9,60 (2,90 - 10,10)	2,89 C	15,30	4,00	4,00	4,00			12,00 (2,70 - 13,60)	3,64 A	15,50
12 + 12 + 15	3,08	3,08	3,84			10,00 (2,90 - 10,70)	2,72 D	17,00	3,69	3,69	4,62			12,00 (2,70 - 13,60)	3,66 A	15,40
12 + 12 + 18	2,81	2,81	4,38			10,00 (2,90 - 10,70)	2,98 C	15,50	3,37	3,37	5,26			12,00 (2,70 - 13,80)	3,85 A	14,70
12 + 12 + 24	2,39	2,39	5,22			10,00 (2,90 - 10,70)	3,04 B	15,10	2,87	2,87	6,26			12,00 (2,70 - 14,10)	3,86 A	14,60
12 + 15 + 15	2,86	3,57	3,57			10,00 (2,90 - 10,70)	2,78 D	16,60	3,42	4,29	4,29			12,00 (2,70 - 13,80)	3,67 A	15,40
12 + 15 + 18	2,62	3,28	4,10			10,00 (2,90 - 10,70)	2,98 C	15,50	3,15	3,93	4,92			12,00 (2,70 - 13,80)	3,86 A	14,60
12 + 15 + 24	2,25	2,82	4,93			10,00 (2,90 - 10,70)	3,04 B	15,10	2,70	3,38	5,92			12,00 (2,70 - 14,10)	3,88 A	14,50
12 + 18 + 18	2,42	3,79	3,79			10,00 (2,90 - 10,70)	3,14 B	14,70	2,90	4,55	4,55			12,00 (2,70 - 14,10)	3,91 A	14,40
12 + 18 + 24	2,10	3,29	4,61			10,00 (2,90 - 10,70)	3,22 A	14,30	2,52	3,95	5,53			12,00 (2,70 - 14,40)	3,93 A	14,30
12 + 24 + 24	1,86	4,07	4,07			10,00 (2,90 - 10,70)	3,21 A	14,40	2,24	4,88	4,88			12,00 (2,70 - 14,40)	3,95 A	14,30
15 + 15 + 15	3,33	3,33	3,33			9,99 (2,90 - 10,70)	2,78 D	16,60	4,00	4,00	4,00			12,00 (2,70 - 13,80)	3,68 A	15,30

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 17,5 kW

Indoor unit capacity	Cooling capacity (kW) Rooms						EER	Power input rating	Heating capacity (kW) Rooms						COP	Power input rating
	A	B	C	D	E	Total (Min - Max)	W/W	A	A	B	C	D	E	Total (Min - Max)	W/W	A
15 + 15 + 18	3,08	3,08	3,84			10,00 (2,90 - 10,70)	3,04 B	15,10	3,69	3,69	4,62			12,00 (2,70 - 14,10)	3,87 A	14,60
15 + 15 + 24	2,67	2,67	4,66			10,00 (2,90 - 10,70)	3,11 B	14,80	3,20	3,20	5,60			12,00 (2,70 - 14,40)	3,90 A	14,50
15 + 18 + 18	2,86	3,57	3,57			10,00 (2,90 - 10,70)	3,14 B	14,70	3,42	4,29	4,29			12,00 (2,70 - 14,10)	3,92 A	14,40
15 + 18 + 24	2,49	3,13	4,38			10,00 (2,90 - 10,70)	3,22 A	14,30	3,00	3,75	5,25			12,00 (2,70 - 14,40)	3,95 A	14,30
18 + 18 + 18	3,33	3,33	3,33			9,99 (2,90 - 10,70)	3,23 A	14,30	4,00	4,00	4,00			12,00 (2,70 - 14,40)	3,96 A	14,20
18 + 18 + 24	2,94	2,94	4,12			10,00 (2,90 - 10,70)	3,23 A	14,30	3,53	3,53	4,94			12,00 (2,70 - 14,40)	3,97 A	14,20
4 Rooms																
5 + 5 + 5 + 5	1,60	1,60	1,60	1,60		6,40 (2,90 - 10,60)	3,50 A	8,40	2,88	2,88	2,88	2,88		11,52 (3,40 - 14,20)	3,65 A	14,80
5 + 5 + 5 + 7	1,60	1,60	1,60	2,00		6,80 (2,90 - 10,60)	3,43 A	9,10	2,71	2,71	2,71	3,39		11,52 (3,40 - 14,20)	3,73 A	14,50
5 + 5 + 5 + 9	1,60	1,60	1,60	2,50		7,30 (2,90 - 10,60)	3,36 A	10,00	2,52	2,52	2,52	3,96		11,52 (3,40 - 14,20)	3,73 A	14,50
5 + 5 + 5 + 12	1,60	1,60	1,60	3,20		8,00 (2,90 - 10,60)	3,25 A	11,30	2,30	2,30	2,30	4,62		11,52 (3,40 - 14,20)	3,76 A	14,40
5 + 5 + 5 + 15	1,60	1,60	1,60	4,00		8,80 (2,90 - 10,60)	3,10 B	13,10	2,09	2,09	2,09	5,25		11,52 (3,40 - 14,20)	3,78 A	14,30
5 + 5 + 5 + 18	1,60	1,60	1,60	5,00		9,80 (2,90 - 10,60)	3,03 B	14,90	1,88	1,88	1,88	5,88		11,52 (3,40 - 14,20)	3,88 A	14,00
5 + 5 + 5 + 24	1,36	1,36	1,36	5,92		10,00 (2,90 - 10,60)	3,02 B	15,30	1,56	1,56	1,56	6,84		11,52 (3,40 - 14,20)	3,89 A	13,90
5 + 5 + 7 + 7	1,60	1,60	2,00	2,00		7,20 (2,90 - 10,60)	3,43 A	9,70	2,56	2,56	3,20	3,20		11,52 (3,40 - 14,20)	3,80 A	14,20
5 + 5 + 7 + 9	1,60	1,60	2,00	2,50		7,70 (2,90 - 10,60)	3,38 A	10,70	2,39	2,39	2,99	3,75		11,52 (3,40 - 14,20)	3,80 A	14,20
5 + 5 + 7 + 12	1,60	1,60	2,00	3,20		8,40 (2,90 - 10,60)	3,24 A	11,90	2,19	2,19	2,74	4,40		11,52 (3,40 - 14,20)	3,84 A	14,10
5 + 5 + 7 + 15	1,60	1,60	2,00	4,00		9,20 (2,90 - 10,60)	3,05 B	13,90	2,00	2,00	2,50	5,02		11,52 (3,40 - 14,20)	3,85 A	14,10
5 + 5 + 7 + 18	1,57	1,57	1,96	4,90		10,00 (2,90 - 10,60)	2,95 C	15,60	1,81	1,81	2,25	5,65		11,52 (3,40 - 14,20)	3,96 A	13,70
5 + 5 + 7 + 24	1,31	1,31	1,64	5,74		10,00 (2,90 - 10,80)	3,02 B	15,30	1,51	1,51	1,89	6,61		11,52 (3,40 - 14,20)	3,97 A	13,60
5 + 5 + 9 + 9	1,60	1,60	2,50	2,50		8,20 (2,90 - 10,60)	3,24 A	11,70	2,25	2,25	3,51	3,51		11,52 (3,40 - 14,20)	3,80 A	14,20
5 + 5 + 9 + 12	1,60	1,60	2,50	3,20		8,90 (2,90 - 10,60)	3,13 B	13,10	2,07	2,07	3,24	4,14		11,52 (3,40 - 14,20)	3,84 A	14,10
5 + 5 + 9 + 15	1,60	1,60	2,50	4,00		9,70 (2,90 - 10,60)	2,96 C	15,10	1,90	1,90	2,97	4,75		11,52 (3,40 - 14,20)	3,85 A	14,10
5 + 5 + 9 + 18	1,50	1,50	2,33	4,67		10,00 (2,90 - 10,60)	2,95 C	15,60	1,72	1,72	2,69	5,39		11,52 (3,40 - 14,20)	3,96 A	13,70
5 + 5 + 9 + 24	1,26	1,26	1,97	5,51		10,00 (2,90 - 10,80)	3,02 B	15,30	1,45	1,45	2,27	6,35		11,52 (3,40 - 14,20)	3,97 A	13,60
5 + 5 + 12 + 12	1,60	1,60	3,20	3,20		9,60 (2,90 - 10,60)	3,07 B	14,40	1,92	1,92	3,84	3,84		11,52 (3,40 - 14,20)	3,87 A	14,00
5 + 5 + 12 + 15	1,54	1,54	3,07	3,85		10,00 (2,90 - 10,60)	2,92 C	15,80	1,77	1,77	3,54	4,44		11,52 (3,40 - 14,20)	3,88 A	14,00
5 + 5 + 12 + 18	1,40	1,40	2,81	4,39		10,00 (2,90 - 10,60)	3,02 B	15,30	1,62	1,62	3,23	5,05		11,52 (3,40 - 14,20)	3,99 A	13,60
5 + 5 + 12 + 24	1,19	1,19	2,39	5,23		10,00 (2,90 - 10,80)	3,02 B	15,30	1,38	1,38	2,74	6,02		11,52 (3,40 - 14,40)	3,93 A	13,80
5 + 5 + 15 + 15	1,43	1,43	3,57	3,57		10,00 (2,90 - 10,60)	2,92 C	15,80	1,65	1,65	4,11	4,11		11,52 (3,40 - 14,20)	3,89 A	13,90
5 + 5 + 15 + 18	1,31	1,31	3,28	4,10		10,00 (2,90 - 10,80)	3,02 B	15,30	1,51	1,51	3,78	4,72		11,52 (3,40 - 14,20)	3,93 A	13,80
5 + 5 + 15 + 24	1,13	1,13	2,81	4,93		10,00 (3,00 - 11,00)	3,02 B	15,30	1,30	1,30	3,24	5,68		11,52 (3,40 - 14,40)	3,95 A	13,70
5 + 5 + 18 + 18	1,21	1,21	3,79	3,79		10,00 (2,90 - 10,80)	3,04 B	15,20	1,40	1,40	4,36	4,36		11,52 (3,40 - 14,40)	3,95 A	13,70
5 + 5 + 18 + 24	1,05	1,05	3,29	4,61		10,00 (3,00 - 11,00)	3,04 B	15,20	1,21	1,21	3,79	5,31		11,52 (3,40 - 14,40)	3,95 A	13,70
5 + 5 + 24 + 24	0,93	0,93	4,07	4,07		10,00 (3,00 - 11,20)	3,04 B	15,20	1,07	1,07	4,69	4,69		11,52 (3,40 - 14,40)	3,96 A	13,70
5 + 7 + 7 + 7	1,60	2,00	2,00	2,00		7,60 (2,90 - 10,60)	3,32 A	10,60	2,43	3,03	3,03	3,03		11,52 (3,40 - 14,20)	3,88 A	14,00
5 + 7 + 7 + 9	1,60	2,00	2,00	2,50		8,10 (2,90 - 10,60)	3,29 A	11,30	2,28	2,84	2,84	3,56		11,52 (3,40 - 14,20)	3,88 A	14,00
5 + 7 + 7 + 12	1,60	2,00	2,00	3,20		8,80 (2,90 - 10,60)	3,18 B	12,80	2,09	2,62	2,62	4,19		11,52 (3,40 - 14,20)	3,92 A	13,80
5 + 7 + 7 + 15	1,60	2,00	2,00	4,00		9,60 (2,90 - 10,60)	3,00 C	14,80	1,92	2,40	2,40	4,80		11,52 (3,40 - 14,20)	3,93 A	13,80
5 + 7 + 7 + 18	1,50	1,89	1,89	4,72		10,00 (2,90 - 10,60)	3,02 B	15,30	1,74	2,17	2,17	5,44		11,52 (3,40 - 14,20)	4,04 A	13,40
5 + 7 + 7 + 24	1,26	1,59	1,59	5,56		10,00 (2,90 - 10,80)	3,02 B	15,30	1,46	1,83	1,83	6,40		11,52 (3,40 - 14,20)	4,06 A	13,30
5 + 7 + 9 + 9	1,60	2,00	2,50	2,50		8,60 (2,90 - 10,60)	3,15 B	12,60	2,14	2,68	3,35	3,35		11,52 (3,40 - 14,20)	3,88 A	14,00
5 + 7 + 9 + 12	1,60	2,00	2,50	3,20		9,30 (2,90 - 10,60)	3,08 B	13,90	1,98	2,48	3,10	3,96		11,52 (3,40 - 14,20)	3,92 A	13,80
5 + 7 + 9 + 15	1,58	1,98	2,48	3,96		10,00 (2,90 - 10,60)	2,92 C	15,80	1,82	2,28	2,85	4,57		11,52 (3,40 - 14,20)	3,93 A	13,80
5 + 7 + 9 + 18	1,44	1,80	2,25	4,51		10,00 (2,90 - 10,60)	3,02 B	15,30	1,66	2,08	2,59	5,19		11,52 (3,40 - 14,20)	4,04 A	13,40
5 + 7 + 9 + 24	1,22	1,53	1,91	5,34		10,00 (2,90 - 10,80)	3,02 B	15,30	1,40	1,76	2,20	6,16		11,52 (3,40 - 14,40)	4,06 A	13,30
5 + 7 + 12 + 12	1,60	2,00	3,20	3,20		10,00 (2,90 - 10,60)	2,92 C	15,80	1,84	2,30	3,69	3,69		11,52 (3,40 - 14,20)	3,95 A	13,70
5 + 7 + 12 + 15	1,48	1,85	2,96	3,71		10,00 (2,90 - 10,60)	2,92 C	15,80	1,71	2,13	3,41	4,27		11,52 (3,40 - 14,20)	3,96 A	13,70
5 + 7 + 12 + 18	1,36	1,69	2,71	4,24		10,00 (2,90 - 10,80)	3,02 B	15,30	1,56	1,95	3,12	4,89		11,52 (3,40 - 14,20)	4,00 A	13,50
5 + 7 + 12 + 24	1,16	1,45	2,32	5,07		10,00 (2,90 - 10,80)	3,08 B	15,00	1,34	1,67	2,67	5,84		11,52 (3,40 - 14,40)	4,01 A	13,50
5 + 7 + 15 + 15	1,38	1,72	3,45	3,45		10,00 (2,90 - 10,60)	2,99 C	15,40	1,59	1,99	3,97	3,97		11,52 (3,40 - 14,20)	3,97 A	13,60
5 + 7 + 15 + 18	1,27	1,59	3,17	3,97		10,00 (2,90 - 10,80)	3,02 B	15,30	1,46	1,83	3,66	4,57		11,52 (3,40 - 14,20)	4,01 A	13,50
5 + 7 + 15 + 24	1,10	1,37	2,74	4,79		10,00 (3,00 - 11,00)	3,08 B	15,00	1,26	1,58	3,16	5,52		11,52 (3,40 - 14,40)	4,03 A	13,40
5 + 7 + 18 + 18	1,17	1,47	3,68	3,68		10,00 (2,90 - 10,80)	3,04 B	15,20	1,35	1,69	4,24	4,24		11,52 (3,40 - 14,40)	4,01 A	13,50
5 + 7 + 18 + 24	1,02	1,28	3,21	4,49		10,00 (3,00 - 11,00)	3,04 B	15,20	1,18	1,48	3,69	5,17		11,52 (3,40 - 14,40)	4,03 A	13,40
5 + 9 + 9 + 9	1,60	2,50	2,50	2,50		9,10 (2,90 - 10,60)	3,08 B	13,60	2,04	3,16	3,16	3,16		11,52 (3,40 - 14,20)	3,88 A	14,00
5 + 9 + 9 + 12	1,60	2,50	2,50	3,20		9,80 (2,90 - 10,60)	2,93 C	15,40	1,88	2,94	2,94	3,76		11,52 (3,40 - 14,20)	3,92 A	13,80
5 + 9 + 9 + 15	1,51	2,36	2,36	3,77		10,00 (2,90 - 10,60)	2,92 C	15,80	1,73	2,72	2,72	4,35		11,52 (3,40 - 14,20)	3,93 A	13,80
5 + 9 + 9 + 18	1,37	2,16	2,16	4,31		10,00 (2,90 - 10,60)	3,02 B	15,30	1,59	2,48	2,48	4,97		11,52 (3,40 - 14,20)	4,04 A	13,40
5 + 9 + 9 + 24	1,17	1,84	1,84	5,15		10,00 (2,90 - 10,80)	3,02 B	15,30	1,35	2,12	2,12	5,93		11,52 (3,40 - 14,40)	4,06 A	13,30
5 + 9 + 12 + 12	1,52	2,38	3,05	3,05		10,00 (2,90 - 10,60)	2,92 C	15,80	1,76	2,74	3,51	3,51		11,52 (3,40 - 14,20)	3,95 A	13,70
5 + 9 + 12 + 15	1,42	2,21	2,83	3,54		10,00 (2,90 - 10,60)	2,92 C	15,80	1,63	2,55	3,26	4,08		11,52 (3,40 - 14,20)	3,96 A	13,70
5 + 9 + 12 + 18	1,30	2,03	2,60	4,07		10,00 (2,90 - 10,80)	3,02 B	15,30	1,50	2,34	3,00	4,68		11,52 (3,40 - 14,20)	4,00 A	13,50
5 + 9 + 12 + 24	1,11	1,75	2,24	4,90		10,00 (3,00 - 11,00)	3,08 B	15,00	1,29	2,01	2,58	5,64		11,52 (3,40 - 14,40)	4,01 A	13,50
5 + 9 + 15 + 15	1,31	2,07	3,31	3,31		10,00 (2,90 - 10,80)	2,99 C	15,40	1,52	2,38	3,81	3,81		11,52 (3,40 - 14,20)	3,97 A	13,60
5 + 9 + 15 + 18	1,22	1,91	3,05	3,82		10,00 (2,90 - 10,80)	3,02 B	15,30	1,40	2,20	3,52	4,40		11,52 (3,40 - 14,40)	4,01 A	13,50
5 + 9 + 15 + 24	1,05	1,66	2,65	4,64		10,00 (3,00 - 11,00)	3,08 B	15,00	1,22	1,91	3,05	5,34		11,52 (3,40 - 14,40)	4,03 A	13,40
5 + 9 + 18 + 18	1,13	1,77	3,55	3,55		10,00 (2,90 - 10,80)	3,04 B	15,20	1,30	2,04	4,09	4,09		11,52 (3,40 - 14,40)	4,01 A	13,50
5 + 9 + 18 + 24	0,99	1,55	3,11	4,35		10,00 (3,00 - 11,20)	3,04 B	15,20	1,14	1,79	3,58	5,01		11,52 (3,40 - 14,40)	4,03 A	13,40
5 + 12 + 12 + 12	1,42	2,86	2,86	2,86		10,00 (2,90 - 10,60)	2,99 C	15,40	1,65	3,29	3,29	3,29		11,52 (3,40 - 14,20)	3,99 A	13,60
5 + 12 + 12 + 15	1,33	2,67	2,67	3,33		10,00 (2,90 - 10,60)	2,99 C	15,40	1,54	3,07	3,07	3,84		11,52 (3,40 - 14,20)	4,00 A	13,50
5 + 12 + 12 + 18	1,23	2,46	2,46	3,85		10,00 (2,90 - 10,80)	3,02 B	15,30	1,41	2,84	2,84	4,43		11,52 (3,40 - 14,40)	4,03 A	13,40
5 + 12 + 12 + 24	1,07	2,13	2,13	4,67		10,00 (3,00 - 11,00)	3,08 B	15,00	1,22	2,46	2,46	5,38		11,52 (3,40 - 14,40)	4,04 A	13,40
5 + 12 + 15 + 15	1,24	2,50	3,13	3,13		10,00 (2,90 - 10,80)	2,99 C	15,40	1,44	2,88	3,60	3,60		11,52 (3,40 - 14,40)	4,01 A	13,50
5 + 12 + 15 + 18	1,16	2,32	2,90	3,62		10,00 (2,90 - 10,80)	3,08 B	15,00	1,34	2,67	3,34	4,17		11,52 (3,40 - 14,40)	4,04 A	13,40
5 + 12 + 15 + 24	1,01	2,03	2,53	4,43		10,00 (3,00 - 11,20)	3,08 B	15,00	1,17	2,33	2,92	5,10		11,52 (3,40 - 14,40)	4,06 A	13,30
5 + 12 + 18 + 18	1,08	2,16	3,38	3,38		10,00 (3,00 - 11,00)	3,04 B	15,20	1,25	2,49	3,89	3,89		11,52 (3,40 - 14,40)	3,97 A	13,60
5 + 12 + 18 + 24	0,95	1,90	2,98	4,17		10,00 (3,00 - 11,20)	3,04 B	15,20	1,10	2,19	3,43	4,80		11,52 (3,40 - 14,40)	3,99 A	13,60
5 + 15 + 15 + 15	1,18	2,94	2,94	2,94		10,00 (2,90 - 10,80)	2,99 C	15,40	1,35	3,39	3,39	3,39		11,52 (3,40 - 14,40)	4,03 A	13,40
5 + 15 + 15 + 18	1,10	2,74	2,74	3,42		10,00 (3,00 - 11,00)	3,08 B	15,00	1,25	3,16	3,16	3,95		11,52 (3,40 - 14,40)	4,06 A	13,30
5 + 15 + 15 + 24	0,96	2,41	2,41	4,22		10,00 (3,00 - 11,20)	3,08 B	15,00	1,10	2,78	2,78	4,86		11,52 (3,40 - 14,40)	4,07 A	13,30
5 + 15 + 18 + 18	1,02	2,56	3,21	3,21		10,00 (3,00 - 11,00)	3,04 B	15,20	1,18	2,96	3,69	3,69		11,52 (3,40 - 14,40)	3,99 A	13,60
5 + 18 + 18 + 18	0,97	3,01	3,01	3,01		10,00 (3,00 - 11,20)	2,99 C	15,40	1,11	3,47	3,47	3,47		11,52 (3,40 - 14,40)	3,89 A	13,90
7 + 7 + 7 + 7	2,00	2,00	2,00	2,00		8,00 (2,90 - 10,60)	3,25 A	11,30	2,88	2,88	2,88	2,88		11,52 (3,40 - 14,20)	3,96 A	13,70
7 + 7 + 7 + 9	2,00	2,00	2,00	2,50		8,50 (2,90 - 10,60)	3,18 B	12,30	2,80	2,80	2,80	3,50		11,90 (3,40 - 14,20)	3,88 A	14,40
7 + 7 + 7 + 12	2,00	2,00	2,00	3,20		9,20 (2,90 - 10,60)	3,12 B	13,60	2,61	2,61	2,61	4,17		12,00 (3,40 - 14,20)	3,95 A	14,30
7 + 7 + 7 + 15	2,00	2,00	2,00	4,00		10,00 (2,90 - 10,60)	2,92 C	15,80	2,40	2,40	2,40	4,80		12,00 (3,40 - 14,20)	3,96 A	14,20
7 + 7 + 7 + 18	1,82	1,82	1,82	4,54		10,00 (2,90 - 10,60)	3,02 B	15,30	2,18	2,18	2,18	5,46		12,00 (3,40 - 14,20)	4,00 A	14,10
7 + 7 + 7 + 24	1,54	1,54	1,54	5,38		10,00 (2,90 - 10,80)	3,02 B	15,30	1,85	1,85	1,85	6,45		12,00 (3,40 - 14,40)	4,01 A	14,10
7 + 7 + 9 + 9	2,00	2,00	2,50	2,50		9,00 (2,90 - 10,60)	3,09 B	13,40	2,67	2,67	3,33	3,33		12,00 (3,40 - 14,20)	3,91 A	14,40
7 + 7 + 9 + 12	2,00	2,00	2,50	3,20		9,70 (2,90 - 10,60)	3,03 B	14,80	2,47	2,47	3,09	3,97		12,00 (3,40 - 14,20)	3,95 A	14,30
7 + 7 + 9 + 15	1,90	1,90	2,38	3,82		10,00 (2,90 - 10,60)	2,92 C	15,80	2,29	2,29	2,85	4,57		12,00 (3,40 - 14,20)	3,96 A	14,20
7 + 7 + 9 + 18	1,74	1,74	2,17	4,35		10,00 (2,90 - 10,60)	3,02 B	15,30	2,09	2,09	2,60	5,22		12,00 (3,40 - 14,20)	4,00 A	14,10
7 + 7 + 9 + 24	1,48	1,48	1,85	5,19		10,00 (2,90 - 10,80)	3,02 B	15,30	1,78	1,78	2,22	6,22		12,00 (3,40 - 14,40)	4,01 A	14,10
7 + 7 + 12 + 12	1,92	1,92	3,08	3,08		10,00 (2,90 - 10,60)	2,99 C	15,40	2,31	2,31	3,69	3,69		12,00 (3,40 - 14,20)	3,99 A	14,10
7 + 7 + 12 + 15	1,79	1,79	2,85	3,57		10,00 (2,90 - 10,60)	2,99 C	15,40	2,14	2,14	3,43	4,29		12,00 (3,40 - 14,20)	4,00 A	14,10
7 + 7 + 12 + 18	1,64	1,64	2,62	4,10		10,00 (2,90 - 10,80)	3,02 B	15,30	1,97	1,97	3,14	4,92		12,00 (3,40 - 14,20)	4,04 A	14,00

Free Multi 5x1 combinations table

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 17,5 kW

Indoor unit capacity	Cooling capacity (kW) Rooms						EER	Power input rating	Heating capacity (kW) Rooms						COP	Power input rating
	A	B	C	D	E	Total (Min - Max)	W/W	A	A	B	C	D	E	Total (Min - Max)	W/W	A
7 + 7 + 12 + 24	1,41	1,41	2,25	4,93		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,69	1,69	2,70	5,92		12,00 (3,40 - 14,40)	4,05 **A**	13,90
7 + 7 + 15 + 15	1,67	1,67	3,33	3,33		10,00 (2,90 - 10,60)	2,99 **C**	15,40	2,00	2,00	4,00	4,00		12,00 (3,40 - 14,20)	4,01 **A**	14,10
7 + 7 + 15 + 18	1,54	1,54	3,07	3,85		10,00 (2,90 - 10,80)	3,02 **B**	15,30	1,85	1,85	3,68	4,62		12,00 (3,40 - 14,40)	4,05 **A**	13,90
7 + 7 + 15 + 24	1,33	1,33	2,67	4,67		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,60	1,60	3,20	5,60		12,00 (3,40 - 14,40)	4,07 **A**	13,90
7 + 7 + 18 + 18	1,43	1,43	3,57	3,57		10,00 (2,90 - 10,80)	3,04 **B**	15,20	1,71	1,71	4,29	4,29		12,00 (3,40 - 14,40)	4,00 **A**	14,10
7 + 7 + 18 + 24	1,25	1,25	3,12	4,38		10,00 (2,90 - 11,20)	3,04 **B**	15,20	1,50	1,50	3,75	5,25		12,00 (3,40 - 14,40)	4,00 **A**	14,10
7 + 9 + 9 + 9	2,00	2,50	2,50	2,50		9,50 (2,90 - 10,60)	3,00 **C**	14,60	2,52	3,16	3,16	3,16		12,00 (3,40 - 14,20)	3,91 **A**	14,40
7 + 9 + 9 + 28	2,00	2,50	2,50	2,80		9,80 (2,90 - 10,60)	2,99 **C**	15,10	2,45	3,06	3,06	3,43		12,00 (3,40 - 14,20)	3,93 **A**	14,30
7 + 9 + 9 + 12	1,96	2,45	2,45	3,14		10,00 (2,90 - 10,60)	2,92 **C**	15,80	2,35	2,94	2,94	3,77		12,00 (3,40 - 14,20)	3,95 **A**	14,30
7 + 9 + 9 + 15	1,82	2,27	2,27	3,64		10,00 (2,90 - 10,60)	2,92 **C**	15,80	2,18	2,73	2,73	4,36		12,00 (3,40 - 14,20)	3,96 **A**	14,20
7 + 9 + 9 + 18	1,67	2,08	2,08	4,17		10,00 (2,90 - 10,60)	3,02 **B**	15,30	2,00	2,50	2,50	5,00		12,00 (3,40 - 14,20)	4,00 **A**	14,10
7 + 9 + 9 + 24	1,42	1,79	1,79	5,00		10,00 (2,90 - 10,80)	3,02 **B**	15,30	1,71	2,14	2,14	6,01		12,00 (3,40 - 14,40)	4,01 **A**	14,10
7 + 9 + 12 + 12	1,83	2,29	2,94	2,94		10,00 (2,90 - 10,60)	2,99 **C**	15,40	2,20	2,76	3,52	3,52		12,00 (3,40 - 14,20)	3,99 **A**	14,10
7 + 9 + 12 + 15	1,70	2,14	2,74	3,42		10,00 (2,90 - 10,60)	2,99 **C**	15,40	2,05	2,56	3,28	4,11		12,00 (3,40 - 14,20)	4,00 **A**	14,10
7 + 9 + 12 + 18	1,57	1,97	2,52	3,94		10,00 (2,90 - 10,80)	3,02 **B**	15,30	1,89	2,36	3,02	4,73		12,00 (3,40 - 14,20)	4,04 **A**	14,00
7 + 9 + 12 + 24	1,36	1,70	2,18	4,76		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,63	2,04	2,61	5,72		12,00 (3,40 - 14,40)	4,05 **A**	13,90
7 + 9 + 15 + 15	1,60	2,00	3,20	3,20		10,00 (2,90 - 10,80)	2,99 **C**	15,40	1,92	2,40	3,84	3,84		12,00 (3,40 - 14,20)	4,01 **A**	14,10
7 + 9 + 15 + 18	1,48	1,85	2,96	3,71		10,00 (2,90 - 10,80)	3,02 **B**	15,30	1,78	2,22	3,56	4,44		12,00 (3,40 - 14,40)	4,05 **A**	13,90
7 + 9 + 15 + 24	1,29	1,61	2,58	4,52		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,54	1,94	3,10	5,42		12,00 (3,40 - 14,40)	4,07 **A**	13,90
7 + 9 + 18 + 18	1,38	1,72	3,45	3,45		10,00 (2,90 - 11,00)	3,04 **B**	15,20	1,65	2,07	4,14	4,14		12,00 (3,40 - 14,40)	4,00 **A**	14,10
7 + 9 + 18 + 24	1,21	1,52	3,03	4,24		10,00 (2,90 - 11,20)	3,04 **B**	15,20	1,45	1,82	3,64	5,09		12,00 (3,40 - 14,40)	4,00 **A**	14,10
7 + 12 + 12 + 12	1,72	2,76	2,76	2,76		10,00 (2,90 - 10,60)	2,99 **C**	15,40	2,07	3,31	3,31	3,31		12,00 (3,40 - 14,20)	4,03 **A**	14,00
7 + 12 + 12 + 15	1,61	2,58	2,58	3,23		10,00 (2,90 - 10,80)	2,99 **C**	15,40	1,93	3,10	3,10	3,87		12,00 (3,40 - 14,20)	3,96 **A**	14,20
7 + 12 + 12 + 18	1,49	2,39	2,39	3,73		10,00 (2,90 - 10,80)	3,08 **B**	15,00	1,78	2,87	2,87	4,48		12,00 (3,40 - 14,40)	4,07 **A**	13,90
7 + 12 + 12 + 24	1,29	2,08	2,08	4,55		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,56	2,49	2,49	5,46		12,00 (3,40 - 14,40)	4,01 **A**	14,10
7 + 12 + 15 + 15	1,52	2,42	3,03	3,03		10,00 (2,90 - 10,80)	2,99 **C**	15,40	1,81	2,91	3,64	3,64		12,00 (3,40 - 14,40)	3,97 **A**	14,20
7 + 12 + 15 + 18	1,41	2,25	2,82	3,52		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,69	2,70	3,38	4,23		12,00 (3,40 - 14,40)	4,01 **A**	14,10
7 + 12 + 15 + 24	1,23	1,98	2,47	4,32		10,00 (2,90 - 11,20)	3,08 **B**	15,00	1,48	2,37	2,96	5,19		12,00 (3,40 - 14,40)	4,03 **A**	14,00
7 + 12 + 18 + 18	1,31	2,11	3,29	3,29		10,00 (2,90 - 11,00)	3,04 **B**	15,20	1,57	2,53	3,95	3,95		12,00 (3,40 - 14,40)	4,01 **A**	14,10
7 + 12 + 18 + 24	1,16	1,86	2,91	4,07		10,00 (2,90 - 11,20)	3,03 **B**	15,20	1,40	2,23	3,49	4,88		12,00 (3,40 - 14,40)	4,03 **A**	14,00
7 + 15 + 15 + 15	1,42	2,86	2,86	2,86		10,00 (2,90 - 10,80)	3,05 **B**	15,10	1,71	3,43	3,43	3,43		12,00 (3,40 - 14,40)	3,99 **A**	14,10
7 + 15 + 15 + 18	1,33	2,67	2,67	3,33		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,60	3,20	3,20	4,00		12,00 (3,40 - 14,40)	4,03 **A**	14,00
7 + 15 + 15 + 24	1,18	2,35	2,35	4,12		10,00 (2,90 - 11,20)	3,08 **B**	15,00	1,41	2,82	2,82	4,95		12,00 (3,40 - 14,40)	4,04 **A**	14,00
7 + 15 + 18 + 18	1,24	2,50	3,13	3,13		10,00 (2,90 - 11,20)	3,04 **B**	15,20	1,50	3,00	3,75	3,75		12,00 (3,40 - 14,40)	4,03 **A**	14,00
7 + 18 + 18 + 18	1,18	2,94	2,94	2,94		10,00 (2,90 - 11,20)	2,99 **C**	15,40	1,41	3,53	3,53	3,53		12,00 (3,40 - 14,40)	3,88 **A**	14,50
9 + 9 + 9 + 9	2,50	2,50	2,50	2,50		10,00 (2,90 - 10,60)	2,86 **C**	16,10	3,00	3,00	3,00	3,00		12,00 (3,40 - 14,20)	3,91 **A**	14,40
9 + 9 + 9 + 12	2,34	2,34	2,34	2,98		10,00 (2,90 - 10,60)	2,92 **C**	15,80	2,80	2,80	2,80	3,60		12,00 (3,40 - 14,20)	3,95 **A**	14,30
9 + 9 + 9 + 15	2,17	2,17	2,17	3,49		10,00 (2,90 - 10,60)	2,92 **C**	15,80	2,61	2,61	2,61	4,17		12,00 (3,40 - 14,20)	3,96 **A**	14,20
9 + 9 + 9 + 18	2,00	2,00	2,00	4,00		10,00 (2,90 - 10,80)	3,02 **B**	15,30	2,40	2,40	2,40	4,80		12,00 (3,40 - 14,20)	4,00 **A**	14,10
9 + 9 + 9 + 24	1,72	1,72	1,72	4,84		10,00 (2,90 - 11,00)	3,02 **B**	15,30	2,07	2,07	2,07	5,79		12,00 (3,40 - 14,40)	4,01 **A**	14,10
9 + 9 + 12 + 12	2,19	2,19	2,81	2,81		10,00 (2,90 - 10,60)	2,99 **C**	15,40	2,63	2,63	3,37	3,37		12,00 (3,40 - 14,20)	3,99 **A**	14,10
9 + 9 + 12 + 15	2,05	2,05	2,62	3,28		10,00 (2,90 - 10,80)	2,99 **C**	15,40	2,46	2,46	3,15	3,93		12,00 (3,40 - 14,20)	4,00 **A**	14,10
9 + 9 + 12 + 18	1,89	1,89	2,42	3,80		10,00 (2,90 - 10,80)	3,02 **B**	15,30	2,27	2,27	2,91	4,55		12,00 (3,40 - 14,40)	4,04 **A**	14,00
9 + 9 + 12 + 24	1,64	1,64	2,11	4,61		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,97	1,97	2,53	5,53		12,00 (3,40 - 14,40)	4,05 **A**	13,90
9 + 9 + 15 + 15	1,92	1,92	3,08	3,08		10,00 (2,90 - 10,80)	2,99 **C**	15,40	2,31	2,31	3,69	3,69		12,00 (3,40 - 14,40)	4,01 **A**	14,10
9 + 9 + 15 + 18	1,79	1,79	2,85	3,57		10,00 (2,90 - 10,80)	3,02 **B**	15,30	2,14	2,14	3,43	4,29		12,00 (3,40 - 14,40)	4,05 **A**	13,90
9 + 9 + 15 + 24	1,56	1,56	2,50	4,38		10,00 (2,90 - 11,20)	3,08 **B**	15,00	1,88	1,88	2,99	5,25		12,00 (3,40 - 14,40)	4,07 **A**	13,90
9 + 9 + 18 + 18	1,67	1,67	3,33	3,33		10,00 (2,90 - 11,00)	3,04 **B**	15,20	2,00	2,00	4,00	4,00		12,00 (3,40 - 14,40)	4,00 **A**	14,10
9 + 9 + 18 + 24	1,47	1,47	2,94	4,12		10,00 (2,90 - 11,20)	3,04 **B**	15,20	1,76	1,76	3,53	4,95		12,00 (3,40 - 14,40)	4,00 **A**	14,10
9 + 12 + 12 + 12	2,08	2,64	2,64	2,64		10,00 (2,90 - 10,80)	2,99 **C**	15,40	2,49	3,17	3,17	3,17		12,00 (3,40 - 14,20)	4,03 **A**	14,00
9 + 12 + 12 + 15	1,94	2,48	2,48	3,10		10,00 (2,90 - 10,80)	2,99 **C**	15,40	2,32	2,98	2,98	3,72		12,00 (3,40 - 14,40)	3,96 **A**	14,20
9 + 12 + 12 + 18	1,80	2,30	2,30	3,60		10,00 (2,90 - 10,80)	3,08 **B**	15,00	2,16	2,76	2,76	4,32		12,00 (3,40 - 14,40)	4,07 **A**	13,90
9 + 12 + 12 + 24	1,57	2,01	2,01	4,41		10,00 (2,90 - 11,20)	3,08 **B**	15,00	1,88	2,42	2,42	5,28		12,00 (3,40 - 14,40)	4,01 **A**	14,10
9 + 12 + 15 + 15	1,82	2,34	2,92	2,92		10,00 (2,90 - 10,80)	2,99 **C**	15,40	2,19	2,81	3,50	3,50		12,00 (3,40 - 14,40)	3,97 **A**	14,20
9 + 12 + 15 + 18	1,70	2,18	2,72	3,40		10,00 (2,90 - 11,00)	3,08 **B**	15,00	2,04	2,61	3,27	4,08		12,00 (3,40 - 14,40)	4,01 **A**	14,10
9 + 12 + 15 + 24	1,49	1,92	2,40	4,19		10,00 (2,90 - 11,20)	3,08 **B**	15,00	1,80	2,30	2,87	5,03		12,00 (3,40 - 14,40)	4,03 **A**	14,00
9 + 12 + 18 + 18	1,59	2,05	3,18	3,18		10,00 (2,90 - 11,00)	3,04 **B**	15,20	1,91	2,45	3,82	3,82		12,00 (3,40 - 14,40)	4,01 **A**	14,10
9 + 15 + 15 + 15	1,72	2,76	2,76	2,76		10,00 (2,90 - 11,00)	3,05 **B**	15,10	2,07	3,31	3,31	3,31		12,00 (3,40 - 14,40)	3,99 **A**	14,10
9 + 15 + 15 + 18	1,61	2,58	2,58	3,23		10,00 (2,90 - 11,00)	3,08 **B**	15,00	1,93	3,10	3,10	3,87		12,00 (3,40 - 14,40)	4,03 **A**	14,00
9 + 15 + 15 + 24	1,42	2,29	2,29	4,00		10,00 (2,90 - 11,20)	3,08 **B**	15,00	1,71	2,74	2,74	4,81		12,00 (3,40 - 14,40)	4,04 **A**	14,00
9 + 15 + 18 + 18	1,52	2,42	3,03	3,03		10,00 (2,90 - 11,20)	3,04 **B**	15,20	1,81	2,91	3,64	3,64		12,00 (3,40 - 14,40)	4,03 **A**	14,00
9 + 15 + 18 + 60	1,42	2,29	2,86	3,43		10,00 (2,90 - 11,20)	3,21 **A**	14,40	1,71	2,74	3,43	4,12		12,00 (3,40 - 14,40)	4,10 **A**	13,80
9 + 18 + 18 + 18	1,42	2,86	2,86	2,86		10,00 (2,90 - 11,20)	2,99 **C**	15,40	1,71	3,43	3,43	3,43		12,00 (3,40 - 14,40)	3,88 **A**	14,50
12 + 12 + 12 + 12	2,50	2,50	2,50	2,50		10,00 (2,90 - 10,80)	3,05 **B**	15,10	3,00	3,00	3,00	3,00		12,00 (3,40 - 14,40)	3,99 **A**	14,10
12 + 12 + 12 + 15	2,35	2,35	2,35	2,95		10,00 (2,90 - 10,80)	3,05 **B**	15,10	2,82	2,82	2,82	3,54		12,00 (3,40 - 14,40)	4,00 **A**	14,10
12 + 12 + 12 + 18	2,19	2,19	2,19	3,43		10,00 (2,90 - 11,00)	3,08 **B**	15,00	2,63	2,63	2,63	4,11		12,00 (3,40 - 14,40)	4,03 **A**	14,00
12 + 12 + 12 + 24	1,93	1,93	1,93	4,21		10,00 (2,90 - 11,20)	3,08 **B**	15,00	2,31	2,31	2,31	5,07		12,00 (3,40 - 14,40)	4,04 **A**	14,00
12 + 12 + 15 + 15	2,22	2,22	2,78	2,78		10,00 (2,90 - 11,00)	3,05 **B**	15,10	2,67	2,67	3,33	3,33		12,00 (3,40 - 14,40)	4,01 **A**	14,10
12 + 12 + 15 + 18	2,08	2,08	2,59	3,25		10,00 (2,90 - 11,00)	3,08 **B**	15,00	2,49	2,49	3,12	3,90		12,00 (3,40 - 14,40)	4,04 **A**	14,00
12 + 12 + 15 + 24	1,84	1,84	2,30	4,02		10,00 (2,90 - 11,20)	3,08 **B**	15,00	2,21	2,21	2,75	4,83		12,00 (3,40 - 14,40)	4,05 **A**	13,90
12 + 12 + 18 + 18	1,95	1,95	3,05	3,05		10,00 (2,90 - 11,20)	3,04 **B**	15,20	2,34	2,34	3,66	3,66		12,00 (3,40 - 14,40)	3,97 **A**	14,20
12 + 15 + 15 + 15	2,11	2,63	2,63	2,63		10,00 (2,90 - 11,00)	3,05 **B**	15,10	2,52	3,16	3,16	3,16		12,00 (3,40 - 14,40)	4,03 **A**	14,00
12 + 15 + 15 + 18	1,97	2,47	2,47	3,09		10,00 (2,90 - 11,20)	3,08 **B**	15,00	2,37	2,96	2,96	3,71		12,00 (3,40 - 14,40)	4,05 **A**	13,90
12 + 15 + 18 + 18	1,85	2,33	2,91	2,91		10,00 (2,90 - 11,20)	3,03 **B**	15,20	2,23	2,79	3,49	3,49		12,00 (3,40 - 14,40)	3,99 **A**	14,10
15 + 15 + 15 + 15	2,50	2,50	2,50	2,50		10,00 (2,90 - 11,20)	3,05 **B**	15,10	3,00	3,00	3,00	3,00		12,00 (3,40 - 14,40)	4,04 **A**	14,00
15 + 15 + 15 + 18	2,35	2,35	2,35	2,95		10,00 (2,90 - 11,20)	3,08 **B**	15,00	2,82	2,82	2,82	3,54		12,00 (3,40 - 14,40)	4,07 **A**	13,90
5 Rooms																
5 + 5 + 5 + 5 + 5	1,60	1,60	1,60	1,60	1,60	8,00 (2,90 - 11,50)	3,31 **A**	11,20	2,34	2,34	2,34	2,34	2,34	11,70 (3,40 - 14,50)	3,77 **A**	14,60
5 + 5 + 5 + 5 + 7	1,60	1,60	1,60	1,60	2,00	8,40 (2,90 - 11,50)	3,29 **A**	11,80	2,29	2,29	2,29	2,29	2,84	12,00 (3,40 - 14,50)	3,82 **A**	14,80
5 + 5 + 5 + 5 + 9	1,60	1,60	1,60	1,60	2,50	8,90 (2,90 - 11,50)	3,27 **A**	12,50	2,16	2,16	2,16	2,16	3,36	12,00 (3,40 - 14,50)	3,82 **A**	14,80
5 + 5 + 5 + 5 + 12	1,60	1,60	1,60	1,60	3,20	9,60 (2,90 - 11,50)	3,20 **B**	13,80	2,00	2,00	2,00	2,00	4,00	12,00 (3,40 - 14,50)	3,79 **A**	14,90
5 + 5 + 5 + 5 + 15	1,54	1,54	1,54	1,54	3,84	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,85	1,85	1,85	1,85	4,60	12,00 (3,40 - 14,50)	3,80 **A**	14,80
5 + 5 + 5 + 5 + 18	1,40	1,40	1,40	1,40	4,40	10,00 (2,90 - 11,50)	3,06 **B**	15,10	1,68	1,68	1,68	1,68	5,28	12,00 (3,40 - 14,50)	3,74 **A**	15,10
5 + 5 + 5 + 5 + 24	1,19	1,19	1,19	1,19	5,24	10,00 (2,90 - 11,50)	3,06 **B**	15,10	1,43	1,43	1,43	1,43	6,28	12,00 (3,40 - 14,50)	3,75 **A**	15,00
5 + 5 + 5 + 7 + 7	1,60	1,60	1,60	2,00	2,00	8,80 (2,90 - 11,50)	3,24 **A**	12,50	2,18	2,18	2,18	2,73	2,73	12,00 (3,40 - 14,50)	3,88 **A**	14,50
5 + 5 + 5 + 7 + 9	1,60	1,60	1,60	2,00	2,50	9,30 (2,90 - 11,50)	3,22 **A**	13,30	2,06	2,06	2,06	2,58	3,24	12,00 (3,40 - 14,50)	3,88 **A**	14,50
5 + 5 + 5 + 7 + 12	1,60	1,60	1,60	2,00	3,20	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,92	1,92	1,92	2,40	3,84	12,00 (3,40 - 14,50)	3,86 **A**	14,60
5 + 5 + 5 + 7 + 15	1,48	1,48	1,48	1,85	3,71	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,78	1,78	1,78	2,22	4,44	12,00 (3,40 - 14,50)	3,86 **A**	14,60
5 + 5 + 5 + 7 + 18	1,36	1,36	1,36	1,68	4,24	10,00 (2,90 - 11,50)	3,06 **B**	15,10	1,63	1,63	1,63	2,03	5,08	12,00 (3,40 - 14,50)	3,80 **A**	14,80
5 + 5 + 5 + 7 + 24	1,16	1,16	1,16	1,45	5,07	10,00 (2,90 - 11,50)	3,05 **B**	15,10	1,39	1,39	1,39	1,74	6,09	12,00 (3,40 - 14,50)	3,81 **A**	14,80
5 + 5 + 5 + 9 + 9	1,60	1,60	1,60	2,50	2,50	9,80 (2,90 - 11,50)	3,12 **B**	14,50	1,96	1,96	1,96	3,06	3,06	12,00 (3,40 - 14,50)	3,88 **A**	14,50
5 + 5 + 5 + 9 + 12	1,52	1,52	1,52	2,38	3,06	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,83	1,83	1,83	2,85	3,66	12,00 (3,40 - 14,50)	3,86 **A**	14,60
5 + 5 + 5 + 9 + 15	1,42	1,42	1,42	2,20	3,54	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,70	1,70	1,70	2,65	4,25	12,00 (3,40 - 14,50)	3,86 **A**	14,60

