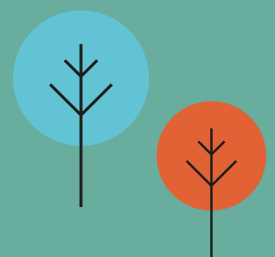
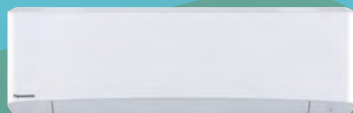


Price list

2020 — 2021

The world of heating and cooling
is changing with Panasonic





DOMESTIC

P. 8



COMMERCIAL

P. 32



VRF SYSTEMS

P. 88



HEAT PUMP CHILLERS

P. 134



REFRIGERATION

P. 144

Panasonic: Eco & smart ideas for a sustainable lifestyle

A better life, a better world.

Panasonic is creating a safe and secure society with clean energy.



Solar Power Generator

HIT solar cells achieve maximum output even on smaller roofs.

Home AV

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

Heat Pump

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

Fuel Cell

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

Solar Power Generator

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

LED Lamps

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

Home Appliances

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

Storage Battery

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

A desire to create things of value

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

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



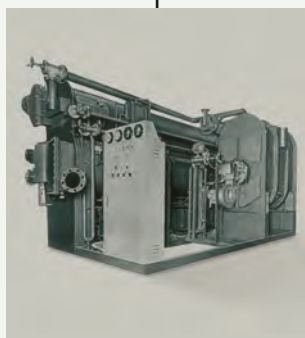
Panasonic becomes the first Japanese air conditioner manufacturer in Europe.



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



Starts production of absorption chillers.



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



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



First room air conditioner launched for domestic installation.



1958

1971

1973

1975

1985

1989

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



World's first air conditioner equipped with nanoe™



2008

CO₂ condensing units in Europe.
The ideal solution for supermarkets, shops and gas stations.



2010

2012

2015

2016

2018

Looking ahead



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



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



New Panasonic GHP units. The gas-driven VRF Systems are ideal for projects where power restrictions apply.



Panasonic introduces a new Heat Pump Chiller series which is named as ECOi-W.

PRO Club. The professional website of Panasonic



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

VRF Designer

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



Aquarea Designer

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



Panasonic helps you to calculate the system label

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



PRO Club



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



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

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

Our main targets are the distributed services and B2B-integrated solutions.

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



Bulgaria's stand-out residential building with efficient HVAC solution. **Aquarea**



The new Hotel Vincci Gala with efficiency class A, up to 70% save energy. Barcelona, Spain. **ECOi - ECO G**



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



9 high quality homes in Whittle-Le-Woods near Chorley, UK. **Aquarea**



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



14 bubble style domes to bring a 180-degree transparent window to the nature. Belfast, Ireland. **Aquarea**



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



LIAIGRE showroom, well-known as a luxury design architect in Paris, France. **ECOi**



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



ITK Engineering GmbH. An innovative office building located in Germany. **ECOi - PACi**



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



NHS Canford house clinic, Bournemouth, UK. **VRF**

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



Panasonic domestic air to air heat pump

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

Cleaning the air we breathe.

Panasonic systems are equipping different technologies to clean the air. Anti allergy nanoe™ X and PM2,5 filters are some examples to take care of the air we breathe.



New super-compact units.

The new super-compact wall-mounted units measure a mere 779mm, ideal for installations in narrow spaces or above the door. The updated, elegant design is suitable for all types of interiors.

Easy installation and servicing.

Intelligently designed for quick and simple installation, the new models are lighter, smaller and stronger than ever. With a handy mounting system, easy access panel and improvements to the internal design, installation and maintenance times are greatly reduced.



Built in WLAN for Etherea and TZ.

Etherea and TZ are ready to connect to internet to be controlled by Panasonic Comfort Cloud, with completely new user interface and controlling all domestic functions.

Voice control.

Control without boundaries and get hands-free help to fully access the features of your air conditioners. Maximising your cooling comfort is now a breeze with our Network-Enabled Air Conditioners with Panasonic's Comfort Cloud and Voice Control.



nanoe™ X. Quality air for life



No matter where you are, air is an essential part in your life. We're working to help every person enjoy better health and comfort by nanoe™ X technologies.



Let Panasonic take care of indoor air quality

nanoe™ X inhibits a wide variety of bacteria, viruses and pollutants, and can deodorise the environment. The patented technology is equipped to better provide better air quality whether residential or commercial.

7 effects of nanoe™ X – Panasonic unique technology.

Deodorises



Odours

Inhibits 5 types of pollutants



Bacteria and viruses



Mould



Allergens



Pollen



Hazardous substances

Moisturises



Skin and hair

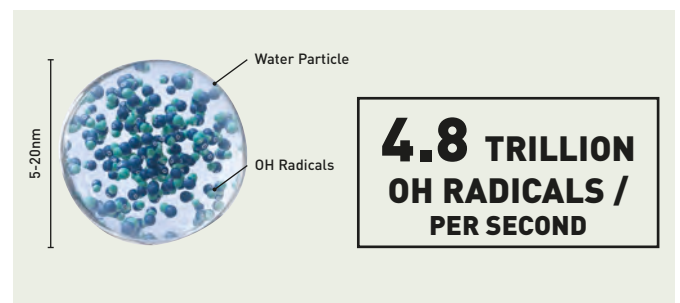
nanoe™ X deodorises and inhibits certain bacteria and viruses

nanoe™ X contains 10 times ¹⁾ more OH radicals.

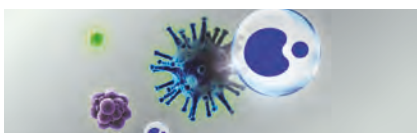
nanoe™ X Mark1 device produces 4.8 trillion OH radicals per second. That is 10 times more OH radicals than the nanoe™ device.

Greater amounts of OH radicals contained in nanoe™ X lead to outstanding effects in the inhibition of pollutants such as bacteria, viruses and allergens as well as deodorisation. A fresher and cleaner home awaits you.

1) Based on Panasonic Survey.



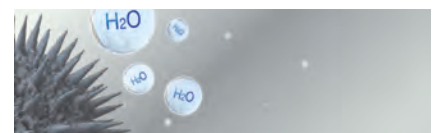
How nanoe™ X keeps air fresh and clean



nanoe™ X reaches bacteria.



OH radicals take away hydrogen from bacteria breaking down the cell structure.



OH radicals transform hydrogen taken away from bacteria to water and inhibit bacterial activity.

Comfort Cloud Application. Convenient Centralised Control

Easily control and access all features of remote control anytime, anywhere.