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 17,5 kW

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

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 17,5 kW

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

Free Multi 5x1 CU-5E34PBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 17,5 kW

Indoor unit capacity	Cooling capacity (kW) Rooms						EER	Power input rating	Heating capacity (kW) Rooms						COP	Power input rating
	A	B	C	D	E	Total (Min - Max)	W/W	A	A	B	C	D	E	Total (Min - Max)	W/W	A
7 + 12 + 12 + 15 + 15	1,22	1,95	1,95	2,44	2,44	10,00 (2,90 - 11,50)	3,16 **B**	14,60	1,46	2,34	2,34	2,93	2,93	12,00 (3,40 - 14,50)	4,04 **A**	14,00
7 + 12 + 12 + 15 + 18	1,15	1,84	1,84	2,30	2,87	10,00 (2,90 - 11,50)	3,11 **B**	14,80	1,37	2,21	2,21	2,76	3,45	12,00 (3,40 - 14,50)	3,95 **A**	14,30
7 + 12 + 15 + 15 + 15	1,15	1,86	2,33	2,33	2,33	10,00 (2,90 - 11,50)	3,16 **B**	14,60	1,40	2,23	2,79	2,79	2,79	12,00 (3,40 - 14,50)	4,05 **A**	13,90
9 + 9 + 9 + 9 + 9	2,00	2,00	2,00	2,00	2,00	10,00 (2,90 - 11,50)	3,12 **B**	14,80	2,40	2,40	2,40	2,40	2,40	12,00 (3,40 - 14,50)	4,05 **A**	13,90
9 + 9 + 9 + 9 + 12	1,89	1,89	1,89	1,89	2,44	10,00 (2,90 - 11,50)	3,17 **B**	14,50	2,27	2,27	2,27	2,27	2,92	12,00 (3,40 - 14,50)	4,08 **A**	13,80
9 + 9 + 9 + 9 + 15	1,79	1,79	1,79	1,79	2,84	10,00 (2,90 - 11,50)	3,17 **B**	14,50	2,14	2,14	2,14	2,14	3,44	12,00 (3,40 - 14,50)	4,10 **A**	13,80
9 + 9 + 9 + 9 + 18	1,67	1,67	1,67	1,67	3,32	10,00 (2,90 - 11,50)	3,06 **B**	15,10	2,00	2,00	2,00	2,00	4,00	12,00 (3,40 - 14,50)	4,01 **A**	14,10
9 + 9 + 9 + 9 + 24	1,47	1,47	1,47	1,47	4,12	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,76	1,76	1,76	1,76	4,96	12,00 (3,40 - 14,50)	3,96 **A**	14,20
9 + 9 + 9 + 12 + 12	1,80	1,80	1,80	2,30	2,30	10,00 (2,90 - 11,50)	3,17 **B**	14,50	2,16	2,16	2,16	2,76	2,76	12,00 (3,40 - 14,50)	4,04 **A**	14,00
9 + 9 + 9 + 12 + 15	1,70	1,70	1,70	2,18	2,72	10,00 (2,90 - 11,50)	3,17 **B**	14,50	2,04	2,04	2,04	2,61	3,27	12,00 (3,40 - 14,50)	4,05 **A**	13,90
9 + 9 + 9 + 12 + 18	1,59	1,59	1,59	2,04	3,19	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,91	1,91	1,91	2,45	3,82	12,00 (3,40 - 14,50)	3,97 **A**	14,20
9 + 9 + 9 + 15 + 15	1,62	1,62	1,62	2,57	2,57	10,00 (2,90 - 11,50)	3,17 **B**	14,50	1,94	1,94	1,94	3,09	3,09	12,00 (3,40 - 14,50)	4,05 **A**	13,90
9 + 9 + 9 + 15 + 18	1,52	1,52	1,52	2,41	3,03	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,82	1,82	1,82	2,90	3,64	12,00 (3,40 - 14,50)	3,97 **A**	14,20
9 + 9 + 9 + 18 + 18	1,42	1,42	1,42	2,87	2,87	10,00 (2,90 - 11,50)	2,99 **C**	15,40	1,72	1,72	1,72	3,42	3,42	12,00 (3,40 - 14,50)	3,82 **A**	14,80
9 + 9 + 12 + 12 + 12	1,70	1,70	2,20	2,20	2,20	10,00 (2,90 - 11,50)	3,17 **B**	14,50	2,04	2,04	2,64	2,64	2,64	12,00 (3,40 - 14,50)	4,07 **A**	13,90
9 + 9 + 12 + 12 + 15	1,62	1,62	2,08	2,08	2,60	10,00 (2,90 - 11,50)	3,17 **B**	14,50	1,95	1,95	2,49	2,49	3,12	12,00 (3,40 - 14,50)	4,07 **A**	13,90
9 + 9 + 12 + 12 + 18	1,52	1,52	1,95	1,95	3,06	10,00 (2,90 - 11,50)	3,12 **B**	14,80	1,83	1,83	2,34	2,34	3,66	12,00 (3,40 - 14,50)	3,92 **A**	14,40
9 + 9 + 12 + 15 + 15	1,54	1,54	1,98	2,47	2,47	10,00 (2,90 - 11,50)	3,17 **B**	14,50	1,85	1,85	2,38	2,96	2,96	12,00 (3,40 - 14,50)	4,08 **A**	13,80
9 + 9 + 12 + 15 + 18	1,45	1,45	1,86	2,33	2,91	10,00 (2,90 - 11,50)	3,11 **B**	14,80	1,74	1,74	2,23	2,79	3,50	12,00 (3,40 - 14,50)	3,93 **A**	14,30
9 + 9 + 15 + 15 + 15	1,46	1,46	2,36	2,36	2,36	10,00 (2,90 - 11,50)	3,17 **B**	14,50	1,77	1,77	2,82	2,82	2,82	12,00 (3,40 - 14,50)	4,03 **A**	14,00
9 + 12 + 12 + 12 + 12	1,64	2,09	2,09	2,09	2,09	10,00 (2,90 - 11,50)	3,16 **B**	14,60	1,96	2,51	2,51	2,51	2,51	12,00 (3,40 - 14,50)	4,03 **A**	14,00
9 + 12 + 12 + 12 + 15	1,55	1,99	1,99	1,99	2,48	10,00 (2,90 - 11,50)	3,16 **B**	14,60	1,85	2,39	2,39	2,39	2,98	12,00 (3,40 - 14,50)	4,03 **A**	14,00
9 + 12 + 12 + 12 + 18	1,46	1,87	1,87	1,87	2,93	10,00 (2,90 - 11,50)	3,11 **B**	14,80	1,74	2,25	2,25	2,25	3,51	12,00 (3,40 - 14,50)	3,95 **A**	14,30
9 + 12 + 12 + 15 + 15	1,48	1,89	1,89	2,37	2,37	10,00 (2,90 - 11,50)	3,16 **B**	14,60	1,78	2,27	2,27	2,84	2,84	12,00 (3,40 - 14,50)	4,04 **A**	14,00
12 + 12 + 12 + 12 + 12	2,00	2,00	2,00	2,00	2,00	10,00 (2,90 - 11,50)	3,16 **B**	14,60	2,40	2,40	2,40	2,40	2,40	12,00 (3,40 - 14,50)	4,04 **A**	14,00
12 + 12 + 12 + 12 + 15	1,90	1,90	1,90	1,90	2,40	10,00 (2,90 - 11,50)	3,16 **B**	14,60	2,29	2,29	2,29	2,29	2,84	12,00 (3,40 - 14,50)	4,05 **A**	13,90

* All combinations refer to wall mounted indoor units.
* EER, COP, SEER, SCOP, Power input, Annual consumption is show following the ErP directive only on the 100 % capacity combination as requested by the ErP directive.
* Data for not simultaneous operation.

Free Multi RE combinations table

Free Multi RE 2x1 CU-2RE15SBE. Minimum capacity connected: 4,0 kW. Maximum capacity connected: 5,7 kW • R410A GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W	W	kWh	230 V	A	B	Total (Min - Max)	W/W	W	kWh	230 V
1 Room														
20	2,00		2,00 (1,10 - 2,50)	3,64 **A**	550 (230 - 690)	275	2,60	3,20		3,20 (0,70 - 4,30)	3,40 **B**	940 (190 - 1.350)	470	4,15
25	2,50		2,50 (1,10 - 3,10)	3,52 **A**	710 (230 - 950)	355	3,35	3,60		3,60 (0,70 - 5,00)	3,21 **C**	1.120 (190 - 1.660)	560	4,95
35	3,20		3,20 (1,10 - 3,70)	3,27 **A**	980 (230 - 1.210)	490	4,60	4,50		4,50 (0,70 - 5,70)	3,24 **C**	1.390 (190 - 1.780)	695	6,15
2 Rooms														
20 + 20	2,00	2,00	4,00 (1,50 - 4,60)	3,42 **A**	1.170 (270 - 1.340)	585	5,45	2,40	2,40	4,80 (1,10 - 6,30)	4,00 **A**	1.200 (240 - 1.610)	600	5,35
20 + 25	1,95	2,45	4,40 (1,50 - 4,80)	3,38 **A**	1.300 (270 - 1.520)	650	6,10	2,15	2,65	4,80 (1,10 - 6,50)	4,00 **A**	1.200 (240 - 1.670)	600	5,35
				6,50 A++ (4,40)[1]							4,00 A+ (3,60)[1]			
20 + 35	1,70	2,70	4,40 (1,50 - 4,80)	3,38 **A**	1.300 (270 - 1.520)	650	6,10	1,85	2,95	4,80 (1,10 - 6,50)	4,00 **A**	1.200 (240 - 1.670)	600	5,35
25 + 25	2,20	2,20	4,40 (1,50 - 4,80)	3,38 **A**	1.300 (270 - 1.520)	650	6,10	2,40	2,40	4,80 (1,10 - 6,50)	4,00 **A**	1.200 (240 - 1.670)	600	5,35
25 + 35	1,95	2,45	4,40 (1,50 - 4,80)	3,38 **A**	1.300 (270 - 1.520)	650	6,10	2,15	2,65	4,80 (1,10 - 6,50)	4,00 **A**	1.200 (240 - 1.670)	600	5,35

Free Multi RE 2x1 CU-2RE18SBE. Minimum capacity connected: 4,0 kW. Maximum capacity connected: 7,5 kW • R410A GAS

Indoor unit capacity	Cooling capacity (kW). Rooms			EER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms			COP	Input power rating	A.E.C.	Current
	A	B	Total (Min - Max)	W/W	W	kWh	230 V	A	B	Total (Min - Max)	W/W	W	kWh	230 V
1 Room														
20	2,00		2,00 (1,10 - 2,50)	3,64 **A**	550 (230 - 690)	275	2,60	3,20		3,20 (0,70 - 4,30)	3,40 **B**	940 (190 - 1.350)	470	4,15
25	2,50		2,50 (1,10 - 3,10)	3,52 **A**	710 (230 - 950)	355	3,35	3,60		3,60 (0,70 - 5,00)	3,21 **C**	1.120 (190 - 1.660)	560	4,95
12	3,20		3,20 (1,10 - 3,70)	3,27 **A**	980 (230 - 1.210)	490	4,60	4,50		4,50 (0,70 - 5,70)	3,24 **C**	1.390 (190 - 1.780)	695	6,15
42	4,00		4,00 (1,10 - 4,20)	3,10 **B**	1.290 (230 - 1.420)	645	6,05	5,00		5,00 (1,10 - 6,40)	3,03 **D**	1.650 (240 - 2.180)	825	7,30
50	5,00		5,00 (1,20 - 5,10)	2,94 **C**	1.700 (240 - 1.820)	850	7,95	5,30		5,30 (1,10 - 6,80)	3,01 **D**	1.760 (240 - 2.290)	880	7,80
2 Rooms														
20 + 20	2,00	2,00	4,00 (1,50 - 4,60)	3,45 **A**	1.160 (270 - 1.340)	580	5,45	2,60	2,60	5,20 (1,10 - 6,30)	4,00 **A**	1.300 (240 - 1.610)	650	5,80
20 + 25	2,00	2,50	4,50 (1,50 - 4,80)	3,44 **A**	1.310 (270 - 1.510)	655	6,10	2,30	2,90	5,20 (1,10 - 6,30)	4,00 **A**	1.300 (240 - 1.610)	650	5,80
20 + 12	1,85	2,95	4,80 (1,50 - 4,90)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	2,00	3,20	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
20 + 42	1,60	3,20	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	1,75	3,45	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
20 + 50	1,35	3,45	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	1,50	3,70	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
25 + 25	2,40	2,40	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	2,60	2,60	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
				6,50 A++ (4,80)[1]							4,00 A+ (3,80)[1]			
25 + 12	2,10	2,70	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	2,30	2,90	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
25 + 42	1,85	2,95	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	2,00	3,20	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
25 + 50	1,60	3,20	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	1,75	3,45	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
12 + 12	2,40	2,40	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	2,60	2,60	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75
12 + 42	2,15	2,65	4,80 (1,50 - 5,00)	3,22 **A**	1.490 (270 - 1.580)	745	6,95	2,30	2,90	5,20 (1,10 - 6,70)	4,00 **A**	1.300 (240 - 1.700)	650	5,75

Free Multi RE 3x1 CU-3RE18SBE. Minimum capacity connected: 4,5 kW. Maximum capacity connected: 9,0 kW • R410A GAS

Indoor unit capacity	Cooling capacity (kW). Rooms				EER	Input power rating	A.E.C.	Current	Heating capacity (kW). Rooms				COP	Input power rating	A.E.C.	Current
	A	B	C	Total (Min - Max)	W/W	W	kWh	230 V	A	B	C	Total (Min - Max)	W/W	W	kWh	230 V
1 Room																
16	1,60			1,60 (1,30 - 2,30)	3,40 **A**	470 (250 - 710)	235	2,30	2,60			2,60 (1,20 - 3,20)	3,88 **A**	670 (300 - 1.030)	335	3,40
20	2,00			2,00 (1,80 - 2,90)	3,51 **A**	570 (340 - 880)	285	2,80	3,20			3,20 (1,20 - 4,10)	3,95 **A**	810 (300 - 1.300)	405	4,00
25	2,50			2,50 (1,80 - 2,90)	3,57 **A**	700 (340 - 880)	350	3,30	3,60			3,60 (1,20 - 4,30)	3,56 **B**	1.010 (300 - 1.300)	505	4,80
35	3,20			3,20 (1,80 - 3,80)	3,68 **A**	870 (340 - 1.430)	435	4,00	4,50			4,50 (1,20 - 5,80)	3,46 **B**	1.300 (300 - 2.170)	650	6,20
42	4,00			4,00 (1,80 - 4,30)	3,05 **B**	1.310 (340 - 2.060)	655	5,90	5,60			5,60 (1,20 - 6,80)	3,13 **D**	1.790 (300 - 3.000)	895	7,90
50	5,00			5,00 (1,90 - 5,70)	2,89 **C**	1.730 (340 - 2.310)	865	7,60	6,80			6,80 (1,20 - 6,90)	2,98 **D**	2.280 (300 - 2.700)	1140	10,00
2 Rooms																
16 + 16	1,60	1,60		3,20 (1,80 - 6,20)	4,05 **A**	790 (330 - 2.230)	395	3,60	2,60	2,60		5,20 (1,40 - 7,00)	3,77 **A**	1.380 (340 - 2.070)	690	6,40
16 + 20	1,60	2,00		3,60 (1,80 - 6,20)	3,83 **A**	940 (330 - 2.190)	470	4,20	2,49	3,11		5,60 (1,40 - 7,00)	3,73 **A**	1.500 (330 - 2.040)	750	6,90
16 + 25	1,60	2,50		4,10 (1,80 - 6,20)	3,73 **A**	1.100 (330 - 2.190)	550	4,90	2,42	3,78		6,20 (1,40 - 7,00)	3,69 **A**	1.680 (330 - 2.040)	840	7,80
16 + 35	1,60	3,20		4,80 (1,80 - 6,30)	3,36 **A**	1.430 (330 - 2.200)	715	6,30	2,13	4,27		6,40 (1,40 - 7,30)	3,76 **A**	1.700 (310 - 2.130)	850	7,80
16 + 42	1,49	3,71		5,20 (1,90 - 6,40)	3,21 **A**	1.620 (350 - 2.240)	810	7,10	1,94	4,86		6,80 (1,40 - 7,30)	3,74 **A**	1.820 (310 - 2.120)	910	8,30
16 + 50	1,26	3,94		5,20 (1,90 - 6,80)	3,40 **A**	1.530 (340 - 2.290)	765	6,70	1,65	5,15		6,80 (1,40 - 8,00)	3,80 **A**	1.790 (240 - 2.340)	895	8,20
20 + 20	2,00	2,00		4,00 (1,80 - 6,20)	3,74 **A**	1.070 (330 - 2.150)	535	4,70	2,90	2,90		5,80 (1,40 - 7,00)	3,82 **A**	1.520 (320 - 2.030)	760	7,00
20 + 25	2,00	2,50		4,50 (1,80 - 6,20)	3,52 **A**	1.280 (330 - 2.150)	640	5,60	2,84	3,56		6,40 (1,40 - 7,00)	3,68 **A**	1.740 (320 - 2.030)	870	8,00
20 + 35	2,00	3,20		5,20 (1,80 - 6,30)	3,21 **A**	1.620 (330 - 2.160)	810	7,10	2,62	4,18		6,80 (1,40 - 7,30)	3,74 **A**	1.820 (310 - 2.120)	910	8,30
20 + 42	1,73	3,47		5,20 (1,90 - 6,40)	3,29 **A**	1.580 (350 - 2.200)	790	6,90	2,27	4,53		6,80 (1,40 - 7,30)	3,74 **A**	1.820 (280 - 2.080)	910	8,30
20 + 50	1,49	3,71		5,20 (1,90 - 6,80)	3,40 **A**	1.530 (340 - 2.290)	765	6,70	1,94	4,86		6,80 (1,40 - 8,00)	3,82 **A**	1.780 (240 - 2.330)	890	8,10
25 + 25	2,50	2,50		5,00 (1,80 - 6,20)	3,25 **A**	1.540 (330 - 2.150)	770	6,80	3,40	3,40		6,80 (1,40 - 7,00)	3,64 **A**	1.870 (320 - 2.030)	935	8,50
25 + 35	2,28	2,92		5,20 (1,90 - 6,30)	3,21 **A**	1.620 (350 - 2.160)	810	7,10	2,98	3,82		6,80 (1,40 - 7,30)	3,74 **A**	1.820 (310 - 2.120)	910	8,30
25 + 42	2,00	3,20		5,20 (1,90 - 6,40)	3,29 **A**	1.580 (350 - 2.200)	790	6,90	2,62	4,18		6,80 (1,40 - 7,30)	3,74 **A**	1.820 (280 - 2.080)	910	8,30
25 + 50	1,73	3,47		5,20 (1,90 - 6,80)	3,40 **A**	1.530 (340 - 2.290)	765	6,70	2,27	4,53		6,80 (1,40 - 8,00)	3,82 **A**	1.780 (240 - 2.330)	890	8,10
35 + 35	2,60	2,60		5,20 (1,90 - 6,40)	3,38 **A**	1.540 (350 - 2.160)	770	6,80	3,40	3,40		6,80 (1,40 - 7,50)	3,76 **A**	1.810 (270 - 2.140)	905	8,30
35 + 42	2,31	2,89		5,20 (1,90 - 6,50)	3,38 **A**	1.540 (350 - 2.210)	770	6,80	3,02	3,78		6,80 (1,40 - 7,50)	3,78 **A**	1.800 (260 - 2.140)	900	8,20
35 + 50	2,03	3,17		5,20 (1,90 - 6,90)	3,49 **A**	1.490 (360 - 2.290)	745	6,50	2,65	4,15		6,80 (1,40 - 8,00)	3,86 **A**	1.760 (240 - 2.270)	880	8,00
42 + 42	2,60	2,60		5,20 (1,90 - 6,50)	3,38 **A**	1.540 (350 - 2.210)	770	6,80	3,40	3,40		6,80 (1,40 - 7,60)	3,86 **A**	1.760 (260 - 2.170)	880	8,00
42 + 50	2,31	2,89		5,20 (1,90 - 6,90)	3,49 **A**	1.490 (360 - 2.290)	745	6,50	3,02	3,78		6,80 (1,40 - 8,00)	3,89 **A**	1.750 (240 - 2.270)	875	8,00
3 Rooms																
16 + 16 + 16	1,60	1,60	1,60	4,80 (1,80 - 7,20)	3,81 **A**	1.260 (360 - 2.340)	630	5,50	2,26	2,26	2,26	6,78 (1,50 - 8,10)	4,06 **A**	1.670 (290 - 2.250)	835	7,70
16 + 16 + 20	1,60	1,60	2,00	5,20 (1,80 - 7,30)	3,69 **A**	1.410 (360 - 2.390)	705	6,20	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,10 **A**	1.660 (320 - 2.320)	830	7,70
					7,00 A++ (5,20)[1]								4,00 A+ (4,80)[1]			
16 + 16 + 25	1,46	1,46	2,28	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,91	1,91	2,98	6,80 (1,60 - 8,30)	4,10 **A**	1.660 (320 - 2.320)	830	7,70
16 + 16 + 35	1,30	1,30	2,60	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.250)	705	6,20	1,70	1,70	3,40	6,80 (1,60 - 8,30)	4,15 **A**	1.640 (310 - 2.250)	820	7,60
16 + 16 + 42	1,16	1,16	2,88	5,20 (1,80 - 7,30)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,51	1,51	3,78	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.250)	815	7,50
16 + 16 + 50	1,01	1,01	3,18	5,20 (1,80 - 7,30)	3,61 **A**	1.440 (420 - 2.230)	720	6,30	1,33	1,33	4,14	6,80 (1,60 - 8,30)	4,15 **A**	1.640 (360 - 2.220)	820	7,60
16 + 20 + 20	1,48	1,86	1,86	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,12 **A**	1.650 (310 - 2.270)	825	7,60
16 + 20 + 25	1,36	1,70	2,14	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,78	2,23	2,79	6,80 (1,60 - 8,30)	4,12 **A**	1.650 (310 - 2.270)	825	7,60
16 + 20 + 35	1,22	1,53	2,45	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.210)	705	6,20	1,60	2,00	3,20	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.250)	815	7,50
16 + 20 + 42	1,09	1,37	2,74	5,20 (1,80 - 7,30)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,43	1,79	3,58	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.240)	815	7,50
16 + 20 + 50	0,97	1,21	3,02	5,20 (1,80 - 7,30)	3,61 **A**	1.440 (420 - 2.180)	720	6,30	1,27	1,58	3,95	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (360 - 2.220)	815	7,50
16 + 25 + 25	1,26	1,97	1,97	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,64	2,58	2,58	6,80 (1,60 - 8,30)	4,12 **A**	1.650 (310 - 2.270)	825	7,60
16 + 25 + 35	1,14	1,78	2,28	5,20 (1,80 - 7,30)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,49	2,33	2,98	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.250)	815	7,50
16 + 25 + 42	1,03	1,60	2,57	5,20 (1,80 - 7,30)	3,69 **A**	1.410 (390 - 2.300)	705	6,20	1,34	2,10	3,36	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.240)	815	7,50
16 + 35 + 35	1,04	2,08	2,08	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.250)	685	6,00	1,36	2,72	2,72	6,80 (1,60 - 8,30)	4,22 **A**	1.610 (320 - 2.220)	805	7,40
16 + 35 + 42	0,95	1,89	2,36	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.250)	685	6,00	1,24	2,47	3,09	6,80 (1,60 - 8,30)	4,22 **A**	1.610 (320 - 2.210)	805	7,40
20 + 20 + 20	1,73	1,73	1,73	5,19 (1,90 - 7,20)	3,68 **A**	1.410 (390 - 2.250)	705	6,20	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,11 **A**	1.650 (310 - 2.260)	825	7,60
20 + 20 + 25	1,60	1,60	2,00	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.250)	705	6,20	2,09	2,09	2,62	6,80 (1,60 - 8,30)	4,12 **A**	1.650 (310 - 2.260)	825	7,60
20 + 20 + 35	1,44	1,44	2,32	5,20 (1,90 - 7,20)	3,80 **A**	1.370 (390 - 2.210)	685	6,00	1,89	1,89	3,02	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.240)	815	7,50
20 + 20 + 42	1,30	1,30	2,60	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.250)	685	6,00	1,70	1,70	3,40	6,80 (1,60 - 8,30)	4,20 **A**	1.620 (320 - 2.230)	810	7,50
20 + 20 + 50	1,16	1,16	2,88	5,20 (1,80 - 7,30)	3,61 **A**	1.440 (420 - 2.180)	720	6,30	1,51	1,51	3,78	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (360 - 2.210)	815	7,50
20 + 25 + 25	1,48	1,86	1,86	5,20 (1,90 - 7,20)	3,69 **A**	1.410 (390 - 2.250)	705	6,20	1,94	2,43	2,43	6,80 (1,60 - 8,30)	4,12 **A**	1.650 (310 - 2.260)	825	7,60
20 + 25 + 35	1,35	1,69	2,16	5,20 (1,90 - 7,20)	3,80 **A**	1.370 (390 - 2.210)	685	6,00	1,76	2,21	2,83	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.240)	815	7,50
20 + 25 + 42	1,22	1,53	2,45	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.250)	685	6,00	1,60	2,00	3,20	6,80 (1,60 - 8,30)	4,20 **A**	1.620 (320 - 2.230)	810	7,50
20 + 35 + 35	1,24	1,98	1,98	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.210)	685	6,00	1,62	2,59	2,59	6,80 (1,60 - 8,30)	4,22 **A**	1.610 (320 - 2.210)	805	7,40
25 + 25 + 25	1,73	1,73	1,73	5,19 (1,90 - 7,20)	3,68 **A**	1.410 (390 - 2.250)	705	6,20	2,26	2,26	2,26	6,78 (1,60 - 8,30)	4,11 **A**	1.650 (310 - 2.260)	825	7,60
25 + 25 + 35	1,59	1,59	2,02	5,20 (1,90 - 7,20)	3,80 **A**	1.370 (390 - 2.210)	685	6,00	2,07	2,07	2,66	6,80 (1,60 - 8,30)	4,17 **A**	1.630 (310 - 2.240)	815	7,50
25 + 25 + 42	1,44	1,44	2,32	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.250)	685	6,00	1,89	1,89	3,02	6,80 (1,60 - 8,30)	4,20 **A**	1.620 (320 - 2.230)	810	7,50
25 + 35 + 35	1,46	1,87	1,87	5,20 (1,80 - 7,30)	3,80 **A**	1.370 (390 - 2.210)	685	6,00	1,92	2,44	2,44	6,80 (1,60 - 8,30)	4,22 **A**	1.610 (320 - 2.210)	805	7,40

1) Showing SEER and Pdesign (kWh) / SCOP and Pdesign at -10°C (kWh): Using EN 14825. Other: A.E.C. using internal procedure (only for reference).
* EER, COP, SEER, SCOP, Input Power, Annual consumption is show following the ErP directive only on the 100 % capacity combination as requested by the ErP directive.
* Data for not simultaneous operation.

PANASONIC AC SMART CLOUD

Flexible solution and scalable solution

Energy saving, zero downtime and 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.

With Panasonic AC Smart Cloud, have your business under control, and start saving!

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 / ECO G

*Customized to meet user demand / Upgraded new functions / Upgraded by new products / IT smart management.

Key functions and uniqueness

Multi site monitoring.
- It doesn't matter how many sites you have, easy to manage, operate, compare per sites, locations, rooms.

Powerful statistics for energy savings.
- Power consumption, capacity, efficiency level can be compared per different parameters (Yearly / monthly / weekly/ daily bases)

Schedule setting.
- Weekly / holiday timer setting as you want
- One setting can be copied to other sites

Maintenance notification.
- Error notification by email and with floor layout
- Maintenance notification of ECOi / ECO G outdoor units

User customization.
Site administrator can create users as desired and assign customized profiles.

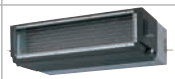
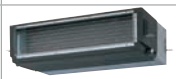
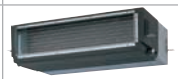
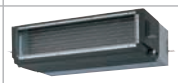
One of our uniqueness is "Stable and secured communication pack,age"

- 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

3G router | SIM card

RANGE OF COMMERCIAL UNITS

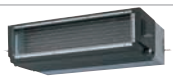
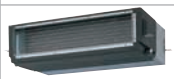
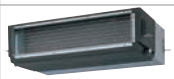
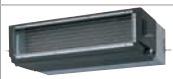
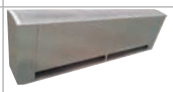
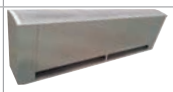
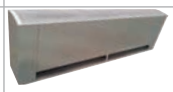
1x1	2,8 kW	3,2 kW	4,5 kW	5,0 kW	6,0 kW
Wall Mounted PKEA Professional Inverter -22 °C	 KIT-E9-PKEA	 KIT-E12-PKEA	 KIT-E15-PKEA	 KIT-E18-PKEA	
4 Way 60x60 Cassette Inverter	 CS-E9PB4EA	 CS-E12PB4EA		 CS-E18RB4EAW	 CS-E21RB4EAW
Low Static Pressure Hide Away Inverter	 CS-E9PD3EA	 CS-E12QD3EA		 CS-E18RD3EAW	

Indoor Units PACi Standard and Elite	3,6 kW[1]	4,5 kW[1]	5,0 kW	6,0 kW
New 4 Way 90x90 Cassette PACi Inverter+ NEW TECHNOLOGY '17	 S-36PU2E5A	 S-45PU2E5A	 S-50PU2E5A	 S-60PU2E5A
4 Way 60x60 Cassette PACi Inverter+	 S-36PY2E5A	 S-45PY2E5A	 S-50PY2E5A	
Ceiling PACi Inverter+	 S-36PT2E5A	 S-45PT2E5A	 S-50PT2E5A	 S-60PT2E5A
High Static Pressure Hide Away PACi Inverter+	 S-36PF1E5A	 S-45PF1E5A	 S-50PF1E5A	 S-60PF1E5A
Low Static Pressure Hide Away PACi Inverter+	 S-36PN1E5A	 S-45PN1E5A	 S-50PN1E5A	 S-60PN1E5A
Wall PACi Inverter+	 S-36PK1E5A	 S-45PK1E5A	 S-50PK1E5A	 S-60PK1E5A
High Static Pressure Hide Away 20,0 - 25,0 kW PACi Inverter+				
Air Curtain with DX Coil Jet-Flow // Standard				

Outdoor Units PACi Standard and Elite	3,6 kW		5,0 kW	6,0 kW
PACi Standard				 U-60PEY2E5[I]
PACi Elite	 U-36PE2E5A[I]		 U-50PE2E5A[I]	 U-60PE2E5A[I]

1) The Indoor units from 3,6 to 4,5 kW are only available only for Twin, Triple and Doble-Twin combinations. [I] Single Phase [III] Three Phase.

Air Handling Unit	28,0 kW
3 types of AHU Kit: Deluxe, Medium and Light. Up to 28 kW (Common use for all outdoor units. Only 1 by 1 connection is allowed.)	 PAW-280PAH2 // PAW-280PAH2M // PAW-280PAH2L

	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
	 S-71PU2E5A	 S-100PU2E5A	 S-125PU2E5A	 S-140PU2E5A		
	 S-71PT2E5A	 S-100PT2E5A	 S-125PT2E5A	 S-140PT2E5A		
	 S-71PF1E5A	 S-100PF1E5A	 S-125PF1E5A	 S-140PF1E5A		
	 S-71PN1E5A	 S-100PN1E5A	 S-125PN1E5A	 S-140PN1E5A		
	 S-71PK1E5A	 S-100PK1E5A (9,5 kW)				
					 S-200PE2E5	 S-250PE2E5
		 PAW-10PAIRC-MJ // PAW-10PAIRC-MS (9,2 kW)		 PAW-15PAIRC-MJ // PAW-20PAIRC-MS (17,5 kW)	 PAW-20PAIRC-MJ (23,1 kW)	

	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
	 U-71PEY2E5 I	 U-100PEY1E5 I // U-100PEY1E8 III	 U-125PEY1E5 I // U-125PEY1E8 III	 U-140PEY1E8 III		
	 U-71PE1E5A I // U-71PE1E8A III	 U-100PE1E5A I // U-100PE1E8A III	 U-125PE1E5A I // U-125PE1E8A III	 U-140PE1E5A I // U-140PE1E8A III	 U-200PE2E8A III	 U-250PE2E8A III

SOLUTIONS FOR SERVER ROOMS

High efficiency all the year

On 24/7/365 operation, the performance of the air conditioning is a key factor. When the efficiency is high, the return on investment of such units is quickly reached.

Complete line-up with high efficiency and total reliability even at -22 °C

These air conditioners are especially designed for professional applications such as computer rooms where cooling inside the room is necessary even when the outside temperature is low. Furthermore this air conditioner has an automatic changeover system, in order to maintain the inside temperature even when sharp outside temperature changes occur.

High durability for 24/7/365 operation

DC2P Panasonic original compressor, with high efficiency and reliability.
Why is the Panasonic R2 Rotary Compressor so efficient?

1. High Efficiency Motor The premium silicon steel motor meets industry efficiency requirements
2. Improved Lubrication of High Volume Oil Pump The extended, high volume oil pump in conjunction with a larger capacity oil reservoir provides superior lubrication
3. Accumulator has Larger Refrigerant Capacity The larger accumulator accommodates generous refrigerant amounts needed in longer line length installations

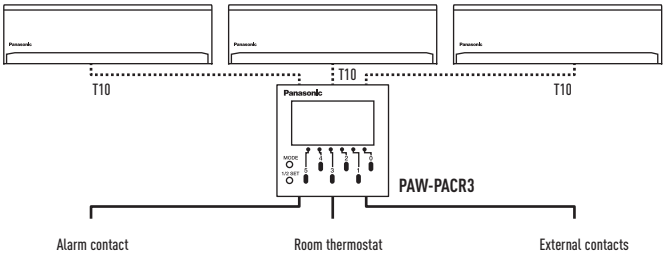
Interfaces to run 2 or up to 3 PACi and VRF Range

PAW-PACR3

In combination with one PAW-T10V on each indoor unit, allows the redundant operation of 2 (or 3) PACi or VRF indoor units.
All units will be operated by programmable turns in order to achieve the same operating time (example turn every 8 hours with 24 hours).
If the room temperature exceeds a freely set value, the 2nd (or 3rd) unit will be switched ON and an alarm will be activated.

CZ-CAPRA1

New Domestic with CZ-CNT port integration to PACi and ECOi.

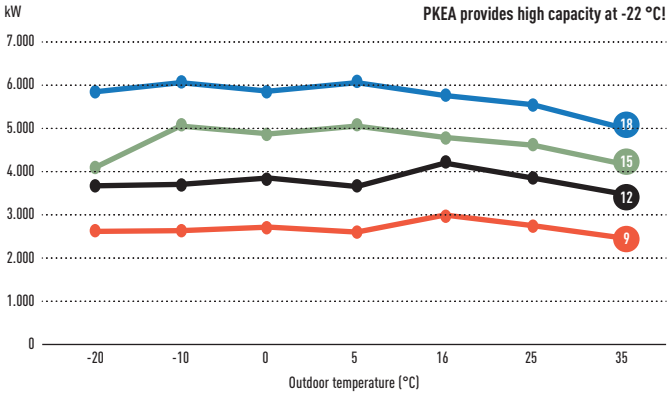


Display and Settings:

- Possible to select next unit manually
- Possible to reset operation
- LED display shows operation status of the 2 or 3 units
- Operation status output
- Alarm LED and alarm output
- Temperature limit can be set
- Temperature hysteresis can be set
- Room temperature is displayed
- Time counter displayed

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 -22 °C.



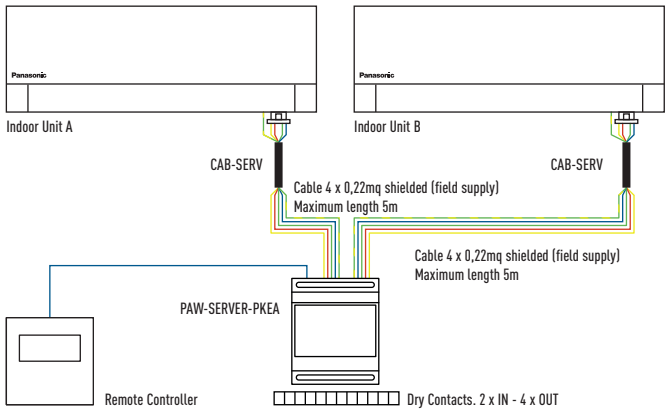
- Cooling even when ambient temperature is as low as -22 °C
- Electronic expansion valve (accurate sub-cooling and adjustable refrigerant flow)
- Outdoor DC fan motor to provide flexible air-flow to ensure optimum condensation pressure (works on outdoor pipe temperature sensor)

Interface option to manage server room operation

The PAW-SERVER-PKEA server room interface manages redundancy and backup of two PKEA units with two different selectable modes:

- Plug and play by embedded redundancy and backup algorithm (no external signal needed. Further details please refer to operation manual)
- External (third party PLC) redundancy and backup management by dry contact

All settings are possible without the need for a computer connection.
A special Energy Saving Mode is selectable by deep switch (available only in plug and play mode). The level of remote controller input prohibition can be set when external management is by dry contact.



Main Features
- Cascade management
- Back Up system
- Overheating prevention
- ECO function
- BMS management available

Only available
- CS.ZXXTKEA
- CS.EXXQKE / PKE / NKE

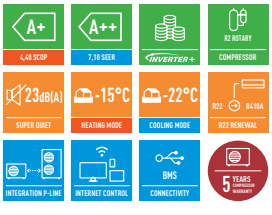
Wall Mounted PKEA Professional Inverter -22 °C

KIT			KIT-E9-PKEA	KIT-E12-PKEA	KIT-E15-PKEA	KIT-E18-PKEA
Heating capacity	Nominal (Min - Max)	kW	3,40 (0,85 - 5,40)	4,00 (0,85 - 6,60)	5,40 (0,98 - 7,10)	5,80 (0,98 - 8,00)
Heating capacity at -7 °C [4]		kW	3,33	4,07	4,10	4,98
COP [1]	Nominal (Min - Max)	W/W	4,86 (4,12 - 5,15) A	4,35 (3,63 - 5,15) A	3,75 (2,88 - 3,24) A	3,82 (2,88 - 3,11) A
SCOP [5]		**W/W**	**4,40** A+	**4,10** A+	**3,90** A	**4,20** A+
Pdesign at -10 °C		kW	2,8	3,6	3,6	4,4
Input power heating	Nominal (Min - Max)	kW	0,70 (0,17 - 1,31)	0,92 (0,17 - 1,82)	1,44 (0,34 - 2,19)	1,52 (0,34 - 2,57)
Annual electricity consumption (heating) [3]		kWh/a	891	1.229	1.292	1.467
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)
EER [1]	Nominal (Min - Max)	W/W	4,85 (4,23 - 5,00) A	4,02 (3,57 - 5,00) A	3,50 (3,50 - 3,16) A	3,47 (3,50 - 3,02) A
Cooling capacity at -10 °C		kW	2,63	3,69	5,04	6,00
EER at -10 °C		W/W	7,19	5,96	6,01	6,00
Cooling capacity at -20 °C		kW	2,61	3,66	4,06	5,82
EER at -20 °C		W/W	6,71	5,56	4,39	5,39
SEER [2]		**W/W**	**7,10** A++	**6,70** A++	**6,30** A++	**6,90** A++
Pdesign		kW	2,5	3,5	4,2	5,0
Input power cooling	Nominal (Min - Max)	kW	0,52 (0,17 - 0,71)	0,87 (0,17 - 1,12)	1,20 (0,28 - 1,58)	1,44 (0,28 - 1,99)
Annual electricity consumption (cooling) [3]		kWh/a	123	183	233	254
Indoor Unit			**CS-E9PKEA**	**CS-E12PKEA**	**CS-E15PKEA**	**CS-E18PKEA**
Power source		V	230	230	230	230
Recommended fuse		A	10	10	16	16
Air Volume	Cooling / Heating	m³/min	13,3 / 14,6	13,6 / 14,7	14,1 / 15,0	17,9 / 19,3
Moisture removal volume		L/h	1,5	2,0	2,4	2,8
Sound pressure [6]	Cooling — Heating (Hi / Lo / S-Lo)	dB(A)	39 / 26 / 23 — 40 / 27 / 24	42 / 29 / 26 — 42 / 33 / 29	43 / 32 / 29 — 43 / 35 / 29	44 / 37 / 34 — 44 / 37 / 34
Dimensions / Net weight	H x W x D	mm / kg	295 x 870 x 255 / 10	295 x 870 x 255 / 10	295 x 870 x 255 / 10	295 x 1.070 x 255 / 13
Outdoor Unit			**CU-E9PKEA**	**CU-E12PKEA**	**CU-E15PKEA**	**CU-E18PKEA**
Sound pressure [6]	Cooling / Heating (Hi)	dB(A)	46 / 47	48 / 50	46 / 46	47 / 47
Dimensions [7] / Net weight	H x W x D	mm / kg	622 x 824 x 299 / 36	622 x 824 x 299 / 36	695 x 875 x 320 / 45	695 x 875 x 320 / 46
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out) [8]		m	3 ~ 15 / 5	3 ~ 15 / 5	3 ~ 15 / 15	3 ~ 20 / 15
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 20	7,5 / 20	7,5 / 20	7,5 / 20
Operating range	Cooling / Heating Min ~ Max	°C	-22 ~ +43 / -15 ~ +24	-22 ~ +43 / -15 ~ +24	-22 ~ +43 / -15 ~ +24	-22 ~ +43 / -15 ~ +24

Accessories	
PAW-GRDSTD40	Outdoor elevation platform
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption

Accessories	
PAW-SERVER-PKEA	PCB for installation in server rooms with security
CZ-CAPRA1	H Generation interface to ECOi control integration

Rating Conditions for cooling capacity at low temperature: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 0 °C DB / -10 °C WB.
1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a[EER25]+b[EER50]+c[EER75]+d[EER100] where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) Add 70mm for piping port. 8) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.



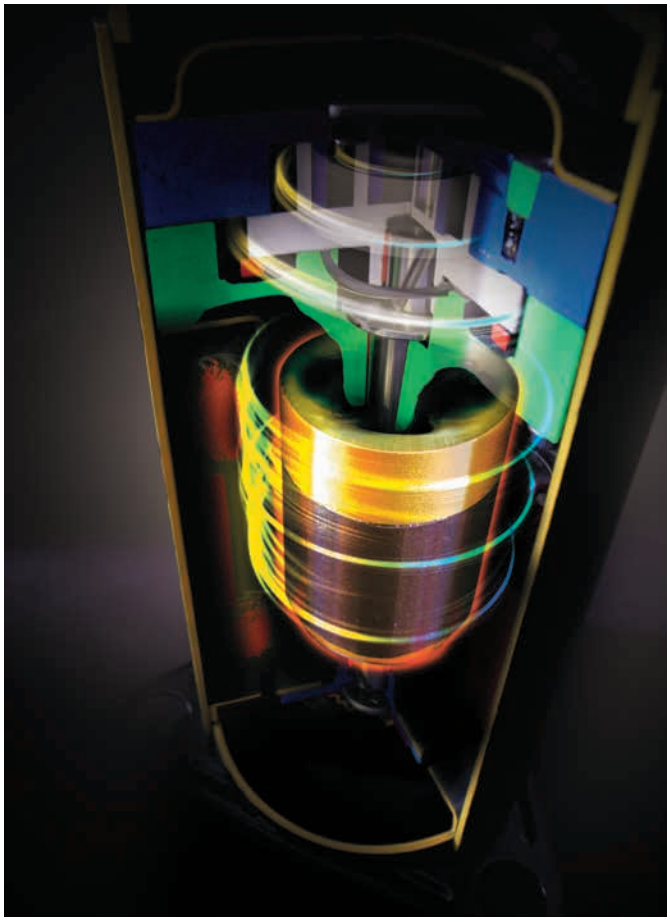
SCOP and SEER: For KIT-E9-PKEA. SUPER QUIET: For KIT-E9-PKEA.
INTERNET CONTROL: Optional.

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

PANASONIC R2 ROTARY COMPRESSOR

Making the world a cooler place since 1978

Panasonic Rotary Compressors for Room Air Conditioners have been installed in the most demanding environments around the world. Designed to withstand extreme conditions, Panasonic Rotary delivers high performance, efficiency and reliable service, no matter where you are. Panasonic, the world's largest manufacturer of rotary compressors.



Why is the Panasonic R2 Rotary Compressor so efficient?

1. High Efficiency Motor The premium silicon steel motor meets industry efficiency requirements.
2. Improved Lubrication of High Volume Oil Pump The extended, high volume oil pump in conjunction with a larger capacity oil reservoir provides superior lubrication.
3. Accumulator has Larger Refrigerant Capacity The larger accumulator accomodates generous refrigerant amounts needed in longer line length installations.

- HIGHER EFFICIENCY
- SINGLE AND DUAL PISTON
- R32 / R-410A REFRIGERANT
- COMPACT SIZE

R2 Compressor Value

About R2 Compressor.

Built upon 36 years of compressor design and production experience, R2 is the next generation of Rotary Compressors for residential central air conditioning.

New technology improvements, enhanced materials and simple design ensure R2 compressors are reliable, efficient and quiet. The R2 Compressor delivers quality, comfort and peace of mind in homes around the world.

Panasonic's Rotary Compressors have been life tested in some of the world's most demanding environments. Proven for years many of the most demanding areas of the world, the R2 design is the compressor of choice by contractors and homeowners in these challenging climates.

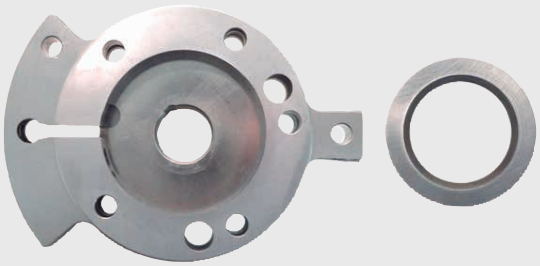
For the high performance that home-owners demand, R2 Rotary Compressors are the best air conditioning engines for today's residential cooling solutions.

Leading Technology.

Used in over 80 % of cooling solutions globally, rotary is the world's dominant residential air conditioning compression technology. Panasonic is the leading rotary and residential AC compressor manufacturer in the world, with over 200 million compressors produced.

Benefits.

Central air conditioning delivered with a Panasonic R2 Rotary Compressor ensures a superior level of comfort at an economical cost.



Vane - Long Life.

The special Physical Vapour Deposition (PVD) coating applied to the Vane greatly enhances the durability and life of the compressor mechanism.

Piston - Durable.

The piston is made of unique high-grade steel that prevents wear and extends operation life.

Splits 1x1

4 Way 60x60 Cassette Inverter

KIT			KIT-E9-PB4EA	KIT-E12-PB4EA	KIT-E18-RB4EA	KIT-E21-RB4EA
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	2,60	3,00		
COP [1]	Nominal (Min - Max)	W/W	4,00 (3,70 - 3,56) A	3,17 (3,70 - 2,80) D	3,01 (3,46 - 2,92) D	2,86 (3,46 - 2,84) D
SCOP		W/W	**4,00** A+	**3,80** A	**4,10** A+	**4,10** A+
Pdesign at -10 °C		kW	2,70	3,00	3,80	4,00
Input power heating	Nominal (Min - Max)	kW	0,80 (0,23 - 1,35)	1,42 (0,23 - 2,00)	1,86 (0,26 - 2,43)	2,45 (0,26 - 2,82)
Annual electricity consumption (heating) [2]		kWh/a	945	1.105	1.298	1.366
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,40 (0,85 - 4,00)	5,00 (0,90 - 5,80)	5,90 (0,90 - 6,30)
EER [1]	Nominal (Min - Max)	W/W	4,55 (3,54 - 4,05) A	3,82 (3,54 - 3,33) A	3,13 (3,53 - 2,97) B	2,88 (3,53 - 2,86) C
SEER		W/W	**5,80** A+	**5,60** A+	**5,80** A+	**5,60** A+
Pdesign (cooling)		kW	2,50	3,40	5,00	5,90
Input power cooling	Nominal (Min - Max)	kW	0,55 (0,24 - 0,74)	0,89 (0,24 - 1,20)	1,60 (0,26 - 1,95)	2,05 (0,26 - 2,20)
Annual electricity consumption (cooling) [2]		kWh/a	151	213	302	369
Indoor Unit			**CS-E9PB4EA**	**CS-E12PB4EA**	**CS-E18RB4EAW**	**CS-E21RB4EAW**
Power source		V	230	230	230	230
Recommended fuse		A	10	10	16	16
Air volume	Cooling / Heating	m³/min	10,5 / 10,8	10,5 / 10,8	11,5 / 11,8	12,4 / 14,6
Moisture removal volume		L/h	1,5	2,3	2,8	3,3
Sound pressure [3]	Cooling (Hi / Lo / Q-Lo)	dB(A)	34 / 26 / 23	34 / 26 / 23	37 / 28 / 25	42 / 33 / 30
	Heating (Hi / Lo / Q-Lo)	dB(A)	35 / 28 / 25	35 / 28 / 25	38 / 29 / 26	43 / 34 / 31
Dimensions (H x W x D)	Indoor / Panel	mm	260 x 575 x 575 / 51 x 700 x 700	260 x 575 x 575 / 51 x 700 x 700	260 x 575 x 575 / 51 x 700 x 700	260 x 575 x 575 / 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-E9PB4EA**	**CU-E12PB4EA**	**CU-E18RBEA**	**CU-E21RBEA**
Sound pressure [3]	Cooling / Heating (Hi)	dB(A)	45 / 46	45 / 47	47 / 48	49 / 50
Dimensions [4] / Net weight	H x W x D	mm / kg	622 x 824 x 299 / 36	695 x 875 x 320 / 45	695 x 875 x 320 / 47	695 x 875 x 320 / 47
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out)		m	3 – 20 / 15	3 – 20 / 15	3 – 30 / 20	3 – 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 20	10 / 20
Operating range	Cooling Min – Max	°C	-10 – +43	-10 – +43	-10 – +43	-10 – +43
	Heating Min – Max	°C	-10 – +24	-10 – +24	-10 – +24	-10 – +24

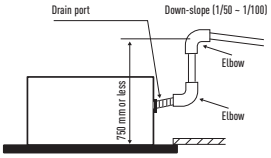
Accessories	
PA-AC-WIFI-1	Full bidirectional Wifi interface for Internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control

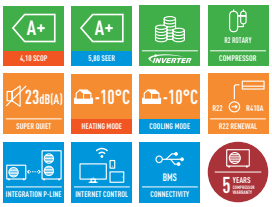
Accessories	
CZ-RD514C	Wired remote controller for wall type
CZ-CAPRA1	H Generation interface to ECOi control integration

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m below the ceiling in the centre of the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 70mm for piping port.

SCOP and SEER: For KIT-E18-RB4EA. SUPER QUIET: For KIT-E9-PB4EA and KIT-E12-PB4EA. INTERNET CONTROL: Optional.

Indoor unit drain piping.
The height of drain may be possible up to 750 mm.





Low Static Pressure Hide Away Inverter

KIT			KIT-E9-PD3EA	KIT-E12-QD3EA	KIT-E18-RD3EA
Heating capacity	Nominal (Min - Max)	kW	3,20 (0,85 - 4,60)	4,00 (0,85 - 5,10)	6,10 (0,90 - 7,10)
Heating capacity at -7 °C		kW	2,60	3,00	4,30
COP [1]		W/W	3,72 (3,70 - 3,33) A	3,54 (3,70 - 3,29) B	3,33 (3,46 - 3,26) C
SCOP		W/W	**4,20** A+	**3,80** A	**3,90** A
Pdesign at -10 °C		kW	**2,60**	**2,90**	**4,00**
Input power heating	Nominal (Min - Max)	kW	0,86 (0,23 - 1,38)	1,13 (0,23 - 1,55)	1,83 (0,26 - 2,18)
Annual electricity consumption (heating) [2]		kWh/a	867	1.068	1.436
Cooling capacity	Nominal (Min - Max)	kW	2,50 (0,85 - 3,00)	3,40 (0,85 - 4,00)	5,10 (0,90 - 5,70)
EER [1]		W/W	4,24 (3,54 - 3,95) A	3,86 (3,54 - 3,45) A	3,19 (3,53 - 3,13) B
SEER		W/W	**5,80** A+	**5,60** A+	**5,80** A+
Pdesign (cooling)		kW	2,50	3,40	**5,10**
Input power cooling	Nominal (Min - Max)	kW	0,59 (0,24 - 0,76)	0,88 (0,24 - 1,16)	1,60 (0,26 - 1,82)
Annual electricity consumption (cooling) [2]		kWh/a	151	213	308
Indoor Unit			**CS-E9PD3EA**	**CS-E12QD3EAW**	**CS-E18RD3EAW**
Power source		V	230	230	230
Recommended fuse		A	10	10	16
External static pressure [3]	S-Hi / Hi / Me / Lo	Pa	N/A	N/A	N/A
Air volume	Cooling / Heating	m³/min	6,9 / 8,1	9,3 / 10,4	15,3 / 15,3
Moisture removal volume		L/h	1,50	2,30	2,80
Sound pressure [4]	Cooling (Hi / Lo / Q-Lo)	dB(A)	33 / 27 / 24	34 / 27 / 24	41 / 30 / 27
	Heating (Hi / Lo / Q-Lo)	dB(A)	35 / 28 / 25	36 / 28 / 25	41 / 32 / 29
Dimensions	H x W x D	mm	235 x 750 x 370	235 x 750 x 370	200 x 750 x 640
Net weight		kg	17	17	19
Outdoor Unit			**CU-E9PD3EA**	**CU-E12QD3EA**	**CU-E18RBEA**
Sound pressure [4]	Cooling / Heating (Hi)	dB(A)	47 / 47	47 / 48	47 / 48
Dimensions [5]	H x W x D	mm	622 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	36	45	47
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 3/8 (9,52)	1/4 (6,35) / 1/2 (12,70)
Piping length range / Elevation difference (in/out)		m	3 – 20 / 15	3 – 20 / 15	3 – 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	7,5 / 20	7,5 / 20	10 / 20
Operating range	Cooling Min – Max	°C	-10 – +43	-10 – +43	-10 – +43
	Heating Min – Max	°C	-10 – +24	-10 – +24	-10 – +24

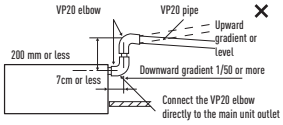
Accessories	
PA-AC-WIFI-1	Full bidirectional Wifi interface for Internet control
PAW-IR-WIFI-1	IR Wifi interface for Internet control

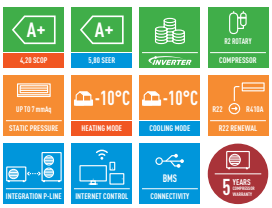
Accessories	
CZ-RD52CP	Wired remote controller for Cassette and Hide Away
CZ-CAPRA1	H Generation interface to ECOi control integration

1) EER and COP classification is at 230 V in accordance with EU directive 2002/31/EC. 2) The annual energy consumption is calculated in accordance with the ErP directive. 3) The specification listed on the table indicates values under the condition of 29Pa (3,0mmAq) which are applied for factory default setting. Change switch on PCB from Hi to Shi to have more than 6,0mmAq. 4) The Sound pressure of the units shows the value measured of a position of 1,5 m below the unit with 1 m duct on the suction side and 2m duct on the discharge side. 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.

SCOP and SEER: For KIT-E9-PD3EA. INTERNET CONTROL: Optional.

Connecting the drain piping.
Should there be any obstacle preventing the drain piping from being extended smoothly, the drain piping can be raised outside of the main unit as shown in the illustration below.

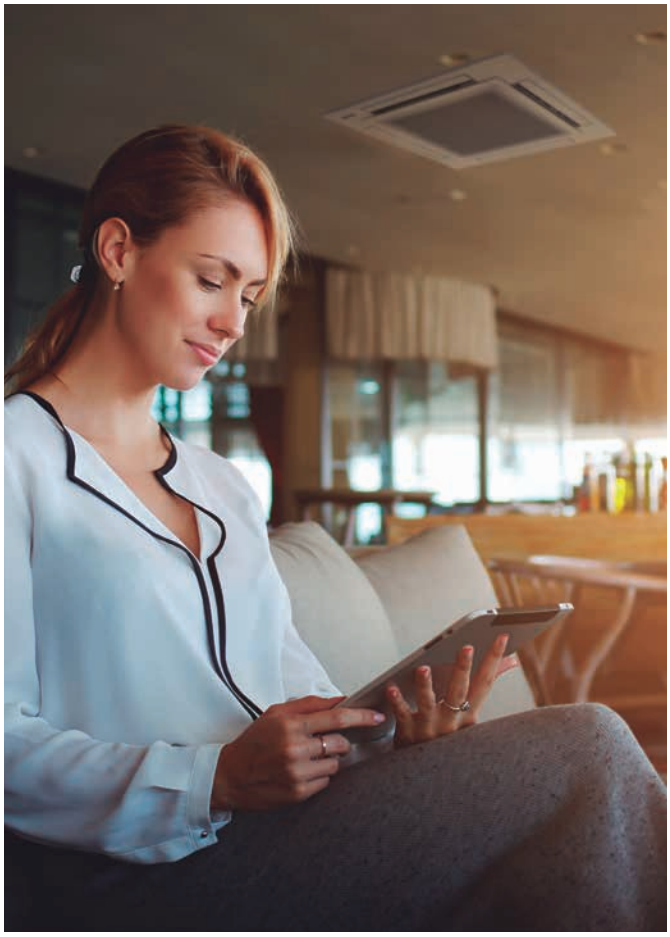




Rating Conditions: Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. (DB: Dry Bulb; WB: Wet Bulb)
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu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

NEW PANASONIC PACi SERIES PE2

Panasonic introduces new flat panel design which is modern and matching well with your space. These cassettes have developed to satisfy today's customer needs such as highest energy saving, maximum comfort and healthier air.



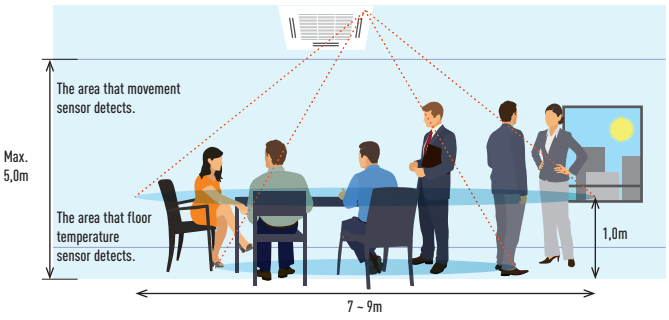
New PACi Cassette Panasonic

- New flat panel design
- Better SCOP & SEER (up to 15 %)
- Advanced comfort and energy saving by new Econavi sensor
- Air purification nanoe™ X system
- Super quiet operation from 28dB(A)
- Econavi: Floor temperature and humidity sensor added. Activity amount detection and new circulator
- nanoe™ X: The first 10x for CAC (10 times more purification power). Inside cleaning by 10x nanoe™ X + dry control

These cassettes offer upgraded Econavi and nanoe™ X purification system as accessories for making application space more comfortable, healthy and efficient.

Econavi intelligent sensor

2 sensors (movement and floor temperature) can find waste of energy and control effectively. Floor temperature can detect up to 5m ceiling height.



Econavi exclusive panel. Optional (CZ-KPU3A)

Floor temperature sensor.
This sensor detects average floor temperature and operates circulation if floor is low temperature.

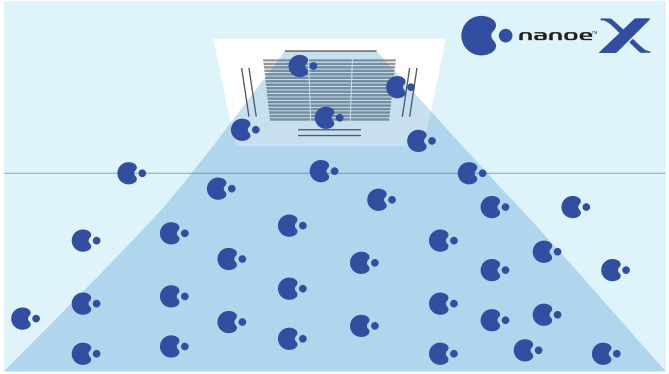
Movement sensor.
This sensor detects the amount of human activity, and operates effectively.

Wired remote controller CZ-RTC5A is required.

Always fresh and clean air with nanoe™ X

New nanoe™ X is available by the advanced technology of room air conditioning.

- Purificating operation can work simultaneously or independently from heating/cooling operation.
- Inhibiting viruses, bacteria & deodorisation (bacteria, fungus, pollen, virus and cigarette smoke). OH radicals in nanoe™ X pull bacteria's hydrogen out and it is effectively deodorised be sterilised
- Clean inside by nanoe™ X + Dry control: inside of indoor unit can be cleaned by short operation circuit with nanoe™ X and drying

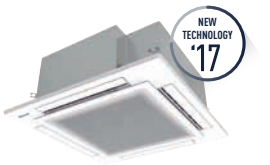


CZ-RTC5A and optional accessory CZ-CNEXU1 are required to use nanoe™ X function.

PACi Kits

PACi STANDARD NEW 4 Way 90x90 Cassette Inverter+

			Single Phase				Three Phase		
			6,0 kW	7,1 kW	10,0 kW	12,5 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-60PUY2E5B**	**KIT-71PUY2E5B**	**KIT-100PUY2E5A**	**KIT-125PUY2E5A**	**KIT-100PUY2E8A**	**KIT-125PUY2E8A**	**KIT-140PUY2E8A**
Cooling capacity	Nominal (Min - Max)	kW	6,0 (2,0 - 7,1)	7,1 (2,0 - 7,7)	10,0 (3,3 - 12,5)	12,5 (3,8 - 15,5)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	14,0 (3,3 - 15,5)
EER [1]	Nominal (Min - Max)	W/W	3,70 (8,00 - 3,23) A	3,24 (8,00 - 2,91) A	4,27 (4,29 - 3,38) A	3,16 (4,22 - 2,77) B	3,16 (5,09 - 2,74) B	3,16 (4,22 - 2,77) B	3,25 (3,93 - 267) A
SEER [2]		**W/W**	**7,00** A++	**6,50** A++	**7,60** A++	–	**6,60** A++	–	–
Pdesign		kW	6,0	7,1	10,0	–	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	1,62 (0,25 - 2,20)	2,19 (0,25 - 2,65)	2,34 (0,77 - 3,70)	3,96 (0,90 - 4,88)	3,16 (0,53 - 4,20)	3,96 (0,90 - 4,88)	4,31 (0,84 - 5,81)
Annual energy consumption (ErP) [3]		kWh/a	300	382	461		530		
Heating capacity	Nominal (Min - Max)	kW	6,0 (1,8 - 7,0)	7,1 (1,8 - 8,1)	11,2 (4,1 - 14,0)	12,5 (3,4 - 15,0)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	14,0 (4,1 - 16,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	– / –	– / –	– / –	– / –	– / –
COP [1]	Nominal (Min - Max)	W/W	4,20 (9,00 - 4,24) A	4,13 (9,00 - 3,68) A	5,00 (5,19 - 3,18) A	4,10 (4,66 - 3,41) A	4,15 (5,12 - 3,45) A	4,10 (4,66 - 3,41) A	4,15 (4,56 - 3,08) A
SCOP [5]		**W/W**	**4,10** A+	**4,20** A+	**4,80** A++	–	**4,30** A+	–	–
Pdesign at -10 °C		kW	6,0	6,0	10,0	–	10,0	–	–
Input power heating	Nominal (Min - Max)	kW	1,43 (0,20 - 1,65)	1,72 (0,20 - 2,20)	2,24 (0,79 - 4,40)	3,05 (0,73 - 4,40)	2,41 (0,41 - 4,00)	3,05 (0,73 - 4,40)	3,37 (0,90 - 5,20)
Annual energy consumption (ErP) [3]		kWh/a	2.047	2.002	2.917	–	3.256	–	–
Indoor Unit			**S-60PU2E5A**	**S-71PU2E5A**	**S-100PU2E5A**	**S-125PU2E5A**	**S-100PU2E5A**	**S-125PU2E5A**	**S-140PU2E5A**
Panel			**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**
Econavi Panel			**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**
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	36,0 / 26,0 / 18,0	37,0 / 27,0 / 19,0	38,0 / 29,0 / 20,0
Sound pressure [6]	Hi / Med / Lo	dB(A)	36 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimensions (H x W x D)	Indoor	mm / kg	256 x 840 x 840 / 20	256 x 840 x 840 / 20	319 x 840 x 840 / 25	319 x 840 x 840 / 25	319 x 840 x 840 / 25	319 x 840 x 840 / 25	319 x 840 x 840 / 25
Net weight	Panel	mm / kg	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5
Outdoor Unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**	**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	20	20	25	25	3x13 / 1x10	3x13 / 1x10	3x16 / 1x10
Current	Cooling	A	8,00 / 7,60 / 7,30	10,70 / 10,30 / 9,85	0,82 / 0,79 / 0,76	19,2 / 18,4 / 17,6	5,10 / 4,85 / 4,70	6,35 / 6,05 / 5,80	6,85 / 6,50 / 6,25
	Heating	A	7,05 / 6,75 / 6,45	8,50 / 8,10 / 7,80	0,81 / 0,78 / 0,75	15,4 / 14,8 / 14,2	4,15 / 3,95 / 3,80	5,15 / 4,90 / 4,70	5,65 / 5,35 / 5,20
Air volume	Cooling / Heating	m³/min	38 / 41	44 / 41	110 / 95	80 / 73	76 / 67	80 / 73	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56	54 / 54	56 / 56	54 / 53
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340
Net weight		kg	40	40	73	85	73	85	98
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)
	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)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [7]		m	3 ~ 40 / 30	3 ~ 40 / 30	5 ~ 50 / 30	5 ~ 50 / 30	5 ~ 50 / 30	5 ~ 50 / 30	5 ~ 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 40	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO_2 Eq.	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cooling Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heating Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24



Econavi panel: CZ-KPU3A (CZ-RTC5A is required).

Optional nanoe™ X kit: CZ-CNEXU1 (CZ-RTC5A is required)

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWSU3

Optional Controller. Simplified remote controller CZ-RE2C2

STANDARD

ELITE

STANDARD AND ELITE

ECONAVI and INTERNET CONTROL: Optional. SCOP and SEER: For KIT-100PUY2E5A (Standard) and KIT-100PU2E5A (Elite). Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi ELITE NEW 4 Way 90x90 Cassette Inverter+

			Single Phase							Three Phase			
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-36PU2E5B**	**KIT-50PU2E5B**	**KIT-60PU2E5B**	**KIT-71PU2E5A**	**KIT-100PU2E5A**	**KIT-125PU2E5A**	**KIT-140PU2E5A**	**KIT-71PU2E8A**	**KIT-100PU2E8A**	**KIT-125PU2E8A**	**KIT-140PU2E8A**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,5 - 8,0)	10,0 (3,03 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,5)	7,1 (3,2 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,0)
EER [1]	Nominal (Min - Max)	W/W	4,68 (6,25 - 4,40) A	3,79 (6,25 - 3,46) A	3,75 (8,00 - 3,23) A	3,94 (5,56 - 3,02) A	4,27 (4,29 - 3,38) A	3,70 (4,29 - 3,04) A	3,30 (4,29 - 2,70) A	3,94 (5,71 - 3,02) A	4,27 (4,29 - 3,38) A	3,70 (4,29 - 3,04) A	3,30 (4,29 - 2,70) A
SEER [2]		**W/W**	**7,40** A+++	**7,10** A+++	**7,40** A+++	**7,60** A+++	**7,60** A+++	–	–	**7,30** A+++	**7,40** A+++	–	–
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	0,77 (0,24 - 0,91)	1,32 (0,24 - 1,62)	1,60 (0,25 - 2,20)	1,80 (0,45 - 2,65)	2,34 (0,77 - 3,70)	3,37 (0,77 - 4,60)	4,24 (0,77 - 5,74)	1,80 (0,56 - 2,65)	2,34 (0,77 - 3,70)	3,37 (0,77 - 4,60)	4,24 (0,77 - 5,74)
Annual energy consumption (ErP) [3]		kWh/a	170	246	284	327	461	–	–	340	473	–	–
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)	8,0 (2,8 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)
Heating capacity at -7 °C / -15 °C [3]		kW	– / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –	– / –
COP [1]	Nominal (Min - Max)	W/W	5,13 (7,89 - 4,63) A	4,44 (7,89 - 4,01) A	4,07 (9,00 - 3,90) A	4,30 (5,00 - 3,16) A	5,00 (5,19 - 3,18) A	4,60 (5,19 - 3,17) A	4,30 (5,19 - 3,15) A	4,30 (5,60 - 3,16) A	5,00 (5,19 - 3,18) A	4,60 (5,19 - 3,17) A	4,30 (5,19 - 3,15) A
SCOP [5]		**W/W**	**4,60** A+++	**4,40** A+	**4,20** A+	**4,30** A+	**4,80** A+++	–	–	**4,30** A+	**4,80** A+++	–	–
Pdesign at -10 °C		kW	3,6	5,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power heating	Nominal (Min - Max)	kW	0,78 (0,19 - 1,08)	1,26 (0,19 - 1,62)	1,72 (0,20 - 2,05)	1,86 (0,40 - 285)	2,24 (0,79 - 4,40)	3,04 (0,79 - 5,04)	3,72 (0,79 - 5,72)	1,86 (0,50 - 2,85)	2,24 (0,79 - 4,40)	3,04 (0,79 - 5,04)	3,72 (0,79 - 5,72)
Annual energy consumption (ErP) [3]		kWh/a	1.095	1.591	1.999	2.312	2.917	–	–	2.312	2.917	–	–
Indoor Unit			**S-36PU2E5A**	**S-50PU2E5A**	**S-60PU2E5A**	**S-71PU2E5A**	**S-100PU2E5A**	**S-125PU2E5A**	**S-140PU2E5A**	**S-71PU2E5A**	**S-100PU2E5A**	**S-125PU2E5A**	**S-140PU2E5A**
Panel			**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**	**CZ-KPU3**
Econavi Panel			**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**	**CZ-KPU3A**
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	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 [6]	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	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
Dimensions (H x W x D)	Indoor	mm / kg	256 x 840 x 840 / 19	256 x 840 x 840 / 19	256 x 840 x 840 / 20	256 x 840 x 840 / 20	319 x 840 x 840 / 25	319 x 840 x 840 / 25	319 x 840 x 840 / 25	256 x 840 x 840 / 20	319 x 840 x 840 / 25	319 x 840 x 840 / 25	319 x 840 x 840 / 25
Net weight	Panel	mm / kg	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5	33,5 x 950 x 950 / 5
Outdoor Unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**	**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	10	13	20	20	25	25	30	3x10 / 1x10	3x13 /1x10	3x13 /1x10	16 3x13 /1x10
Current	Cooling	A	3,75 / 3,55 / 3,40	6,25 / 5,95 / 5,70	7,90 / 7,50 / 7,25	8,40 / 8,10 / 7,90	10,7 / 10,3 / 9,90	15,8 / 15,3 / 14,8	19,6 / 19,0 / 18,4	2,80 / 2,70 / 2,60	3,70 / 3,50 / 3,40	5,45 / 5,15 / 5,00	6,75 / 6,45 / 6,20
	Heating	A	3,80 / 3,60 / 3,45	6,05 / 5,75 / 5,50	8,50 / 8,15 / 7,80	9,30 / 9,00 / 8,70	11,8 / 11,4 / 11,0	15,9 / 15,4 / 14,9	19,8 / 19,2 / 18,6	3,10 / 3,00 / 2,90	4,05 / 3,85 / 3,75	5,50 / 5,20 / 5,05	6,85 / 6,50 / 6,25
Air volume	Cooling / Heating	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	130 / 110	135 / 120	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98	71	98	98	98
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)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [7]		m	3 ~ 40 / 30	3 ~ 40 / 30	3 ~ 40 / 30	5 ~ 50 / 30	5 ~ 75 / 30	5 ~ 75 / 30	5 ~ 75 / 30	5 ~ 50 / 30	5 ~ 75 / 30	5 ~ 75 / 30	5 ~ 75 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 20	30 / 20	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO_2 Eq.	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cooling Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWSU3	Wireless remote controller
CZ-RE2C2	Simplified remote controller
CZ-CNEXU1	nanoe™ X air purifying system for Cassette 90x90 PU2
CZ-KPU3A	Econavi exclusive panel

Accessories	
PAW-WTRAY	Tray for condenser water compatible with base ground support
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg)
PAW-WPH7	Wind protection shield for U-50PE2E5A
PAW-WPH9	Wind protection shield for U-60PE2E5A, U-71PE1E5A/8A, U-100PEY1E5/8, U-125PEY1E5/8
PAW-WPH10	Wind protection shield for U-100PE1E5A/8A, U-125PE1E5A/8A, U-140PE1E5A/8A, U-140PEY1E8

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a[EER25]+b[EER50]+c[EER75]+d[EER100] where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.

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

PACi Kits

Panel
CZ-KPY3A (size 700 x 700mm)
CZ-KPY3B (size 625 x 625mm)

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWSK2

Optional Controller. Simplified remote controller CZ-RE2C2

PACi STANDARD 4 Way 60x60 Cassette Inverter+

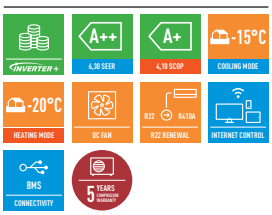
			3,6 kW	4,5 kW	5,0 kW
Cooling capacity		kW	3,6	4,5	5,0
Heating capacity		kW	4,2	5,2	5,6
Indoor Unit			**S-36PY2E5A**[1]	**S-45PY2E5A**[1]	**S-50PY2E5A**
Current	Cooling	A	0,30	0,32	0,35
	Heating	A	0,30	0,30	0,35
Input power	Cooling	kW	0,40	0,40	0,45
	Heating	kW	0,35	0,35	0,40
Air volume	Cooling / Heating	m³/min	10 / 10	10 / 10	11 / 11
Moisture removal volume		L/h	2,1	2,5	2,8
Sound pressure [6]	Cooling (Hi / Med / Lo)	dB(A)	36 / 32 / 26	38 / 34 / 28	40 / 37 / 33
	Heating (Hi / Med / Lo)	dB(A)	36 / 32 / 26	38 / 34 / 28	40 / 37 / 33
Sound power	Cooling (Hi)	dB	51 / 47 / 41	53 / 49 / 43	55 / 52 / 48
	Heating (Hi)	dB	51 / 47 / 41	53 / 49 / 43	55 / 52 / 48
Dimensions (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel CZ-KPY3A	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel CZ-KPY3B	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 (12,7)	1/2 (12,7)	1/2 (12,7)
Operating range	Cooling Min ~ Max	°C	+18 ~ +32	+18 ~ +32	+18 ~ +32
	Heating Min ~ Max	°C	+16 ~ +30	+16 ~ +30	+16 ~ +30

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

PACi ELITE 4 Way 60x60 Cassette Inverter+

			3,6 kW	5,0 kW
KIT			**KIT-36PY2E5B**	**KIT-50PY2E5B**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)
EER [1]	Nominal (Min - Max)	W/W	4,50 (6,25 - 421) A	3,47 (6,25 - 3,16) A
SEER [2]		**W/W**	**6,30** A++	**6,10** A++
Pdesign		kW	3,6	5,0
Input power cooling	Nominal (Min - Max)	kW	0,80 (0,24 - 0,95)	1,44 (0,24 - 1,77)
Annual energy consumption (ErP) [3]		kWh/a	200	287
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)
Heating capacity at -7 °C [4]		kW		
Heating capacity at -15 °C [4]		kW		
COP [1]	Nominal (Min - Max)	W/W	4,08 (7,89 - 3,68) A	3,31 (7,89 - 3,00) C
SCOP [5]		**W/W**	**4,10** A+	**3,90** A
Pdesign at -10 °C		kW	3,6	5,0
Input power heating	Nominal (Min - Max)	kW	0,98 (0,19 - 1,36)	1,69 (0,19 - 2,17)
Annual energy consumption (ErP) [3]		kWh/a	1.229	1.795
Indoor Unit			**S-36PY2E5A**	**S-50PY2E5A**
Air volume	Cooling (Hi / Med / Lo)	m³/min	9,7 / 8,0 / 6,0	11,1 / 9,8 / 8,5
	Heating (Hi / Med / Lo)	m³/min	9,9 / 8,2 / 6,0	11,1 / 9,8 / 8,7
Moisture removal volume		L/h	2,1	2,8
Sound pressure [6]	Hi / Me / Lo	dB(A)	36 / 32 / 26	40 / 37 / 33
Sound power	Hi / Me / Lo	dB	51 / 47 / 41	55 / 52 / 48
Dimensions (H x W x D)	Indoor	mm	260 x 575 x 575	260 x 575 x 575
	Panel	mm	31 x 700 x 700	31 x 700 x 700
Net weight	Indoor (Panel)	kg	18 (2,4)	18 (2,4)
Outdoor Unit			**U-36PE2E5A**	**U-50PE2E5A**
Power source		V	220 / 230 / 240	220 / 230 / 240
Recommended fuse		A	10	10
Current	Cooling	A	3,80 / 3,60 / 3,50	6,70 / 6,50 / 6,20
	Heating	A	4,70 / 4,50 / 4,35	8,05 / 7,70 / 7,40
Air volume	Cooling / Heating	m³/min	38 / 38	38 / 41
Sound pressure	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 48
Sound power	Cooling / Heating (Hi)	dB	64 / 66	65 / 68
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299
Net weight		kg	39	39
Piping connections	Liquid pipe	Inch (mm)	1/4 (6,35)	1/4 (6,35)
	Gas pipe	Inch (mm)	1/2 (12,7)	1/2 (12,7)
Piping length range / Elevation difference (in/out) [7]		m	3 ~ 40 / 30	3 ~ 40 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 20	30 / 20
Refrigerant (R410A)		kg / TCO2 Eq.	1,40 / 2,9232	1,40 / 2,9232
Operating range	Cooling Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heating Min ~ Max	°C	-20 ~ +24	-20 ~ +24

ELITE



SCOP and SEER: For KIT-36PY2E5B. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWSK2	Wireless 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
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg)

Accessories	
PAW-WPH7	Wind protection shield for U-50PE2E5A
PAW-WPH9	Wind protection shield for U-60PE2E5A, U-71PE1E5A/8A, U-100PEY1E5/8, U-125PEY1E5/8
PAW-WPH10	Wind protection shield for U-100PE1E5A/8A, U-125PE1E5A/8A, U-140PE1E5A/8A, U-140PEY1E8

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a(EER25)+b(EER50)+c(EER75)+d(EER100) where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.

PACi STANDARD Ceiling Inverter+

			Single Phase				Three Phase		
			6,0 kW	7,1 kW	10,0 kW	12,5 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-60PTY2E5B**	**KIT-71PTY2E5B**	**KIT-100PTY2E5A**	**KIT-125PTY2E5A**	**KIT-100PTY2E8A**	**KIT-125PTY2E8A**	**KIT-140PTY2E8A**
Cooling capacity	Nominal (Min - Max)	kW	6,0 (2,0 - 7,1)	7,1 (2,0 - 7,7)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	14,0 (3,3 - 15,0)
EER [1]	Nominal (Min - Max)	W/W	3,68 (8,00 - 3,16) A	3,21 (8,00 - 2,91) A	3,01 (5,09 - 2,65)	3,01 (4,22 - 2,62) B	3,01 (5,09 - 2,65) B	3,01 (4,22 - 2,62) B	2,98 (3,93 - 2,63) C
SEER [2]		**W/W**	**6,70** A++	**6,10** A++	**6,10** A++	–	**6,00** A+	–	–
Pdesign		kW	6,0	7,1	10,0	–	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	1,63 (0,25 - 2,25)	2,21 (0,25 - 2,65)	3,32 (0,53 - 4,34)	4,15 (0,90 - 5,16)	3,32 (0,53 - 4,34)	4,15 (0,90 - 5,16)	4,70 (0,84 - 5,70)
Annual energy consumption (ErP) [3]		kWh/a	313	407	574	–	584	–	–
Heating capacity	Nominal (Min - Max)	kW	6,0 (1,8 - 7,0)	7,1 (1,8 - 8,1)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	14,0 (4,1 - 16,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	9,97 / 8,43	10,97 / 9,03	9,97 / 8,43	10,97 / 9,03	13,35 / 12,38
COP [1]	Nominal (Min - Max)	W/W	4,35 (9,00 - 4,38) A	4,23 (9,00 - 3,77) A	3,85 (5,12 - 3,45) A	3,85 (4,66 - 3,41) A	3,85 (5,12 - 3,45) A	3,85 (4,66 - 3,41) A	3,88 (4,56 - 3,07) A
SCOP [5]		**W/W**	**4,00** A+	**4,00** A+	**3,90** A	**3,40** [4]	**3,90** A	**3,40** [4]	**3,52** [4]
Pdesign at -10 °C		kW	6,0	6,0	10,0	–	10,0	–	–
Input power heating	Nominal (Min - Max)	kW	1,38 (0,20 - 1,60)	1,68 (0,20 - 2,15)	2,60 (0,41 - 4,00)	3,25 (0,73 - 4,40)	2,60 (0,41 - 4,00)	3,25 (0,73 - 4,40)	3,61 (0,90 - 5,21)
Annual energy consumption (ErP) [3]		kWh/a	2.100	2.100	3.590		3.590		–
Indoor Unit			**S-60PT2E5A**	**S-71PT2E5A**	**S-100PT2E5A**	**S-125PT2E5A**	**S-100PT2E5A**	**S-125PT2E5A**	**S-140PT2E5A**
Air volume	Hi / Med / Lo	m³/min	20,0 / 17,0 / 14,5	21,0 / 18,0 / 15,5	30,0 / 25,0 / 23,0	34,0 / 28,0 / 24,0	30,0 / 25,0 / 23,0	34,0 / 28,0 / 24,0	35,0 / 29,0 / 25,0
Sound pressure [6]	Hi / Med / Lo	dB(A)	38 / 34 / 30	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimensions	H x W x D	mm	235 x 1.275 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690
Net weight		kg	33	33	40	40	40	40	40
Outdoor Unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**	**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	20	20	25	25	3x13 /1x10	3x13 / 1x10	3x16 / 1x10
Current	Cooling	A	8,00 / 7,60 / 7,30	10,80 / 10,30 / 9,85	0,82 / 0,79 / 0,76	19,2 / 18,4 / 17,6	5,10 / 4,85 / 4,70	6,35 / 6,05 / 5,80	6,85 / 6,50 / 6,25
	Heating	A	6,70 / 6,45 / 6,15	8,20 / 7,85 / 7,50	0,81 / 0,78 / 0,75	15,4 / 14,8 / 14,2	4,15 / 3,95 / 3,80	5,15 / 4,90 / 4,70	5,65 / 5,35 / 5,20
Air volume	Cooling / Heating	m³/min	38 / 41	44 / 41	110 / 95	80 / 73	76 / 67	80 / 73	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56	54 / 54	56 / 56	54 / 53
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340
Net weight		kg	40	40	73	85	73	85	98
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)
	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)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [7]		m	3 – 40 / 30	3 – 40 / 30	5 – 50 / 30	5 – 50 / 30	5 – 50 / 30	5 – 50 / 30	5 – 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 40	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO2 Eq.	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cooling Min – Max	°C	-10 – +43	-10 – +43	-10 – +43	-10 – +43	-10 – +43	-10 – +43	-10 – +43
	Heating Min – Max	°C	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWST3N

Optional Controller. Simplified remote controller CZ-RE2C2

STANDARD

ELITE

STANDARD AND ELITE

INTERNET CONTROL: Optional. SCOP and SEER: For KIT-60PTY2E5B (Standard) and KIT-60PT2E5B (Elite).
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi ELITE Ceiling Inverter+

			Single Phase							Three Phase			
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-36PT2E5B**	**KIT-50PT2E5B**	**KIT-60PT2E5B**	**KIT-71PT2E5A**	**KIT-100PT2E5A**	**KIT-125PT2E5A**	**KIT-140PT2E5A**	**KIT-71PT2E8A**	**KIT-100PT2E8A**	**KIT-125PT2E8A**	**KIT-140PT2E8A**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,0)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,0)
EER [1]	Nominal (Min - Max)	W/W	4,80 (6,25 - 4,49) A	3,73 (6,25 - 3,41) A	3,73 (8,00 - 3,16) A	3,68 (5,56 - 2,88) A	3,95 (3,93 - 3,25) A	3,35 (3,93 - 2,88) A	3,01 (3,93 - 2,65) B	3,68 (5,56 - 2,88) A	3,95 (3,93 - 3,25) A	3,35 (3,93 - 2,88) A	3,01 (3,93 - 2,65) B
SEER [2]		**W/W**	**6,70** A++	**6,50** A++	**6,80** A++	**6,20** A++	**6,70** A++	–	–	**5,90** A+	**6,60** A++	–	–
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	0,75 (0,24 - 0,89)	1,34 (0,24 - 1,64)	1,61 (0,25 - 2,25)	1,93 (0,45 - 2,78)	2,53 (0,84 - 3,85)	3,73 (0,84 - 4,86)	4,65 (0,84 - 5,65)	1,93 (0,45 - 2,78)	2,53 (0,84 - 3,85)	3,73 (0,84 - 4,86)	4,65 (0,84 - 5,65)
Annual energy consumption (ErP) [3]		kWh/a	188	269	309	965	523	–	–	421	531	–	–
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	– / –	7,52 / 7,65	12,04 / 11,20	13,48 / 12,38	14,24 / 12,69	7,52 / 7,65	12,04 / 11,20	13,48 / 12,38	14,24 / 12,69
COP [1]	Nominal (Min - Max)	W/W	5,00 (7,89 - 4,50) A	4,18 (7,89 - 3,78) A	4,22 (9,00 - 4,10) A	4,15 (5,00 - 3,10) A	4,31 (4,56 - 3,18) A	3,99 (4,56 - 3,07) A	3,67 (4,56 - 3,04) A	4,15 (5,00 - 3,10) A	4,31 (4,56 - 3,18) A	3,99 (4,56 - 3,07) A	3,67 (4,56 - 3,04) A
SCOP [5]		**W/W**	**4,30** A+	**4,10** A+	**4,10** A+	**4,00** A+	**4,30** A+	**3,63** [4]	**3,41** [4]	**4,00** A+	**4,30** A+	**3,63** [4]	**3,41** [4]
Pdesign at -10 °C		kW	3,6	5,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power heating	Nominal (Min - Max)	kW	0,80 (0,19 - 1,11)	1,34 (0,19 - 1,72)	1,66 (0,20 - 1,95)	1,93 (0,40 - 2,90)	2,60 (0,90 - 4,40)	3,51 (0,90 - 5,21)	4,36 (0,90 - 5,93)	1,93 (0,40 - 2,90)	2,60 (0,90 - 4,40)	3,51 (0,90 - 5,21)	4,36 (0,90 - 5,93)
Annual energy consumption (ErP) [3]		kWh/a	1.172	1.707	2.050	2.485	3.256	–	–	2.485	3.256	–	–
Indoor Unit			**S-36PT2E5A**	**S-50PT2E5A**	**S-60PT2E5A**	**S-71PT2E5A**	**S-100PT2E5A**	**S-125PT2E5A**	**S-140PT2E5A**	**S-71PT2E5A**	**S-100PT2E5A**	**S-125PT2E5A**	**S-140PT2E5A**
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	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 [6]	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	39 / 35 / 31	42 / 37 / 35	46 / 40 / 36	47 / 41 / 37
Dimensions	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 1.275 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690
Net weight		kg	27	27	33	33	40	40	40	33	40	40	40
Outdoor Unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**	**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	10	13	20	20	20	25	25	3x10 / 1x10	3x13 / 1x10	3x13 / 1x10	3x13 /1x10
Current	Cooling	A	3,75 / 3,55 / 3,40	6,25 / 5,95 / 5,70	7,90 / 7,50 / 7,25	9,00 / 8,70 / 8,40	11,5 / 11,1 / 10,6	17,0 / 16,4 / 15,8	21,2 / 20,5 / 19,8	3,00 / 2,90 / 2,80	3,95 / 3,75 / 3,65	5,85 / 5,55 / 5,35	7,30 / 6,95 / 6,70
	Heating	A	3,80 / 3,60 / 3,45	6,05 / 5,75 / 5,50	8,50 / 8,15 / 7,80	8,90 / 8,60 / 8,30	11,8 / 11,4 / 11,0	16,0 / 15,4 / 14,9	19,8 / 19,2 / 18,5	3,00 / 2,90 / 2,80	4,05 / 3,85 / 3,75	5,50 / 5,20 / 5,05	6,85 / 6,50 / 6,25
Air volume	Cooling / Heating	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	130 / 110	135 / 120	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98	71	98	98	98
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)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [7]		m	3 – 40 / 30	3 – 40 / 30	3 – 40 / 30	5 – 50 / 30	5 – 75 / 30	5 – 75 / 30	5 – 75 / 30	5 – 50 / 30	5 – 75 / 30	5 – 75 / 30	5 – 75 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 20	30 / 20	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO2 Eq.	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cooling Min – Max	°C	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46
	Heating Min – Max	°C	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWST3N	Wireless 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 (600 x 95 x 130mm, 500kg)
PAW-WPH7	Wind protection shield for U-50PE2E5A
PAW-WPH9	Wind protection shield for U-60PE2E5A, U-71PE1E5A/8A, U-100PEY1E5/8, U-125PEY1E5/8
PAW-WPH10	Wind protection shield for U-100PE1E5A/8A, U-125PE1E5A/8A, U-140PE1E5A/8A, U-140PEY1E8

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a[EER25]+b[EER50]+c[EER75]+d[EER100] where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification.
7) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.