1 Smart Control (In control of cooling comfort anytime, anywhere)

- **Connect & control operation:** 20 units per location and up to 10 different locations. Transform multiple remote controls into one device
- **Manage multiple units at once:** Turn on all AC units at the same time or by group settings. Set weekly timers for multiple units to cater to your daily routines

2 Smart Comfort (Easily manage your comfort and air quality)

- **Adjust set temperature:** Set temperature by monitoring real time indoor and outdoor temperatures
- **Pre-heat or cool:** Control your house or office comfort before you arrive!
- **nanoe™ X ¹⁾:** Activate nanoe™ X, the advanced technology to deodorise and create healthier environment

3 Smart Efficiency (More comfort with less wasted energy)

- **Energy usage analysis ²⁾:** Monitor energy consumption based on different temperature settings
- **Energy usage comparison (day/week/month/year):** Compare energy usage history of AC units for better budget planning.

4 Smart Assist (Be informed of breakdowns)

- **Error codes notification and identification ³⁾:** Launch the App to check error codes for effortless troubleshooting. Help technicians to easily identify the issues
- **User's control right:** Register multiple users. Set administrator rights and assign users access

1) nanoe™ X is available in certain series. 2) Estimated energy consumption data accuracy depends on power supply quantity. 3) Contact trained technicians to perform any repairing/service.



Voice Control. Words do more than actions



Control without boundaries and get hands-free help to fully access the features of your air conditioners. Maximising your cooling comfort is now a breeze with our Network-Enabled Air Conditioners with Panasonic's Comfort Cloud and Voice Control.



Get multiple things done with your voice

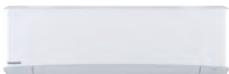
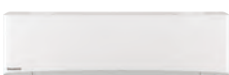
Simplify your day with your personalised routine by grouping individual actions.

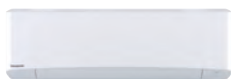
Schedule your routine with your voice.

With the routine function, you can control multiple voice-controlled devices including our network-enabled air conditioners to help you with your personalised routine.

* Google, Android, Google Play and Google Home are trademarks of Google LLC. Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Availability of Voice Assistant services varies depending on Country and Language. More information about set up procedures: <https://aircon.panasonic.com/connectivity/application.html>. Google Home and Alexa are compatible with the models shown in pages <?>, <?>.

Domestic Air Conditioner Range R32

Page	Indoor units	2.0kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW
P. 14	Wall-mounted Etherea Inverter+ • R32 Refrigerant							
	 	CS-XZ20VKEW CU-Z20VKE	CS-XZ25VKEW CU-Z25VKE	CS-XZ35VKEW CU-Z35VKE		CS-XZ50VKEW CU-Z50VKE		
		CS-Z20VKEW CU-Z20VKE	CS-Z25VKEW CU-Z25VKE	CS-Z35VKEW CU-Z35VKE	CS-Z42VKEW CU-Z42VKE	CS-Z50VKEW CU-Z50VKE		CS-Z71VKEW CU-Z71VKE
P. 16	NEW Wall-mounted TZ super-compact Inverter • R32 Refrigerant							
		CS-TZ20WKEW CU-TZ20WKE	CS-TZ25WKEW CU-TZ25WKE	CS-TZ35WKEW CU-TZ35WKE	CS-TZ42WKEW CU-TZ42WKE	CS-TZ50WKEW CU-TZ50WKE	CS-TZ60WKEW CU-TZ60WKE	CS-TZ71WKEW CU-TZ71WKE
P. 18	NEW Wall-mounted FZ super-compact Inverter • R32 Refrigerant							
			CS-FZ25WKE CU-FZ25WKE	CS-FZ35WKE CU-FZ35WKE		CS-FZ50WKE CU-FZ50WKE	CS-FZ60WKE CU-FZ60WKE	
P. 20	Wall-mounted Professional Inverter -20°C • R32 Refrigerant							
			CS-Z25TKEA CU-Z25TKEA	CS-Z35TKEA CU-Z35TKEA	CS-Z42TKEA CU-Z42TKEA	CS-Z50TKEA CU-Z50TKEA		CS-Z71TKEA CU-Z71TKEA
P. 21	Floor Console Inverter+ • R32 Refrigerant							
			CS-Z25UFEAW CU-Z25UBEA	CS-Z35UFEAW CU-Z35UBEA		CS-Z50UFEAW CU-Z50UBEA		
P. 22	4 Way 60x60 Cassette Inverter • R32 Refrigerant							
			CS-Z25UB4EAW CU-Z25UBEA	CS-Z35UB4EAW CU-Z35UBEA		CS-Z50UB4EAW CU-Z50UBEA	CS-Z60UB4EAW CU-Z60UBEA	
P. 23	Low Static Pressure Hide Away Inverter • R32 Refrigerant							
			CS-Z25UD3EAW CU-Z25UBEA	CS-Z35UD3EAW CU-Z35UBEA		CS-Z50UD3EAW CU-Z50UBEA	CS-Z60UD3EAW CU-Z60UBEA	

Page	Free Multi Indoors	1.6kW	2.0kW	2.5kW	3.5kW	4.2kW	5.0kW	6.0kW	7.1kW
P. 27	Wall-mounted Etherea Inverter+								
			CS-XZ20VKEW	CS-XZ25VKEW	CS-XZ35VKEW		CS-XZ50VKEW		
		CS-MZ16VKE	CS-Z20VKEW	CS-Z25VKEW	CS-Z35VKEW	CS-Z42VKEW	CS-Z50VKEW		CS-Z71VKEW
P. 27	NEW Wall-mounted TZ super-compact Inverter								
		CS-MTZ16WKE	CS-TZ20WKEW	CS-TZ25WKEW	CS-TZ35WKEW	CS-TZ42WKEW	CS-TZ50WKEW	CS-TZ60WKEW	CS-TZ71WKEW
P. 27	Floor Console Inverter+								
		CS-MZ20UFEA		CS-Z25UFEAW	CS-Z35UFEAW		CS-Z50UFEAW		
P. 27	4 Way 60x60 Cassette Inverter								
		CS-MZ20UB4EA		CS-Z25UB4EAW	CS-Z35UB4EAW		CS-Z50UB4EAW	CS-Z60UB4EAW	
P. 27	Low Static Pressure Hide Away Inverter								
		CS-MZ20UD3EA		CS-Z25UD3EAW	CS-Z35UD3EAW		CS-Z50UD3EAW	CS-Z60UD3EAW	

Page	Free Multi Outdoors	3.2 ~ 6.0kW	3.2 ~ 6.0kW	3.2 ~ 7.7kW	4.5 ~ 9.5kW	4.5 ~ 11.2kW	4.5 ~ 11.5kW	4.5 ~ 14.7kW	4.5 ~ 18.3kW
P. 26	Outdoor unit Free Multi System Z								
	• R32 Refrigerant								
		CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE

Page	Multi Wall TZ Outdoors	3.2 ~ 6.0kW	3.2 ~ 7.7kW	4.5 ~ 9.5kW
P. 28	Outdoor unit Multi TZ for wall TZ indoors • R32 Refrigerant			
				
		CU-2TZ41TBE	CU-2TZ50TBE	CU-3TZ52TBE

Etherea: Cleaning the air we breathe

—ETHEREA—

Etherea with nanoe™ X technology: outstanding efficiency A+++, comfort (Super Quiet technology only 19dB(A)) and healthy air combined with a breakthrough design.