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

PACi Kits

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWSK2 + CZ-RWSC3

Optional Controller. Simplified remote controller CZ-RE2C2

STANDARD

A 5,50 SEER | A+ 4,00 SCOP | -10°C COOLING MODE | -15°C HEATING MODE

ELITE

A++ 6,40 SEER | A+ 4,00 SCOP | -15°C COOLING MODE | -20°C HEATING MODE

STANDARD AND ELITE

INVERTER+ | DC FAN | R22 → R410A R22 RENEWAL | INTERNET CONTROL | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional. SCOP and SEER: For KIT-60PFY1E5B (Standard),and KIT-71PFY1E5A (Elite).
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi STANDARD High Static Pressure Hide Away Inverter+

			Single Phase				Three Phase		
			6,0 kW	7,1 kW	10,0 kW	12,5 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-60PFY1E5B**	**KIT-71PFY1E5B**	**KIT-100PFY1E5A**	**KIT-125PFY1E5A**	**KIT-100PFY1E8A**	**KIT-125PFY1E8A**	**KIT-140PFY1E8A**
Cooling capacity	Nominal (Min - Max)	kW	6,0 (2,0 - 7,1)	7,1 (2,0 - 7,7)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	14,0 (3,3 - 15,5)
EER [1]	Nominal (Min - Max)	W/W	3,35 (5,97 - 2,85) A	2,76 (5,97 - 2,48) D	3,01 (5,09 - 2,74) B	3,05 (4,22 - 2,70) B	3,01 (5,09 - 2,74) B	3,05 (4,22 - 2,70) B	3,22 (3,93 - 2,58) A
SEER [2]		**W/W**	**5,50 A**	**5,40 A**	**5,40 A**	–	**5,20 A**	–	–
Pdesign		kW	6,0	7,1	10,0	–	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	1,79 (0,35 - 2,49)	2,57 (0,34 - 3,21)	3,32 (0,53 - 4,20)	4,10 (0,90 - 5,00)	3,32 (0,53 - 4,20)	4,10 (0,90 - 5,00)	4,35 (0,84 - 6,00)
Annual energy consumption (ErP) [3]		kWh/a	382	460	648	–	673	–	–
Heating capacity	Nominal (Min - Max)	kW	6,0 (1,8 - 7,0)	7,1 (1,8 - 8,1)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	14,0 (4,1 - 16,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	9,97 / 8,43	10,97 / 9,03	9,97 / 8,43	10,97 / 9,03	13,35 / 12,38
COP [1]	Nominal (Min - Max)	W/W	4,38 (6,32 - 4,12) A	4,10 (6,32 - 3,68) A	3,80 (5,12 - 3,45) A	3,82 (4,66 - 3,41) A	3,80 (5,12 - 3,45) A	3,82 (4,66 - 3,41) A	3,91 (4,56 - 3,08) A
SCOP [5]		**W/W**	**4,00 A+**	**4,00 A+**	**3,80 A**	–	**3,80 A**	–	–
Pdesign at -10 °C		kW	6,0	6,0	9,5	–	9,5	–	–
Input power heating	Nominal (Min - Max)	kW	1,37 (0,29 - 1,70)	1,73 (0,29 - 2,20)	2,63 (0,41 - 4,00)	3,27 (0,73 - 4,40)	2,63 (0,41 - 4,00)	3,27 (0,73 - 4,40)	3,58 (0,90 - 5,20)
Annual energy consumption (ErP) [3]		kWh/a	2.100	2.100	3.500	–	3.500	–	–
Indoor Unit			**S-60PF1E5A**	**S-71PF1E5A**	**S-100PF1E5A**	**S-125PF1E5A**	**S-100PF1E5A**	**S-125PF1E5A**	**S-140PF1E5A**
External static pressure [6]	Nominal (Min - Max)	Pa	70 (10 - 150)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	21 / 19 / 15	21 / 19 / 15	32 / 26 / 21	34 / 29 / 23	32 / 26 / 21	34 / 29 / 23	36 / 32 / 25
Sound pressure [7]	Hi / Med / Lo	dB(A)	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimensions	H x W x D	mm	290 x 1.000 x 700	290 x 1.000 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.400 x 700
Net weight		kg	33	33	45	45	45	45	45
Outdoor Unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**	**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	20	20	25	30	3x13 / 1x10	3x13 / 1x10	3x16 / 1x10
Current	Cooling	A	8,00 / 7,60 / 7,30	10,70 / 10,30 / 9,85	0,82 / 0,79 / 0,76	19,2 / 18,4 / 17,6	5,10 / 4,85 / 4,70	6,35 / 6,05 / 5,80	6,85 / 6,50 / 6,25
	Heating	A	7,05 / 6,75 / 6,45	8,50 / 8,10 / 7,80	0,81 / 0,78 / 0,75	15,4 / 14,8 / 14,2	4,15 / 3,95 / 3,80	5,15 / 4,90 / 4,70	5,65 / 5,35 / 5,20
Air volume	Cooling / Heating	m³/min	38 / 41	44 / 41	110 / 95	80 / 73	76 / 67	80 / 73	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56	54 / 54	56 / 56	54 / 53
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340
Net weight		kg	40	40	73	85	73	85	98
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)
	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)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [8]		m	3 – 40 / 30	3 – 40 / 30	5 – 50 / 30	5 – 50 / 30	5 – 50 / 30	5 – 50 / 30	5 – 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 40	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO2 Eq.	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cooling Min – Max	°C	-10 – +43	-10 – +43	-10 – +43	-10 – +43	-10 – +43	-10 – +43	-10 – +43
	Heating Min – Max	°C	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24	-15 – +24

PACi ELITE High Static Pressure Hide Away Inverter+

			Single Phase							Three Phase			
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-36PF1E5B**	**KIT-50PF1E5B**	**KIT-60PF1E5B**	**KIT-71PF1E5A**	**KIT-100PF1E5A**	**KIT-125PF1E5A**	**KIT-140PF1E5A**	**KIT-71PF1E8A**	**KIT-100PF1E8A**	**KIT-125PF1E8A**	**KIT-140PF1E8A**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,5)	7,1 (3,2 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,5)
EER [1]	Nominal (Min - Max)	W/W	4,44 (5,17 - 4,00) A	3,85 (5,17 - 3,50) A	3,64 (5,97 - 3,02) A	3,84 (4,72 - 3,02) A	4,10 (3,93 - 3,38) A	3,50 (3,93 - 3,04) A	3,25 (3,93 - 2,58) A	3,84 (5,0 - 3,02) A	4,10 (3,93 - 3,38) A	3,50 (3,93 - 3,04) A	3,25 (3,93 - 2,58) A
SEER [2]		**W/W**	**5,70 A+**	**5,70 A+**	**6,10 A++**	**6,40 A++**	**5,80 A+**	–	–	**6,00 A+**	**5,70 A+**	–	–
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	0,81 (0,29 - 1,00)	1,30 (0,29 - 1,60)	1,65 (0,34 - 2,35)	1,85 (0,53 - 2,65)	2,44 (0,84 - 3,70)	3,57 (0,84 - 4,60)	4,31 (0,84 - 6,00)	1,85 (0,64 - 2,65)	2,44 (0,84 - 3,70)	3,57 (0,84 - 4,60)	4,31 (0,84 - 6,00)
Annual energy consumption (ErP) [3]		kWh/a	221	307	344	388	603	–	–	414	614	–	–
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)	8,0 (2,8 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	– / –	7,52 / 7,65	12,04 / 11,20	13,48 / 12,38	14,24 / 12,69	7,52 / 7,65	12,04 / 11,20	13,48 / 12,38	14,24 / 12,69
COP [1]	Nominal (Min - Max)	W/W	4,55 (6,25 - 4,17) A	4,03 (6,25 - 3,71) A	4,00 (6,32 - 3,81) A	3,85 (4,17 - 3,10) A	4,31 (4,56 - 3,18) A	4,02 (4,56 - 3,08) A	3,60 (4,56 - 3,05) A	3,85 (4,83 - 3,10) A	4,31 (4,56 - 3,18) A	4,02 (4,56 - 3,08) A	3,60 (4,56 - 3,05) A
SCOP [5]		**W/W**	**3,90 A**	**3,90 A**	**4,00 A+**	**4,00 A+**	**3,80 A**	–	–	**3,90 A**	**3,80 A**	–	–
Pdesign at -10 °C		kW	3,6	4,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power heating	Nominal (Min - Max)	kW	0,88 (0,24 - 1,20)	1,39 (0,24 - 1,75)	1,75 (0,29 - 2,10)	2,08 (0,48 - 2,90)	2,60 (0,90 - 4,40)	3,48 (0,90 - 5,20)	4,44 (0,90 - 5,90)	2,08 (0,58 - 2,90)	2,60 (0,90 - 4,40)	3,48 (0,90 - 5,20)	4,44 (0,90 - 5,90)
Annual energy consumption (ErP) [3]		kWh/a	1.292	1.436	2.100	2.485	3.684	–	–	2.548	3.684	–	–
Indoor Unit			**S-36PF1E5A**	**S-50PF1E5A**	**S-60PF1E5A**	**S-71PF1E5A**	**S-100PF1E5A**	**S-125PF1E5A**	**S-140PF1E5A**	**S-71PF1E5A**	**S-100PF1E5A**	**S-125PF1E5A**	**S-140PF1E5A**
External static pressure [6]	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)	70 (10 - 150)	100 (10 - 150)	100 (10 - 150)	100 (10 - 150)
Air volume	Hi / Med / Lo	m³/min	14 / 13 /10	16 / 15 / 12	21 / 19 / 15	21 / 19 / 15	32 / 26 / 21	34 / 29 / 23	36 / 32 / 25	21 / 19 / 15	32 / 26 / 21	34 / 29 / 23	36 / 32 / 25
Sound pressure [7]	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	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimensions	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 1.000 x 700	290 x 1.000 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.000 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.400 x 700
Net weight		kg	28	28	33	33	45	45	45	33	45	45	45
Outdoor Unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**	**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	10	13	20	20	25	30	30	3x10 / 1x10	3x13 / 1x10	3x13 / 1x10	3x13 / 1x10
Current	Cooling	A	3,75 / 3,55 / 3,40	6,25 / 5,95 / 5,70	7,90 / 7,50 / 7,25	9,00 / 8,70 / 8,40	11,5 / 11,1 / 10,6	17,0 / 16,4 / 15,8	21,2 / 20,5 / 19,8	3,00 / 2,90 / 2,80	3,95 / 3,75 / 3,65	5,85 / 5,55 / 5,35	7,30 / 6,95 / 6,70
	Heating	A	3,80 / 3,60 / 3,45	6,05 / 5,75 / 5,50	8,50 / 8,15 / 7,80	8,90 / 8,60 / 8,30	11,8 / 11,4 / 11,0	16,0 / 15,4 / 14,9	19,8 / 19,2 / 18,5	3,00 / 2,90 / 2,80	4,05 / 3,85 / 3,75	5,50 / 5,20 / 5,05	6,85 / 6,50 / 6,25
Air volume	Cooling / Heating	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	130 / 110	135 / 120	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98	71	98	98	98
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)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [8]		m	3 – 40 / 30	3 – 40 / 30	3 – 40 / 30	5 – 50 / 30	5 – 75 / 30	5 – 75 / 30	5 – 75 / 30	5 – 50 / 30	5 – 75 / 30	5 – 75 / 30	5 – 75 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 20	30 / 20	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO2 Eq.	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cooling Min – Max	°C	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46	-15 – +46
	Heating Min – Max	°C	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24	-20 – +24

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWSK2 + CZ-RWSC3	Wireless 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
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg)

Accessories	
CZ-56DAF2	Air Outlet Plenum S . .PF1E5A 36, 45 & 50
CZ-90DAF2	Air Outlet Plenum S . .PF1E5A 60 & 71
CZ-160DAF2	Air Outlet Plenum S . .PF1E5A 100, 125 & 140
CZ-DUMPA90MF2	Air Inlet Plenum S . .PF1E5A 60 & 71
CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5A 100, 125 & 140

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a[EER25]+b[EER50]+c[EER75]+d[EER100] where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6)medium External static pressure setting from factory. 7) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 8) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.

PACi STANDARD Low Static Pressure Hide Away Inverter+

			Single Phase				Three Phase		
			6,0 kW	7,1 kW	10,0 kW	12,5 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-60PNY1E5B**	**KIT-71PNY1E5B**	**KIT-100PNY1E5A**	**KIT-125PNY1E5A**	**KIT-100PNY1E8A**	**KIT-125PNY1E8A**	**KIT-140PNY1E8A**
Cooling capacity	Nominal (Min - Max)	kW	6,0 (2,0 - 7,1)	7,1 (2,0 - 7,7)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	14,0 (3,3 - 15,5)
EER [1]	Nominal (Min - Max)	W/W	3,21 (5,00 - 2,78) A	2,76 (5,00 - 2,48) D	2,81 (4,74 - 2,67) C	2,81 (4,00 - 2,60) C	2,81 (4,74 - 2,67) C	2,81 (4,00 - 2,60) C	2,98 (3,93 - 2,58) C
SEER [2]		**W/W**	**4,80 B**	**5,10 A**	**5,30 A**	–	**5,20 A**	–	–
Pdesign		kW	6,0	7,1	10,0	–	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	1,87 (0,40 - 2,55)	2,57 (0,40 - 3,10)	3,56 (0,57 - 4,30)	4,45 (0,95 - 5,20)	3,56 (0,57 - 4,30)	4,45 (0,95 - 5,20)	4,70 (0,84 - 6,00)
Annual energy consumption (ErP) [3]		kWh/a	437	487	660	–	673	–	–
Heating capacity	Nominal (Min - Max)	kW	6,0 (1,8 - 7,0)	7,1 (1,8 - 8,1)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	14,0 (4,1 - 16,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	9,97	10,97	9,97	10,97	13,35
COP [1]	Nominal (Min - Max)	W/W	3,73 (5,14 - 3,78) A	3,70 (5,14 - 3,31) A	3,41 (4,67 - 3,37) B	3,41 (4,36 - 3,26) B	3,41 (4,67 - 3,37) B	3,41 (4,36 - 3,26) B	3,52 (4,56 - 3,08) B
SCOP [5]		**W/W**	**3,80 A**	**3,80 A**	**3,80 A**	–	**3,80 A**	–	–
Pdesign at -10 °C		kW	5,6	5,6	7,6	–	7,6	–	–
Input power heating	Nominal (Min - Max)	kW	1,61 (0,35 - 1,85)	1,92 (0,35 - 2,45)	2,94 (0,45 - 4,10)	3,67 (0,78 - 4,60)	2,94 (0,45 - 4,10)	3,67 (0,78 - 4,60)	3,88 (1,05 - 5,40)
Annual energy consumption (ErP) [3]		kWh/a	2.061	2.061	2.800	–	2.800	–	–
Indoor Unit			**S-60PN1E5A**	**S-71PN1E5A**	**S-100PN1E5A**	**S-125PN1E5A**	**S-100PN1E5A**	**S-125PN1E5A**	**S-140PN1E5A**
External static pressure [6]	Nominal (Min - Max)	Pa	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Cooling / Heating	m³/min	22 / 20 / 16	22 / 20 / 16	36 / 33 / 26	38 / 35 / 28	36 / 33 / 26	38 / 35 / 28	40 / 37 / 30
Sound pressure [7,4]	Hi / Med / Lo	dB(A)	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39
Dimensions [8]	H x W x D	mm	250 x 1.000 x 650	250 x 1.000 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.200 x 650
Net weight		kg	32	32	41	41	41	41	41
Outdoor Unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-125PEY1E5**	**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	20	20	25	30	3x13 / 1x10	3x13 / 1x10	3x16 / 1x10
Current	Cooling	A	8,00 / 7,60 / 7,30	10,70 / 10,30 / 9,85	0,82 / 0,79 / 0,76	19,2 / 18,4 / 17,6	5,10 / 4,85 / 4,70	6,35 / 6,05 / 5,80	6,85 / 6,50 / 6,25
	Heating	A	7,05 / 6,75 / 6,45	8,50 / 8,10 / 7,80	0,81 / 0,78 / 0,75	15,4 / 14,8 / 14,2	4,15 / 3,95 / 3,80	5,15 / 4,90 / 4,70	5,65 / 5,35 / 5,20
Air volume	Cooling / Heating	m³/min	38 / 41	44 / 41	110 / 95	80 / 73	76 / 67	80 / 73	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	46 / 48	49 / 49	52 / 52	56 / 56	54 / 54	56 / 56	54 / 53
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340
Net weight		kg	40	40	73	85	73	85	98
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)
	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)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [9]		m	3 ~ 40 / 30	3 ~ 40 / 30	5 ~ 50 / 30	5 ~ 50 / 30	5 ~ 50 / 30	5 ~ 50 / 30	5 ~ 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 40	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO2 Eq.	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992
Operating range	Cooling Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heating Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWSK2 + CZ-RWSC3

Optional Controller. Simplified remote controller CZ-RE2C2

STANDARD

ELITE

STANDARD AND ELITE

INTERNET CONTROL: Optional. SCOP and SEER: For KIT-100PNY1E5A (Standard) and KIT-100PN1E5A (Elite).
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi ELITE Low Static Pressure Hide Away Inverter+

			Single Phase							Three Phase			
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
KIT			**KIT-36PN1E5B**	**KIT-50PN1E5B**	**KIT-60PN1E5B**	**KIT-71PN1E5A**	**KIT-100PN1E5A**	**KIT-125PN1E5A**	**KIT-140PN1E5A**	**KIT-71PN1E8A**	**KIT-100PN1E8A**	**KIT-125PN1E8A**	**KIT-140PN1E8A**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,5)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,5)
EER [1]	Nominal (Min - Max)	W/W	3,75 (4,41 - 3,57) A	3,21 (4,41 - 2,96) A	3,24 (5,00 - 2,78) A	3,30 (4,55 - 2,91) A	3,75 (3,79 - 3,29) A	3,21 (3,30 - 2,92) A	3,01 (3,30 - 2,50) B	3,30 (3,79 - 2,91) A	3,75 (3,79 - 3,29) A	3,21 (3,30 - 2,92) A	3,01 (3,30 - 2,50) A
SEER [2]		**W/W**	**4,60 B**	**4,60 B**	**5,50 A**	**5,50 A**	**6,00 A+**	–	–	**5,20 A**	**5,80 A+**	–	–
Pdesign		kW	3,6	5,0	6,0	7,1	10,0	–	–	7,1	10,0	–	–
Input power cooling	Nominal (Min - Max)	kW	0,96 (0,34 - 1,12)	1,56 (0,34 - 1,89)	1,85 (0,40 - 2,55)	2,15 (0,55 - 2,75)	2,67 (0,87 - 3,80)	3,89 (1,00 - 4,80)	4,65 (1,00 - 6,20)	2,15 (0,66 - 2,75)	2,67 (0,87 - 3,80)	3,89 (1,00 - 4,80)	4,65 (1,00 - 6,20)
Annual energy consumption (ErP) [3]		kWh/a	274	380	382	452	583	–	–	477	603	–	–
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	– / –	7,52	12,04	13,48	14,24	7,52	12,04	13,48	14,24
COP [1]	Nominal (Min - Max)	W/W	4,30 (5,17 - 4,00) A	3,81 (5,17 - 3,49) A	3,74 (5,14 - 3,64) A	3,54 (4,00 - 3,08) B	3,80 (4,18 - 3,11) A	3,61 (3,90 - 2,96) A	3,41 (3,90 - 2,95) B	3,54 (3,33 - 3,00) B	3,80 (4,18 - 3,11) A	3,61 (3,90 - 2,96) A	3,41 (3,90 - 2,95) B
SCOP [5]		**W/W**	**3,80 A**	**3,80 A**	**3,80 A**	**3,70 A**	**3,90 A**	–	–	**3,70 A**	**3,80 A**	–	–
Pdesign at -10 °C		kW	3,6	3,8	5,6	6,5	10,0	–	–	6,5	10,0	–	–
Input power heating	Nominal (Min - Max)	kW	0,93 (0,29 - 1,25)	1,47 (0,29 - 1,86)	1,87 (0,35 - 2,20)	2,26 (0,50 - 2,92)	2,95 (0,98 - 4,50)	3,88 (1,05 - 5,40)	4,69 (1,05 - 6,10)	2,26 (0,60 - 3,00)	2,95 (0,98 - 4,50)	3,88 (1,05 - 5,40)	4,69 (1,05 - 6,10)
Annual energy consumption (ErP) [3]		kWh/a	1.326	1.478	2.061	2.458	3.590	–	–	2.458	3.684	–	–
Indoor Unit			**S-36PN1E5A**	**S-50PN1E5A**	**S-60PN1E5A**	**S-71PN1E5A**	**S-100PN1E5A**	**S-125PN1E5A**	**S-140PN1E5A**	**S-71PN1E5A**	**S-100PN1E5A**	**S-125PN1E5A**	**S-140PN1E5A**
External static pressure [6]	Nominal (Min - Max)	Pa	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)	50 (10 - 80)
Air volume	Cooling / Heating	m³/min	14 / 12 / 10	16 / 13 / 11	22 / 20 / 16	22 / 20 / 16	36 / 33 / 26	38 / 35 / 28	40 / 37 / 30	22 / 20 / 16	36 / 33 / 26	38 / 35 / 28	40 / 37 / 30
Sound pressure [7]	Hi / Med / Lo	dB(A)	40 / 38 / 35	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39	43 / 41 / 36	44 / 42 / 37	45 / 43 / 38	46 / 44 / 39
Dimensions [8]	H x W x D	mm	250 x 780 x 650	250 x 780 x 650	250 x 1.000 x 650	250 x 1.000 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.000 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.200 x 650
Net weight		kg	29	29	32	32	41	41	41	32	41	41	41
Outdoor Unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**	**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	10	13	20	20	25	25	30	3x10 / 1x10	3x13 / 1x10	3x13 / 1x10	3x13 / 1x10
Current	Cooling	A	3,75 / 3,55 / 3,40	6,25 / 5,95 / 5,70	7,90 / 7,50 / 7,25	9,70 / 9,40 / 9,20	11,6 / 11,2 / 10,9	17,4 / 16,9 / 16,4	20,5 / 20,1 / 19,5	3,25 / 3,10 / 3,00	3,95 / 3,75 / 3,60	5,80 / 5,50 / 5,30	6,95 / 6,60 / 6,35
	Heating	A	3,80 / 3,60 / 3,45	6,05 / 5,75 / 5,50	8,50 / 8,15 / 7,80	10,2 / 9,90 / 9,70	12,8 / 12,5 / 12,2	17,3 / 16,8 / 16,3	20,6 / 20,2 / 19,6	3,35 / 3,20 / 3,10	4,35 / 4,15 / 4,00	5,80 / 5,50 / 5,30	7,00 / 6,65 / 6,45
Air volume	Cooling / Heating	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	130 / 110	135 / 120	60 / 60	110 / 95	130 / 110	135 / 120
Sound pressure	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	53 / 53	54 / 55	48 / 50	52 / 52	53 / 53	54 / 55
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340
Net weight		kg	39	39	40	69	98	98	98	71	98	98	98
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)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
	Gas pipe	Inch (mm)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [9]		m	3 ~ 40 / 30	3 ~ 40 / 30	3 ~ 40 / 30	5 ~ 50 / 30	5 ~ 75 / 30	5 ~ 75 / 30	5 ~ 75 / 30	5 ~ 50 / 30	5 ~ 75 / 30	5 ~ 75 / 30	5 ~ 75 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 20	30 / 20	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO2 Eq.	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992
Operating range	Cooling Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWSK2 + CZ-RWSC3	Wireless 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 (600 x 95 x 130mm, 500kg)
PAW-WPH7	Wind protection shield for U-50PE2E5A
PAW-WPH9	Wind protection shield for U-60PE2E5A, U-71PE1E5A/8A, U-100PEY1E5/8, U-125PEY1E5/8
PAW-WPH10	Wind protection shield for U-100PE1E5A/8A, U-125PE1E5A/8A, U-140PE1E5A/8A, U-140PEY1E8

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a(EER25)+b(EER50)+c(EER75)+d(EER100) where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6)medium External static pressure setting from factory. 7) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 8) Add 100mm for piping port. 9) When installing the outdoor unit at a higher position than the indoor unit. // Recommended fuse for the indoor 3A.

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

PACi Kits

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWSK2

Optional Controller. Simplified remote controller CZ-RE2C2

STANDARD

ELITE

STANDARD AND ELITE

INTERNET CONTROL: Optional. SCOP and SEER: For KIT-100PKY1E5A (Standard) and KIT-60PK1E5B (Elite).
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

PACi STANDARD Wall Mounted Inverter+

			Single Phase			Three Phase
			6,0 kW	7,1 kW	10,0 kW	10,0 kW
KIT			**KIT-60PKY1E5B**	**KIT-71PKY1E5B**	**KIT-100PKY1E5A**	**KIT-100PKY1E8A**
Cooling capacity	Nominal (Min - Max)	kW	6,0 (2,0 - 7,1)	7,1 (2,0 - 7,7)	9,0 (2,7 - 9,7)	9,0 (2,7 - 9,7)
EER [1]	Nominal (Min - Max)	W/W	3,53 (6,67 - 3,09) A	2,90 (6,67 - 2,61) C	2,67 (5,09 - 2,55) D	2,67 (5,09 - 2,55) D
SEER [2]		**W/W**	**5,50 A**	**5,20 A**	**5,80 A+**	**5,70 A+**
Pdesign		kW	6,0	7,1	9,0	9,0
Input power cooling	Nominal (Min - Max)	kW	1,70 (0,30 - 2,35)	2,45 (0,30 - 2,95)	3,37 (0,53 - 3,80)	3,37 (0,53 - 3,80)
Annual energy consumption (ErP) [3]		kWh/a	382	478	543	553
Heating capacity	Nominal (Min - Max)	kW	6,0 (1,8 - 7,0)	7,1 (1,8 - 8,1)	9,0 (2,1 - 10,5)	9,0 (2,1 - 10,5)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	9,97 / 8,43	9,97 / 8,43
COP [1]	Nominal (Min - Max)	W/W	4,14 (9,00 - 4,12) A	4,08 (9,00 - 3,60) A	3,70 (5,12 - 3,50) A	3,70 (5,12 - 3,50) A
SCOP [5]		**W/W**	**3,90 A**	**3,90 A**	**3,80 A**	**3,80 A**
Pdesign at -10 °C		kW	6,0	6,0	9,0	9,0
Input power heating	Nominal (Min - Max)	kW	1,45 (0,20 - 1,70)	1,74 (0,20 - 2,25)	2,43 (0,41 - 3,00)	2,43 (0,41 - 3,00)
Annual energy consumption (ErP) [3]		kWh/a	2.153	2.151	3.316	3.316
Indoor Unit			**S-60PK1E5A**	**S-71PK1E5A**	**S-100PK1E5A**	**S-100PK1E5A**
Air volume	Hi / Med / Lo	m³/min	18,0 / 14,5 / 11,5	18,0 / 14,5 / 11,5	19,0 / 16,5 / 13,0	19,0 / 16,5 / 13,0
Sound pressure [6]	Hi / Med / Lo	dB(A)	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41	49 / 45 / 41
Dimensions	H x W x D	mm	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230
Net weight		kg	14,5	14,5	14,5	14,5
Outdoor Unit			**U-60PEY2E5**	**U-71PEY2E5**	**U-100PEY1E5**	**U-100PEY1E8**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415
Recommended fuse		A	20	20	25	3x13 / 1x10
Current	Cooling	A	8,00 / 7,60 / 7,30	10,70 / 10,30 / 9,85	16,0 / 15,3 / 14,8	5,45 / 5,20 / 5,05
	Heating	A	7,05 / 6,75 / 6,45	8,50 / 8,10 / 7,80	13,0 / 12,5 / 12,1	4,45 / 4,25 / 4,10
Air volume	Cooling / Heating	m³/min	38 / 41	44 / 41	76 / 67	76 / 67
Sound pressure	Cooling / Heating (Hi)	dB(A)	46 / 48	49 / 49	54 / 54	54 / 54
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340
Net weight		kg	40	40	73	73
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)
Piping length range / Elevation difference (in/out) [7]		m	3 ~ 40 / 30	3 ~ 40 / 30	5 - 50 / 30	5 - 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 40	30 / 40	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO_2 Eq.	1,95 / 4,0716	1,95 / 4,0716	2,60 / 5,4288	2,60 / 5,4288
Operating range	Cooling Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 / +43	-10 / +43
	Heating Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 / +24	-15 / +24

PACi ELITE Wall Mounted Inverter+

			Single Phase					Three Phase	
			3,6 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	7,1 kW	10,0 kW
KIT			**KIT-36PK1E5B**	**KIT-50PK1E5B**	**KIT-60PK1E5B**	**KIT-71PK1E5A**	**KIT-100PK1E5A**	**KIT-71PK1E8A**	**KIT-100PK1E8A**
Cooling capacity	Nominal (Min - Max)	kW	3,6 (1,5 - 4,0)	5,0 (1,5 - 5,6)	6,0 (2,0 - 7,1)	7,1 (2,5 - 8,0)	9,5 (3,3 - 10,5)	7,1 (3,2 - 8,0)	9,5 (3,3 - 10,5)
EER [1]	Nominal (Min - Max)	W/W	4,56 (6,25 - 4,30) A	3,57 (6,25 - 3,26) A	3,57 (6,67 - 3,02) A	3,40 (5,56 - 3,02) A	3,25 (3,93 - 3,09) A	3,40 (5,71 - 3,02) A	3,25 (3,93 - 3,09) A
SEER [2]		**W/W**	**6,30 A++**	**6,10 A++**	**6,60 A++**	**6,60 A++**	**6,20 A++**	**6,10 A++**	**6,00 A+**
Pdesign		kW	3,6	5,0	6,0	7,1	9,5	7,1	9,5
Input power cooling	Nominal (Min - Max)	kW	0,79 (0,24 - 0,93)	1,40 (0,24 - 1,72)	1,68 (0,30 - 2,35)	2,09 (0,45 - 2,65)	2,92 (0,84 - 3,40)	2,09 (0,56 - 2,65)	2,92 (0,84 - 3,40)
Annual energy consumption (ErP) [3]		kWh/a	200	287	318	376	536	407	554
Heating capacity	Nominal (Min - Max)	kW	4,0 (1,5 - 5,0)	5,6 (1,5 - 6,5)	7,0 (1,8 - 8,0)	8,0 (2,0 - 9,0)	9,5 (4,1 - 11,5)	8,0 (2,8 - 9,0)	9,5 (4,1 - 11,5)
Heating capacity at -7/-15 °C [4]		kW	– / –	– / –	– / –	7,52 / 7,65	12,04 / 11,20	7,52 / 7,65	12,04 / 11,20
COP [1]	Nominal (Min - Max)	W/W	4,65 (7,89 - 4,20) A	3,76 (7,89 - 3,39) A	4,02 (9,00 - 3,90) A	3,76 (5,00 - 3,10) A	3,85 (4,56 - 3,43) A	3,76 (5,60 - 3,10) A	3,85 (4,56 - 3,43) A
SCOP [5]		**W/W**	**4,20 A+**	**4,00 A+**	**4,00 A+**	**3,90 A**	**3,80 A**	**3,80 A**	**3,80 A**
Pdesign at -10 °C		kW	3,6	5,0	6,0	7,1	9,5	7,1	9,5
Input power heating	Nominal (Min - Max)	kW	0,86 (0,19 - 1,19)	1,49 (0,19 - 1,92)	1,74 (0,20 - 2,05)	2,13 (0,40 - 2,90)	2,47 (0,90 - 3,35)	2,13 (0,50 - 2,90)	2,47 (0,90 - 3,35)
Annual energy consumption (ErP) [3]		kWh/a	1.200	1.749	2.101	2.548	3.500	2.616	3.500
Indoor Unit			**S-36PK1E5A**	**S-50PK1E5A**	**S-60PK1E5A**	**S-71PK1E5A**	**S-100PK1E5A**	**S-71PK1E5A**	**S-100PK1E5A**
Air volume	Hi / Med / Lo	m³/min	11,0 / 9,5 / 7,5	14,0 / 12,0 / 10,5	18,0 / 14,5 / 11,5	18,0 / 14,5 / 11,5	19,0 / 16,5 / 13,0	18,0 / 14,5 / 11,5	19,0 / 16,5 / 13,0
Sound pressure [6]	Hi / Med / Lo	dB(A)	35 / 31 / 27	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	49 / 45 / 41	47 / 44 / 40	49 / 45 / 41
Dimensions	H x W x D	mm	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230
Net weight		kg	13,0	13,0	14,5	14,5	14,5	14,5	14,5
Outdoor Unit			**U-36PE2E5A**	**U-50PE2E5A**	**U-60PE2E5A**	**U-71PE1E5A**	**U-100PE1E5A**	**U-71PE1E8A**	**U-100PE1E8A**
Power source		V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	380 / 400 / 415	380 / 400 / 415
Recommended fuse		A	10	13	20	20	25	3x10 / 1x10	3x13 / 1x10
Current	Cooling	A	3,75 / 3,55 / 3,40	6,25 / 5,95 / 5,70	7,90 / 7,50 / 7,25	9,70 / 9,40 / 9,20	11,6 / 11,2 / 10,9	3,25 / 3,10 / 3,00	3,95 / 3,75 / 3,60
	Heating	A	3,80 / 3,60 / 3,45	6,05 / 5,75 / 5,50	8,50 / 8,15 / 7,80	10,2 / 9,90 / 9,70	12,8 / 12,5 / 12,2	3,35 / 3,20 / 3,10	4,35 / 4,15 / 4,00
Air volume	Cooling / Heating	m³/min	38 / 38	38 / 41	38 / 41	60 / 60	110 / 95	60 / 60	110 / 95
Sound pressure	Cooling / Heating (Hi)	dB(A)	45 / 46	46 / 48	46 / 49	48 / 50	52 / 52	48 / 50	52 / 52
Dimensions	H x W x D	mm	619 x 799 x 299	619 x 799 x 299	619 x 799 x 299	996 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340
Net weight		kg	39	39	40	69	98	71	98
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 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Piping length range / Elevation difference (in/out) [7]		m	3 ~ 40 / 30	3 ~ 40 / 30	3 ~ 40 / 30	5 - 50 / 30	5 - 75 / 30	5 - 50 / 30	5 - 75 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 20	30 / 20	30 / 40	30 / 50	30 / 50	30 / 50	30 / 50
Refrigerant (R410A)		kg / TCO_2 Eq.	1,40 / 2,9232	1,40 / 2,9232	1,95 / 4,0716	2,35 / 4,9068	3,40 / 7,0992	2,35 / 4,9068	3,40 / 7,0992
Operating range	Cooling Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWSK2	Wireless 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 (600 x 95 x 130mm, 500kg)
PAW-WPH7	Wind protection shield for U-50PE2E5A
PAW-WPH9	Wind protection shield for U-60PE2E5A, U-71PE1E5A/8A, U-100PEY1E5/8, U-125PEY1E5/8
PAW-WPH10	Wind protection shield for U-100PE1E5A/8A, U-125PE1E5A/8A, U-140PE1E5A/8A, U-140PEY1E8
PAW-PACR3	Interfaces to run 3 units on Backup and alternative run

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) SEER is calculated in base Eurovent IPLV for SBEM for U1 indoor unit SEER=a[EER25]+b[EER50]+c[EER75]+d[EER100] where EER25, EER50, EER75 and EER100 are the EER measured value at 25 %, 50 %, 75 % and 100 % part load for temperatures 20, 25, 30 and 35 °C DB, respectively. a, b, c and d are values assigned for an office type. These values are given as a=0,2, b=0,36, c=0,32 and d=0,03. The internal temperatures are taken at 27 °C DB and 19 °C WB. 3) The annual consumption (ErP) is calculated by formula determined by ErP regulation. 4) Heating capacity is calculated including defrost factor correction. 5) SCOP is calculated in base Eurovent IPLV for SBEM with U1 indoor unit including defrost correction factor. 6) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 8/C/006-97 specification.
7) 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)

REMOTE CONTROLLER WITH ECONAVI

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

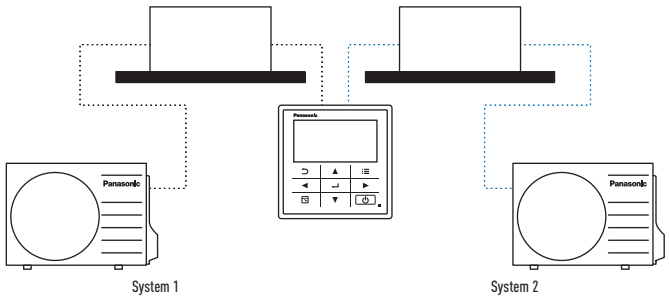
Key Functions

- Easy setup of the timer and settings of the indoor unit
- Energy consumption display (only available with PACi units with the reference ending with A)
- Limitation of the energy consumption (Demand control) by timer.

Backup control by using CZ-RTC5A

Group wiring of 2 systems of PACi can do auto individual control.

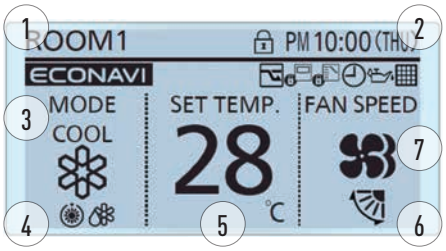
- Rotation operation
- Backup operation
- Support operation



System 1 System 2

Basic function (Operation display & indication)

All functions are easily available on the remote controller.



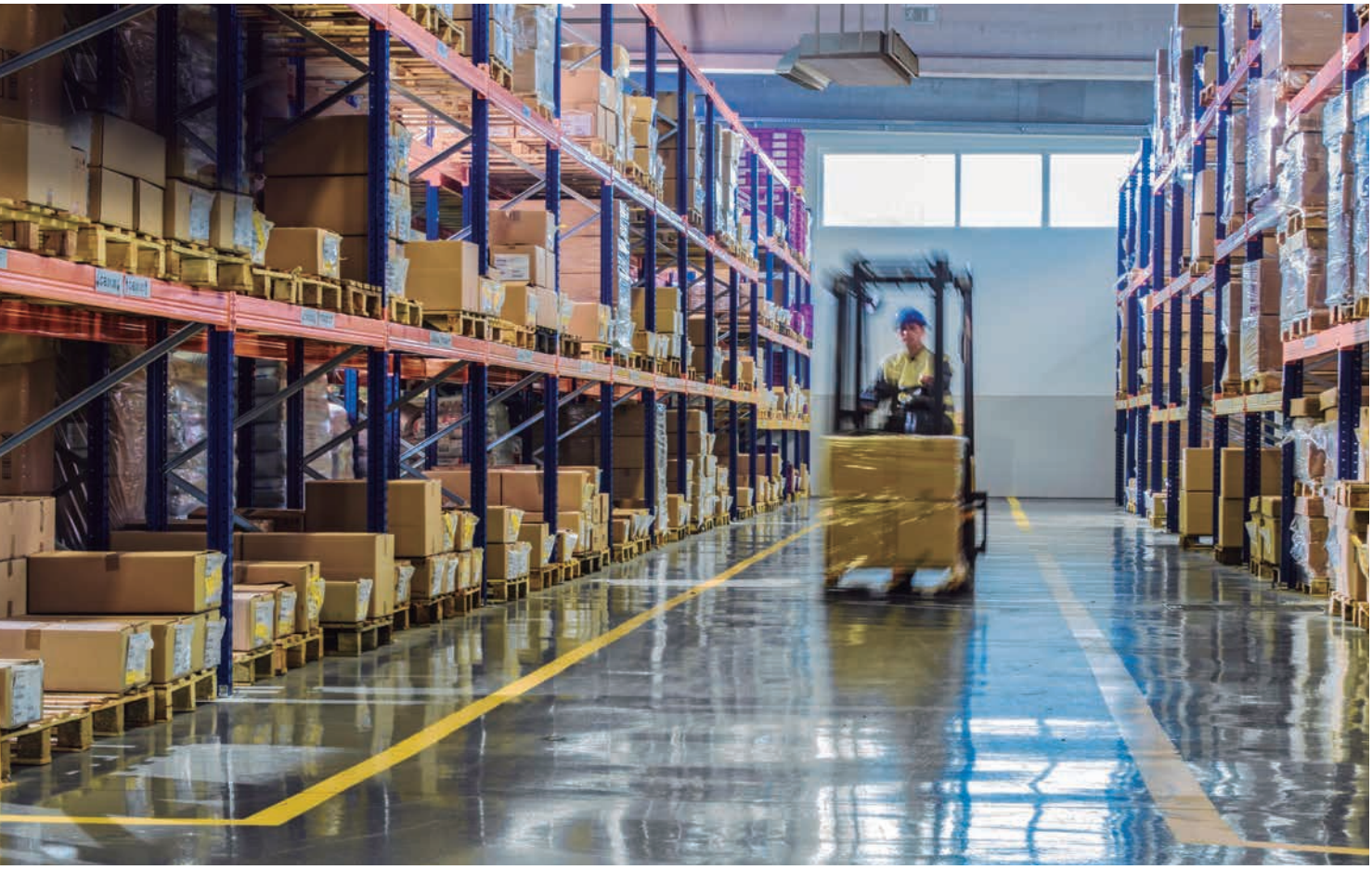
1. Name of the room (Max.16 characters)
2. Time & Day of the week
3. Mode: Hot / Cool / Dry / Fan Auto
4. Status: Heating stand-by / Defrost operation / Stand-by (GHP system)
5. Set temperature
6. Flap setting
7. Fan speed: H / M / L / Auto

Functions available on the CZ-RTC5A

Control item	Controllability	Indoor Units	
		PACi Standard	Only PACi Elite
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	–	✔
	Energy monitoring	–	✔
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	–	✔
	Prohibit setting control from Central controller	✔	✔

All specifications subject to change without notice.

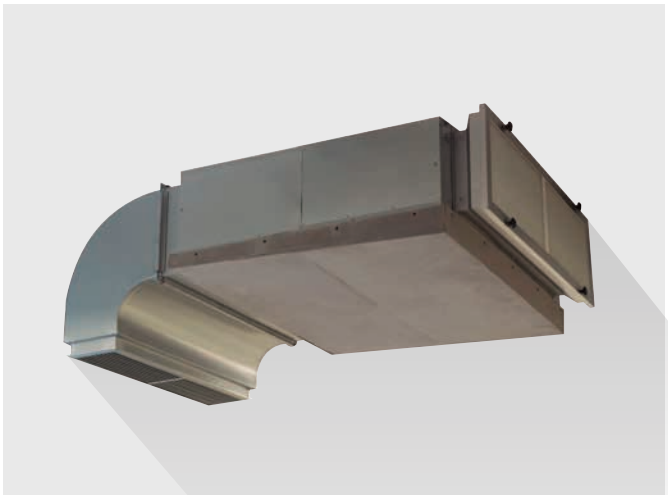
SOLUTIONS FOR INDUSTRIES, WAREHOUSES, GARAGES AND BUS DEPOTS



Solutions for industries, warehouses, garages and bus depots
Ducted indoor unit 20-31,5 kW

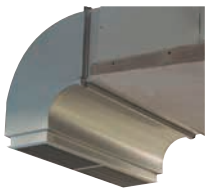
- Downward air flow rate of up to 8m
- Super quiet (from 38 to 43dB)
- EC fan motor for extremely high efficiency
- Outlet plenum angled through 90 degrees (PAW-DUMPAPE2ME2)
- Air flow direction louvres help to disperse the air as required
- Easy to install

Panasonic has developed the new 90 degree plenum, which can be adjusted to S-200PE2E5 and S-250PE2E5 in order to drive the air downward and efficiently heat large premises.



System example.

An inspection door (minimum 450 x 450mm) is required on the underside of the indoor unit. Air diffuser (to be acquired locally).



Plenum angled through 90 degrees

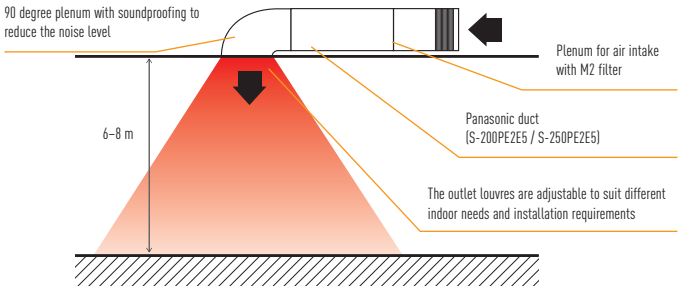
+

S-200PE2E5 / S-250PE2E5

+

Outlet plenum with M1 filter

- Inverter system with high efficiency
- Maximum pipe length 100m (more than 40 % longer than other split systems)
- Multifunctional remote control with integrated temperature adjustment
- Fresh air supply (possible to connect fresh air from ventilation system)



Energy efficiency and ecology.

- Inverter system with highest efficiency
- Environmentally friendly refrigerant R410A

Comfort.

- Cooling operation even at low outdoor temperatures (down to -15 °C)
- Heating operation even at low outdoor temperatures
- For the thermal probe there is a placement choice of either the indoor unit or the wired remote control

Easy to use.

- Weekly program (six settings per day and 42 per week)
- Selection of wired, wireless and simplified remote control devices

Easy installation and maintenance service.

- Units with high static pressure are ideal for large premises

Outstanding SCOP and SEER values

Panasonic has extremely high SCOP and SEER values according to the SBEM labelling method (certain other manufacturers may use other unofficial calculation methods). SBEM (Simplified Building Energy Modell), developed by BRE, is the basis for building energy calculations for other properties than private households. It is based on the national calculation method (NCM) and is used to determine the compliance of Part L of the building regulations and for energy certification.

The guidelines "Non-Domestic Building Services Compliance Guide" gives information about different aspects of the calculation methods, including heat pumps (section 3) and comfort cooling (section 9).

SCOP - Seasonal Coefficient Of Performance				
COP under partial load	25 %	50 %	75 %	100 %
Ambient conditions	15 °C	7 °C	1 °C	-5 °C
Weighting factor	0,20 (a)	0,36 (b)	0,32 (c)	0,12 (d)

Winter temperatures in the UK: -5 °C DB (outdoor) and 20 °C WB (indoor)

SEER - Seasonal Energy Efficiency Rating				
COP under partial load	25 %	50 %	75 %	100 %
Ambient conditions	20 °C	25 °C	30 °C	35 °C
Weighting factor	0,20 (a)	0,36 (b)	0,32 (c)	0,12 (d)

Summer temperatures in the UK: 21 °C DB (outdoor) and 16 °C WB (indoor)

The calculation of SEER corresponds to the following conditions, but input power to the indoor units is not included.
- Indoor temperature: 27 °C DB/19 °C WB
- Conditions for outdoor air temperature

Conditions under partial load	25 %	50 %	75 %	100 %
Outdoor air temperature (°C DB)	20	25	30	35
Weighting coefficients	0,23	0,41	0,33	0,03

- Formula: 0.23 x $EER_{25\,\%}$ + 0.41 x $EER_{50\,\%}$ + 0.33 x $EER_{75\,\%}$ + 0.03 x $EER_{100\,\%}$.

PACi Kits

PACi High Static Pressure Hide Away 20,0-25,0 kW Inverter+

			Three Phase	
			25,0 kW	31,5 kW
KIT			**KIT-200PE2E5B**	**KIT-250PE2E5B**
Cooling capacity	Nominal (Min - Max)	kW	19,50 (5,40 - 22,40)	25,00 (6,30 - 28,00)
EER [1]		W/W	3,11 B	2,91 C
Input power cooling		kW	5,97	8,04
Heating capacity	Nominal (Min - Max)	kW	22,40 (5,60 - 25,00)	28,00 (7,10 - 31,50)
Heating capacity at -7 °C [2]		kW	20,00	25,20
Heating capacity at -15 °C [2]		kW	17,00	21,42
COP [1]		W/W	3,54 B	3,64 A
Input power heating		kW	6,02	7,14
Indoor Unit			**S-200PE2E5**	**S-250PE2E5**
Power source		V / ph / Hz	220 - 230 - 240 / 1 / 50	220 - 230 - 240 / 1 / 50
External static pressure at shipment (with booster cable)		Pa	60 - 140 - 270	72 - 140 - 270
Air volume	Hi / Med / Lo	m^3/min	56,0 / 51,0 / 44,0	72,0 / 63,0 / 53,0
Sound pressure [3]	Hi / Med / Lo	dB(A)	43 / 41 / 38	47 / 45 / 42
Dimensions / Net weight	H x W x D	mm / kg	479 x 1.453 x 1.205 / 100	479 x 1.453 x 1.205 / 104
Outdoor Unit			**U-200PE2E8A**	**U-250PE2E8A**
Power source		V / ph / Hz	380 - 400 - 415 / 3 / 50	380 - 400 - 415 / 3 / 50
Recommended fuse		A	3x20 / 1x10	3x20 /1x10
Air volume	Cooling / Heating	m^3/min	164,0	160,0
Sound pressure [3]	Cooling / Heating (Hi)	dB(A)	60 / 62	61 / 63
Dimensions [4] / Net weight	H x W x D	mm / kg	1.500 x 980 x 370 / 127	1.500 x 980 x 370 / 138
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	3/8 (9,52) / 1 (25,4)	1/2 (12,7) / 1 (25,4)
Piping length range / Elevation difference (in/out) [5]		m	5 ~ 120 / 30	5 ~ 120 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	30 / 50	30 / 80
Refrigerant (R410A)		kg / TCO_2 Eq.	5,60 / 11,6928	6,40 / 13,3632
Operating range	Cooling Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heating Min ~ Max	°C	-20 ~ +24	-20 ~ +24

Accessories	
CZ-RTC4	Standard Wired remote controller with Econavi
CZ-RWSK2 + CZ-RWSC3	Wireless remote controller
CZ-RE2C2	Simplified remote controller
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm

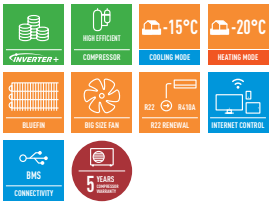
Accessories	
PAW-WPH8	Wind protection shield for U-200PE2E8A and U-250PE2E8A
CZ-TREMIESPW706	Air Outlet Plenum (suitable for rigid + flexible duct) for S-250PE2E5
CZ-TREMIESPW705	Air Outlet Plenum (suitable for rigid + flexible duct) for S-200PE2E5
PAW-DUMPAPE2ME2	Outlet plenum angled through 90 degrees

1) COP and EER, Energy Saving Classification, is at 220 / 240V (380 / 415V) only in accordance with EU directive 2002/31/EC. 2) Heating capacity is calculated including defrost factor correction. 3) The Sound pressure of the units shows the value measured of a position 1 m in front of the main body and 1,5 m from the ground. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 4) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 5) When installing the outdoor unit at a higher position than the indoor unit.

Optional Controller. Timer remote controller CZ-RTC4

Optional Controller. Wireless remote controller CZ-RWSK2 + CZ-RWSC3

Optional Controller. Simplified remote controller CZ-RE2C2



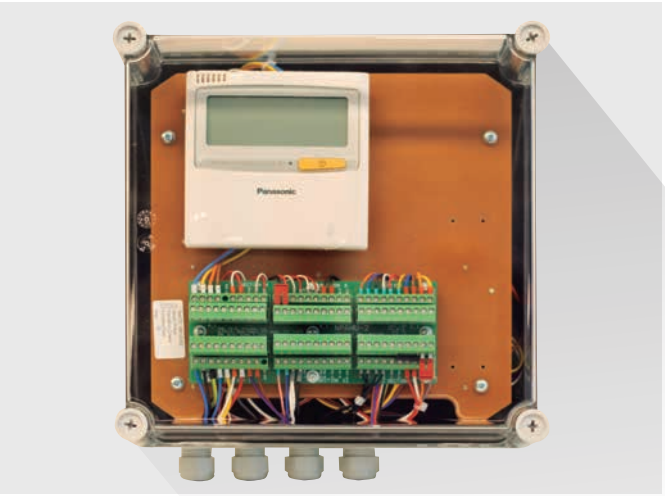
INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

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

CONNECTION TO AIR HANDLING SYSTEM

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***
PACi	**PAW-280PAH2M**	Yes	Yes
VRF	**PAW-160MAH2M**	Yes	Yes
	PAW-280MAH2M	Yes	Yes
	PAW-560MAH2M	Yes	Yes

* 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.

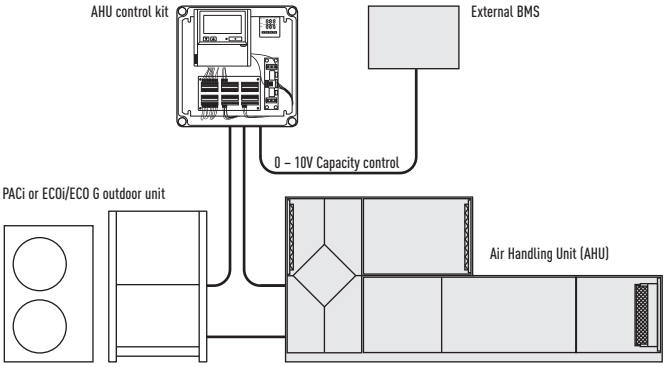
Technical focus

- Maximum capacity: 60 HP (168 kW)
- Maximum piping length: 180m
- Maximum total piping length: 210m
- Height difference (outdoor unit-indoor unit): 50m (outdoor unit uppermost)
- Height difference (indoor unit-indoor unit): 4m
- Proportion between in/out capacity: 20~100 % with up to 2 indoor units*
- Proportions for heating operation: outdoor temperature -25 to 15.5 °C
- Suitable operation temperature at the unit intake: for cooling operation: 15~24 °C / for heating operation: 10~30 °C

* Can be controlled simultaneously by a remote control unit.

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

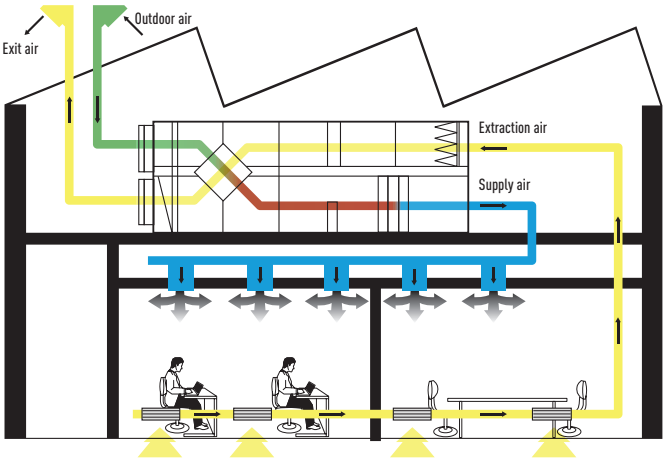
Complete control box with each control device.



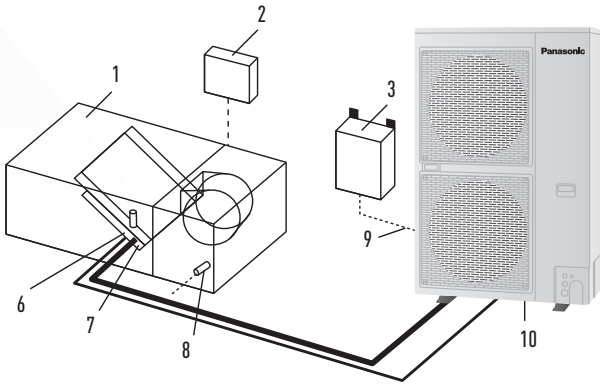
Demand control on the outdoor unit managed by external 0–10 V signal.

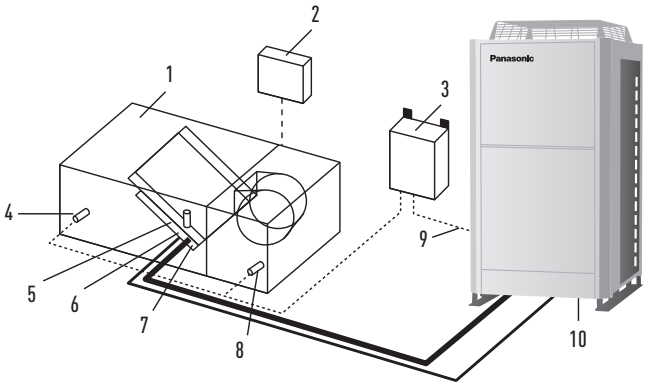
Main parts in a mechanical ventilation system

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	Piping 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	404 x 425 x 78	5 to 30	10
PAW-280PAH2M+PAW-280PAH2M	50,0	56,0	2,280 / 8,880	404 x 425 x 78	5 to 30	10

Airhandling units / system combinations			Pipelength	Height elevation	Airflow cooling Low / High		
Capacity cooling [kW]	Combination outdoor units	AHU-kit	Min/Max m	m	[m³/h]	[l/sec]	[m³/sec]
3,6	U-36PE2E5A	PAW-280PAH2M	5 to 30	10	430 / 650	119 / 180	
5,0	U-50PE2E5	PAW-280PAH2M	5 to 30	10	480 / 780	133 / 217	
6,0	U-60PE2E5A	PAW-280PAH2M	5 to 30	10	540 / 960	150 / 267	
7,5	U-71PE1E5 / U-71PE1E8A	PAW-280PAH2M	5 to 30	10	720 / 1500	200 / 417	0,2 / 0,42
10,0	U-100PE1E8A	PAW-280PAH2M	5 to 30	10	840 / 1980	233 / 550	0,23 / 0,55
12,5	U-125PE1E8A	PAW-280PAH2M	5 to 30	10	1140 / 2100	317 / 583	0,32 / 0,58
14,0	U-140PE1E8A	PAW-280PAH2M	5 to 30	10			
20,0	U-200PE1E8A	PAW-280PAH2M	5 to 30	10	1680 / 3960	467 / 1100	0,47 / 1,1
25,0	U-250PE1E8A	PAW-280PAH2M	5 to 30	10	2280 / 4440	633 / 1233	0,63 / 1,23
50,0	U-250PE1E8A + U-250PE1E8A	PAW-280PAH2M + PAW-280PAH2M	5 to 30	10	2280 / 8880	633 / 2470	0,63 / 2,47

AHU Connection Kit

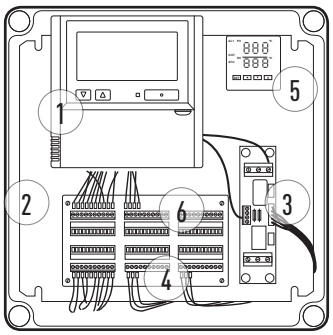
AHU kit
PCB, power transformer, terminal block

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

Interface for connection to Modbus
PAW-RC2-MBS-1: For control of one unit via AHU kit with Mobus. 0-10V control is included.

Interface for connection to Modbus
PAW-RC2-MBS-4: For control of four units via AHU kit with Mobus. 0-10V control distributed per AHU control included.

Interface for connection to KNX
PAW-RC-KNX-1i: For control of one unit via AHU kit with KNX.

Accessories

PAW-GRDSTD40
Ground stand for PACi; height 400 mm, length 900 mm, width 400 mm.

PAW-WTRAY
Condensation water drip tray by Mangelis for PAW-GRDSTD40 ground stand with 4 m heating cable including 3 °C thermostat.

PAW-GRDBSE20
2 Ground elevation of SBE; height 200 mm, length 600 mm.

PAW-WPH7
Weather protection for U-50PE2E5A.

PAW-WPH8
Weather protection for U-200PE2E8A and U-250PE2E8A.

PAW-WPH9
Weather protection for U-60PE2E5A, U-71PE1E5/8, U-100PEY1E5/8, U-125PEY1E5/8.

PAW-WPH10
Weather protection for U-100PE1E5/8, U-125PE1E5/8, U-140PE1E5/8, U-140PEY1E8.

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.

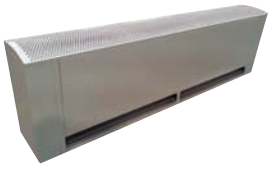
AIR CURTAIN WITH DX COIL

Air Curtain with DX Coil

HP			4 HP	6 HP	8 HP	4 HP	8 HP
Air Curtain			**PAW-10PAIRC-MJ**	**PAW-15PAIRC-MJ**	**PAW-20PAIRC-MJ**	**PAW-10PAIRC-MS**	**PAW-20PAIRC-MS**
Air Flow type			**Jet-Flow**			**Standard**	
Air Flow length (A)		m	1,0	1,5	2,0	1,0	2,0
Air volume	High / Medium / Low	m^3/min	30,0 / 25,0 / 20,0	45,0 / 38,3 / 31,7	60,0 / 50,0 / 41,7	30,0 / 25,0 / 20,0	45,0 / 38,3 / 31,7
Cooling capacity [1]		kW	9,2	17,5	23,1	9,2	17,5
Heating capacity with air in 20 °C, air out 40 °C / 35 °C / 30 °C		kW	11,9 / 8,9 / 5,9	17,9 / 13,4 / 8,9	23,9 / 17,9 / 11,9	11,9 / 8,9 / 5,9	17,9 / 13,4 / 8,9
Max installation height	Good / Normal / Bad	m	3,5 / 3,1 / 2,7	3,5 / 3,1 / 2,7	3,5 / 3,1 / 2,7	3,0 / 2,7 / 2,4	3,0 / 2,7 / 2,4
Refrigerant			R410A	R410A	R410A	R410A	R410A
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)	3/4 (19,05)	7/8 (22,22)	5/8 (15,88)	7/8 (22,22)
Fan			230 V / 50Hz / 1 / N / PE	230 V / 50Hz / 1 / N / PE	230 V / 50Hz / 1 / N / PE	230 V / 50Hz / 1 / N / PE	230 V / 50Hz / 1 / N / PE
Fan type			EC	EC	EC	EC	EC
Currency	High / Med / Low	A	2,1 / 0,8 / 0,3	2,8 / 1,1 / 0,4	4,2 / 1,6 / 0,6	2,1 / 0,8 / 0,3	4,2 / 1,6 / 0,6
Electrical Consumption	High / Med / Low	kW	0,44 / 0,17 / 0,06	0,59 / 0,23 / 0,08	0,89 / 0,34 / 0,12	0,44 / 0,17 / 0,06	0,89 / 0,34 / 0,12
Protecting Fuse		A	M16A	M16A	M16A	M16A	M16A
Noise		dB(A)	40-55	40-56	40-57	40-55	40-57
Dimensions / Weight	W x H x D	mm / kg	1.210 x 260 x 590 / 70	1.710 x 260 x 590 / 100	2.210 x 260 x 590 / 138	1.210 x 260 x 490 / 60	2.210 x 260 x 490 / 128

PACi Elite with air out 40 °C	U-100PE1E5A/8A	U-140PE1E5A/8A	U-200PE2E8A	U-100PE1E5A/8A	U-140PE1E5A/8A
PACi Standard with air out 40 °C	U-100PEY1E5/8	–	–	U-100PEY1E5/8	–
PACi Elite with air out 35 °C	U-71PE1E5A/8A	U-100PE1E5A/8A	U-140PE1E5A/8A	U-71PE1E5A/8A	U-100PE1E5A/8A
PACi Standard with air out 35 °C	U-100PEY1E5/8	U-100PEY1E5/8	–	U-100PEY1E5/8	U-100PEY1E5/8
PACi Elite with air out 30 °C	U-50PE2E5A	U-100PE1E5A/8A	U-100PE1E5A/8A	U-50PE2E5A	U-100PE1E5A/8A
PACi Standard with air out 30 °C	U-60PEY2E5	U-100PEY1E5/8	U-100PEY1E5/8	U-60PEY2E5	U-100PEY1E5/8

All combinations under rated conditions: Heating Outdoor +7 °C DB/+6 °C WB Indoor +20 °C DB. In case of lower outdoor temperatures a higher capacity outdoor unit model may be necessary. 1) Rated Conditions Cooling Outdoor +35 °C DB Indoor +27 °C DB/+19 °C WB, Discharge temperature ³ 16 °C.



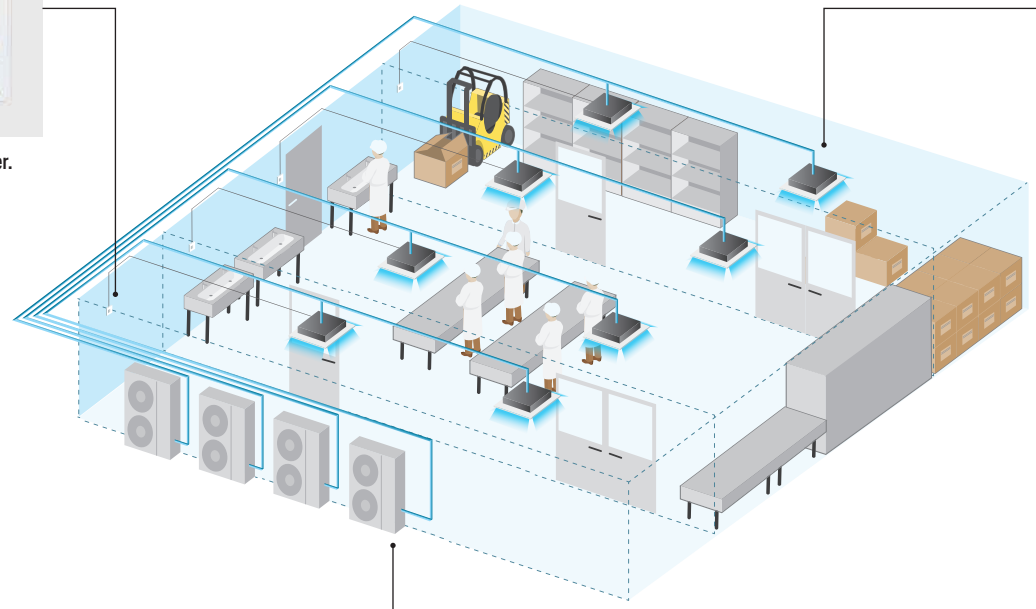
Rating Conditions: Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. (DB: Dry Bulb; WB: Wet Bulb)
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu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

PANASONIC PACi ELITE CAN COOL ROOMS DOWN TO 8 °C

Solutions for refrigeration rooms. Set the room temperature to 8 °C

There is a complete range, from 3,6 to 23,2 kW. 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-RTC5



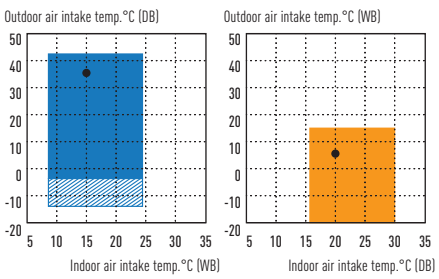
Wide range of indoor units.
To meet your company's needs

PACi outdoor unit.
PACi, the next generation of newly 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 ranked top class within the industry.

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



Only allowed after installation of wind and snow vents

● Area where cooling and heating capacity is established for this purpose

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 ...

HIGH HEATING EFFICIENCY AT LOW OUTDOOR TEMPERATURES

Application	Single						Twin		
Cooling capacity	4,9 kW	6,9 kW	9,3 kW	11,6 kW	13,6 kW	18,5 kW	13,6 kW	18,5 kW	23,2 kW
PACi outdoor units	U-50PE2E5A	U-71PE1E5A U-71PE1E8A	U-100PE1E5A U-100PE1E8A	U-125PE1E5A U-125PE1E8A	U-140PE1E5A U-140PE1E8A	U-200PE1E8	U-140PE1E5A U-140PE1E8A	U-200PE1E8	U-250PE1E8
									
PACi indoor units									
	S-71PKE5A	S-100PKE5A					S-100PKE5A + S-100PKE5A		
	S-71PU2E5A	S-125PU2E5A	S-140PU2E5A	S-140PU2E5A			S-100PU2E5A + S-100PU2E5A	S-125PU2E5A + S-125PU2E5A	S-140PU2E5A + S-140PU2E5A
	S-71PF1E5A	S-125PF1E5A	S-140PF1E5A	S-140PF1E5A			S-100PF1E5A + S-100PF1E5A	S-125PF1E5A + S-125PF1E5A	S-140PF1E5A + S-140PF1E5A
	S-71PT2E5A	S-125PT2E5A	S-140PT2E5A	S-140PT2E5A			S-100PT2E5A + S-100PT2E5A	S-125PT2E5A + S-125PT2E5A	S-140PT2E5A + S-140PT2E5A
					S-200PE2E5	S-250PE2E5			

PACi Single, Twin, Triple and Double-Twin System

With this system, a single outdoor unit can split capacity for up to 4 indoor areas simultaneously. This makes the system particularly apt for common areas. It reduces noise concentration and enables the same temperature to be reached around the room. A mix of indoor units can be installed (wall, cassette, duct, ceiling) in one system.

Compatible Indoor Units				3,6 kW	4,5 kW	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW
	Capacity for all indoor units	Cooling	kW	3,6	4,5	5,0	6,0	7,1	10,0	12,5	14,0
		Heating	kW	4,2	5,2	5,6	7,0	8,0	11,2	14,0	14,0
	**Wall**			**S-36PK1E5A**	**S-45PK1E5A**	**S-50PK1E5A**	**S-60PK1E5A**	**S-71PK1E5A**	**S-100PK1E5A**		
	Dimensions	H x W x D	mm	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230		
	Sound pressure	Hi / Med / Lo	dB(A)	35 / 31 / 27	38 / 34 / 30	40 / 36 / 32	47 / 44 / 40	47 / 44 / 40	47 / 44 / 40		
	Air volume	Hi / Med / Lo	m³/min	11,0 / 9,5 / 7,5	12,0 / 10,5 / 8,5	14,0 / 12,0 / 10,5	18,0 / 14,5 / 11,5	18,0 / 14,5 / 11,5	19,0 / 16,5 / 13,0		
	**4 Way 60x60 Cassette**			**S-36PY2E5A**	**S-45PY2E5A**	**S-50PY2E5A**					
	Panel			**CZ-KPY3A / CZ-KPY3B**	**CZ-KPY3A / CZ-KPY3B**	**CZ-KPY3A / CZ-KPY3B**					
	Dimensions H x W x D	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583					
		Panel CZ-KPY3A	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700					
		Panel CZ-KPY3B	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625					
	Sound pressure	Hi / Me / Lo	dB(A)	36 / 32 / 26	38 / 34 / 28	40 / 37 / 33					
	Air volume	Hi / Lo	m³/min	9,7 / 9,9	10,0 / 10,3	11,1 / 11,1					
NEW TECHNOLOGY '17 	**4 Way 90x90 Cassette**			**S-36PU2E5A**	**S-45PU2E5A**	**S-50PU2E5A**	**S-60PU2E5A**	**S-71PU2E5A**	**S-100PU2E5A**	**S-125PU2E5A**	**S-140PU2E5A**
	Panel			**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**	**CZ-KPU3 / CZ-KPU3A**
	Dimensions	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	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	33,5 x 950 x 950
	Sound pressure	Hi / Me / Lo	dB(A)	30 / 28 / 27	31 / 28 / 27	32 / 29 / 27	38 / 31 / 28	37 / 31 / 28	45 / 38 / 32	46 / 39 / 33	47 / 40 / 34
	Air volume	Hi / Me / Lo	m³/min	14,5 / 13,0 / 11,5	15,5 / 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
	**Low Static Pressure Hide Away**			**S-36PN1E5A**	**S-45PN1E5A**	**S-50PN1E5A**	**S-60PN1E5A**	**S-71PN1E5A**	**S-100PN1E5A**	**S-125PN1E5A**	**S-140PN1E5A**
	Dimensions	H x W x D	mm	250 x 780 x 650	250 x 780 x 650	250 x 780 x 650	250 x 1.000 x 650	250 x 1.000 x 650	250 x 1.200 x 650	250 x 1.200 x 650	250 x 1.200 x 650
	Sound pressure	Hi / Me / Lo	dB(A)	40 / 38 / 35	41 / 39 / 35	41 / 39 / 35	43 / 41 / 36	43 / 41 / 36	44 / 42 / 37	46 / 44 / 39	46 / 44 / 39
	External static pressure	Hi / Me / Lo	Pa	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10	80 / 50 / 10
	Air volume	Hi / Lo	m³/min	14,0 / 14,0	16,0 / 16,0	16,0 / 16,0	22,0 / 22,0	22,0 / 22,0	36,0 / 36,0	38,0 / 38,0	40,0 / 40,0
	**Hide Away High Static Pressure**			**S-36PF1E5A**	**S-45PF1E5A**	**S-50PF1E5A**	**S-60PF1E5A**	**S-71PF1E5A**	**S-100PF1E5A**	**S-125PF1E5A**	**S-140PF1E5A**
	Dimensions	H x W x D	mm	290 x 800 x 700	290 x 800 x 700	290 x 800 x 700	290 x 1.000 x 700	290 x 1.000 x 700	290 x 1.400 x 700	290 x 1.400 x 700	290 x 1.400 x 700
	Sound pressure	Hi / Me / Lo	dB(A)	33 / 29 / 25	34 / 30 / 26	34 / 30 / 26	35 / 32 / 26	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
	External static pressure	Hi / Me / Lo	Pa	150 / 70 / 10	150 / 70 / 10	150 / 70 / 10	150 / 70 / 10	150 / 70 / 10	150 / 100 / 10	150 / 100 / 10	150 / 100 / 10
	Air volume	Hi / Me / Lo	m³/min	14,0 / 13,0 / 10,0	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
	**Ceiling**			**S-36PT2E5A**	**S-45PT2E5A**	**S-50PT2E5A**	**S-60PT2E5A**	**S-71PT2E5A**	**S-100PT2E5A**	**S-125PT2E5A**	**S-140PT2E5A**
	Dimensions	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 960 x 690	235 x 1.275 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690	235 x 1.590 x 690
	Sound pressure	Hi / Me / Lo	dB(A)	35 / 32 / 30	38 / 33 / 30	38 / 33 / 30	39 / 36 / 33	39 / 36 / 33	42 / 38 / 35	45 / 40 / 37	47 / 41 / 37
	Air volume	Hi / Me / Lo	m³/min	14,0 / 12,0 / 10,5	15,0 / 12,5 / 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

NEW TECHNOLOGY '17


U-71PEY2E5


U-100PEY1E5
U-125PEY1E5
U-100PEY1E8
U-125PEY1E8


U-71PE1E5A


U-71PE1E8A

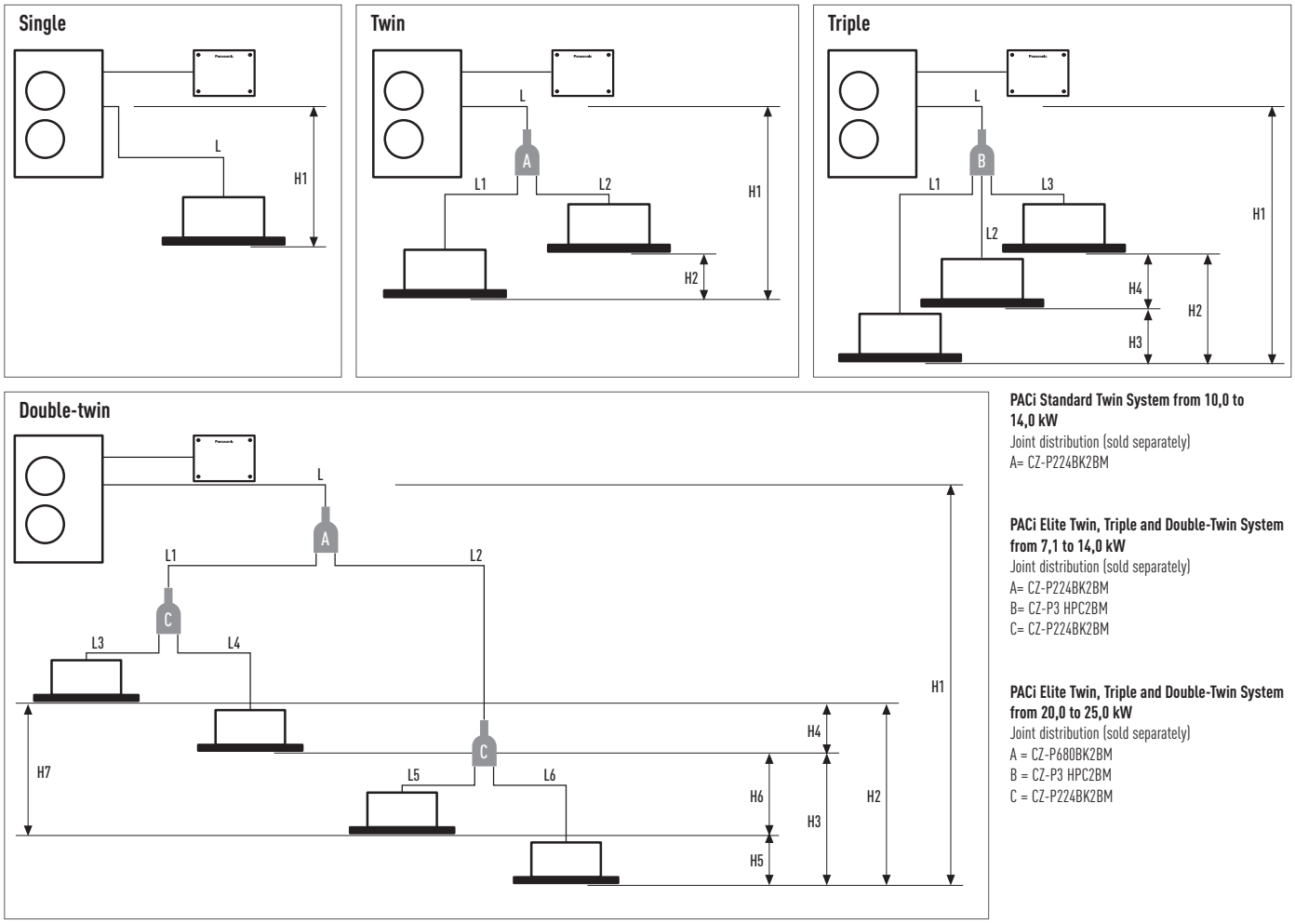
U-140PEY1E8


U-100PE1E5A
U-125PE1E5A
U-140PE1E5A
U-100PE1E8A
U-125PE1E8A
U-140PE1E8A


U-200PE2E8A
U-250PE2E8A

Compatible Outdoor Units			7,1 kW	10,0 kW	12,5 kW	14,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
Outdoor Unit Single Phase			**U-71PEY2E5[1]**	**U-100PEY1E5**	**U-125PEY1E5**	**–**	**U-71PE1E5A**	**U-100PE1E5A**	**U-125PE1E5A**	**U-140PE1E5A**	**–**	**–**
Outdoor Unit Three Phase			**–**	**U-100PEY1E8**	**U-125PEY1E8**	**U-140PEY1E8**	**U-71PE1E8A**	**U-100PE1E8A**	**U-125PE1E8A**	**U-140PE1E8A**	**U-200PE2E8A**	**U-250PE2E8A**
Cooling capacity	Nominal (Min - Max)	kW	7,1 (2,0 - 7,7)	10,0 (2,7 - 11,5)	12,5 (3,8 - 13,5)	14,0 (3,3 - 15,5)	7,1 (2,5 - 8,0)	10,0 (3,3 - 12,5)	12,5 (3,3 - 14,0)	14,0 (3,3 - 15,5)	20,0 (6,0 - 22,4)	25,0 (6,0 - 28,0)
Heating capacity	Nominal (Min - Max)	kW	7,1 (1,8 - 8,1)	10,0 (2,1 - 13,8)	12,5 (3,4 - 15,0)	14,0 (4,1 - 16,0)	8,0 (2,0 - 9,0)	11,2 (4,1 - 14,0)	14,0 (4,1 - 16,0)	16,0 (4,1 - 18,0)	21,8 (6,0 - 22,4)	28,0 (6,0 - 31,5)
Power source	Single Phase	V	220 / 230 / 240	220 / 230 / 240	220 / 230 / 240	–	220 / 240	220 / 240	220 / 240	220 / 240	–	–
	Three Phase	V	–	380 / 400 / 415	380 / 400 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415	380 / 415
Air volume	Cooling / Heating	m³/min	39,0	76,0 / 67,0	80,0 / 73,0	135,0 / 120,0	60,0 / 60,0	110,0 / 95,0	130,0 / 110,0	135,0 / 120,0	129,0	118,0
Sound pressure	Cooling / Heating (Hi)	dB(A)	47 / 49	54 / 54	56 / 56	54 / 53	48 / 50	52 / 52	53 / 53	54 / 55	57 / 57	57 / 58
Sound power	Cooling / Heating (Hi)	dB	70 / 70	70 / 70	73 / 73	71 / 70	65 / 67	69 / 69	70 / 70	71 / 71	72	73
Dimensions	H x W x D	mm	619 x 799 x 299	996 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	996 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.416 x 940 x 340	1.500 x 980 x 370	1.500 x 980 x 370
Net weight		kg	40	73	85	98	69	98	98	98	118	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)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	1/2 (12,7)
	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)	5/8 (15,88)	5/8 (15,88)	1 (25,4)	1 (25,4)
Elevation difference (in/out)	Max	m	30	30	30	30	30	30	30	30	30	30
Piping length	Min ~ Max	m	5 ~ 50	5 ~ 50	5 ~ 50	5 ~ 50	5 ~ 50	5 ~ 75	5 ~ 75	5 ~ 75	5 ~ 100	5 ~ 100
Refrigerant (R410A)		kg / TCO_2 Eq.	1,95 / 4,0716	2,60 / 5,4288	3,20 / 6,6816	3,40 / 7,0992	2,35 / 4,9068	3,40 / 7,0992	3,40 / 7,0992	3,40 / 7,0992	5,60 / 11,6928	6,40 / 13,3632
Operating range	Cooling Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46
	Heating Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +15	-20 ~ +15

1) Tentative data.
U-__1E5 Single Phase // U-__1E8 Three Phase



PACi Standard Twin System from 10,0 to 14,0 kW
Joint distribution (sold separately)
A= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 7,1 to 14,0 kW
Joint distribution (sold separately)
A= CZ-P224BK2BM
B= CZ-P3 HPC2BM
C= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 20,0 to 25,0 kW
Joint distribution (sold separately)
A = CZ-P680BK2BM
B = CZ-P3 HPC2BM
C = CZ-P224BK2BM

Twin System	PACi Standard Single and Twin System from 10,0 to 14,0 kW			PACi Elite Twin, Triple and Double-Twin System from 7,1 to 25 kW					
	Indoor Unit combinations (see examples above)		Equivalent lengths and height differences (m) for outdoor unit sizes...	Indoor Unit combinations (see examples above)				Equivalent lengths and height differences (m) for outdoor unit sizes from 7,1 to 14,0 kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20,0 to 25,0 kW
	Single	Twin		Single	Twin	Triple	Double-Twin		
Total pipe length	L	L + L1 + L2	≤ 50m	L	L + L1 + L2	L + L1 + L2 + L3	L + L1 + L2 + L3 + L4 + L5 + L6	U-60/U-71: ≤ 50m U-100/125/140: ≤ 75m	≤ 100m
Maximum pipe length from outdoor unit to most distant indoor unit	–	–	–	–	L + L1 or L + L2	L + L1 or L + L2 or L + L3	L + L1 + L3 or L + L1 + L4 or L + L2 + L5 or L + L2 + L6	–	≤ 100m
Maximum branch pipe length	–	L1 L2	≤ 15	–	L1 or L2	L1 or L2 or L3	L1 + L3 or L1 + L4 or L2 + L5 or L2 + L6	≤ 15m	≤ 20m
Maximum branch pipe length differences	–	L1 > L2 L1 - L2	≤ 10	–	L1 > L2: L1 - L2	L1 > L2 > L3: L1 - L2 L2 - L3 L1 - L3	L2 + L6 (Max.) L1 + L3 (Min.): (L2 + L6) - (L1 + L3)	≤ 10m	≤ 10m
Maximum pipe length differences after first branch (Double-Twin)	–	–	–	–	–	–	L2 > L1: L2 - L1	≤ 10m	≤ 10m
Maximum pipe length differences after second branch (Double-Twin)	–	–	–	–	–	–	L4 > L3: L4 - L3 L6 > L5: L6 - L5	≤ 10m	≤ 10m
Height difference (outdoor unit located higher)	H1	H1	≤ 30	H1	H1	H1	H1	≤ 30m	≤ 30m
Height difference (outdoor unit located lower)	H1	H1	≤ 15	H1	H1	H1	H1	≤ 15m	≤ 30m
Height difference between indoor units	–	H2	≤ 0,5	–	H2	H2 or H3 or H4	H2 or H3 or H4 or H5 or H6	≤ 0,5m	≤ 0,5m

Twin System	PACi Standard Single and Twin System from 10,0 to 14,0 kW				PACi Elite Twin, Triple and Double-Twin System from 7,1 to 14,0 kW						PACi Elite Twin, Triple and Double-Twin System from 20,0 to 25,0 kW				
	Outdoor Unit main pipe diameter (L)		Indoor Unit connection tube (L1, L2)		Outdoor Unit main pipe diameter (L)	Indoor Unit connection pipe diameter (L1, L2, L3, L4) (mm)					Outdoor Unit main pipe diameter (L) (mm)		Double-Twin distribution pipe (L1, L2)[1]	Indoor Unit connection pipe diameter	
Unit type capacity	100	125	50	60	71 - 140	36	45	50	60	71	200	250	100 - 125	50	60 - 125
Liquid pipe (mm)	Ø 9,52	Ø 12,7	Ø 6,35	Ø 9,52	Ø 9,52	Ø 6,35	Ø 6,35	Ø 6,35	Ø 9,52	Ø 9,52	Ø 9,52	Ø 12,7	Ø 9,52	Ø 6,35	Ø 9,52
Gas pipe (mm)	Ø 15,88	Ø 15,88	Ø 12,7	Ø 15,88	Ø 15,88	Ø 12,70	Ø 12,70	Ø 12,70	Ø 15,88	Ø 15,88	Ø 25,4	Ø 25,4	Ø 15,88	Ø 12,7	Ø 15,88
Additional gas amount (g/m)	50	50	20	50	50	20	20	20	50	50	40	80	40	20	40

1. Total capacity of indoor unit connected after the branch

Refrigerant charging: For the twin connection, the amount of refrigerant required for pipe length 30m has been included in this unit at the factory while that required for pipe length 20m has been included for the Triple / Double-Twin connections.
No Additional gas amount is required for the first 30m pipe length in the case of the twin connection and for the first 20m in the case of the Triple / Double-Twin connections. The amount of included refrigerant for each model is listed on NAMA PLATE.
Make Additional gas amounts by adding up pipe length in an order of main (L branch pipe), (L1, L2, L3 wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after 30m for the Twin connection and after 20m for the Triple / Double-Twin connections) liquid side pipe diameter and pipe length from the below table.


Optional Controller
Wired remote controller
CZ-RTC5A


Optional Controller
Wired remote controller
CZ-RTC4

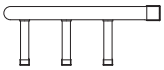
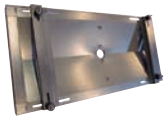

Optional Controller.
Wireless remote controller
Various type.