1 Even cleaner air with nanoe™ X

nanoe™ X is an outstanding technology bringing much higher performance for better indoor air quality.

Get the best for your health with Etherea and nanoe™ X

Using nano-technology, nano-sized electrostatic atomised water particles clean the air in the room. It works effectively on airborne and adhesive micro-organisms such as certain types of bacteria, viruses and mould thus ensuring a cleaner living environment.



2 Built-in WLAN and compatible with Voice Assistant

Ready to connect the unit to internet to be controlled by smartphone with Panasonic Comfort Cloud App. Control, monitor, easy schedule with easy interface. By connecting Panasonic Comfort Cloud the unit can be managed by Google Assistant and Amazon Alexa*.

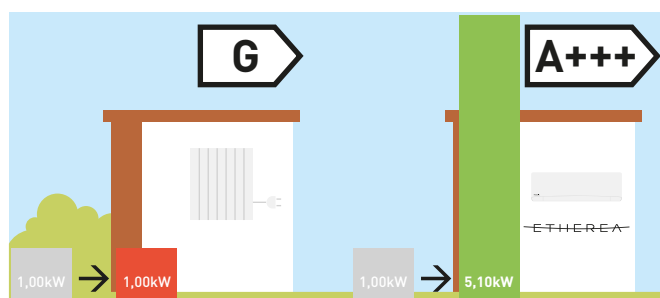
* Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Google, Android, Google Play and Google Home are trademarks of Google LLC.

3 Simple but elegant design

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

4 Etherea maximum savings, outstanding efficiency A+++

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



* SCOP on heating mode for 2.5kW models compared with electrical heaters at +7°C.



Built-in WLAN
Panasonic Comfort
Cloud for internet
control.

Wall-mounted Etherea Inverter+ Silver / Pure White Matt • R32 Refrigerant

Kit Silver			KIT-XZ20-VKE	KIT-XZ25-VKE	KIT-XZ35-VKE	—	KIT-XZ50-VKE	—
Kit Pure White Matt			KIT-Z20-VKE	KIT-Z25-VKE	KIT-Z35-VKE	KIT-Z42-VKE	KIT-Z50-VKE	KIT-Z71-VKE
Cooling capacity	Nominal (Min - Max)	kW	2.05 [0.75 - 2.40]	2.50 [0.85 - 3.20]	3.50 [0.85 - 4.00]	4.20 [0.85 - 5.00]	5.00 [0.98 - 6.00]	7.10 [0.98 - 8.50]
UK Cooling	[Total - Sensible]	kW	2.00 - 1.98	2.44 - 2.20	3.40 - 2.80	4.17 - 3.15	4.71 - 4.21	6.69 - 5.27
EER ¹⁾	Nominal (Min - Max)	W/W	4.56 [3.13 - 4.32]	4.81 [3.54 - 4.05]	4.07 [3.54 - 3.70]	3.39 [3.27 - 3.18]	3.55 [3.50 - 3.08]	3.27 [2.33 - 2.93]
SEER ²⁾			7.50 A++	8.50 A+++	8.50 A+++	6.90 A++	7.90 A++	6.50 A++
Pdesign (cooling)		kW	2.10	2.50	3.50	4.20	5.00	7.10
Input power cooling	Nominal (Min - Max)	kW	0.45 [0.24 - 0.56]	0.52 [0.24 - 0.79]	0.86 [0.24 - 1.08]	1.24 [0.26 - 1.57]	1.41 [0.28 - 1.95]	2.17 [0.42 - 2.90]
Annual energy consumption ³⁾		kWh/a	98	103	144	213	222	382
Heating capacity	Nominal (Min - Max)	kW	2.80 [0.70 - 4.00]	3.40 [0.80 - 5.00]	4.00 [0.80 - 5.50]	5.30 [0.80 - 6.80]	5.80 [0.98 - 8.00]	8.60 [0.98 - 10.20]
UK Heating		kW	2.78	3.47	3.81	4.75	5.58	7.15
Heating capacity at -7°C		kW	2.38	2.95	3.20	4.11	4.80	6.31
COP ¹⁾	Nominal (Min - Max)	W/W	4.52 [3.89 - 4.04]	4.79 [4.44 - 3.97]	4.35 [4.44 - 3.72]	3.68 [4.21 - 3.51]	4.03 [2.88 - 3.16]	3.66 [2.45 - 3.46]
SCOP ²⁾			4.70 A++	5.10 A+++	5.10 A+++	4.00 A+	4.70 A++	4.20 A+
Pdesign at -10°C		kW	2.10	2.70	2.80	3.60	4.20	5.50
Input power heating	Nominal (Min - Max)	kW	0.62 [0.18 - 0.99]	0.71 [0.18 - 1.26]	0.92 [0.18 - 1.48]	1.44 [0.19 - 1.94]	1.44 [0.34 - 2.53]	2.35 [0.40 - 2.95]
Annual energy consumption ³⁾		kWh/a	626	741	769	1260	1251	1833
Indoor unit Silver			CS-XZ20VKEW	CS-XZ25VKEW	CS-XZ35VKEW	—	CS-XZ50VKEW	—
Indoor unit Pure White Matt			CS-Z20VKEW	CS-Z25VKEW	CS-Z35VKEW	CS-Z42VKEW	CS-Z50VKEW	CS-Z71VKEW
Power source		V	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20
Connection indoor / outdoor		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5	4 x 2.5
Air volume	Cool / Heat	m ³ /min	9.9/10.7	10.2/11.2	11.0/12.0	11.2/12.0	19.1/20.5	19.8/21.5
Moisture removal volume		L/h	1.3	1.5	2.0	2.4	2.8	4.1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/24/19	39/25/19	42/28/19	43/31/25	44/37/30	47/38/30
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/25/19	41/27/19	43/33/19	43/35/29	44/37/30	47/38/30
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	10	10	12	13
Outdoor unit			CU-Z20VKE	CU-Z25VKE	CU-Z35VKE	CU-Z42VKE	CU-Z50VKE	CU-Z71VKE
Air volume	Cool / Heat	m ³ /min	26.9/24.1	28.7/27.2	30.6/30.6	31.3/30.9	39.8/36.9	44.7/45.8
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	45/46	46/47	48/50	49/51	47/47	52/54
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	27	31	31	31	42	50
Piping connections	Liquid pipe	Inch (mm)	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]
	Gas pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	1/2 [12.70]	1/2 [12.70]	5/8 [15.88]
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 30	3 ~ 30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	15	20
Pipe length for additional gas		m	7.5	7.5	7.5	7.5	7.5	10
Additional gas amount		g/m	10	10	10	10	15	25
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.70 / 0.473	0.85/0.574	0.85/0.574	0.89 / 0.601	1.15 / 0.776	1.37/0.925
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Silver Price	£		903	989	1099	—	1581	—
Indoor unit Silver Price	£		288	350	398	—	649	—
Kit Pure White Matt Price	£		880	964	1063	1242	1451	2097
Indoor unit Pure White Matt Price	£		265	325	362	377	519	818
Outdoor unit Price	£		615	639	701	865	932	1279