Optional Controller.
Simplified remote controller
CZ-RE2C2

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

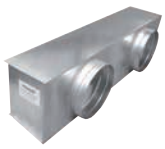
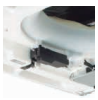
Rating Conditions: Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. (DB: Dry Bulb; WB: Wet Bulb)
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu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

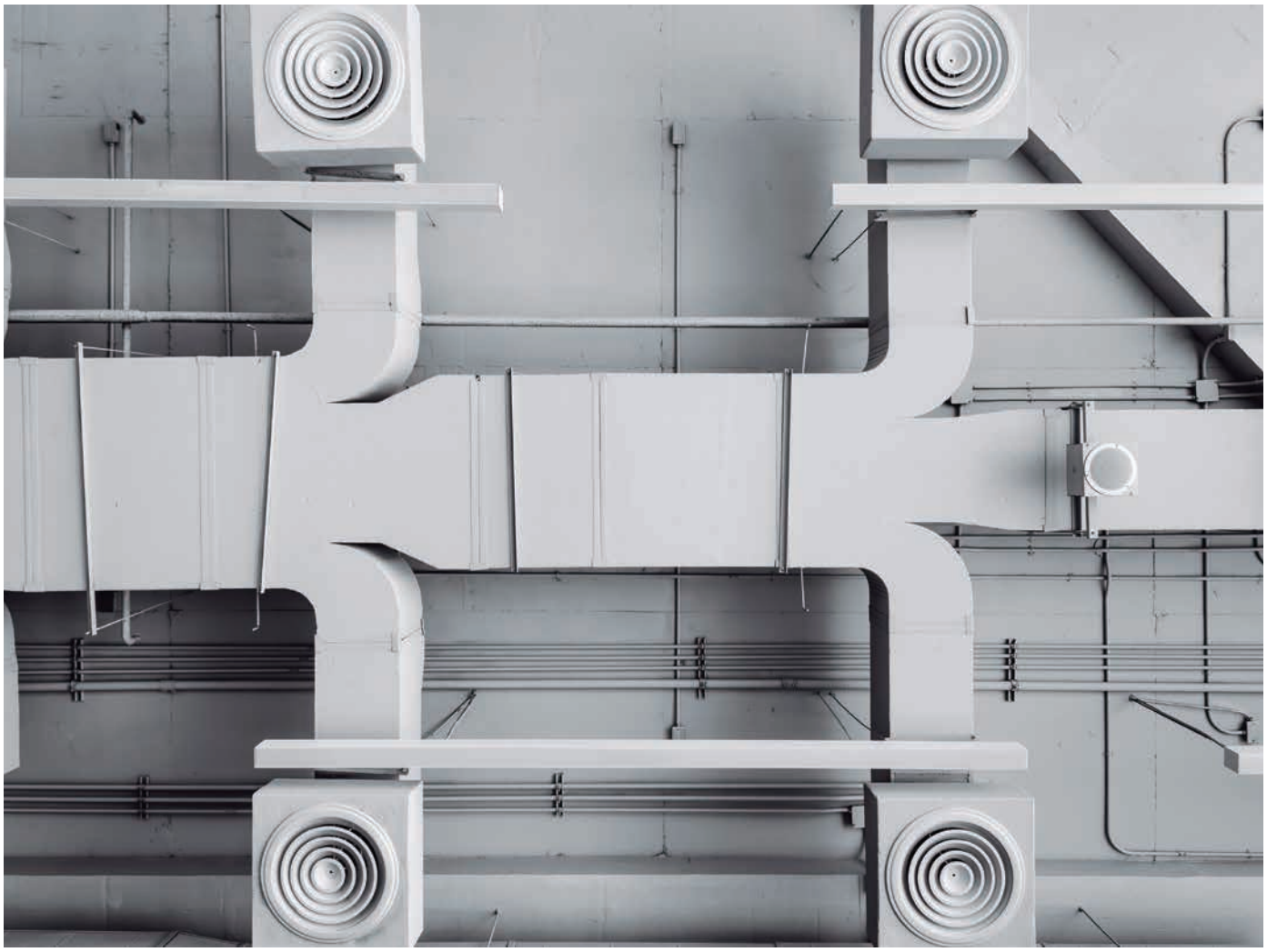
ACCESSORIES & CONTROL

Branch Pipes, Header		
	CZ-P155BK1	Branch pipe
	CZ-P224BK2BM	Branch pipe
	CZ-P680BK2BM	Branch pipe (from 22,4 kW to 68,0 kW)
	CZ-P3 HPC2BM	Header
Outdoor accessories		
	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 130, 500 kg)
	PAW-WPH7	Wind protection shield for U-50PE2E5A
	PAW-WPH8	Wind protection shield for U-200PE2E8A, U-250PE2E8A
	PAW-WPH9	Wind protection shield for U . .PE1E5A/8A 60 & 70, U . .PEY1E5/8 100 & 125
	PAW-WPH10	Wind protection shield for U . .PE1E5A/8A 100, 125 & 140, U-140PEY1E8
Panels		
	CZ-KPU3	Normal panel for 90x90 Cassette PU2
	CZ-KPU3A	Econavi panel for 90x90 Cassette PU2
	CZ-KPY3A	Panel for 60x60 Cassette size 700 x 700mm
	CZ-KPY3B	Panel for 60x60 Cassette size 625 x 625mm
Remote controller for Hotels with Dry Contacts		
	PAW-RE2C3-WH	Stand-Alone with I/O White frame
	PAW-RE2C3-GR	Stand-Alone with I/O Grey Frame
	PAW-RE2C3-MOD-WH	Modbus RS-485 with I/O White frame
	PAW-RE2C3-MOD-GR	Modbus RS-485 with I/O Grey frame
	PAW-RE2C3-LON-WH	LonWorks TP/FT-10 with I/O White frame
	PAW-RE2C3-LON-GR	LonWorks TP/FT-10 with I/O Grey frame
Individual Controls		
	CZ-RTC5A	Design wired remote controller with Econavi button
	CZ-RTC4	Standard Wired remote controller with Econavi button
	CZ-RWSU3	Wireless remote controller for Cassette 90x90 PU2
	CZ-RWSK2 + CZ-RWSC3	Wireless remote controller for Wall Mounted (and Wireless receiver CZ-RWSC3 separately)
	CZ-RWST3N	Wireless remote controller for Ceiling
	CZ-RE2C2	Simplified remote controller
	CZ-CSRC3	Temperature Remote sensor

Centralised Controls		
	CZ-64ESMC3	System Controller with Schedule timer. Operation with various function from center station
	CZ-ANC2	Central On/Off controller, up to 16 groups, 64 indoor units
	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	PAIMS 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-CAPC2	Adaptor for On/off control of external devices
	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
AC Smart Cloud		
	CZ-CFUSCC1	Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units
VRF Smart Connectivity		
	SER8150A0B1194P	Remote Controller Panasonic Net Con, RH, No PIR, ZigBee
	SER8150A5B1194P	Remote Controller Panasonic Net Con, RH, PIR, ZigBee
	SER8150R0B1194	Remote Controller Panasonic Net Con, RH, No PIR, R1/R2
	SER8150R5B1194	Remote Controller Panasonic Net Con, RH, PIR, R1/R2
	VCM8000R94BOX	Panasonic R1R2 to Zigbee adaptor box No Brand
	VCM8000V5094G	(For Wave1) Wireless Zigbee Pro / Green Com card. 8 Required in case Wave1 wired product need to do MPM connection.)
	SED-WMS-P-5045	Wireless Sensors Wall motion sensor
	SED-WDS-P-5045	Wireless Sensors Door/window contact
	SED-CMS-P-5045	Wireless Sensors Ceiling motion sensor
	SED-CO2-G-5045	CO_2 sensor (Available from 2017. 2nd Quarter)
Accessories Cables		
	CZ-T10	Cable for all the T10 functions
	PAW-FDC	Cable to operate external fan
	PAW-OCT	Cable for all option monitoring signals
	PAW-EXCT	Force thermo OFF / leakage detection
	CZ-CAPE2	Option monitoring signals wo. Fan.

Accessories PCB		
	PAW-T10	All T10 functions
	PAW-T10V	All T10 functions + powermonitoring
	PAW-T10H	ON/OFF; Prohibit 5VDC & 230 VAC
	PAW-T10HW	ON/OFF; Prohibit 5VDC
	**PAW-PACR3**	PCB for server room application, control of 3 PACi units, redundancy, backup, etc
	**PAW-SERVER-PKEA**	Redundancy of 2 units PKEA
Accessories Interfaces		
	**PA-RC2-WIFI-1**	Interface for Intesishome for PACi
	**PAW-RC2-KNX-1i**	KNX Interface
	**PAW-RC2-MBS-1**	Modbus Interface
	**PAW-RC2-MBS-4**	Modbus interface to control 4 indoor/groups
	**PAW-MBS-TCP2RTU**	ModBus RTU Slave devices

	**PAW-RC2-BAC-1**	BACnet Interface.
	PAW-RC2-ENO-1i	EnOcean Interface.
	CZ-CAPRA1	Split Air Conditioners with CZ-CNT port integration to PACi and ECOi.
Plenums		
	**CZ-DUMPA90MF2**	Air Inlet Plenum S . .PF1E5A 60 & 71
	CZ-DUMPA160MF2	Air Inlet Plenum S . .PF1E5A 100, 125 & 140
	CZ-56DAF2	Air Outlet Plenum S . .PF1E5A 36, 45 & 50
	CZ-90DAF2	Air Outlet Plenum S . .PF1E5A 60 & 71
	**CZ-160DAF2**	Air Outlet Plenum S . .PF1E5A 100, 125 & 140
	CZ-TREMIESPW705	Air Outlet Plenum S-200PE2E5
	CZ-TREMIESPW706	Air Outlet Plenum S-250PE2E5
Other Accessory		
	**CZ-CNEXU1**	nanoe™ X air purifying system for 90x90 Cassette PU2
	**CZ-CENSC1**	Econavi energy savings sensor
	CZ-140DRS1	PACi Drain kit to suit all PACi system



INDUSTRIAL VRF SYSTEMS

NEW VRF
TECHNOLOGY
'17

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.

ECOi EX
ECOi
ECOG

New 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.

New 8/10 HP Mini ECOi.

The New Mini VRF compact system is the ideal solution for minimum outdoor space. Panasonic extends the Mini VRF range by 8 and 10 HP units.

The Panasonic solution for chilled and hot water production!

For hydronic Applications. Energy-efficient capacity control. Stainless steel plate heat exchanger with anti-freeze protection control. Change-over between heating and cooling operation.

New 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.

BEST EFFICIENCY ECOi SERIES FROM PANASONIC

The ever-evolving Panasonic ECOi Series

The ECOi Series is designed for energy savings, easy installation, and high efficiency. Always continuing to evolve, Panasonic uses advanced technologies to meet the requirements of diverse situations and contribute to the creation of comfortable living spaces. A game-changing VRF system delivering energy-saving performance, powerful operation, reliability and comfort surpassing anything previously possible.

2-Pipe ECOi EX ME2 Series

More flexible piping length. Newly designed; compressor, oil recovery system, outdoor heat exchanger, allow system to increase piping length. The ECOi EX can still operate at 100 % capacity when the outside temperature is as high as 43 °C. This high power capability enables reliable operation even under extremely high temperature conditions.

3-Pipe ECOi MF2 6N Series

ECOi 3-Pipe is one of the most advanced VRF systems available. Not only offering high-efficiency and performance for simultaneous heating and cooling, its sophisticated design makes installation and maintenance much easier.

Mini ECOi Series

Panasonic's policy of product development continues with the expansion of the Mini ECOi Series, the 2-Pipe heat pump small VRF system specifically designed for the European market.

2-Pipe ECOi EX ME2 Series

3-Pipe ECOi MF2 6N Series

Mini ECOi Series

2-Pipe ECOi EX ME2 Series

2-Pipe ECOi EX ME2 Series High Efficiency Model

Units			8 HP	10 HP	12 HP	14 HP	16 HP
Model name			**U-8ME2E8**	**U-10ME2E8**	**U-12ME2E8**	**U-14ME2E8**	**U-16ME2E8**
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	22,4	28,0	33,5	40,0	45,0
EER		W/W	4,70	4,37	3,96	3,88	3,52
ESSER		W/W	9,33	8,67	7,94	7,73	7,19
SEER [1]		**W/W**	**7,74**	**7,66**	**7,32**	**6,97**	**6,66**
Running current cooling		A	7,40 / 7,14	10,20 / 9,80	13,00 / 12,50	16,50 / 15,90	20,10 / 19,40
Input power cooling		kW	4,77	6,41	8,47	10,30	12,80
Heating capacity		kW	25,0	31,5	37,5	45,0	50,0
COP		W/W	5,13	4,76	4,73	4,56	4,42
SCOP [2]		**W/W**	**5,61**	**5,71**	**5,84**	**5,72**	**5,71**
Running current heating		A	7,56 / 7,29	10,50 / 10,10	12,30 / 11,80	15,80 / 15,20	17,90 / 17,30
Input power heating		kW	4,87	6,62	7,92	9,86	11,30
Starting current		A	1	1	1	2	2
External static pressure (Max)		Pa	80	80	80	80	80
Air volume		m^3/min	224	224	232	232	232
Sound pressure	Normal mode	dB(A)	54,0	56,0	59,0	60,0	61,0
	Silent mode	dB(A)	51,0	53,0	56,0	57,0	58,0
Sound power	Normal mode	dB	75,0	77,0	80,0	81,0	82,0
Dimensions	H x W x D	mm	1.842 x 770 x 1.000	1.842 x 770 x 1.000	1.842 x 1.180 x 1.000	1.842 x 1.180 x 1.000	1.842 x 1.180 x 1.000
Net weight		kg	210	210	270	315	315
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)
	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)
	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)		kg / TCO_2 Eq.	5,6 / 11,6928	5,6 / 11,6928	8,3 / 17,3304	8,3 / 17,3304	8,3 / 17,3304
Maximum allowable indoor / outdoor capacity ratio % [4]			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cooling Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heating Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) Data obtained with setting by Panasonic commissioning. 2) Tentative data. 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.

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 18 to 40 HP

			18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP	38 HP	40 HP
Combinations			**U-18ME2E8**	**U-20ME2E8**	**U-22ME2E8**	**U-24ME2E8**	**U-26ME2E8**	**U-28ME2E8**	**U-30ME2E8**	**U-32ME2E8**	**U-34ME2E8**	**U-36ME2E8**	**U-38ME2E8**	**U-40ME2E8**
Model name			**U-8ME2E8 U-10ME2E8**	**U-10ME2E8 U-10ME2E8**	**U-10ME2E8 U-12ME2E8**	**U-12ME2E8 U-12ME2E8**	**U-10ME2E8 U-16ME2E8**	**U-12ME2E8 U-16ME2E8**	**U-14ME2E8 U-16ME2E8**	**U-16ME2E8 U-16ME2E8**	**U-10ME2E8 U-12ME2E8 U-12ME2E8**	**U-12ME2E8 U-12ME2E8 U-12ME2E8**	**U-10ME2E8 U-12ME2E8 U-16ME2E8**	**U-12ME2E8 U-12ME2E8 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	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	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity		kW	50,0	56,0	61,5	68,0	73,0	78,5	85,0	90,0	96,0	101,0	107,0	113,0
EER		W/W	4,55	4,38	4,13	3,93	3,80	3,69	3,68	3,52	4,05	3,95	3,84	3,75
Running current cooling		A	17,3 / 16,6	20,3 / 19,6	23,1 / 22,3	26,6 / 25,6	30,1 / 29,0	33,1 / 31,9	36,6 / 35,3	40,2 / 38,7	36,8 / 35,5	39,3 / 37,9	43,8 / 42,2	46,7 / 45,0
Input power cooling		kW	11,0	12,8	14,9	17,3	19,2	21,3	23,1	25,6	23,7	25,6	27,9	30,1
Heating capacity		kW	56,0	63,0	69,0	76,5	81,5	87,5	95,0	100,0	108,0	113,0	119,0	127,0
COP		W/W	4,96	4,77	4,76	4,69	4,55	4,56	4,48	4,42	4,72	4,73	4,61	4,57
Running current heating		A	17,7 / 17,1	20,9 / 20,2	22,7 / 21,9	25,3 / 24,4	28,4 / 27,4	30,1 / 29,0	33,6 / 32,4	35,8 / 34,6	35,9 / 34,6	37,1 / 35,8	40,5 / 39,0	43,6 / 42,0
Input power heating		kW	11,3	13,2	14,5	16,3	17,9	19,2	21,2	22,6	22,9	23,9	25,8	27,8
Starting current		A	2	2	2	2	3	3	4	4	3	3	4	4
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80	80	80	80	80
Air volume		m^3/min	448	448	456	464	456	464	464	464	688	696	688	696
Sound pressure	Normal / Silent mode	dB(A)	58,5 / 55,5	59,0 / 56,0	61,0 / 58,0	62,0 / 59,0	62,5 / 59,5	63,5 / 60,5	63,5 / 60,5	64,0 / 61,0	63,0 / 60,0	64,0 / 61,0	64,0 / 61,0	64,5 / 61,5
Sound power	Normal mode	dB	79,5	80,0	82,0	83,0	83,5	84,5	84,5	85,0	84,0	85,0	85,0	85,5
Dimensions / Net weight	H x W x D	mm / kg	1.842 x 1.600 x 1.000 / 420	1.842 x 1.600 x 1.000 / 420	1.842 x 2.010 x 1.000 / 480	1.842 x 2.420 x 1.000 / 540	1.842 x 2.010 x 1.000 / 535	1.842 x 2.420 x 1.000 / 585	1.842 x 2.420 x 1.000 / 630	1.842 x 2.420 x 1.000 / 630	1.842 x 3.250 x 1.000 / 750	1.842 x 3.660 x 1.000 / 810	1.842 x 3.250 x 1.000 / 795	1.842 x 3.660 x 1.000 / 855
Piping connections [3]	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)	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)	1-1/8 (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)	1-1/2 (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)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
R410A refrigerant amount		kg / TCO_2 Eq.	11,2 / 23,3856	11,2 / 23,3856	13,9 / 29,0232	16,6 / 34,6608	13,9 / 29,0232	16,6 / 34,6608	16,6 / 34,6608	16,6 / 34,6608	22,2 / 46,3536	24,9 / 51,9912	22,2 / 46,3536	24,9 / 46,3536
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)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cooling Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heating Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) Data obtained with setting by Panasonic commissioning. 2) Tentative data. 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.

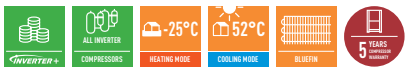
Rating Conditions: Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. (DB: Dry Bulb; WB: Wet Bulb)
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu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

2-Pipe ECOi EX ME2 Series

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 42 to 64 HP

			42 HP	44 HP	46 HP	48 HP	50 HP	52 HP	54 HP	56 HP	58 HP	60 HP	62 HP	64 HP
Combinations			**U-42ME2E8**	**U-44ME2E8**	**U-46ME2E8**	**U-48ME2E8**	**U-50ME2E8**	**U-52ME2E8**	**U-54ME2E8**	**U-56ME2E8**	**U-58ME2E8**	**U-60ME2E8**	**U-62ME2E8**	**U-64ME2E8**
Model name			**U-10ME2E8 U-16ME2E8 U-16ME2E8**	**U-12ME2E8 U-16ME2E8 U-16ME2E8**	**U-14ME2E8 U-16ME2E8 U-16ME2E8**	**U-16ME2E8 U-16ME2E8 U-16ME2E8**	**U-10ME2E8 U-12ME2E8 U-12ME2E8 U-16ME2E8**	**U-12ME2E8 U-12ME2E8 U-12ME2E8 U-16ME2E8**	**U-10ME2E8 U-12ME2E8 U-16ME2E8 U-16ME2E8**	**U-12ME2E8 U-12ME2E8 U-16ME2E8 U-16ME2E8**	**U-10ME2E8 U-16ME2E8 U-16ME2E8 U-16ME2E8**	**U-12ME2E8 U-16ME2E8 U-16ME2E8 U-16ME2E8**	**U-14ME2E8 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	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	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity		kW	118,0	124,0	130,0	135,0	140,0	145,0	151,0	156,0	162,0	168,0	174,0	180,0
EER		W/W	3,69	3,62	3,62	3,52	3,87	3,82	3,75	3,71	3,65	3,60	3,60	3,52
Running current cooling		A	50,2 / 48,4	53,2 / 51,3	56,9 / 54,9	60,2 / 58,1	56,2 / 54,2	59,0 / 56,8	63,2 / 60,9	65,3 / 63,0	69,7 / 67,1	73,3 / 70,6	75,8 / 73,0	80,3 / 77,4
Input power cooling		kW	32,0	34,3	35,9	38,4	36,2	38,0	40,3	42,1	44,4	46,7	48,3	51,2
Heating capacity		kW	132,0	138,0	145,0	150,0	155,0	160,0	169,0	175,0	182,0	189,0	195,0	201,0
COP		W/W	4,49	4,50	4,46	4,42	4,65	4,66	4,56	4,56	4,47	4,47	4,45	4,42
Running current heating		A	46,6 / 44,9	48,2 / 46,4	51,5 / 49,7	53,8 / 51,8	52,2 / 50,4	53,8 / 51,9	58,8 / 56,7	60,2 / 58,1	64,6 / 62,2	67,1 / 64,7	69,5 / 67,0	72,2 / 69,6
Input power heating		kW	29,4	30,7	32,5	33,9	33,3	34,3	37,1	38,4	40,7	42,3	43,8	45,5
Starting current		A	5	5	6	6	5	5	6	6	7	7	8	8
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80	80	80	80	80
Air volume		m^3/min	688	696	696	696	920	928	920	928	920	928	928	928
Sound pressure	Normal / Silent mode	dB(A)	65,0 / 62,0	65,5 / 62,5	65,5 / 62,5	66,0 / 63,0	65,5 / 62,5	66,0 / 63,0	66,0 / 63,0	66,5 / 63,5	66,5 / 63,5	67,0 / 64,0	67,0 / 64,0	67,0 / 64,0
Sound power	Normal mode	dB	86,0	86,5	86,5	87,0	86,5	87,0	87,0	87,5	87,5	88,0	88,0	88,0
Dimensions / Net weight	H x W x D	mm / kg	1.842 x 3.250 x 1.000 / 840	1.842 x 3.660 x 1.000 / 900	1.842 x 3.660 x 1.000 / 945	1.842 x 3.660 x 1.000 / 945	1.842 x 4.490 x 1.000 / 1.065	1.842 x 4.900 x 1.000 / 1.125	1.842 x 4.490 x 1.000 / 1.110	1.842 x 4.900 x 1.000 / 1.170	1.842 x 4.490 x 1.000 / 1.155	1.842 x 4.900 x 1.000 / 1.215	1.842 x 4.900 x 1.000 / 1.260	1.842 x 4.900 x 1.000 / 1.260
Piping connections [3]	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)	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)	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)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
R410A refrigerant amount		kg / TCO_2 Eq.	22,2 / 51,9912	24,9 / 51,9912	24,9 / 51,9912	24,9 / 51,9912	30,5 / 63,6840	33,2 / 69,3216	30,5 / 63,6840	33,2 / 69,3216	30,5 / 63,6840	33,2 / 69,3216	33,2 / 69,3216	33,2 / 69,3216
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)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cooling Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heating Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) Data obtained with setting by Panasonic commissioning. 2) Tentative data. 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.



2-Pipe ECOi EX ME2 Series Space Saving Model

			8 HP	10 HP	12 HP	14 HP	16 HP	18 HP	20 HP
Units									
Model name			**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	22,4	28,0	33,5	40,0	45,0	50,0	56,0
EER		W/W	4,70	4,37	3,96	3,88	3,52	3,52	3,35
ESSER		W/W	9,33	8,67	7,94	7,73	7,19	6,95	6,18
SEER [1]		**W/W**	**7,74**	**7,66**	**7,32**	**6,97**	**6,66**	**6,56**	**5,98**
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	25,0	31,5	37,5	45,0	50,0	56,0	63,0
COP		W/W	5,13	4,76	4,73	4,56	4,42	4,38	3,94
SCOP [2]		**W/W**	**5,61**	**5,71**	**5,84**	**5,72**	**5,71**	**5,65**	**4,88**
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	1	1	2	2	2	2
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)	54,0	56,0	59,0	60,0	61,0	59,0	60,0
	Silent mode	dB(A)	51,0	53,0	56,0	57,0	58,0	56,0	57,0
Sound power	Normal mode	dB	75,0	77,0	80,0	81,0	82,0	80,0	81,0
Dimensions	H x W x D	mm	1.842 x 770 x 1.000	1.842 x 770 x 1.000	1.842 x 1.180 x 1.000	1.842 x 1.180 x 1.000	1.842 x 1.180 x 1.000	1.842 x 1.540 x 1.000	1.842 x 1.540 x 1.000
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.	5,6 / 11,6928	5,6 / 11,6928	8,3 / 17,3304	8,3 / 17,3304	8,3 / 17,3304	9,5 / 19,836	9,5 / 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	Cooling Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heating Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) Data obtained with setting by Panasonic commissioning. 2) Tentative data. 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.

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 22 to 50 HP

			22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP	38 HP	40 HP	42 HP	44 HP	46 HP	48 HP	50 HP
Combinations			U-22ME2E8	U-24ME2E8	U-26ME2E8	U-28ME2E8	U-30ME2E8	U-32ME2E8	U-34ME2E8	U-36ME2E8	U-38ME2E8	U-40ME2E8	U-42ME2E8	U-44ME2E8	U-46ME2E8	U-48ME2E8	U-50ME2E8
Model name			U-10ME2E8 U-12ME2E8	U-12ME2E8 U-12ME2E8	U-10ME2E8 U-16ME2E8	U-12ME2E8 U-16ME2E8	U-14ME2E8 U-16ME2E8	U-16ME2E8 U-16ME2E8	U-14ME2E8 U-20ME2E8	U-16ME2E8 U-20ME2E8	U-18ME2E8 U-20ME2E8	U-20ME2E8 U-20ME2E8	U-10ME2E8 U-16ME2E8 U-16ME2E8	U-12ME2E8 U-16ME2E8 U-16ME2E8	U-14ME2E8 U-16ME2E8 U-16ME2E8	U-16ME2E8 U-16ME2E8 U-16ME2E8	U-14ME2E8 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	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	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity		kW	61,5	68,0	73,0	78,5	85,0	90,0	96,0	101,0	107,0	113,0	118,0	124,0	130,0	135,0	140,0
EER		W/W	4,13	3,93	3,80	3,69	3,68	3,52	3,56	3,42	3,42	3,34	3,69	3,62	3,62	3,52	3,55
Running current cooling		A	23,1 / 22,3	26,6 / 25,6	30,1 / 29,0	33,1 / 31,9	36,6 / 35,3	40,2 / 38,7	41,9 / 40,4	45,3 / 43,7	48,1 / 46,3	51,4 / 49,5	50,2 / 48,4	53,2 / 51,3	56,9 / 54,9	60,2 / 58,1	61,1 / 58,9
Input power cooling		kW	14,9	17,3	19,2	21,3	23,1	25,6	27,0	25,9	31,3	33,8	32,0	34,3	35,9	38,4	39,4
Heating capacity		kW	69,0	76,5	81,5	87,5	95,0	100,0	108,0	113,0	119,0	127,0	132,0	138,0	145,0	150,0	155,0
COP		W/W	4,76	4,69	4,55	4,56	4,48	4,42	4,17	4,14	4,13	3,92	4,49	4,50	4,46	4,42	4,29
Running current heating		A	22,7 / 21,9	25,3 / 24,4	28,4 / 27,4	30,1 / 29,0	33,6 / 32,4	35,8 / 34,6	40,6 / 39,2	42,4 / 40,8	44,7 / 43,1	49,8 / 48,0	46,6 / 44,9	48,2 / 46,4	51,5 / 49,7	53,8 / 51,8	56,6 / 54,6
Input power heating		kW	14,5	16,3	17,9	19,2	21,2	22,6	25,9	27,3	28,8	32,4	29,4	30,7	32,5	33,9	36,1
Starting current		A	2	2	3	3	4	4	4	4	4	4	5	5	6	6	6
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Air volume		m^3/min	456	464	456	464	464	464	637	637	810	810	688	696	696	696	869
Sound pressure	Normal mode	dB(A)	61,0	62,0	62,5	63,5	63,5	64,0	63,0	63,5	62,5	63,0	65,0	65,5	65,5	66,0	65,5
	Silent mode	dB(A)	58,0	59,0	59,5	60,5	60,5	61,0	60,0	60,5	59,5	60,0	62,0	62,5	62,5	63,0	62,5
Sound power	Normal mode	dB	82,0	83,0	83,5	84,5	84,5	85,0	84,0	84,5	83,5	84,0	86,0	86,5	86,5	87,0	86,5
Dimensions	H x W x D	mm	1.842 x 2.010 x 1.000	1.842 x 2.420 x 1.000	1.842 x 2.010 x 1.000	1.842 x 2.420 x 1.000	1.842 x 2.420 x 1.000	1.842 x 2.420 x 1.000	1.842 x 2.780 x 1.000	1.842 x 2.780 x 1.000	1.842 x 3.140 x 1.000	1.842 x 3.140 x 1.000	1.842 x 3.250 x 1.000	1.842 x 3.660 x 1.000	1.842 x 3.660 x 1.000	1.842 x 3.660 x 1.000	1.842 x 4.020 x 1.000
Net weight		kg	480	540	525	585	630	630	690	690	750	750	840	900	945	945	1.005
Piping connections [3]	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)	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)	1-1/8 (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)	1-1/2 (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)	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)	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.	13,9 / 23,3856	16,6 / 34,6608	13,9 / 29,0232	16,6 / 34,6608	16,6 / 34,6608	16,6 / 34,6608	17,8 / 37,1664	17,8 / 37,1664	19,0 / 39,672	19,0 / 39,672	22,2 / 46,3536	24,9 / 51,9912	24,9 / 51,9912	24,9 / 51,9912	26,1 / 54,4968
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)	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	Cooling Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heating Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) Data obtained with setting by Panasonic commissioning. 2) Tentative data. 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.

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 52 to 80 HP

			52 HP	54 HP	56 HP	58 HP	60 HP	62 HP	64 HP	66 HP	68 HP	70 HP	72 HP	74 HP	76 HP	78 HP	80 HP
Combinations			U-52ME2E8	U-54ME2E8	U-56ME2E8	U-58ME2E8	U-60ME2E8	U-62ME2E8	U-64ME2E8	U-66ME2E8	U-68ME2E8	U-70ME2E8	U-72ME2E8	U-74ME2E8	U-76ME2E8	U-78ME2E8	U-80ME2E8
Model name			U-16ME2E8 U-16ME2E8 U-20ME2E8	U-14ME2E8 U-20ME2E8 U-20ME2E8	U-16ME2E8 U-20ME2E8 U-20ME2E8	U-18ME2E8 U-20ME2E8 U-20ME2E8	U-20ME2E8 U-20ME2E8 U-20ME2E8	U-14ME2E8 U-16ME2E8 U-16ME2E8 U-16ME2E8	U-16ME2E8 U-16ME2E8 U-16ME2E8 U-16ME2E8	U-10ME2E8 U-16ME2E8 U-20ME2E8 U-20ME2E8	U-12ME2E8 U-16ME2E8 U-20ME2E8 U-20ME2E8	U-10ME2E8 U-20ME2E8 U-20ME2E8 U-20ME2E8	U-16ME2E8 U-20ME2E8 U-20ME2E8 U-20ME2E8	U-16ME2E8 U-18ME2E8 U-20ME2E8 U-20ME2E8	U-20ME2E8 U-20ME2E8 U-20ME2E8 U-20ME2E8	U-18ME2E8 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	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	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Cooling capacity		kW	145,0	151,0	156,0	162,0	168,0	174,0	180,0	185,0	190,0	196,0	202,0	208,0	213,0	219,0	224,0
EER		W/W	3,46	3,49	3,41	3,40	3,35	3,60	3,52	3,52	3,49	3,47	3,42	3,42	3,39	3,38	3,35
Running current cooling		A	65,0 / 62,7	66,5 / 64,1	70,3 / 67,8	73,1 / 70,4	76,1 / 73,4	75,8 / 73,0	80,3 / 77,4	80,8 / 77,8	83,7 / 80,7	86,8 / 83,6	90,6 / 87,3	93,4 / 90,0	96,6 / 93,1	98,3 / 94,7	101,5 / 97,8
Input power cooling		kW	41,9	43,3	45,8	47,6	50,1	48,3	51,2	52,6	54,5	56,5	59,0	60,8	62,9	64,7	66,8
Heating capacity		kW	160,0	169,0	175,0	182,0	189,0	195,0	201,0	207,0	213,0	219,0	226,0	233,0	239,0	245,0	252,0
COP		W/W	4,27	4,11	4,08	4,06	3,94	4,45	4,42	4,16	4,18	4,05	4,14	4,12	4,03	4,03	3,94
Running current heating		A	58,8 / 56,7	63,8 / 61,5	66,6 / 64,2	69,5 / 67,0	73,7 / 71,0	69,5 / 67,0	72,2 / 69,6	77,1 / 74,3	79,2 / 76,3	83,1 / 80,1	84,7 / 81,7	87,7 / 84,5	92,0 / 88,7	93,4 / 90,0	98,3 / 94,7
Input power heating		kW	37,5	41,1	42,9	44,8	48,0	43,8	45,5	49,7	51,0	54,1	54,6	56,5	59,3	60,8	64,0
Starting current		A	6	6	6	6	6	8	8	7	7	7	8	8	8	8	8
External static pressure (Max)		Pa	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Air volume		m^3/min	869	1.042	1.042	1.215	1.215	928	928	1.266	1.274	1.439	1.274	1.447	1.447	1.620	1.620
Sound pressure	Normal mode	dB(A)	65,5	65,0	65,5	64,5	65,0	67,0	67,0	66,0	66,5	65,5	66,5	66,5	66,5	66,0	66,0
	Silent mode	dB(A)	62,5	62,0	62,5	61,5	62,0	64,0	64,0	63,0	63,5	62,5	63,5	63,5	63,5	63,0	63,0
Sound power	Normal mode	dB	86,5	86,0	86,5	85,5	86,0	88,0	88,0	87,0	87,5	86,5	87,5	87,5	87,5	87,0	87,0
Dimensions	H x W x D	mm	1.842 x 4.020 x 1.000	1.842 x 4.380 x 1.000	1.842 x 4.380 x 1.000	1.842 x 4.740 x 1.000	1.842 x 4.740 x 1.000	1.842 x 4.900 x 1.000	1.842 x 4.900 x 1.000	1.842 x 5.210 x 1.000	1.842 x 5.620 x 1.000	1.842 x 5.570 x 1.000	1.842 x 5.620 x 1.000	1.842 x 5.980 x 1.000	1.842 x 5.980 x 1.000	1.842 x 6.340 x 1.000	1.842 x 6.340 x 1.000
Net weight		kg	1.005	1.065	1.065	1.125	1.125	1.260	1.260	1.275	1.335	1.335	1.380	1.440	1.440	1.500	1.500
Piping connections [3]	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)	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)	1-1/2 (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)	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)	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.	26,1 / 54,4968	27,3 / 57,0024	27,3 / 57,0024	28,5 / 59,508	28,5 / 59,508	33,2 / 69,3216	33,2 / 69,3216	32,9 / 68,6952	35,6 / 74,3328	34,1 / 19,836	35,8 / 68,6952	36,8 / 19,836	36,8 / 76,8384	38,0 / 79,344	38,0 / 79,344
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)	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	Cooling Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heating Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18

1) Data obtained with setting by Panasonic commissioning. 2) Tentative data. 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.

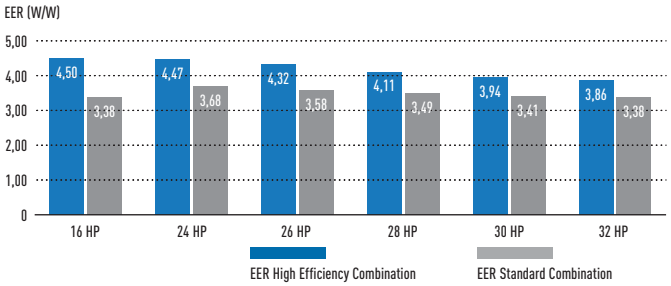
Rating Conditions: Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. (DB: Dry Bulb; WB: Wet Bulb)
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu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

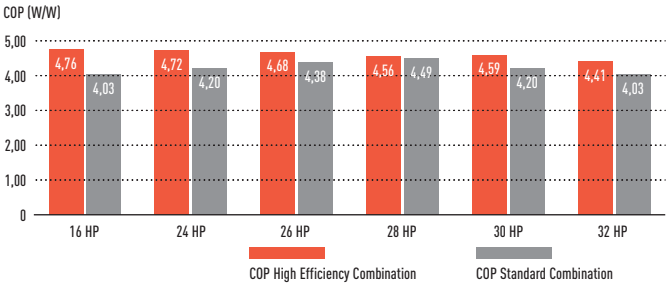
3-PIPE ECOi MF2 6N SERIES

Simultaneous heating and cooling VRF system.
The Panasonic 3-Pipe MF2 Series offers the best solution for the most demanding customers.

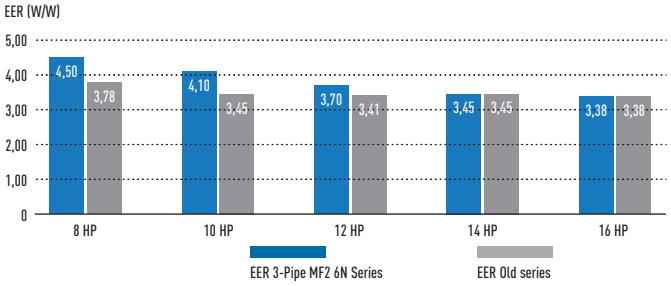
- The 3-Pipe units have only one chassis size, with a very small footprint (only 0,93m²)
- 1 body for all sizes: 1.758 x 1.000 x 930mm, for 8, 10, 12, 14 and 16 HP
- Maximum capacity size as 48 HP by 3 unit combinations
- Up to 52 indoor units connectable
- Connectable indoor/outdoor unit capacity ratio up to 150 %

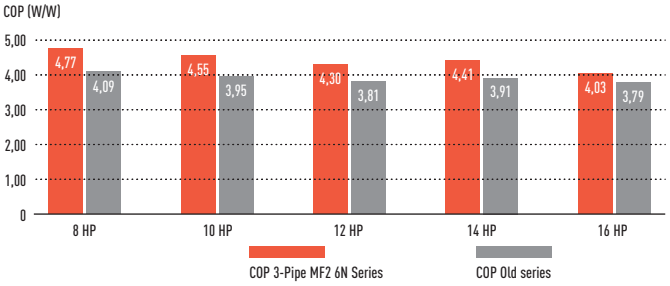
Market-leading COP (at full load), High Efficiency Combination.





Market-leading COP (at full load), standard efficiency.

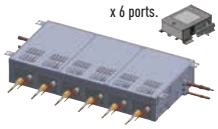




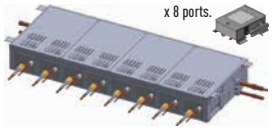
3-Pipe Control Box Kit / Multiple connection type

New Heat Recovery Box to connect multiple indoor units with just one box, 4, 6 and up to 8 indoor units or groups.
This is good advantage specially in hotel applications, where space for connecting several boxes is limited.

CZ-P456HR3
CZ-P4160HR3



CZ-P656HR3



CZ-P856HR3

CZ-P56HR3
Up to 5,6 kW

CZ-P160HR3
Up to 16,0 kW

KIT-P56HR3
(CZ-P56HR3+CZ-CAPE2)

KIT-P160HR3
(CZ-P160HR3+CZ-CAPE2)

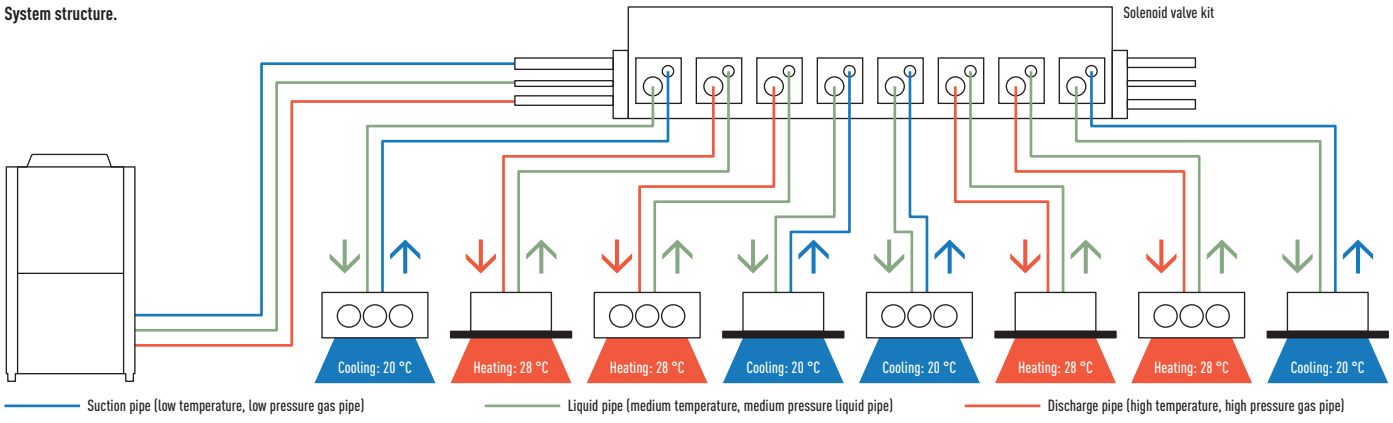
CZ-CAPE2*
3-Pipe control PCB

* For wall mounted. Must be added to the CZ-P56HR3 or CZ-P160HR3.

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.



3-Pipe ECOi MF2 6N Series Outdoor Units

Solenoid valve kit		
KIT-P56HR3	KIT-P56HR3	3-Pipe control Solenoid valve kit (up to 5,6 kW)
	CZ-P56HR3	Solenoid valve kit (up to 5,6 kW)
	CZ-CAPE2	3-Pipe control PCB
KIT-P160HR3	KIT-P160HR3	3-Pipe control Solenoid valve kit (from 5,6 to 10,6 kW)
	CZ-P160HR3	Solenoid valve kit (up to 16,0 kW)
	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 5,6 kW)
CZ-P656HR3	6 ports 3 pipe box (up to 5,6 kW)
CZ-P856HR3	8 ports 3 pipe box (up to 5,6 kW)
CZ-P4160HR3	4 ports 3 pipe box (up to 16,0 kW)

HIGH COP · INVERTER+ · -20°C HEATING MODE · 5 YEARS COMPRESSOR WARRANTY

3-Pipe ECOi MF2 6N Series 8-16 HP

HP			8 HP	10 HP	12 HP	14 HP	16 HP
Standard model			U-8MF2E8	U-10MF2E8	U-12MF2E8	U-14MF2E8	U-16MF2E8
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	22,4	28,0	33,5	40,0	45,0
EER [1]		W/W	4,50	4,10	3,70	3,45	3,38
Running current	380 / 400 / 415 V	A	8,60 / 8,20 / 8,00	11,3 / 10,8 / 10,6	15,1 / 14,5 / 14,1	19,2 / 18,4 / 17,9	22,0/ 21,1 / 20,6
Input power		kW	4,98	6,83	9,05	11,00	13,00
Heating capacity		kW	25,0	31,5	37,5	45,0	50,0
COP [1]		W/W	4,77	4,55	4,30	4,41	4,03
Running current	380 / 400 / 415 V	A	8,95 / 8,50 / 8,30	11,6 / 11,0 / 10,7	14,7 / 14,1 / 13,8	17,0 / 16,4 / 15,9	20,7 / 19,9 / 19,4
Input power		kW	5,24	6,92	8,72	10,2	12,4
Air volume		m^3/min	158	178	212	212	212
Sound pressure	Hi / Lo	dB(A)	57,0 / 54,0	59,0 / 56,0	61,0 / 58,0	62,0 / 59,0	62,0 / 59,0
Dimensions / Net weight	H x W x D	mm / kg	1.758 x 1.000 x 930 / 269	1.758 x 1.000 x 930 / 269	1.758 x 1.000 x 930 / 314	1.758 x 1.000 x 930 / 322	1.758 x 1.000 x 930 / 322
Piping connections	Suction pipe	Inch (mm)	3/4 (19,05)	7/8 (22,22)	1 (25,40)	1 (25,40)	1-1/8 (28,58)
	Discharge pipe	Inch (mm)	5/8 (15,88)	3/4 (19,05)	3/4 (19,05)	7/8 (22,22)	7/8 (22,22)
	Liquid pipe	Inch (mm)	3/8 (9,52)	3/8 (9,52)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)
	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)		kg / TCO_2 Eq.	8,3 / 17,3304	8,5 / 17,748	8,8 / 18,3744	9,3 / 19,4184	9,3 / 19,4184
Operating range	Cooling Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous operation	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

1) EER and COP classification is at 400 V in accordance with EU directive 2002/31/EC.