Accessories	Price £
CZ-CAPRA1 RAC interface adapter for integration into P-Link	138

Accessories	Price £
CZ-RD514C Wired remote controller for Wall-mounted and Floor Console	104

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0.8m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-XZ25-VKE, KIT-XZ35-VKE, KIT-Z25-VKE and KIT-Z35-VKE. SUPER QUIET: For KIT-XZ20-VKE, KIT-XZ25-VKE, KIT-XZ35-VKE, KIT-Z20-VKE, KIT-Z25-VKE and KIT-Z35-VKE. INTERNET CONTROL: Built-in WLAN.

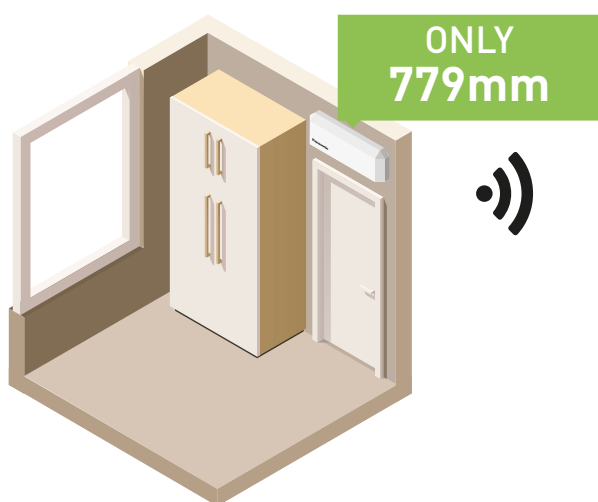
New Wall-mounted TZ super-compact

The perfect air conditioner for the smallest spaces in your home.
New TZ with R32 refrigerant powerful and efficient.



1 New super-compact design

The new compact design of the indoor units have a width of just 779mm. This allows for more installation possibilities, including the limiting space above a door.



2 Built-in WLAN and compatible with Voice Assistant

Ready to connect the unit to internet to be controlled by smartphone with Panasonic Comfort Cloud App. Control, monitor, easy schedule with easy interface. By connecting Panasonic Comfort Cloud the unit can be managed by Google Assistant and Amazon Alexa*.

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

3 PM2,5

Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. The filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen and it is able to maintain clean the air of the room.

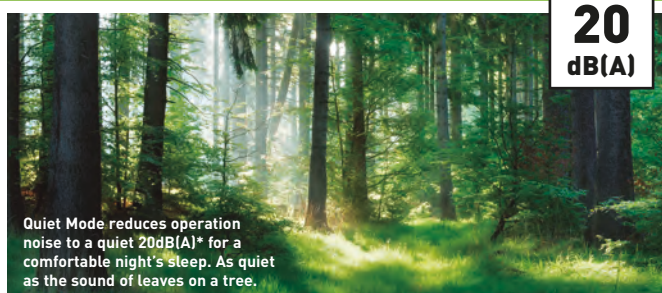
4 Stylish infrared control

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

Silent ambient and relaxing atmosphere 20dB(A)

We have succeeded in making one of the most silent air conditioners on the market. Panasonic Inverter air conditioner's indoor operating noise has been reduced as the Inverter constantly varies its output power to enable more precise temperature control.

* KIT-TZ20-WKE, KIT-TZ25-WKE and KIT-TZ35-WKE: In the Quiet Mode during cooling operation with low fan speed.





Built-in WLAN
Panasonic Comfort
Cloud for internet
control.

Wall-mounted TZ super-compact • R32 Refrigerant

Kit			KIT-TZ20-WKE	KIT-TZ25-WKE	KIT-TZ35-WKE	KIT-TZ42-WKE	KIT-TZ50-WKE	KIT-TZ60-WKE	KIT-TZ71-WKE
Cooling capacity	Nominal (Min - Max)	kW	2.00 [0.75 - 2.40]	2.50 [0.85 - 3.00]	3.50 [0.85 - 3.90]	4.20 [0.85 - 4.60]	5.00 [0.98 - 5.60]	6.00 [0.98 - 6.60]	7.10 [0.98 - 8.20]
UK Cooling	(Total - Sensible)	kW	1.98 - 1.72	2.48 - 2.09	3.47 - 2.65	4.17 - 2.87	4.97 - 3.83	5.90 - 4.47	7.00 - 4.80
EER ¹⁾	Nominal (Min - Max)	W/W	4.08 [4.17 - 4.00]	3.85 [4.05 - 3.41]	3.57 [3.62 - 3.36]	3.36 [3.62 - 2.80]	3.13 [3.92 - 2.95]	3.24 [3.92 - 2.87]	3.17 [2.33 - 2.98]
SEER ²⁾			7.00 A++	7.00 A++	6.80 A++	6.40 A++	6.90 A++	6.80 A++	6.20 A++
Pdesign (cooling)		kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10
Input power cooling	Nominal (Min - Max)	kW	0.49 [0.18 - 0.60]	0.65 [0.21 - 0.88]	0.98 [0.24 - 1.16]	1.25 [0.24 - 1.64]	1.60 [0.25 - 1.90]	1.85 [0.25 - 2.30]	2.24 [0.42 - 2.75]
Annual energy consumption ³⁾		kWh/a	100	125	180	230	254	309	401
Heating capacity	Nominal (Min - Max)	kW	2.70 [0.70 - 3.60]	3.30 [0.80 - 4.10]	4.00 [0.80 - 5.10]	5.00 [0.80 - 6.80]	5.80 [0.98 - 7.50]	7.00 [0.98 - 8.20]	8.60 [0.98 - 9.90]
UK Heating		kW	2.21	2.47	3.18	3.43	4.55	5.00	5.34
Heating capacity at -7°C		kW	2.14	2.70	3.30	3.90	4.62	4.90	6.13
COP ¹⁾	Nominal (Min - Max)	W/W	4.15 [4.24 - 3.53]	4.18 [4.21 - 3.66]	4.04 [4.10 - 3.70]	3.73 [4.10 - 3.33]	3.41 [4.67 - 3.26]	3.68 [4.67 - 3.57]	3.51 [2.45 - 3.47]
SCOP ²⁾			4.60 A++	4.60 A++	4.60 A++	4.00 A+	4.50 A+	4.30 A+	4.00 A+
Pdesign at -10°C		kW	1.90	2.40	2.80	3.60	4.00	4.40	5.50
Input power heating	Nominal (Min - Max)	kW	0.65 [0.17 - 1.02]	0.79 [0.19 - 1.12]	0.99 [0.20 - 1.38]	1.34 [0.20 - 2.04]	1.70 [0.21 - 2.30]	1.90 [0.21 - 2.30]	2.45 [0.40 - 2.85]
Annual energy consumption ³⁾		kWh/a	578	730	852	1260	1244	1433	1925
Indoor unit			CS-TZ20WKEW	CS-TZ25WKEW	CS-TZ35WKEW	CS-TZ42WKEW	CS-TZ50WKEW	CS-TZ60WKEW	CS-TZ71WKEW
Power source		V	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20
Connection indoor / outdoor		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5	4 x 2.5	4 x 2.5
Air volume	Cool / Heat	m ³ /min	10.3/10.8	11.0/11.5	11.8/12.3	12.5/13.2	12.5/13.2	20.9/21.9	22.1/22.9
Moisture removal volume		L/h	1.3	1.5	2.0	2.4	2.8	3.3	4.1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37/25/20	40/26/20	42/30/20	44/31/29	44/37/33	45/37/34	47/38/35
	Heat (Hi / Lo / Q-Lo)	dB(A)	38/26/22	40/27/22	42/33/22	44/35/28	44/37/33	45/37/34	47/38/35
Dimension	H x W x D	mm	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209	302 x 1102 x 244	302 x 1102 x 244
Net weight		kg	8	8	8	8	8	13	13
Outdoor unit			CU-TZ20WKE	CU-TZ25WKE	CU-TZ35WKE	CU-TZ42WKE	CU-TZ50WKE	CU-TZ60WKE	CU-TZ71WKE
Air volume	Cool / Heat	m ³ /min	29.7/29.7	30.0/28.9	28.7/29.7	30.4/30.8	32.7/32.7	34.0/34.0	44.7/45.9
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	47/48	48/50	49/51	48/49	49/51	52/54
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320
Net weight		kg	24	25	31	31	36	36	50
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)
	Gas pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	1/2 (12.7)	1/2 (12.7)	1/2 (12.7)	5/8 (15.88)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	15	15	20
Pipe length for additional gas		m	7.5	7.5	7.5	7.5	7.5	10	10
Additional gas amount		g/m	10	10	10	10	15	15	25
Refrigerant [R32] / CO ₂ Eq.		kg / T	0.54/0.365	0.67/0.452	0.77/0.520	0.79/0.533	1.14/0.770	1.22/0.824	1.32/0.891
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	683	789	914	1092	1165	1441	1633
Indoor unit Price		£	279	312	347	395	432	619	718
Outdoor unit Price		£	404	477	567	697	733	822	915

Accessories		Price £
CZ-CAPRA1	RAC interface adapter for integration into P-Link	138

Accessories		Price £
CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console	104

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



SEER and SCOP: For KIT-TZ20-WKE and KIT-TZ25-WKE. SUPER QUIET: For KIT-TZ20-WKE, KIT-TZ25-WKE and KIT-TZ35-WKE. INTERNET CONTROL: Built-in WLAN.

New, super-compact design

The unit's chassis has been carefully re-designed for simple, stress-free installation and ongoing maintenance.



1 New super-compact design

The new compact design of the indoor units have a width of just 779mm. This allows for more installation possibilities, including the limiting space above a door.



2 Simple installation

Thanks to advanced improvements, installation time has been dramatically decreased. The new air conditioning models feature a reinforced installation plate, providing more stability and strength for a neatly fitted installation. With the newly built-in support, the unit is suitably designed for just one person to install. There is also a clear view and convenient access to the drain hose and cabling inserts. An increase of 13 mm has been achieved for piping so that installers can now easily ensure that the pipes and insulations are securely and neatly fitted.



3 Easy maintenance

Meticulously designed for both installer and user benefit, the unit features an easy to remove front grille for convenient access to the interior. The inner workings of the unit have also been redesigned to make maintenance quicker and easier. Electronics and wiring components are now on just one side of the unit to simplify maintenance.

4 Easy / hidden installation of the WLAN adapter

The latest model features a dedicated space for a network adapter. Easy to plug in, the guided wire slots allow for clear, easy installation and can be neatly tucked away - simple and out of sight!



NEW
2020



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

NEW Wall-mounted FZ super-compact Inverter • R32 Refrigerant

Kit			KIT-FZ25-WKE	KIT-FZ35-WKE	KIT-FZ50-WKE	KIT-FZ60-WKE
Cooling capacity	Nominal (Min - Max)	kW	2.50 [0.85 - 3.00]	3.40 [0.85 - 3.90]	5.00 [0.98 - 5.40]	6.00 [0.98 - 6.50]
UK Cooling	(Total - Sensible)	kW	2.46 - 2.08	3.45 - 2.66	4.75 - 3.47	5.80 - 3.85
EER ¹⁾	Nominal (Min - Max)	W/W	3.68 [4.05 - 3.33]	3.18 [3.54 - 3.05]	3.03 [3.92 - 2.90]	3.03 [3.92 - 2.83]
SEER ²⁾			6.20 A++	6.10 A++	6.50 A++	6.30 A++
Pdesign (cooling)		kW	2.50	3.40	5.00	6.00
Input power cooling	Nominal (Min - Max)	kW	0.68 [0.21 - 0.90]	1.07 [0.24 - 1.28]	1.65 [0.25 - 1.86]	1.98 [0.25 - 2.30]
Annual energy consumption ³⁾		kWh/a	141	195	269	333
Heating capacity	Nominal (Min - Max)	kW	3.15 [0.80 - 3.60]	3.84 [0.80 - 4.40]	5.40 [0.98 - 7.50]	6.80 [0.98 - 8.00]
UK Heating		kW	2.17	2.74	4.50	4.80
Heating capacity at -7°C		kW	2.14	2.60	4.58	5.10
COP ¹⁾	Nominal (Min - Max)	W/W	4.04 [4.21 - 3.46]	3.66 [4.10 - 3.41]	3.42 [4.67 - 3.06]	3.15 [4.26 - 3.02]
SCOP ²⁾			4.20 A+	4.20 A+	4.10 A+	4.00 A+
Pdesign at -10°C		kW	1.90	2.40	4.00	4.40
Input power heating	Nominal (Min - Max)	kW	0.78 [0.19 - 1.04]	1.05 [0.20 - 1.29]	1.58 [0.21 - 2.45]	2.16 [0.23 - 2.65]
Annual energy consumption ³⁾		kWh/a	633	800	1366	1540
Indoor unit			CS-FZ25WKE	CS-FZ35WKE	CS-FZ50WKE	CS-FZ60WKE
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	20
Connection indoor / outdoor		mm ²	4 x 1.5	4 x 1.5	4 x 2.5	4 x 2.5
Air volume	Cool / Heat	m ³ /min	10.5 / 11.1	10.8 / 11.3	12.5 / 13.2	12.7 / 13.6
Moisture removal volume		L/h	1.5	2.0	2.8	3.3
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	37 / 26 / 20	38 / 30 / 20	44 / 37 / 34	45 / 37 / 34
	Heat (Hi / Lo / Q-Lo)	dB(A)	37 / 27 / 24	38 / 33 / 25	44 / 37 / 34	45 / 37 / 34
Dimension	H x W x D	mm	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209	290 x 779 x 209
Net weight		kg	8	8	8	9
Outdoor unit			CU-FZ25WKE	CU-FZ35WKE	CU-FZ50WKE	CU-FZ60WKE
Air volume	Cool / Heat	m ³ /min	30.4 / 30.4	31.1 / 31.1	32.7 / 32.7	42.6 / 41.5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48 / 49	48 / 50	48 / 49	50 / 50
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320
Net weight		kg	24	25	36	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.70)	1/2 (12.70)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15
Pipe length for additional gas		m	7.5	7.5	7.5	7.5
Additional gas amount		g/m	10	10	15	15
Refrigerant [R32] / CO ₂ Eq.		kg / T	0.54 / 0.365	0.67 / 0.452	1.14 / 0.770	1.11 / 0.749
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	600	680	995	1276
Indoor unit Price		£	236	257	373	482
Outdoor unit Price		£	364	423	622	794