Solenoid valve kit		
KIT-P56HR3	KIT-P56HR3	3-Pipe control Solenoid valve kit (up to 5,6 kW)
	CZ-P56HR3	Solenoid valve kit (up to 5,6 kW)
	CZ-CAPE2	3-Pipe control PCB
KIT-P160HR3	KIT-P160HR3	3-Pipe control Solenoid valve kit (from 5,6 to 10,6 kW)
	CZ-P160HR3	Solenoid valve kit (up to 16,0 kW)
	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 5,6 kW)
CZ-P656HR3	6 ports 3 pipe box (up to 5,6 kW)
CZ-P856HR3	8 ports 3 pipe box (up to 5,6 kW)
CZ-P4160HR3	4 ports 3 pipe box (up to 16,0 kW)

INVERTER+ · -20°C HEATING MODE · 5 YEARS COMPRESSOR WARRANTY

3-Pipe ECOi MF2 6N Series combination from 18 to 48 HP

HP			18 HP	20 HP	22 HP	24 HP	26 HP	28 HP	30 HP	32 HP	34 HP	36 HP	38 HP	40 HP	42 HP	44 HP	46 HP	48 HP
Standard model			U-8MF2E8 U-10MF2E8	U-8MF2E8 U-12MF2E8	U-8MF2E8 U-14MF2E8	U-8MF2E8 U-16MF2E8	U-12MF2E8 U-14MF2E8	U-14MF2E8 U-14MF2E8	U-14MF2E8 U-16MF2E8	U-16MF2E8 U-16MF2E8	U-8MF2E8 U-12MF2E8 U-14MF2E8	U-8MF2E8 U-14MF2E8 U-14MF2E8	U-8MF2E8 U-14MF2E8 U-16MF2E8	U-8MF2E8 U-16MF2E8 U-16MF2E8	U-14MF2E8 U-14MF2E8 U-14MF2E8	U-14MF2E8 U-14MF2E8 U-16MF2E8	U-14MF2E8 U-16MF2E8 U-16MF2E8	U-16MF2E8 U-16MF2E8 U-16MF2E8
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	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	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	50	50	50	50	50	50	50	50
Cooling capacity		kW	50,4	56,0	61,5	68,0	73,0	78,5	85,0	90,0	96,0	101,0	107,0	113,0	118,0	124,0	130,0	135,0
EER [1]		W/W	4,27	3,97	3,80	3,68	3,58	3,49	3,41	3,38	3,74	3,66	3,60	3,55	3,48	3,43	3,40	3,38
Running current	380 V	A	19,7	23,8	27	30,9	33,7	37,2	41,1	43,9	42,9	46,1	49,6	53,1	56	59,6	63,8	65,9
	400 V	A	18,9	22,9	26	29,7	32,4	35,7	39,5	42,2	41,2	44,3	47,6	51	53,8	57,3	61,3	63,3
	415 V	A	18,4	22,3	25,3	28,9	31,5	34,8	38,5	41,1	39,7	43,1	46,4	49,7	52,4	55,8	59,7	61,7
Input power		kW	11,8	14,1	16,2	18,5	20,4	22,5	24,90	26,6	25,7	27,6	29,7	31,8	33,9	36,1	38,2	39,9
Heating capacity		kW	56,5	63,0	69,0	76,5	81,5	87,5	95,0	100,0	108,0	113,0	119,0	127,0	132,0	138,0	145,0	150,0
COP [1]		W/W	4,63	4,47	4,57	4,20	4,38	4,49	4,20	4,03	4,44	4,52	4,33	4,12	4,46	4,30	4,14	4,03
Running current	380 V	A	20,4	23,8	25,2	30,4	31,1	32,6	37,7	41,7	41	41,6	46,1	52,2	49,3	53,8	58,8	62,6
	400 V	A	19,6	22,9	24,2	29,2	29,8	31,3	36,2	40,1	39,4	39,9	44,3	49,6	47,3	51,6	56,5	60,1
	415 V	A	19,1	22,3	23,6	28,5	29,1	30,5	35,3	39,1	38,4	38,9	43,1	47,8	46,1	50,3	55	58,6
Input power		kW	12,2	14,1	15,1	18,2	18,6	19,5	22,6	24,8	24,3	25,0	27,5	30,8	29,6	32,1	35,0	37,2
Air volume		m^3/min	336	370	370	370	424	424	424	424	582	582	582	582	636	636	636	636
Sound pressure	Hi / Lo	dB(A)	61,0 / 58,0	62,5 / 59,5	63,0 / 60,0	63,0 / 60,0	64,5 / 61,5	65,0 / 62,0	65,0 / 62,0	65,0 / 62,0	65,0 / 62,0	65,5 / 62,5	65,5 / 62,5	65,5 / 62,5	67,0 / 64,0	67,0 / 64,0	67,0 / 64,0	67,0 / 64,0
Dimensions	H x W x D	mm	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 2.060 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930
Net weight		kg	538	538	591	591	636	644	644	644	905	913	913	913	966	966	966	966
Piping connections	Suction pipe	Inch (mm)	1-1/8 (28,58)	1-1/8 (28,58)	1-1/8 (28,58)	1-1/8 (28,58)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1-1/2 (38,10)	1-1/2 (38,10)	1-1/2 (38,10)	1-1/2 (38,10)	1-1/2 (38,10)	1-1/2 (38,10)	1-1/2 (38,10)
	Discharge pipe	Inch (mm)	7/8 (22,22)	7/8 (22,22)	1 (25,40)	1 (25,40)	1 (25,40)	1-1/8 (28,58)	1-1/8 (28,58)	1-1/8 (28,58)	1-1/8 (28,58)	1-1/8 (28,58)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)
	Liquid pipe	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)
	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)	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)		kg / TCO_2 Eq.	16,8 / 35,0784	17,1 / 35,7048	17,6 / 36,7488	17,6 / 36,7488	18,1 / 37,7928	18,6 / 38,8368	18,6 / 38,8368	18,6 / 38,8368	26,4 / 55,1232	26,9 / 56,1672	26,9 / 56,1672	26,9 / 56,1672	27,9 / 58,2552	27,9 / 58,2552	27,9 / 58,2552	27,9 / 58,2552
Operating range	Cooling Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous operation	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

1) EER and COP classification is at 400 V in accordance with EU directive 2002/31/EC.

3-Pipe ECOi MF2 6N Series High Efficiency Outdoor Units

Solenoid valve kit		
KIT-P56HR3	KIT-P56HR3	3-Pipe control Solenoid valve kit (up to 5,6 kW)
	CZ-P56HR3	Solenoid valve kit (up to 5,6 kW)
	CZ-CAPE2	3-Pipe control PCB
KIT-P160HR3	KIT-P160HR3	3-Pipe control Solenoid valve kit (from 5,6 to 10,6 kW)
	CZ-P160HR3	Solenoid valve kit (up to 16,0 kW)
	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 5,6 kW)
CZ-P656HR3	6 ports 3 pipe box (up to 5,6 kW)
CZ-P856HR3	8 ports 3 pipe box (up to 5,6 kW)
CZ-P4160HR3	4 ports 3 pipe box (up to 16,0 kW)

HIGH COP · INVERTER+ · -20°C HEATING MODE · 5 YEARS COMPRESSOR WARRANTY

3-Pipe ECOi MF2 6N Series High Efficiency combination 16 to 32 HP

HP			16 HP	24 HP	26 HP	28 HP	30 HP	32 HP
High Efficiency model			U-8MF2E8 U-8MF2E8	U-8MF2E8 U-8MF2E8 U-8MF2E8	U-8MF2E8 U-8MF2E8 U-10MF2E8	U-8MF2E8 U-8MF2E8 U-12MF2E8	U-8MF2E8 U-8MF2E8 U-14MF2E8	U-8MF2E8 U-12MF2E8 U-12MF2E8
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	45,0	68,0	73,0	78,5	85,0	90,0
EER [1]		W/W	4,50	4,47	4,32	4,11	3,94	3,86
Running current	380 / 400 / 415 V	A	17,3 / 16,4 / 16,0	26,2 / 24,9 / 24,3	28,5 / 27,4 / 26,7	32,2 / 31,0 / 30,2	36,5 / 35,0 / 34,1	38,9 / 37,4 / 36,4
Input power		kW	10,0	15,2	16,9	19,1	21,6	23,3
Heating capacity		kW	50,0	76,5	81,5	87,5	95,0	100,0
COP [1]		W/W	4,76	4,72	4,68	4,56	4,59	4,41
Running current	380 / 400 / 415 V	A	17,9 / 17,0 / 16,6	27,7 / 26,3 / 25,6	29,4 / 27,9 / 27,5	32,4 / 31,1 / 30,4	35,0 / 33,6 / 32,7	38,3 / 36,8 / 35,9
Input power		kW	10,5	16,2	17,4	19,2	20,7	22,7
Air volume		m^3/min	316	474	494	528	528	582
Sound pressure	Hi / Lo	dB(A)	60,0 / 57,0	62,0 / 59,0	62,5 / 59,5	63,5 / 60,5	64,0 / 61,0	65,0 / 62,0
Dimensions (Combination)	H x W x D	mm	1.758 x 2.060 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930	1.758 x 3.120 x 930
Net weight		kg	538	807	807	852	860	897
Piping connections	Suction pipe	Inch (mm)	1-1/8 (28,58)	1-1/8 (28,58)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)	1 1/4 (31,75)
	Discharge pipe	Inch (mm)	7/8 (22,22)	1 (25,40)	1 (25,40)	1-1/8 (28,58)	1-1/8 (28,58)	1-1/8 (28,58)
	Liquid pipe	Inch (mm)	1/2 (12,70)	5/8 (15,88)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)	3/4 (19,05)
	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)		kg / TCO_2 Eq.	16,6 / 34,6608	24,9 / 51,9912	25,1 / 52,4088	25,4 /53,0352	25,9 / 54,0792	25,9 / 54,0792
Operating range	Cooling Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heating Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous operation	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24

1) EER and COP classification is at 400 V in accordance with EU directive 2002/31/EC.

Mini ECOi Outdoor Unit

BLUEFIN: For U-8LE1E8 and U-10LE1E8.

INVERTER+ · -20°C HEATING MODE · BLUEFIN · 5 YEARS COMPRESSOR WARRANTY

Mini ECOi High Efficiency

HP			4 HP						5 HP						6 HP						8 HP			10 HP		
Model			U-4LE1E5			U-4LE1E8			U-5LE1E5			U-5LE1E8			U-6LE1E5			U-6LE1E8			U-8LE1E8*			U-10LE1E8*		
Power supply	Voltage	V	220	230	240	380	400	415	220	230	240	380	400	415	220	230	240	380	400	415	380	400	415	380	400	415
	Phase		Single Phase			Three Phase			Single Phase			Three Phase			Single Phase			Three Phase			Three Phase			Three Phase		
	Frequency	Hz	50			50			50			50			50			50			50			50		
Cooling capacity		kW	12,1			12,1			14,0			14,0			15,5			15,5			22,40			28,00		
EER [1]		**W/W**	**4,30**			**4,30**			**4,20**			**4,20**			**3,45**			**3,45**			**3,80**			**3,11**		
Running amperes		A	13,9	13,3	12,7	4,9	4,7	4,5	16,3	15,6	14,9	5,7	5,4	5,2	21,5	20,5	19,7	7,5	7,1	6,9	9,60	9,15	8,80	14,70	14,00	13,50
Input power cooling		kW	2,81			2,81			3,33			3,33			4,49			4,49			5,89			9,00		
Heating capacity		kW	12,5			12,5			16,0			16,0			18,0			18,0			25,00			28,00		
COP [1]		**W/W**	**4,62**			**4,62**			**4,30**			**4,30**			**3,95**			**3,95**			**4,02**			**3,93**		
Running amperes		A	13,2	12,7	12,1	4,7	4,5	4,3	18,0	17,2	16,5	6,3	6,0	5,8	21,6	20,7	19,8	7,5	7,2	6,9	10,20	9,65	9,30	11,60	11,10	10,70
Input power heating		kW	2,71			2,71			3,72			3,72			4,56			4,56			6,22			7,13		
Starting amperes		A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1,00			1,00		
Maximum amperes		A	21,0	21,0	21,0	8,5	8,5	8,5	24,5	24,5	24,5	10,0	10,0	10,0	28,0	28,0	28,0	12,0	12,0	12,0	13,70			19,60		
Maximum Input power		kW	4,44	4,64	4,84	5,15	5,42	5,62	5,17	5,41	5,64	6,06	6,37	6,61	5,91	6,18	6,45	7,27	7,65	7,94	9,16			13,10		
Maximum number of connectable indoor units			6			6			8			8			9			9			15 [2]			15 [2]		
External static pressure		Pa	0 ~ 35			0 ~ 35			0 ~ 35			0 ~ 35			0 ~ 35			0 ~ 35			0 ~ 35			0 ~ 35		
Air volume	Cooling / Heating	m^3/min	95			95			104			104			104			104			150			160		
Sound pressure	Cooling	dB(A)	50 / 47			50 / 47			51 / 48			51 / 48			52 / 49			52 / 49			60			63		
	Cooling (Silent 1 / 2 / 3)	dB(A)	–			–			–			–			–			–			57 / 55 / 53			60 / 58 / 56		
	Heating	dB(A)	52 / 49			52 / 49			53 / 50			53 / 50			55 / 52			55 / 52			64			65		
Dimensions	H x W x D	mm	1.330 x 940 x 340			1.330 x 940 x 340			1.330 x 940 x 340			1.330 x 940 x 340			1.330 x 940 x 340			1.330 x 940 x 340			1.500 x 980 x 370			1.500 x 980 x 370		
Net weight		kg	104			103			104			103			104			103			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) [3] / 1/2 (12,70) [4]			3/8 (9,52) [3] / 1/2 (12,70) [4]		
	Gas pipe	Inch (mm)	5/8 (15,88)			5/8 (15,88)			5/8 (15,88)			5/8 (15,88)			3/4 (19,05)			3/4 (19,05)			3/4 (19,05) [3] / 7/8 (22,22) [4]			7/8 (22,22) [3] / 1 (25,40) [4]		
Max piping length range (total)		m	–			–			–			–			–			–			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)		
Refrigerant (R410A)		kg / TCO_2 Eq.	3,5 / 7,308			3,5 / 7,308			3,5 / 7,308			3,5 / 7,308			3,5 / 7,308			3,5 / 7,308			6,3 (24,0) / 13,1544			6,6 (24,0) / 13,7808		
Maximum allowable indoor / outdoor capacity ratio		%	–			–			–			–			–			–			50 ~ 130			50 ~ 130		
Operating range	Cooling Min ~ Max	°C	-10 ~ +46			-10 ~ +46			-10 ~ +46			-10 ~ +46			-10 ~ +46			-10 ~ +46			-10 ~ +46			-10 ~ +46		
	Heating Min ~ Max	°C	-20 ~ +24 / -20 ~ +18			-20 ~ +24 / -20 ~ +18			-20 ~ +24 / -20 ~ +18			-20 ~ +24 / -20 ~ +18			-20 ~ +24 / -20 ~ +18			-20 ~ +24 / -20 ~ +18			-20 ~ +18			-20 ~ +18		

1) EER and COP classification is at 400 V in accordance with EU directive 2002/31/EC. 2) 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. 3) Under 90m for ultimate indoor unit. 4) 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.* Tentative data.

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

THE SOLUTION FOR CHILLED AND HOT WATER PRODUCTION!

ECOi from 28 kW to 50 kW

Key benefits:

- No cascade installation up to 51,3 kW
- Full line-up of outdoor units which can cover up to 63 kW heat demand
- Large choice of remote controls and interfaces
- 3,25 COP with water at 45 °C and outdoor temperature of +7 °C

With ECOi outdoor units

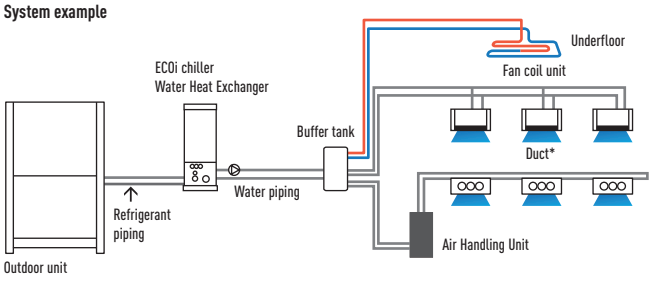
- Maximum hot water outlet temperature: 45 °C
- Minimum chilled water outlet temperature: 5 °C
- Outdoor temperature range in cooling mode: +5 °C to +43 °C
- Outdoor temperature range in heating mode: -11 °C to +15 °C

ECOi Water Heat Exchanger

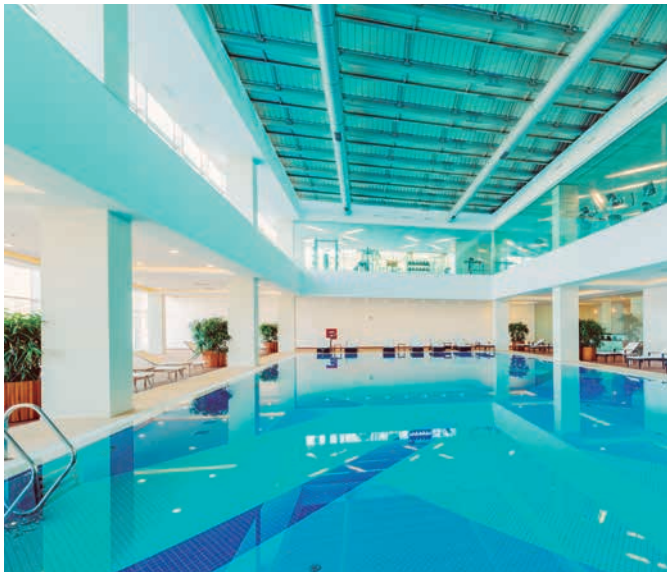
Electrical VRF with Water Heat Exchanger

- With this easy to install Water Heat Exchanger unit, you can now cover projects up to 63 kW hot water demand or 44 kW on chilled application on a efficient way and cost effective.

System example



A Buffer tank of minimum 280l for 28 kW and 500l for 50 kW is always needed.



Water Heat Exchanger

ECOi 2-Pipe with Water Heat Exchanger for chilled and hot water production

Hydrokit with A class water pump*			**PAW-250WX4E5N**	**PAW-500WX4E5N**
Hydrokit without pump			**PAW-250WX4E5N2**	**PAW-500WX4E5N2**
Cooling capacity at 35 °C, water outlet 7 °C		kW	25,0	50,0
Heating capacity		kW	28,0	56,0
Heating capacity at +7 °C, heating water temperature at 45 °C		kW	28,0	56,0
COP at +7 °C with heating water temperature at 45 °C		W/W	2,97	3,10
Heating Energy Efficiency class at 35 °C			A+	A++
Dimensions	H x W x D	mm	1.010 x 570 x 960	1.010 x 570 x 960
Net weight		kg	120	145
Water pipe connector			Rp2 Female Thread (50A)	Rp2 Female Thread (50A)
Heating water flow (ΔT=5 K. 35 °C)		m^3/h	4,3	8,6
Capacity of integrated electric heater		kW	Not equipped	Not equipped
Input power		kW	0,01 + (min. 0,05 / max. 0,13 for water pump)	0,01 + (min. 0,19 / max. 0,31 for water pump)
Maximum current		A	0,07 + (min. 0,37 / max. 0,95 for water pump)	0,07 + (min. 0,88 / max. 1,37 for water pump)
Outdoor Unit			**U-10ME2E8**	**U-20ME2E8**
Sound pressure		dB(A)	59	63
Dimensions / Net weight	H x W x D	mm / kg	1.758 x 770 x 930 / 234	1.758 x 1.540 x 930 / 421
Piping connections	Liquid pipe / Gas pipe	Inch (mm)	3/8 (9,52) / 7/8 (22,22)	5/8 (15,88) / 1-1/8 (28,58)
Refrigerant (R410A)		kg	6,8 *Need Additional gas amount at site	9,0 *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	Heating Min ~ Max	°C	-11 ~ +15[1]	-11 ~ +15[1]
Water outlet at 5 / 15[2]		°C	35 ~ 45	35 ~ 45

* PAW-250WX4E5N includes pump with 0-10 Volt Control by default / PAW-500WX4E5N includes pump with 0-10 Volt with optional IF.
1) With accessory low temperature kit -25 ~ +15 °C.
Performance calculation in agreement with Eurovent. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height.

Aquarea Air Radiators

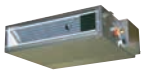
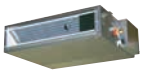
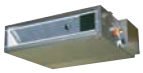
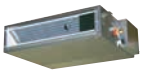
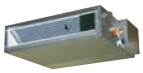
AQUAREA AIR

Aquarea Air Radiators. Fan Coils for Heat Pump application

Fan Coils for Heat Pump application		**PAW-AAIR-200-1**					**PAW-AAIR-700-1**					**PAW-AAIR-900-1**				
Total heating capacity	W	138	160	217	470	570	223	360	708	1.032	1.188	273	475	886	1.420	1.703
Water flow	kg/h	23,7	27,5	37,3	80,8	98,0	38,4	61,9	121,8	177,5	204,3	47,0	81,7	152,4	244,2	292,9
Water pressure drop	kPa	0,1	0,2	0,4	2,0	2,9	0,1	0,1	0,3	0,8	1,0	0,1	0,2	0,5	1,6	2,2
Air flow	m^3/min	0,5	0,6	0,9	1,9	2,7	0,7	1,4	2,6	4,2	5,3	0,9	1,8	4,1	6,1	7,7
	Speed	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max
Maximum input power	W	2	5	7	9	13	3	9	14	18	22	3	11	16	20	24
Sound pressure	dB(A)	17,6	18,8	24,7	33,2	39,4	18,4	19,6	25,8	34,1	40,2	18,4	22,3	26,2	34,4	42,2
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
Outlet air temperature	°C	34,5	32,6	38,9	32,0	30,0	34,9	32,4	33,3	31,8	30,6	34,8	32,5	30,2	31,1	30,6
Dimensions (H x W x D)	mm	579 x 735 x 129					579 x 935 x 129					579 x 1.135 x 129				
Weight	kg	17					20					23				
3 ways valve included		Yes					Yes					Yes				
Touch screen thermostat		Yes					Yes					Yes				

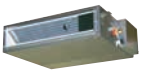
Rating Conditions: Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB. Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. (DB: Dry Bulb; WB: Wet Bulb)
Specifications subject to change without notice. For detailed information about ErP, please visit our websites www.aircon.panasonic.eu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

ECOi AND ECO G SYSTEMS INDOOR UNITS RANGE

	1,5 kW	2,2 kW	2,8 kW	3,0 kW	3,6 kW	4,0 kW	4,5 kW
NEW U2 Type. 4 Way 90x90 Cassette (NEW TECHNOLOGY '17)		 S-22MU2E5A	 S-28MU2E5A		 S-36MU2E5A		 S-45MU2E5A
U1 Type. 4 Way 90x90 Cassette		 S-22MU1E5A	 S-28MU1E5A		 S-36MU1E5A		 S-45MU1E5A
Y2 Type. 4 Way 60x60 Cassette	 S-15MY2E5A	 S-22MY2E5A	 S-28MY2E5A		 S-36MY2E5A		 S-45MY2E5A
L1 Type. 2 Way Cassette		 S-22ML1E5	 S-28ML1E5		 S-36ML1E5		 S-45ML1E5
D1 Type. 1 Way Cassette			 S-28MD1E5		 S-36MD1E5		 S-45MD1E5
F2 Type. Variable Static Pressure Hide Away	 S-15MF2E5A	 S-22MF2E5A	 S-28MF2E5A		 S-36MF2E5A		 S-45MF2E5A
M1 Type. Slim Variable Static Pressure Hide Away	 S-15MM1E5A	 S-22MM1E5A	 S-28MM1E5A		 S-36MM1E5A		 S-45MM1E5A
E2 Type. High Static Pressure Hide Away							
Heat Recovery with DX Coil				 PAW-500ZDX2N		 PAW-800ZDX2N	 PAW-01KZDX2N
T2 Type. Ceiling					 S-36MT2E5A		 S-45MT2E5A
K2/K1 Type. Wall Mounted	S-15MK2E5A	S-22MK2E5A	S-28MK2E5A		S-36MK2E5A		 S-45MK1E5A
P1 Type. Floor Standing		 S-22MP1E5	 S-28MP1E5		 S-36MP1E5		 S-45MP1E5
R1 Type. Concealed Floor Standing		 S-22MR1E5	 S-28MR1E5		 S-36MR1E5		 S-45MR1E5
Hydrokit for ECOi, water at 45 °C							

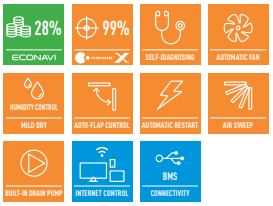
Wide choice of models depending on the indoor requirements.

	16,0 kW	28,0 kW	56,0 kW	84,0 kW	112,0 kW	140,0 kW	168,0 kW
AHU Connection Kit 16, 28 and 56 kW	 PAW-160MAH2	 PAW-280MAH2	 PAW-560MAH2	 PAW-280MAH2 + PAW-560MAH2	 PAW-560MAH2 x 2	 PAW-280MAH2 + PAW-560MAH2 x 2	 PAW-560MAH2 x 3

5,6 kW	6,0 kW	7,3 kW	9,0 kW	10,6 kW	14,0 kW	16,0 kW	22,4 kW	28,0 kW
 S-56MU2E5A	 S-60MU2E5A	 S-73MU2E5A	 S-90MU2E5A	 S-106MU2E5A	 S-140MU2E5A	 S-160MU2E5A		
 S-56MU1E5A	 S-60MU1E5A	 S-73MU1E5A	 S-90MU1E5A	 S-106MU1E5A	 S-140MU1E5A	 S-160MU1E5A		
 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-56MK1E5A		 S-73MK1E5A		 S-106MK1E5A				
 S-56MP1E5		 S-71 mP1E5						
 S-56MR1E5		 S-71 mR1E5						
			 S-80MW1E5		 S-125MW1E5			

	11,4 kW	25,0 kW	31,5 kW	37,5 kW
Air Curtain Jet-Flow with DX Coil	 PAW-10EAIRC-MJ	 PAW-15EAIRC-MJ	 PAW-20EAIRC-MJ	 PAW-25EAIRC-MJ
Air Curtain Standard with DX Coil	 PAW-10EAIRC-MS		 PAW-20EAIRC-MS	

VRF Systems Indoor Units



U2 Type 4 Way 90x90 Cassette[1]

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
Panel			CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3	CZ-KPU3
Econavi Panel			CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A	CZ-KPU3A
Cooling capacity		kW	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	10,6	14,0	16,0
Input power cooling		W	20	20	20	20	25	35	40	40	95	100	115
Operating current cooling		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	2,5	3,2	4,2	5,0	6,3	7,1	8,0	10,0	11,4	16,0	18,0
Input power heating		W	20	20	20	20	25	35	40	40	85	100	105
Operating current heating		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	14,5 / 13,0 / 11,5	14,5 / 13,0 / 11,5	14,5 / 13,0 / 11,5	15,5 / 13,0 / 11,5	17,0 / 13,5 / 11,5	21,0 / 16,0 / 13,0	22,5 / 16,0 / 13,0	23,0 / 18,5 / 14,0	35,0 / 26,0 / 20,0	36,0 / 27,0 / 21,5	37,0 / 29,0 / 25,0
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
Dimensions	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
(H x W x D)	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	21	21	21	21	21	21	21	25	25	25
Pipe 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 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)

* Sound pressure with no refrigerant flow.

ECONAVI, nanoe™ X and INTERNET CONTROL: Optional.

U1 Type 4 Way 90x90 Cassette

Model			S-22MU1E5A	S-28MU1E5A	S-36MU1E5A	S-45MU1E5A	S-56MU1E5A	S-60MU1E5A	S-73MU1E5A	S-90MU1E5A	S-106MU1E5A	S-140MU1E5A	S-160MU1E5A
Cooling capacity		kW	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	10,6	14,0	16,0
Input power cooling		W	20	20	20	20	25	35	40	40	95	100	115
Operating current cooling		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	2,5	3,2	4,2	5,0	6,3	7,1	8,0	10,0	11,4	16,0	18,0
Input power heating		W	20	20	20	20	25	35	40	40	85	100	105
Operating current heating		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	14,0 / 12,0 / 11,0	14,0 / 12,0 / 11,0	14,0 / 12,0 / 11,0	15,0 / 13,0 / 12,0	16,0 / 13,5 / 12,0	21,0 / 17,0 / 14,0	22,0 / 17,0 / 14,0	23,0 / 19,0 / 15,0	33,0 / 27,0 / 21,0	35,0 / 28,0 / 22,0	36,0 / 29,0 / 23,0
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	47 / 46 / 45	47 / 46 / 45	47 / 46 / 45	48 / 46 / 45	50 / 47 / 45	53 / 49 / 46	54 / 49 / 46	55 / 52 / 49	61 / 55 / 51	62 / 55 / 51	63 / 56 / 53
Dimensions	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
(H x W x D)	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	23 (4)	23 (4)	23 (4)	23 (4)	23 (4)	24 (4)	24 (4)	24 (4)	27 (4)	27 (4)	27 (4)
Pipe 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.

Y2 Type 4 Way 60x60 Cassette

Model[1]			S-15MY2E5A	S-22MY2E5A	S-28MY2E5A	S-36MY2E5A	S-45MY2E5A	S-56MY2E5A
Cooling capacity		kW	1,5	2,2	2,8	3,6	4,5	5,6
Input power cooling		W	35	35	35	40	40	45
Operating current cooling		A	0,30	0,30	0,30	0,30	0,32	0,35
Heating capacity		kW	1,7	2,5	3,2	4,2	5,0	6,3
Input power heating		W	30	30	30	35	35	40
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
Air volume	Cooling	m³/min	8,9 / 8,2 / 5,6	9,1 / 8,2 / 5,6	9,3 / 8,4 / 5,6	9,7 / 8,7 / 6,0	10,0 / 9,3 / 8,2	10,4 / 9,8 / 8,5
(Hi / Med / Lo)	Heating	m³/min	9,1 / 8,4 / 5,6	9,3 / 8,4 / 5,6	9,6 / 8,7 / 5,6	9,9 / 9,1 / 6,0	10,3 / 9,6 / 8,2	11,1 / 9,8 / 8,7
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
Dimensions	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
(H x W x D)	Panel 3A / 3B	mm	31 x 700 x 700 / 31 x 625 x 625	31 x 700 x 700 / 31 x 625 x 625	31 x 700 x 700 / 31 x 625 x 625	31 x 700 x 700 / 31 x 625 x 625	31 x 700 x 700 / 31 x 625 x 625	31 x 700 x 700 / 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)
Pipe connections	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)

ECONAVI and INTERNET CONTROL: Optional.

L1 Type 2 Way Cassette

Model			S-22ML1E5	S-28ML1E5	S-36ML1E5	S-45ML1E5	S-56ML1E5	S-73ML1E5
Cooling capacity		kW	2,2	2,8	3,6	4,5	5,6	7,3
Input power cooling		W	90	92	93	97	97	145
Operating current cooling		A	0,45	0,45	0,45	0,45	0,45	0,65
Heating capacity		kW	2,5	3,2	4,2	5,0	6,3	8,0
Input power heating		W	58	60	61	65	65	109
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	8,0 / 7,0 / 6,0	9,0 / 8,0 / 7,0	9,7 / 8,7 / 7,7	11,0 / 9,0 / 8,0	11,0 / 9,0 / 8,0	19,0 / 16,0 / 14,0
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
Dimensions	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 1.140 x 600
(H x W x D)	Panel	mm	8 x 1.060 x 680	8 x 1.060 x 680	8 x 1.060 x 680	8 x 1.060 x 680	8 x 1.060 x 680	8 x 1.360 x 680
Net weight (Panel)		kg	23 (5,5)	23 (5,5)	23 (5,5)	23 (5,5)	23 (5,5)	30 (9)
Pipe 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)
	Gas	Inch (mm)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)

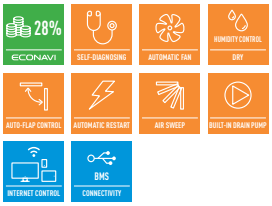
* For S-73ML1E5.

ECONAVI and INTERNET CONTROL: Optional.

D1 Type 1 Way Cassette

Model			S-28MD1E5	S-36MD1E5	S-45MD1E5	S-56MD1E5	S-73MD1E5
Cooling capacity		kW	2,8	3,6	4,5	5,6	7,3
Input power cooling		W	51	51	51	60	87
Operating current cooling		A	0,39	0,39	0,39	0,46	0,70
Heating capacity		kW	3,2	4,2	5,0	6,3	8,0
Input power heating		W	40	40	40	48	76
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	m^3/min	12,0 / 10,0 / 9,0	12,0 / 10,0 / 9,0	12,0 / 11,0 / 10,0	13,0 / 11,5 / 10,0	18,0 / 15,0 / 13,0
Sound pressure	Hi / Med / Lo	dB(A)	36 / 34 / 33	36 / 34 / 33	36 / 35 / 34	38 / 36 / 34	45 / 40 / 36
Dimensions	Indoor	mm	200 x 1.000 x 710	200 x 1.000 x 710	200 x 1.000 x 710	200 x 1.000 x 710	200 x 1.000 x 710
(H x W x D)	Panel	mm	20 x 1.230 x 800	20 x 1.230 x 800	20 x 1.230 x 800	20 x 1.230 x 800	20 x 1.230 x 800
Net weight (Panel)		kg	21 (5,5)	21 (5,5)	21 (5,5)	21 (5,5)	22 (5,5)
Pipe connections	Liquid	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	3/8 (9,52)
	Gas	Inch (mm)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)

ECONAVI and INTERNET CONTROL: Optional.



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	1,5	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	10,6	14,0	16,0
Input power cooling		W	70	70	70	70	70	100	120	120	135	195	215	225
Operating current cooling		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	1,7	2,5	3,2	4,2	5,0	6,3	7,1	8,0	10,0	11,4	16,0	18,0
Input power heating		W	70	70	70	70	70	100	120	120	135	200	210	225
Operating current heating		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	m^3/min	14,0 / 13,0 / 9,0	14,0 / 13,0 / 9,0	14,0 / 13,0 / 9,0	14,0 / 13,0 / 9,0	14,0 / 13,0 / 10,0	16,0 / 15,0 / 12,0	21,0 / 19,0 / 15,0	21,0 / 19,0 / 15,0	25,0 / 23,0 / 19,0	32,0 / 26,0 / 21,0	34,0 / 29,0 / 23,0	36,0 / 32,0 / 25,0
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[2]	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[2]	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
Dimensions	H x W x D	mm	290 x 800 x 700						290 x 1.000 x 700			290 x 1.400 x 700		
Net weight		kg	29						34			46		
Pipe 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 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	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). 2) Sound pressure without refrigerant flow.

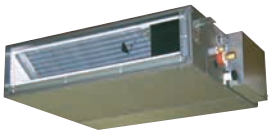
ECONAVI and INTERNET CONTROL: Optional.

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	1,5	2,2	2,8	3,6	4,5	5,6
Input power cooling		W	36	36	40	42	49	64
Operating current cooling		A	0,26	0,26	0,30	0,31	0,37	0,48
Heating capacity		kW	1,7	2,5	3,2	4,2	5,0	6,3
Input power heating		W	26	26	30	32	39	54
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	m^3/min	8,0 / 7,0 / 6,0	8,0 / 7,0 / 6,0	8,5 / 7,5 / 6,5	9,0 / 8,0 / 7,0	10,5 / 9,5 / 8,0	12,5 / 11,5 / 10,0
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
Dimensions	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
Pipe 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)
	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)

1) With booster cable using short circuit connection.

ECONAVI and INTERNET CONTROL: Optional.



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	22,4	21,2	28,0	26,5	22,4	25,0	28,0	31,5
Input power		W	290	290	350	350	440	440	715	715
Operating current		A	1,85	1,85	2,20	2,20	2,45	2,45	3,95	3,95
Air volume	Hi / Med / Lo	m^3/min	28,3 / – / –		35,0 / – / –		56,0 / 51,0 / 44,0		72,0 / 63,0 / 53,0	
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	
Dimensions	H x W x D	mm	479 x 1.453 x 1.205		479 x 1.453 x 1.205		479 x 1.453 x 1.205		479 x 1.453 x 1.205	
Net weight		kg	102		106		102		106	
Pipe connections	Liquid / Gas	Inch (mm)	3/8 (9,52) / 3/4 (19,05)		3/8 (9,52) / 7/8 (22,22)		3/8 (9,52) / 3/4 (19,05)		3/8 (9,52) / 7/8 (22,22)	

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.

ECONAVI and INTERNET CONTROL: Optional.

KIT for 100 % Fresh air function			
For 2 Way systems			
2x CZ-P160RVK2	Rap valve kit	CZ-P680BK2	Distribution Joint kit
2x CZ-CAPE2	3 way control PCB	1x Remote controller	

KIT for 100 % Fresh air function			
For 3 Way systems			
2x CZ-P160HR3	3 way valve Kit	CZ-P680BH2	Distribution Joint kit
2x CZ-CAPE2	3 way control PCB	1x Remote controller	

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

VRF Systems Indoor Units

Heat Recovery with DX Coil

Model			PAW-500ZDX2N		PAW-800ZDX2N		PAW-01KZDX2N	
Power source			230 V / Single Phase / 50 Hz		230 V / Single Phase / 50 Hz		230 V / Single Phase / 50 Hz	
Air volume	Hi / Med / Lo	m³/min	8,3 / 8,3 / 6,0		13,3 / 11,7 / 10,0		16,7 / 13,0 / 10,8	
External static pressure[1]	Hi / Med / Lo	Pa	135 / 95 / 50		115 / 45 / 25		100 / 70 / 35	
Maximum current		A	2,0		2,8		3,0	
Maximum Input power		W	135		300		310	
Sound pressure[2]	Hi / Med / Lo	dB(A)	33 / 31 / 27		38 / 36 / 32		39 / 37 / 33	
Pipe connections	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)		1/4 (6,35) / 1/2 (12,70)		1/4 (6,35) / 1/2 (12,70)	
Heat recovery			**Cooling**	**Heating**	**Cooling**	**Heating**	**Cooling**	**Heating**
Temperature / Enthalpy efficiency summer mode		%	62,5 / 60	76,5 (76,5) / 62,3 (64,1)	59 / 57	73,0 (73,0) / 59,0 (60,8)	59,5 / 57,5	73,5 (73,5) / 59,5 (61,2)
Saved power summer mode or winter mode		kW	1,7	4,3 (4,8)	2,5	6,5 (7,3)	3,2	8,2 (9,0)
DX Coil								
Total / Sensible capacity		kW	3,0 / 2,0	2,9 (3,1)	4,0 / 2,8	4,0 (4,3)	4,5 / 3,3	4,6 (5,0)
Off temperature		°C	16,5	30,1 (29,2)	17,9	27,5 (26,5)	18,6	26,3 (25,3)
Off relative humidity		%	86	16 (15)	82	18 (17)	81	19 (18)

Nominal summer conditions: Outside air: 32 °C DB, RH 50 %. Ambient air: 26 °C DB, RH 50 %. Nominal winter conditions: Outside air: -5 °C (-10 °C) DB, RH 80 %. Ambient air: 20 °C DB, RH 50 %. Cooling mode air inlet condition: 28.5 °C DB, RH 50 %; evaporating temp. 4 °C. Heating mode air inlet condition: 13 °C DB, RH 40 % (11 °C DB, RH 45 %); condensating temperature 49 °C. DB: Dry Bulb; RH: Relative Humidity.
1) Referred to the nominal air flow after filter and plate heat exchanger. 2) Referred to 1,5 m from inlet in free field condition.

ECONAVI and INTERNET CONTROL: Optional.

T2 Type Ceiling

Model			S-36MT2E5A	S-45MT2E5A	S-56MT2E5A	S-73MT2E5A	S-106MT2E5A	S-140MT2E5A
Cooling capacity		kW	3,6	4,5	5,6	7,3	10,6	14,0
Input power cooling		W	35	40	40	55	80	100
Operating current cooling		A	0,36	0,38	0,38	0,44	0,67	0,79
Heating capacity		kW	4,2	5,0	6,3	8,0	11,4	16,0
Input power heating		W	35	40	40	55	80	100
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	14,0 / 12,0 / 10,5	15,0 / 12,5 / 10,5	15,0 / 12,5 / 10,5	21,0 / 18,0 / 15,5	30,0 / 25,0 / 23,0	32,0 / 28,0 / 24,0
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
Dimensions	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 960 x 690	235 x 1.275 x 690	235 x 1.590 x 690	235 x 1.590 x 690
Net weight		kg	27	27	27	33	40	40
Pipe connections	Liquid	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	Inch (mm)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)

* Tentative data.

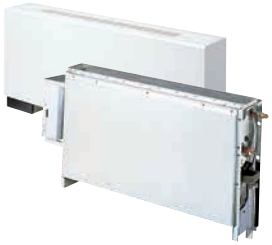
ECONAVI and INTERNET CONTROL: Optional.

K2/K1 Type Wall Mounted

Model			S-15MK2E5A	S-22MK2E5A	S-28MK2E5	S-36MK2E5	S-45MK1E5A	S-56MK1E5A	S-73MK1E5A	S-106MK1E5A
Cooling capacity		kW	1,5	2,2	2,8	3,6	4,5	5,6	7,3	10,6
Input power cooling		W	25	25	25	30	20	30	57	60
Operating current cooling		A	0,20	0,21	0,23	0,25	0,26	0,35	0,58	0,62
Heating capacity		kW	1,7	2,5	3,2	4,2	5,0	6,3	8,0	11,4
Input power heating		W	25	25	25	30	20	30	57	68
Operating current heating		A	0,20	0,21	0,23	0,25	0,26	0,35	0,58	0,70
Fan type			Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Air volume	Cooling	m³/min	7,9 / 7,4 / 6,5	9,0 / 7,5 / 6,5	9,5 / 8,3 / 6,5	10,9 / 9,0 / 6,5	12,0 / 10,5 / 8,5	14,0 / 12,0 / 10,5	18,0 / 14,5 / 11,5	19,0 / 16,5 / 13,0
Hi / Med / Lo	Heating	m³/min	9,0 / 7,7 / 6,8	9,2 / 8,3 / 6,8	9,7 / 8,5 / 6,8	11,2 / 9,5 / 6,8	–	–	–	–
Sound pressure	Hi / Med / Lo	dB(A)	34 / 32 / 29	36 / 33 / 29	37 / 34 / 29	40 / 36 / 29	38 / 34 / 30	40 / 36 / 32	47 / 44 / 40	49 / 45 / 42
Sound power	Hi / Med / Lo	dB	49 / 47 / 44	51 / 48 / 44	52 / 49 / 44	55 / 51 / 44	–	–	–	–
Dimensions	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	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230	300 x 1.065 x 230
Net weight		kg	9	9	9	9	13	13	14,5	14,5
Pipe 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)
	Gas	Inch (mm)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	1/2 (12,7)	5/8 (15,88)	5/8 (15,88)

ECONAVI and INTERNET CONTROL: Optional.

P1 Type Floor Standing / R1 Type Concealed Floor Standing



Model P1 Type			S-22MP1E5	S-28MP1E5	S-36MP1E5	S-45MP1E5	S-56MP1E5	S-71 mP1E5
Model R1 Type			S-22MR1E5	S-28MR1E5	S-36MR1E5	S-45MR1E5	S-56MR1E5	S-71 mR1E5
Cooling capacity		kW	2,2	2,8	3,6	4,5	5,6	7,1
Input power cooling		W	56	56	85	126	126	160
Operating current cooling		A	0,25	0,25	0,38	0,56	0,56	0,72
Heating capacity		kW	2,5	3,2	4,2	5,0	6,3	8,0
Input power heating		W	40	40	70	91	91	120
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	7,0 / 6,0 / 5,0	7,0 / 6,0 / 5,0	9,0 / 7,0 / 6,0	12,0 / 9,0 / 8,0	15,0 / 13,0 / 11,0	17,0 / 14,0 / 12,0
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 Type	H x W x D	mm	615 x 1.065 x 230	615 x 1.065 x 230	615 x 1.065 x 230	615 x 1.380 x 230	615 x 1.380 x 230	615 x 1.380 x 230
Net weight P1 Type		kg	29	29	29	39	39	39
Dimensions R1 Type	H x W x D	mm	616 x 904 x 229	616 x 904 x 229	616 x 904 x 229	616 x 1.219 x 229	616 x 1.219 x 229	616 x 1.219 x 229
Net weight R1 Type		kg	21	21	21	28	28	28
Pipe 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)
	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)

ECONAVI and INTERNET CONTROL: Optional.

VRF Systems Indoor Units

Hydrokit for ECOi, water at 45 °C

Model*				S-80MW1E5	S-125MW1E5
Power source				230 V / Single Phase / 50 Hz	230 V / Single Phase / 50 Hz
Cooling capacity			kW	8,0	12,5
Heating capacity			kW	9,0	14,0
Maximum temperature			°C	-45 / -65 [1]	-45 / -65 [1]
Dimensions	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	Cooling / Heating		L/min	22,9 / 25,8	35,8 / 40,1
Pipe connections	Liquid — Gas		Inch (mm)	3/8 (9,52) — 5/8 (15,88)	3/8 (9,52) — 5/8 (15,88)
	Drain piping			15 ~ 17mm (inner size)	15 ~ 17mm (inner size)
Operation range	Cooling	Ambient	°C	+10 ~ +43	+10 ~ +43
		Water	°C	+5 ~ +20	+5 ~ +20
	Heating	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 48 HP)	
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. * Tentative Data.