Accessories		Price £
CZ-TACG1	Panasonic Comfort Cloud for internet control	97
CZ-CAPRA1	RAC interface adapter for integration into P-Link	138

Accessories		Price £
CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console	104

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



SEER and SCOP: For KIT-FZ50-WKE. SUPER QUIET: For KIT-FZ25-WKE and KIT-FZ35-WKE. INTERNET CONTROL: Optional.



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

Wall-mounted Professional Inverter -20°C • R32 Refrigerant

Kit			KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA	KIT-Z71-TKEA
Cooling capacity	Nominal (Min - Max)	kW	2.50 [0.85 - 3.00]	3.50 [0.85 - 4.00]	4.20 [0.98 - 5.00]	5.00 [0.98 - 6.00]	7.10 [0.98 - 8.10]
UK Cooling	(Total - Sensible)	kW	2.49 - 1.90	3.48 - 2.66	4.18 - 3.19	4.66 - 4.25	6.55 - 5.20
EER ¹⁾	Nominal (Min - Max)	W/W	4.90 [5.00 - 4.29]	4.07 [5.00 - 3.64]	3.82 [4.90 - 3.25]	3.60 [3.50 - 3.09]	3.17 [2.33 - 3.03]
SEER ²⁾			8.50 A+++	8.50 A+++	8.50 A+++	8.50 A+++	6.10 A++
Pdesign		kW	2.50	3.50	4.20	5.00	7.10
Input power cooling	Nominal (Min - Max)	kW	0.51 [0.17 - 0.70]	0.86 [0.17 - 1.10]	1.10 [0.20 - 1.54]	1.39 [0.28 - 1.94]	2.24 [0.42 - 2.67]
Annual energy consumption ³⁾		kWh/a	103	144	173	206	407
Heating capacity	Nominal (Min - Max)	kW	3.40 [0.85 - 5.40]	4.00 [0.85 - 6.60]	5.40 [0.98 - 7.25]	5.80 [0.98 - 8.00]	8.60 [0.98 - 9.90]
UK Heating		kW	3.78	4.62	5.04	5.62	6.94
Heating capacity at -7°C		kW	3.33	4.07	4.30	5.00	6.13
COP ¹⁾	Nominal (Min - Max)	W/W	4.86 [5.15 - 4.12]	4.35 [5.15 - 3.63]	4.00 [4.45 - 3.37]	4.03 [2.88 - 3.20]	3.51 [2.45 - 3.47]
SCOP ²⁾			4.50 A+	4.40 A+	4.30 A+	4.40 A+	4.00 A+
Pdesign at -10°C		kW	2.80	3.60	3.80	4.40	5.50
Input power heating	Nominal (Min - Max)	kW	0.70 [0.17 - 1.31]	0.92 [0.17 - 1.82]	1.35 [0.22 - 2.15]	1.44 [0.34 - 2.50]	2.45 [0.40 - 2.85]
Annual energy consumption ³⁾		kWh/a	871	1145	1237	1400	1925
Indoor unit			CS-Z25TKEA	CS-Z35TKEA	CS-Z42TKEA	CS-Z50TKEA	CS-Z71TKEA
Power source		V	230	230	230	230	230
Recommended fuse		A	16	16	16	16	20
Connection indoor / outdoor		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5	4 x 2.5
Air Volume	Cool / Heat	m ³ /min	10.4/11.7	10.7/12.4	18.2/20.2	19.2/21.3	20.2/21.0
Moisture removal volume		L/h	1.5	2.0	2.4	2.8	4.1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	39/25/21	42/28/21	43/32/29	44/37/30	47/38/35
	Heat (Hi / Lo / Q-Lo)	dB(A)	41/27/22	43/30/22	44/35/29	44/37/30	47/38/35
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	12	12	13
Outdoor unit			CU-Z25TKEA	CU-Z35TKEA	CU-Z42TKEA	CU-Z50TKEA	CU-Z71TKEA
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/48	48/50	48/50	48/50	52/54
Dimension ⁵⁾	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	37	38	38	43	49
Piping connections	Liquid pipe	Inch (mm)	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]
	Gas pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	1/2 [12.70]	1/2 [12.70]	5/8 [15.88]
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	20
Pipe length for additional gas		m	7.5	7.5	7.5	7.5	10
Additional gas amount		g/m	10	10	10	15	25
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.96/0.648	1.00/0.675	1.08/0.729	1.15/0.776	1.32/0.891
Operating range	Cool Min ~ Max	°C	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	971	1114	1334	1407	1907
Indoor unit Price		£	315	347	445	476	657
Outdoor unit Price		£	656	767	889	931	1250

Accessories		Price £
CZ-TACG1*	Panasonic Comfort Cloud for internet control	97
CZ-CAPRA1*	RAC interface adapter for integration into P-Link	138
PAW-SERVER-PKEA*	PCB for installation in server rooms with security	204
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform	117

Accessories		Price £
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm	117

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* Only one of these can be used at a time.



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



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

Floor Console Type Inverter+ • R32 Refrigerant

Kit			KIT-Z25-UFE	KIT-Z35-UFE	KIT-Z50-UFE
Cooling capacity	Nominal (Min - Max)	kW	2.50 [0.85 - 3.40]	3.50 [0.85 - 3.80]	5.00 [0.90 - 5.70]
UK Cooling	(Total - Sensible)	kW	2.36 - 2.19	3.31 - 2.84	4.73 - 3.48
EER ¹⁾	Nominal (Min - Max)	W/W	4.81 [3.54 - 3.78]	4.07 [3.54 - 3.73]	3.60 [3.53 - 3.15]
SEER ²⁾			7.90 A++	8.10 A++	6.70 A++
Pdesign (cooling)		kW	2.50	3.50	5.00
Input power cooling	Nominal (Min - Max)	kW	0.52 [0.24 - 0.90]	0.86 [0.24 - 1.02]	1.39 [0.26 - 1.81]
Annual energy consumption ³⁾		kWh/a	111	151	261
Heating capacity	Nominal (Min - Max)	kW	3.40 [0.85 - 5.00]	4.30 [0.85 - 6.00]	5.80 [0.90 - 8.10]
UK Heating		kW	3.46	4.13	5.68
Heating capacity at -7°C		kW	2.88	3.37	5.03
COP ¹⁾	Nominal (Min - Max)	W/W	4.47 [3.54 - 3.70]	3.98 [3.54 - 3.43]	3.74 [3.46 - 3.12]
SCOP ²⁾			4.60 A++	4.60 A++	4.30 A+
Pdesign at -10°C		kW	2.70	3.20	4.40
Input power heating	Nominal (Min - Max)	kW	0.76 [0.24 - 1.35]	1.08 [0.24 - 1.75]	1.55 [0.26 - 2.60]
Annual energy consumption ³⁾		kWh/a	822	974	1433
Indoor unit			CS-Z25UFEAW	CS-Z35UFEAW	CS-Z50UFEAW
Air volume	Cool / Heat	m³/min	9.6 / 9.9	9.9 / 10.1	11.6 / 13.2
Moisture removal volume		L/h	1.5	2.0	2.8
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 20	39 / 26 / 20	44 / 31 / 27
	Heat (Hi / Lo / Q-Lo)	dB(A)	38 / 25 / 19	39 / 26 / 19	46 / 33 / 29
Dimension	H x W x D	mm	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
Net weight		kg	13	13	13
Outdoor unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA
Power source		V	230	230	230
Recommended fuse		A	16	16	16
Connection indoor / outdoor		mm²	—	—	—
Air volume	Cool / Heat	m³/min	28.7 / 27.2	34.3 / 33.5	39.7 / 38.6
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46 / 47	48 / 48	48 / 48
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320
Net weight		kg	33	35	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.70)
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 30
Elevation difference (in/out) ⁶⁾		m	15	15	20
Pipe length for additional gas		m	7.5	7.5	7.5
Additional gas amount		g/m	10	10	15
Refrigerant [R32] / CO ₂ Eq.		kg / T	0.88 / 0.594	0.93 / 0.628	1.13 / 0.763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price			£ 1227	£ 1323	£ 1607
Indoor unit Price			£ 635	£ 689	£ 815
Outdoor unit Price			£ 592	£ 634	£ 792

Accessories	Price £
CZ-TACG1 Panasonic Comfort Cloud for internet control	97
CZ-CAPRA1 RAC interface adapter for integration into P-Link	138

Accessories	Price £
CZ-RD514C Wired remote controller for Wall-mounted and Floor Console	104

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



SEER and SCOP: For KIT-Z35-UFE. SUPER QUIET: For KIT-Z25-UFE and KIT-Z35-UFE. INTERNET CONTROL: Optional. iF DESIGN AWARD 2019: Floor Console awarded with the prestigious IF Design Award 2019.



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



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

4 Way 60x60 Cassette Inverter • R32 Refrigerant

KIT			KIT-Z25-UB4	KIT-Z35-UB4	KIT-Z50-UB4	KIT-Z60-UB4
Cooling capacity	Nominal (Min - Max)	kW	2.50 [0.85 - 3.20]	3.50 [0.85 - 4.00]	5.00 [0.90 - 5.80]	6.00 [0.90 - 6.35]
UK Cooling	(Total - Sensible)	kW	2.41 - 2.32	3.26 - 2.67	4.70 - 3.35	5.58 - 3.78
EER ¹⁾	Nominal (Min - Max)	W/W	4.55 [3.54 - 3.90]	3.89 [3.54 - 3.39]	3.25 [3.53 - 3.09]	2.93 [3.53 - 2.89]
SEER ²⁾			6.30 A++	6.50 A++	6.40 A++	6.20 A++
Pdesign [cooling]		kW	2.50	3.50	5.00	6.00
Input power cooling	Nominal (Min - Max)	kW	0.55 [0.24 - 0.82]	0.90 [0.24 - 1.18]	1.54 [0.26 - 1.88]	2.05 [0.26 - 2.20]
Annual energy consumption ³⁾		kWh/a	139	188	273	339
Heating capacity	Nominal (Min - Max)	kW	3.20 [0.85 - 4.80]	4.50 [0.85 - 5.60]	5.60 [0.90 - 7.10]	7.00 [0.90 - 8.00]
UK Heating		kW	3.35	3.91	4.98	5.64
Heating capacity at -7°C		kW	2.88	3.37	4.40	5.10
COP ¹⁾	Nominal (Min - Max)	W/W	4.05 [3.70 - 3.64]	3.31 [3.70 - 3.20]	3.03 [3.46 - 2.95]	2.92 [3.46 - 2.91]
SCOP ²⁾			4.30 A+	4.20 A+	4.30 A+	4.20 A+
Pdesign at -10°C		kW	2.70	3.00	3.80	4.00
Input power heating	Nominal (Min - Max)	kW	0.79 [0.23 - 1.32]	1.36 [0.23 - 1.75]	1.85 [0.26 - 2.41]	2.40 [0.26 - 2.75]
Annual energy consumption ³⁾		kWh/a	879	1000	1237	1333
Indoor unit			CS-Z25UB4EAW	CS-Z35UB4EAW	CS-Z50UB4EAW	CS-Z60UB4EAW
Panel			CZ-BT20EW	CZ-BT20EW	CZ-BT20EW	CZ-BT20EW
Air volume	Cool / Heat	m³/min	10.5/10.8	10.5/10.8	11.5/11.8	12.4/13.5
Moisture removal volume		L/h	1.5	2.0	2.8	3.3
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	34/25/22	34/26/23	37/28/25	42/32/29
	Heat (Hi / Lo / Q-Lo)	dB(A)	35/28/25	35/28/25	38/29/26	43/32/29
Dimension (HxWxD)	Indoor	mm	260x575x575	260x575x575	260x575x575	260x575x575
	Panel	mm	51x700x700	51x700x700	51x700x700	51x700x700
Net weight	Indoor / Panel	kg	18/2.5	18/2.5	18/2.5	18/2.5
Outdoor unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA	CU-Z60UBEA
Power source		V	230	230	230	230
Recommended fuse		A	—	—	—	—
Connection indoor / outdoor		mm²	—	—	—	—
Air volume	Cool / Heat	m³/min	28.7/27.2	34.3/33.5	39.7/38.6	42.6/41.5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46/47	48/48	48/48	49/50
Dimension ⁵⁾	HxWxD	mm	542x780x289	619x824x299	695x875x320	695x875x320
Net weight		kg	33	35	43	43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)	1/2 (12.70)	1/2 (12.70)
Pipe length range		m	3~20	3~20	3~30	3~30
Elevation difference (in/out) ⁶⁾		m	15	15	20	20
Pipe length for additional gas		m	7.5	7.5	7.5	7.5
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.88/0.594	0.93/0.628	1.13/0.763	1.13/0.763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1224	1359	1718	1919
Indoor unit Price		£	486	579	780	847
CZ-BT20EW RAL9010 Panel Price		£	146	146	146	146
Outdoor unit Price		£	592	634	792	926