Panasonic Ventilation Solutions

AHU Connection Kit 16, 28 and 56 kW for ECOi and ECO G

PAW-160MAH2	AHU Kit for 16 kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)
PAW-280MAH2	AHU Kit for 28 kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)
PAW-560MAH2	AHU Kit for 56 kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)
PAW-160MAH2M	AHU Kit for 16 kW (IP 65, 0-10V demand control*)
PAW-280MAH2M	AHU Kit for 28 kW (IP 65, 0-10V demand control*)
PAW-560MAH2M	AHU Kit for 56 kW (IP 65, 0-10V demand control*)
PAW-160MAH2L	AHU Kit for 16 kW (IP 65)
PAW-280MAH2L	AHU Kit for 28 kW (IP 65)
PAW-560MAH2L	AHU Kit for 56 kW (IP 65)

* With CZ-CAPBC2.

Air Curtain with DX Coil

HP			4 HP	6 HP	8 HP	14 HP	4 HP	8 HP
Air Curtain			PAW-10EAIRC-MJ	PAW-15EAIRC-MJ	PAW-20EAIRC-MJ	PAW-25EAIRC-MJ	PAW-10EAIRC-MS	PAW-20EAIRC-MS
Air flow type			Jet-Flow				Standard	
Air Flow Length (A)		m	1,0	1,5	2,0	2,5	1,0	2,0
Air volume	Hi / Med / Lo	m³/min	30,0 / 25,0 / 20,0	45,0 / 38,3 / 31,7	60,0 / 50,0 / 41,7	75,0 / 63,3 / 51,7	30,0 / 25,0 / 20,0	45,0 / 38,3 / 31,7
Cooling capacity nominal[2]		kW	9,2	17,5	23,1	24,4	9,2	17,5
Heating capacity nominal		kW	11,4	25,0	31,5	31,5	11,4	31,5
Heating capacity with air in 20 °C, air out 40 °C / 35 °C / 30 °C		kW	11,9 / 8,9 / 5,9	17,9 / 13,4 / 8,9	23,9 / 17,9 / 11,9	29,9 / 22,4 / 14,9	11,9 / 8,9 / 5,9	17,9 / 13,4 / 8,9
Max installation height	Good / Normal / Bad condition	m	3,5 / 3,1 / 2,7	3,5 / 3,1 / 2,7	3,5 / 3,1 / 2,7	3,5 / 3,1 / 2,7	3 / 2,7 / 2,4	3 / 2,7 / 2,4
Liquid pipe / Gas pipe		Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 3/4 (19,05)	3/8 (9,52) / 7/8 (22,22)	3/8 (9,52) / 7/8 (22,22)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 7/8 (22,22)
Noise		dB(A)	40-55	40-56	40-57	40-58	40-55	40-57
Dimensions Weight	W x H x D	mm / kg	1.210 x 260 x 590 / 70	1.710 x 260 x 590 / 100	2.210 x 260 x 590 / 138	2.710 x 260 x 590 / 160	1.210 x 260 x 490 / 60	2.210 x 260 x 490 / 128

Mini ECOi with air out 40 °C	U-4LE1E5/8[1]	U-6LE1E5/8[1]	–	–	U-4LE1E5/8[1]	U-6LE1E5/8[1]
Mini ECOi with air out 35 °C	U-4LE1E5/8[1]	U-4LE1E5/8[1]	U-6LE1E5/8[1]	–	U-4LE1E5/8[1]	U-4LE1E5/8[1]
Mini ECOi with air out 30 °C	U-4LE1E5/8[1]	U-4LE1E5/8[1]	U-4LE1E5/8[1]	U-5LE1E5/8[1]	U-4LE1E5/8[1]	U-4LE1E5/8[1]
ECOi with air out 40 °C	All models	All models	All models	All models without 8 HP	All models	All models
ECOi with air out 30 °C or 35 °C	All models	All models	All models	All models	All models	All models
GHP all temperatures	All models	All models	All models	All models	All models	All models

All combinations under rated conditions: Heating Outdoor +7 °C DB/+6 °C WB Indoor +20 °C DB. In case of lower outdoor temperatures a higher capacity outdoor unit model may be necessary. 1) Or bigger size. 2) Rated Conditions Cooling Outdoor +35 °C DB Indoor +27 °C DB/+19 °C WB, Discharge temperature ³ 16 °C.

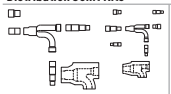
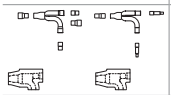
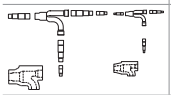
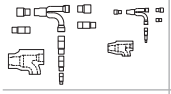
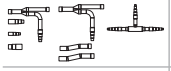
Energy Recovery Ventilation System

Rated flow rate		250m³/h			350m³/h			500m³/h			800m³/h			1.000m³/h		
Models		FY-25OZDY8			FY-35OZDY8			FY-50OZDY8			FY-80OZDY8			FY-01KZDY8A		
		E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low
Power source		220 / 240 V / 50 Hz			220 / 240 V / 50 Hz			220 / 240 V / 50 Hz			220 / 240 V / 50 Hz			220 / 240 V / 50 Hz		
Heat exchange ventilation		E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low
Input	W	112 / 128	108 / 123	87 / 96	182 / 190	178 / 185	175 / 168	263 / 289	204 / 225	165 / 185	387 / 418	360 / 378	293 / 295	437 / 464	416 / 432	301 / 311
Air volume	m³/h	250	250	190	350	350	240	500	500	440	800	800	630	1.000	1.000	700
External static pressure	Pa	105	95	45	140	60	45	120	60	35	140	110	55	105	80	75
Sound power	dB	30,0 / 31,5	29,5 / 30,5	23,5 / 26,5	32,5 / 33,0	30,5 / 31,0	22,5 / 25,5	36,5 / 37,5	34,5 / 35,5	31,0 / 32,5	37,0 / 37,5	36,5 / 37,0	33,5 / 34,5	37,5 / 38,5	37,0 / 37,5	33,5 / 34,5
Temp. 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	W	112 / 128	108 / 123	87 / 96	182 / 190	178 / 185	175 / 168	263 / 289	204 / 225	165 / 185	387 / 418	360 / 378	293 / 295	437 / 464	416 / 432	301 / 311
Air volume	m³/h	250	250	190	350	350	240	500	500	440	800	800	630	1.000	1.000	700
External static pressure	Pa	105	95	45	140	60	45	120	60	35	140	110	55	105	80	75
Sound power	dB	30,0 / 31,5	29,5 / 30,5	23,5 / 26,5	32,5 / 33,0	30,5 / 31,0	22,5 / 25,5	37,5 / 38,5	37,0 / 38,0	31,0 / 32,5	37,0 / 37,5	36,5 / 37,0	33,5 / 34,5	39,5 / 40,5	39,0 / 39,5	35,5 / 36,5
Temp. exchange efficiency	%	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dimensions (W x D x H) / Weight	mm / kg	882 x 599 x 270 / 29			1.050 x 804 x 317 / 49			1.090 x 904 x 317 / 57			1.322 x 884 x 388 / 71			1.322 x 1.134 x 388 / 83		

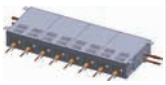
This noise of the product is the value which was measured at the acoustic room. Actually, in the established condition, that undergo influence by the echoing of the room and so that become bigger than the display numerical value. The input, the current and the exchange efficiency are values at the time of the mentioned air volume. The noise level shall be measured 1,5 m below the centre of the unit. The temperature exchange efficiency averages that of when cooling and when heating.

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

ACCESSORIES

Distribution Joint Kits		
	CZ-P680PJ2	2-Pipe ME2 Series Distribution Joint Kit for outdoor unit (68,0 kW or less)
	CZ-P1350PJ2	2-Pipe ME2 Series Distribution Joint Kit for outdoor unit (more than 68,0 kW)
	CZ-P160BK2	2-Pipe ME2 Series and 2-Pipe Mini ECOi LE1 Series Distribution Joint Kit for indoor unit (22,4 kW or less*)
	CZ-P680BK2	2-Pipe ME2 Series Distribution Joint Kit for indoor unit (68,0 kW or less*)
	CZ-P1350BK2	2-Pipe ME2 Series Distribution Joint Kit for indoor unit (more than 68,0 kW*)
	CZ-P680PJ2BM	3-Pipe MF2 6N Series Distribution Joint Kit for outdoor unit (68,0 kW or less)
	CZ-P1350PJ2BM	3-Pipe MF2 6N Series Distribution Joint Kit for outdoor unit (greater than 68,0 kW and no more than 135,0 kW)
	CZ-P224BH2BM	3-Pipe MF2 6N Series Distribution Joint Kit for indoor unit (22,4 kW or less)
	CZ-P680BH2BM	3-Pipe MF2 6N Series Distribution Joint Kit for indoor unit (greater than 22,4 kW and no more than 68,0 kW)
	CZ-P1350BH2BM	3-Pipe MF2 6N Series Distribution Joint Kit for indoor unit (greater than 68,0 kW and no more than 135,0 kW)
	CZ-P4 HP3C2BM	3-Pipe MF2 6N Series 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 5,6 kW)
	CZ-P56HR3	Heat recovery box (up to 5,6 kW)
	CZ-CAPE2	Heat recovery PCB
	KIT-P160HR3	Box recovery kit (from 5,6 kW)
	CZ-P160HR3	Solenoid valve kit (up to 10,6 kW)
	CZ-CAPE2	Heat recovery PCB
	CZ-P456HR3	4 ports 3 pipe box (up to 5,6 kW)
	CZ-P656HR3	6 ports 3 pipe box (up to 5,6 kW)
	CZ-P856HR3	8 ports 3 pipe box (up to 5,6 kW)
	CZ-P4160HR3	4 ports 3 pipe box (up to 16,0 kW)

Remote controller for Hotels with Dry Contacts		
	PAW-RE2C3-WH	Stand-Alone with I/O White frame
	PAW-RE2C3-GR	Stand-Alone with I/O Grey Frame
	PAW-RE2C3-MOD-WH	Modbus RS-485 with I/O White frame
	PAW-RE2C3-MOD-GR	Modbus RS-485 with I/O Grey frame
	PAW-RE2C3-LON-WH	LonWorks TP/FT-10 with I/O White frame
	PAW-RE2C3-LON-GR	LonWorks TP/FT-10 with I/O Grey frame
Individual Controls		
	CZ-RTC5A	Design wired remote controller with Econavi button
	CZ-RTC4	Standard Wired remote controller with Econavi button
	CZ-RTC2	Standard wired remote controller for Floor Standing (MP1) indoor units
	CZ-RWSU3	Wireless remote controller for Cassette 90x90 PU2
	CZ-RWSL2N	Wireless remote controller for 2 Way Cassette
	CZ-RWSK2 + CZ-RWSC3	Wireless remote controller for Wall Mounted (and Wireless receiver CZ-RWSC3 separately)
	CZ-RWSD2	Wireless remote controller for 1 Way Cassette
	CZ-RWST3N	Wireless remote controller for Ceiling

	CZ-RE2C2	Simplified remote controller
	CZ-RE2C3	Wireless receiver for duct types series ME1, MF1, MF2 and MM1, compatible with CZ-RWSK2 (not included)
	CZ-CSRC3	Temperature Remote sensor
Centralised Controls		
	CZ-64ESMC3	System Controller with Schedule timer. Operation with various function from center station
	CZ-ANC2	Central On/Off controller, up to 16 groups, 64 indoor units
	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	PAIMS 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-CAPC2	Adaptor for On/off control of external devices
	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.
Panasonic AC Smart Cloud		
	CZ-CFUSCC1	Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.
VRF Smart Connectivity		
	SER8150A0B1194P	Remote Controller Panasonic Net Con, RH, No PIR, ZigBee
	SER8150A5B1194P	Remote Controller Panasonic Net Con, RH, PIR, ZigBee
	SER8150R0B1194	Remote Controller Panasonic Net Con, RH, No PIR, R1/R2
	SER8150R5B1194	Remote Controller Panasonic Net Con, RH, PIR, R1/R2
	VCM8000R94BOX	Panasonic R1R2 to Zigbee adaptor box No Brand
	VCM8000V5094G	(For Wave1) Wireless Zigbee Pro / Green Com card. 8 Required in case Wave1 wired product need to do MPM connection.)
	SED-WMS-P-5045	Wireless Sensors Wall motion sensor
	SED-WDS-P-5045	Wireless Sensors Door/window contact
	SED-CMS-P-5045	Wireless Sensors Ceiling motion sensor
	SED-CO2-G-5045	CO_2 sensor (Available from 2017. 2nd Quarter)
Accessories Cables		
	CZ-T10	Cable for all the T10 functions
	PAW-FDC	Cable to operate external fan
	PAW-OCT	Cable for all Option monitoring signals
	PAW-EXCT	Cable with force Thermo OFF/leakage Detection
Accessories PCB		
	PAW-T10	PCB with T10 dry contacts for window contact, etc
	PAW-PACR3	PCB for server room application, control of 3 PACi units, redundancy, backup, etc
	PAW-ECF	PCB for fan speed control of external EC Fan

Accessories Interfaces		
	PAW-RC2-KNX-1i	KNX Interface
	PAW-RC2-MBS-1	Modbus Interface
	PAW-RC2-MBS-4	Modbus interface to control 4 indoor/groups
	PAW-RC2-ENO-1i	EnOcean Interface
	PA-RC2-WIFI-1	Interface for Intesishome for PACi & ECOi
	PAW-AC-KNX-64	KNX Interface for 64 indoor units
	PAW-AC-KNX-128	KNX Interface for 128 indoor units
	PAW-AC-MBS-64	Modbus Interface for 64 indoor units
	PAW-AC-MBS-128	Modbus Interface for 128 indoor units
	PAW-TM-MBS-RTU-64	Modbus Interface for 64 indoor units
	PAW-TM-MBS-TCP-128	Modbus Interface for 128 indoor units
	PAW-MBS-TCP2RTU	ModBus RTU Slave devices
	PAW-AC-BAC-1	BACnet Interface for 1 unit
	PAW-AC-BAC-64	BACnet Interface for 64 indoor units
	PAW-AC-BAC-128	BACnet Interface for indoor units
	CZ-CLNC2	Lonworks® Interface controls up to 16 groups and 64 indoor units
	CZ-CAPRA1	Domestic with CZ-CNT port integration to PACi and ECOi
R-22 Replacement Kit		
	CZ-SLK2	Replacement kit for R-22
Other Accessory		
	CZ-CENSC1	Econavi energy savings sensor
Pump Down 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

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

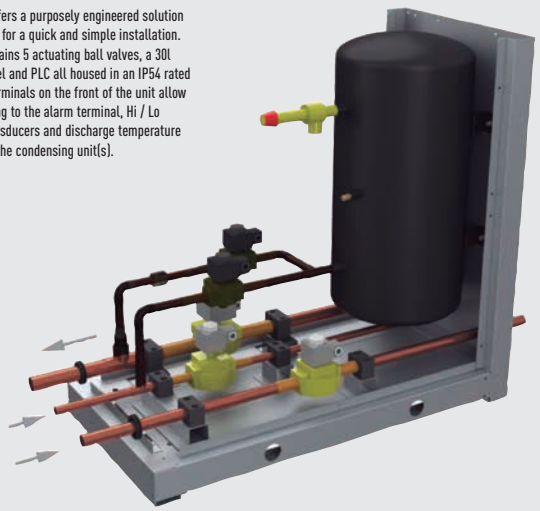
Basic pump down function:

- 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

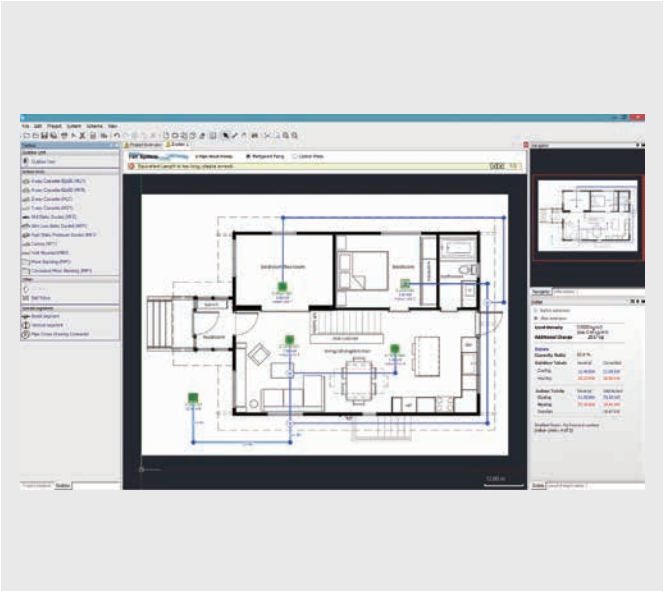
Panasonic's advanced technology enables the system to work with previously installed pipe work by managing the working pressure within the system down to R22 (33 bar) levels, this ensures the system works safely and efficiently without loss of capacity.

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, LE1 and MF2.

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.

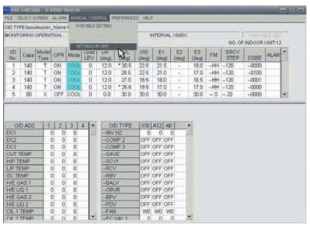
Panasonic VRF Service Checker

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

Centralized Control Systems

BMS System. PC Base

P-AIMS. Basic Software
Up to 1024 groups. Controls 1024 units.
CZ-CSWKC2

Connection with 3rd Party Controller

Seri-Para I/O unit for outdoor unit.
Up to 4 outdoor units.
CZ-CAPDC2

Local adaptor for ON/OFF control.
Controls 1 to 8 units.
CZ-CAPC2

Mini Seri-Para I/O Unit 0 - 10V.
Controls 1 to 8 units.
CZ-CAPBC2

Communication Adaptor.
Up to 128 groups. Controls 128 units.
CZ-CFUNC2

AC Smart Cloud

Panasonic AC Smart Cloud.
Up to 128 groups. Controls 128 units.
CZ-CFUSCC1

New Domestic integration to P-Line - CZ-CAPRA1

Can connect all ranges to P-Line. Full control is now possible.

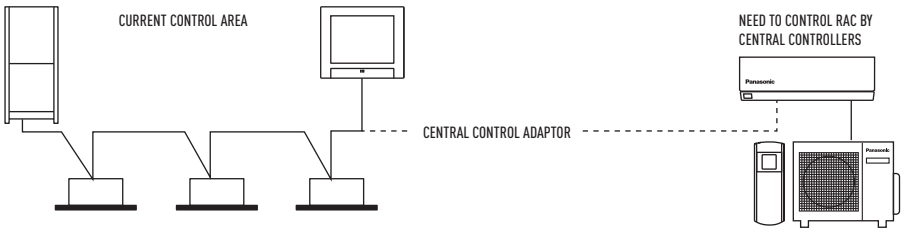
Integrates any unit in big system control

- 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: 1.024 Indoor Units



Current system for PACi / VRF. Central controller can connect to S-link line to control units directly.

→

Request: We want to control RAC unit (which does not have S-link protocol) by Central controllers.

→

It's necessary to have interface between S-link and RAC protocol to cover basic operating items.

Basic operation items	
ON/OFF	✔
Mode select	✔
Temperature setting	✔
Fan speed	✔
Flap setting	✔
Remote control prohibit	✔
Econavi ON/OFF	✔

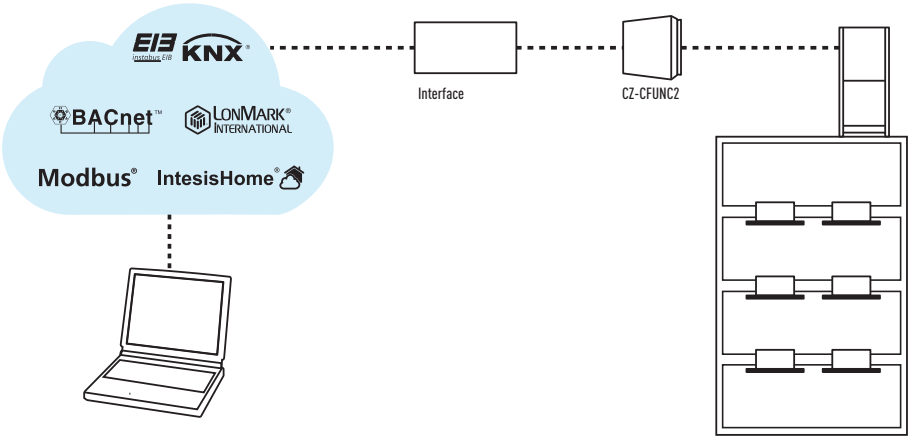
External input	
ON/OFF control signal	✔
Abnormal stop signal	✔
External output for Relay[1]	
Operation status (ON/OFF)	✔
Alarm status output	✔

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														
Control for hotel application. Intelligent Controller		PAW-RE2C3-WH /-GR PAW-RE2C3-MOD-WH /-GR PAW-RE2C3-LON-WH /-GR White / Grey	–	✔	1 indoor unit	–	✔	✔	✔	✔	–	✔	–	Stand alone Modbus or Lonworks
Wired remote controller. Normal operation with Econavi		CZ-RTC4	✔	✔	1 group, 8 units	· Up to 2 controllers can be connected per group	✔	✔	✔	✔	✔	–	✔	–
Wired remote controller. Design wired remote controller with Econavi		CZ-RTC5A	✔	✔	1 group, 8 units	· Up to 2 controllers can be connected per group	✔	✔	✔	✔	✔	–	✔	–
Wired remote controller. Normal operation		CZ-RTC2 (for Floor Standing (MP1) indoor units)	–	✔	1 group, 8 units	· Up to 2 controllers can be connected per group	✔	✔	✔	✔	✔	–	✔	–
Wireless remote controller		CZ-RWSU3 / CZ-RWSL2N CZ-RWSK2 / CZ-RWSD2 / CZ-RWST3N / CZ-RWSK2 + CZ-RWSC3	–	✔	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	· 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-ANC2 CZ-ANC3 (available in September 2017)	–	–	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

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.

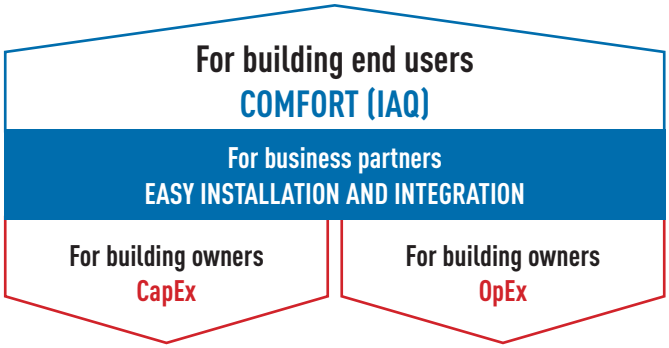
Panasonic, passionately pursuing the ultimate in energy saving through the application of cutting-edge technology, and Schneider Electric, an advanced global energy management specialist offering innovative control systems. This collaboration has set the new standard for creating the next generation of contemporary buildings.

VRF Smart Connectivity Advantages

- Easy Design and Plug and Play to Reduce CapEx
- Dramatic Reduction of OpEx with Outstanding IAQ
- Ultimate Customization
- User-/Owner-friendly

VRF Smart Connectivity. The future of Control

A remote controller is all that's required for occupancy control and optimum automatic indoor air quality (IAQ) control. Simple operation with a rented interface further contributes to increased energy efficiency and productivity for reduced capital expenditure (CapEx) and operating expense (OpEx).



VRF Smart Connectivity Devices

2 types of devices depending on type connection with indoor units wireless or wired. Wireless connection to indoor unit requires ZigBee interface for indoor unit.

Features

- Up to 5-year battery life, batteries included
- Battery level shown on the display
- Sensor points visible in SBO when SE8000 is integrated via BACnet MS/TP
- Sensor status and battery level visible in SBE when SE8000 is integrated via ZigBee® Pro
- Integration to SBE only recommended when each MPM is connected to Ethernet and are set as ZigBee® Coordinator nodes

CO_2 and humidity sensors for high IAQ

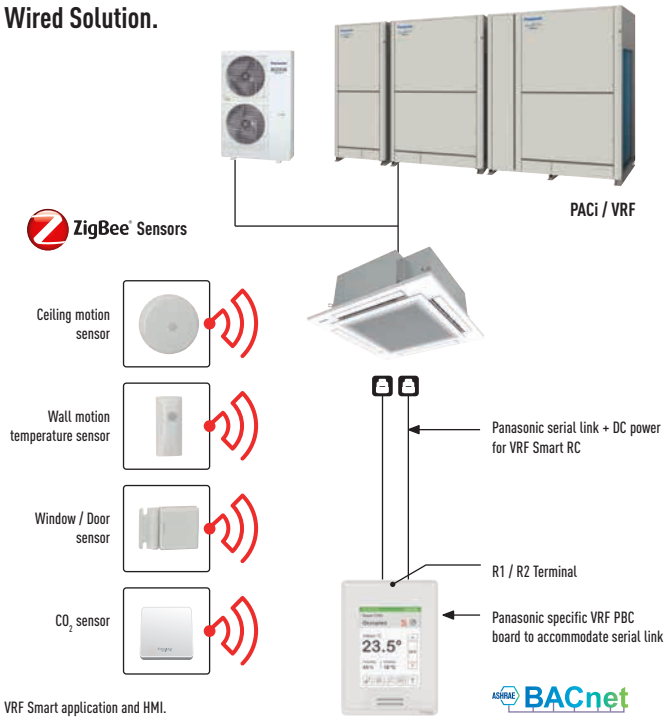
CO_2 sensors taking measurements in units of ppm, and humidity sensors enable fine air quality control. This creates the most comfortable space for occupants while contributing to improved employee satisfaction.

Life Is On | Schneider Electric

Stand alone Smart Connection

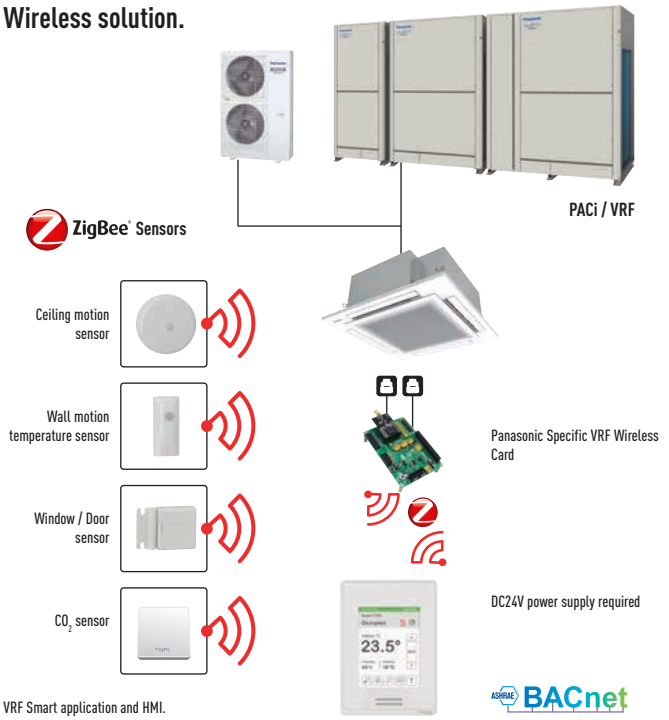
VRF Smart connectivity connects Panasonic ECOi and PACi indoor units by wired or wireless connection.

Wired Solution.



VRF Smart application and HMI.
Powered over communication serial link.
BACnet, Modbus, ZigBee.
One RC to one VRF FCU.

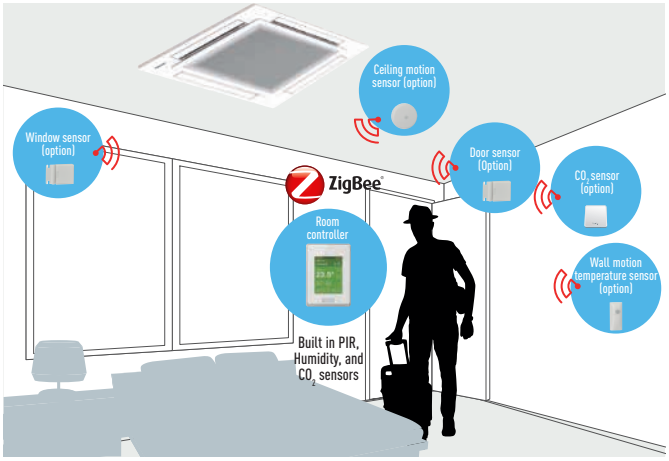
Wireless solution.



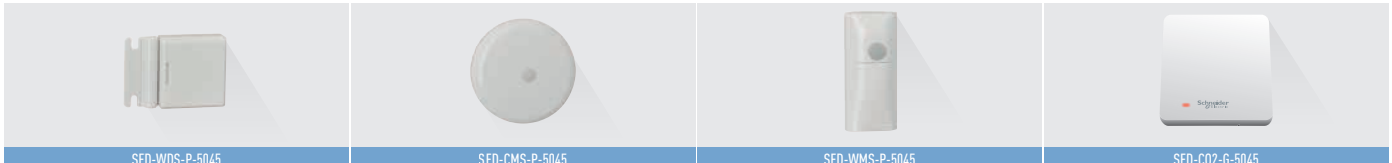
VRF Smart application and HMI.
Normal Power Supply.
BACnet, Modbus, ZigBee.
One RC to one VRF FCU.

Sensing Technology

The wireless solution using sensors born from the collaboration between Panasonic and Schneider Electric enables easy installation in existing and old buildings in which wiring is difficult (installation in a wired environment is also possible). The result is high-quality occupancy control and automatic IAQ control.
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 closeness to doors and windows. No wiring means extra installation versatility.



Batteries last for up to five years and are easy to install and replace.



SED-WDS-P-5045 Window / Door sensor	SED-CMS-P-5045 Takrörelsedetektor	SED-WMS-P-5045 Wall mounted sensor with motion and temperature sensor	SED-CO2-G-5045 CO_2 sensor

PANASONIC AC SMART CLOUD

PROFESSIONAL
AC SMART CLOUD

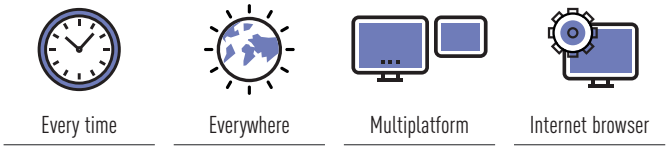
Flexible solution and scalable solution

Energy saving, zero downtime and site(s) management

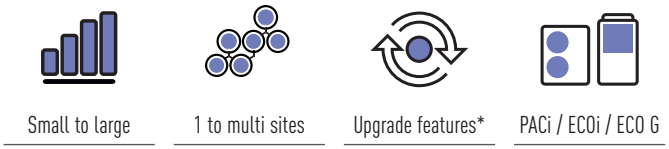
Centralize control of your business premises, from wherever you are, 24/7/365. It doesn't matter how many sites you have, or where they are! The AC Smart Cloud system from Panasonic allows you to have complete control of all your installations, from your tablet or from your computer. In a simple click, all your units from several locations, receive status updates in real-time of all your installations, preventing breakdowns and optimizing costs.

With Panasonic AC Smart Cloud, have your business under control, and start saving!

Flexible solution for your business



Scalable solution for your business



*Customized to meet user demand / Upgraded new functions / Upgraded by new products / IT smart management.

Key functions and uniqueness

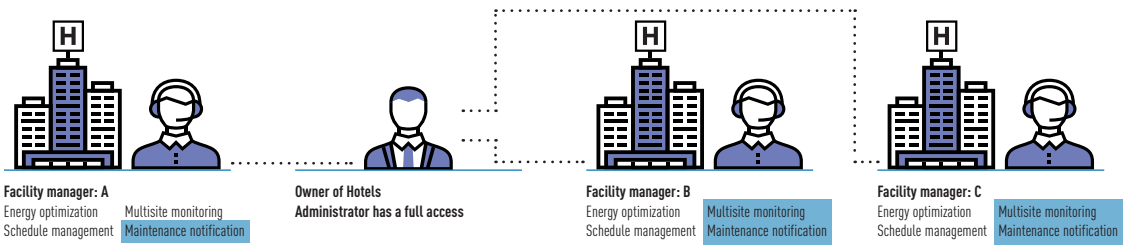
Multi site monitoring
- It doesn't matter how many sites you have, easy to manage, operate, compare per sites, locations, rooms.

Powerful statistics for energy savings
- Power consumption, capacity, efficiency level can be compared per different parameters (Yearly / monthly / weekly/ daily bases)

Schedule setting
- Weekly / holiday timer setting as you want
- One setting can be copied to other sites

Maintenance notification
- Error notification by email and with floor layout
- Maintenance notification of ECOi / ECO G outdoor units

User customization
Site administrator can create users as desired and assign customized profiles.



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

3G router

SIM card

Energy saving

Better Efficiency & Value. For medium temperature applications. Aquarea systems meets ErP regulation as A++.

Better Efficiency & Value. For low temperature applications. Aquarea systems meets ErP regulation as A++.

Better Efficiency & Value. For low temperature applications. Aquarea systems meets ErP regulation as A.

Aquarea are built-in with A class water pump. H Generation with auto speed, and F Generation and normal G Generation with 7 speeds.

Refrigerant 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 components refrigerant, making it easy to recycle.

Econavi. The sensor determines the human activity level and the position in the room and adjust the air flow orientation for maximum comfort and maximum savings, and detects changes in sunlight intensity and judges whether it is sunny or cloudy/night. It reduces unnecessary heating under more sunlight conditions.

Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher SCOP ratings mean greater efficiency. Save all the year while heating!

Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher SEER ratings mean greater efficiency. Save all the year while cooling!

Inverter Plus System. Inverter plus products improve on the characteristics of standard Inverter air conditioners by over 20 %. This means 20 % less consumption and 20 % off your electric bill. Inverter plus is also A class on cooling and heating mode.

R2 Rotary Compressor. Panasonic R2 Rotary Compressor. Designed to withstand extreme conditions, it delivers high performance and efficiency.

Compressor High Efficient. Wider operation Hz range of compressor realize more high efficient operation through the year. For Big PACi Series PE2.

Multiple large-capacity all inverter compressors (more than 14 HP).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 efficiency system. Panasonic is definitely the most efficient system throughout the years.

High performance

Aquarea High Performance for low consumption houses. From 3 to 16 kW. For a house with low temperature radiators or under-floor heating, our high performance Aquarea HP is a good solution.

Aquarea T-CAP for extremely low temperatures. From 9 to 16 kW. If the most important aspect is to maintain nominal heating capacities even at temperatures as low as -7 °C or -20 °C, select the Aquarea T-CAP.

Aquarea HT ideal for retrofit. From 9 to 12 kW. 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 (easy access & fast clip technology) for H Generation.

Water stop valve included on H Generation.

Water Flow Sensor included on H Generation.

nanoe™ X. nanoe™ X utilises nano-technology fine particles to purify the air in the room. It works effectively on airborne and adhesive micro-organisms such as bacteria, viruses and mould thus ensuring a cleaner living environment.

The new dust collector filter included on Panasonic units is able to collect dust in order to enjoy a clean and healthy air. Available on: HZ25/35, LZ25/35, NZ25/35/50 and CZ25/35.

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).

The Perfect Humidity Air controls the humidity level in the air to prevent over-dryness.

Aerowings. More comfort with Aerowings. Direct airflow to ceiling to create shower cooling effect by twin flap built in indoor.

Down to -35 °C in heating mode. The air conditioner works in heat pump mode with an outdoor temperature as low as -35 °C. Tested by SP.

The ECOi EX system works in cooling mode with performance data at outdoor temperature up to 52 °C.

Down to -10 °C in cooling only mode. The air conditioner works in cooling only mode with an outdoor temperature of -10 °C.

Summer House, this innovative function keeps the house at 7/8 °C to avoid freezing pipes during the winter. This function is highly appreciated in summer house or week end houses.

Designed for simple replacement of older Panasonic models.

Small Low Static Pressure Hide Away 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.

Big size Fan makes larger airflow rate and very silent operation at low speed. For Big PACi Series PE2.

DC Fan: Save 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.

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.

Dry. By intermittent control of compressor and indoor unit's fan, "Dry" gives you comfort. It realizes efficient dehumidification according to room temperature.

Built-in drain pump. Maximum head 50cm (or 75cm for U type) from the bottom of the unit.

R22 Renewal. The Panasonic renewal system allows good quality existing R22 pipe work to be re-used whilst installing new high efficiency R410A systems.

R410A Renewal. The Panasonic renewal system allows good quality existing R410A pipe work to be re-used whilst installing new high efficiency R32 systems.

High connectivity

Renovation. Our Aquarea Heat Pumps can be connected to an existing or new boiler for optimum comfort even at very low outdoor temperatures.

Solar Kit. 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 10 available languages easy to use for installer and user. Included on H Generation.

Compatible with Verisure's System for Smart Homes, which enables control, monitoring and integration from a distance. Optional.

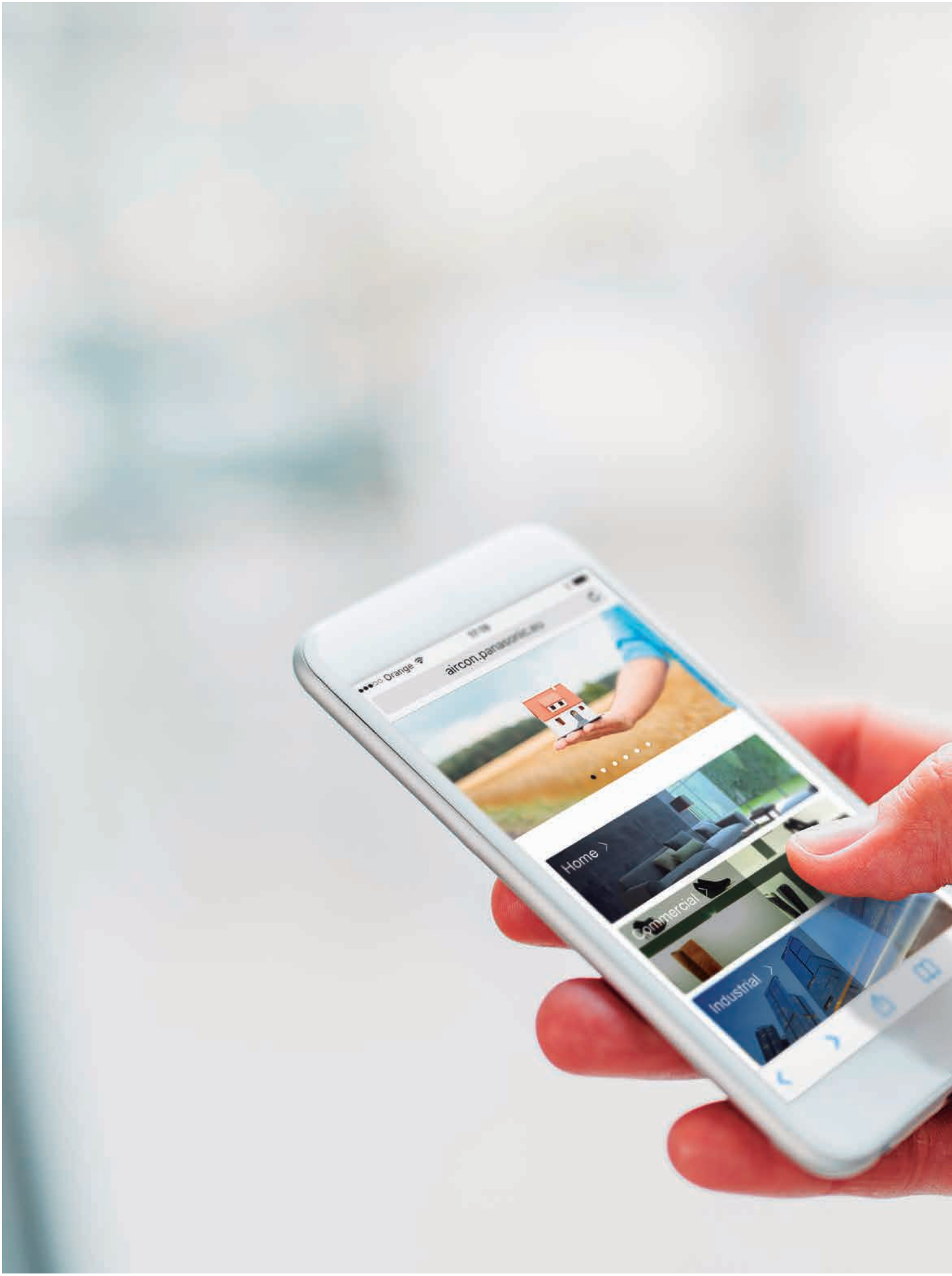
CZ-CAPRA1: CZ-CNT port integration to PACi and ECOi. Split Air Conditioners integration to P-Line. Can connect ranges to P-Line. Full control is now possible.

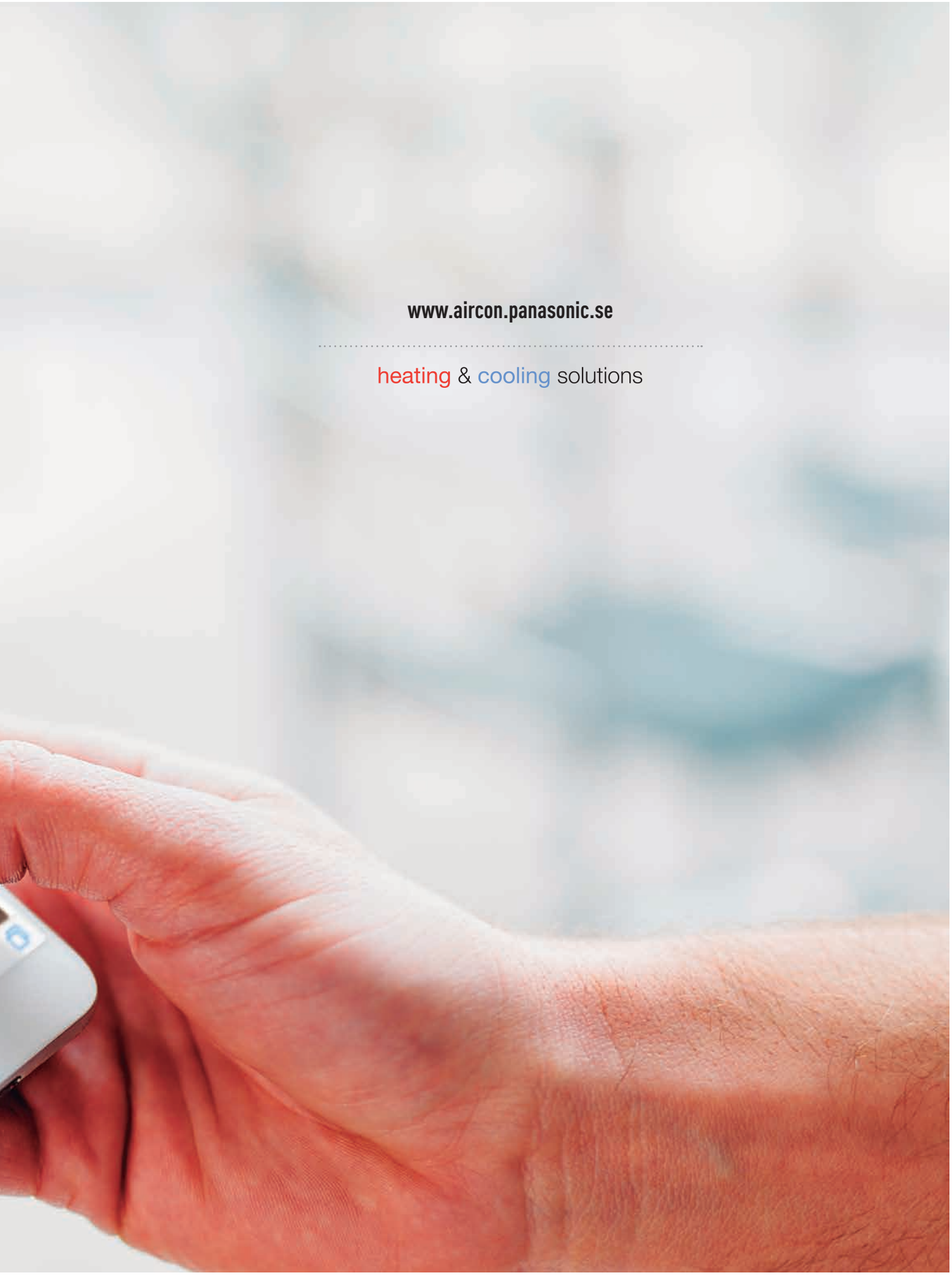
Internet Control is a next generation system providing a user-friendly remote controller of air conditioning or Heat Pump units from everywhere, using a simple Android or iOS smartphone, tablet or PC via internet. Optional.

Connectivity. The communication port is integrated into the indoor unit and provides easy connection to, and control of, your Panasonic Heat Pump to your home or building management system.

AC Smart Cloud. The new AC Smart Cloud from Panasonic allows you to have complete control of all your installations. 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.

5 Years Warranty. Panasonic guarantees the compressors in the entire range for five years.


Orange
aircon.panasonic.eu
Home
Commercial
Industrial



www.aircon.panasonic.se

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.se
blogg.panasonicnordic.com/sv
facebook.com/panasonicsverigevarmpumpar

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