Accessories		Price £
CZ-TACG1	Panasonic Comfort Cloud for internet control	97
CZ-CAPRA1	RAC interface adapter for integration into P-Link	138

Accessories		Price £
CZ-RD52CP	Wired remote controller for Cassette	92

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the indoor unit shows the value measured of a position 1.5m below the unit. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) Add 70mm for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-Z35-UB4. SUPER QUIET: For KIT-Z25-UB4. INTERNET CONTROL: Optional.



CZ-RL511D
Optional
wireless kit.



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

Low Static Pressure Hide Away Inverter • R32 Refrigerant

KIT			KIT-Z25-UD3	KIT-Z35-UD3	KIT-Z50-UD3	KIT-Z60-UD3
Cooling capacity	Nominal (Min - Max)	kW	2.50 [0.85 - 3.20]	3.50 [0.85 - 4.00]	5.10 [0.90 - 5.70]	6.00 [0.90 - 6.50]
UK Cooling	(Total - Sensible)	kW	2.30 - 2.29	3.09 - 2.77	3.63 - 2.92	4.25 - 3.42
EER ¹⁾	Nominal (Min - Max)	W/W	4.31 [3.54 - 3.76]	3.85 [3.54 - 3.36]	3.27 [3.53 - 3.20]	2.94 [3.53 - 2.83]
SEER ²⁾			5.90 A+	5.80 A+	5.90 A+	5.60 A+
Pdesign (cooling)		kW	2.50	3.50	5.10	6.00
Input power cooling	Nominal (Min - Max)	kW	0.58 [0.24 - 0.85]	0.91 [0.24 - 1.19]	1.56 [0.26 - 1.78]	2.04 [0.26 - 2.30]
Annual energy consumption ³⁾		kWh/a	148	211	303	375
Heating capacity	Nominal (Min - Max)	kW	3.20 [0.85 - 4.60]	4.20 [0.85 - 5.10]	6.10 [0.90 - 7.20]	7.00 [0.90 - 8.00]
UK Heating		kW	3.17	3.54	5.06	5.64
Heating capacity at -7°C		kW	2.60	3.00	4.50	5.10
COP ¹⁾	Nominal (Min - Max)	W/W	4.00 [3.70 - 3.68]	3.82 [3.70 - 3.59]	3.35 [3.46 - 3.27]	3.24 [3.46 - 3.08]
SCOP ²⁾			4.20 A+	4.10 A+	4.10 A+	4.10 A+
Pdesign at -10°C		kW	2.60	2.80	4.00	4.60
Input power heating	Nominal (Min - Max)	kW	0.80 [0.23 - 1.25]	1.10 [0.23 - 1.42]	1.82 [0.26 - 2.20]	2.16 [0.26 - 2.60]
Annual energy consumption ³⁾		kWh/a	867	956	1366	1571
Indoor unit			CS-Z25UD3EAW	CS-Z35UD3EAW	CS-Z50UD3EAW	CS-Z60UD3EAW
External static pressure ⁴⁾	Min - Max	Pa	15 - 45	15 - 45	15 - 50	15 - 50
Air volume	Cool / Heat	m³/min	10.5/10.5	11.2/11.2	15.3/15.3	15.7/15.7
Moisture removal volume		L/h	1.5	2.0	2.8	3.3
Sound pressure ⁵⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	33/27/24	33/27/24	39/29/26	41/30/27
	Heat (Hi / Lo / Q-Lo)	dB(A)	35/27/24	35/27/24	39/30/27	41/32/29
Dimension	H x W x D	mm	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight		kg	19	19	19	19
Outdoor unit			CU-Z25UBEA	CU-Z35UBEA	CU-Z50UBEA	CU-Z60UBEA
Power source		V	230	230	230	230
Recommended fuse		A	16	16	16	—
Connection indoor / outdoor		mm²	4 x 1.5 ~ 2.5	4 x 1.5 ~ 2.5	4 x 1.5 ~ 2.5	—
Air volume	Cool / Heat	m³/min	28.7/27.2	34.3/33.5	39.7/38.6	42.6/41.5
Sound pressure ⁵⁾	Cool / Heat (Hi)	dB(A)	46/47	48/48	48/48	49/50
Dimension ⁶⁾	H x W x D	mm	542 x 780 x 289	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	33	35	43	43
Piping connections	Liquid pipe	Inch (mm)	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]
	Gas pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	1/2 [12.70]	1/2 [12.70]
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) ⁷⁾		m	15	15	20	20
Pipe length for additional gas		m	7.5	7.5	7.5	7.5
Additional gas amount		g/m	10	10	15	15
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.88/0.594	0.93/0.628	1.13/0.763	1.13/0.763
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1226	1298	1675	1847
Indoor unit Price		£	634	664	883	921
Outdoor unit Price		£	592	634	792	926

Accessories		Price £
CZ-TACG1	Panasonic Comfort Cloud for internet control	97
CZ-CAPRA1	RAC interface adapter for integration into P-Link	138

Accessories		Price £
CZ-RD514C	Wired remote controller for Wall-mounted and Floor Console	104

1) EER and COP calculation is based in accordance to EN14511. 2) Energy Label Scale from A+++ to D. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The specification listed on the table indicates values under the condition of 25Pa [2.5mmAq] which are applied for factory default setting. Change switch on PCB from Hi to S-Hi to have more than 6.0mmAq. 5) The sound pressure of the indoor unit shows the value measured at a position of 1.5m below the unit with 1m duct on the suction side and 2m duct on the discharge side. For outdoor unit 1m in front and 1m in rear side of main body. The sound pressure is measured in accordance with JIS C 9612. 6) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 7) When installing the outdoor unit at a higher position than the indoor unit.



SEER and SCOP: For KIT-Z25-UD3. INTERNET CONTROL: Optional.

Multi Split and Free Multi System



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

Panasonic offers widest range in Multi Split systems

2 types of Multi Split range from 3.5 to 9.0kW for 5 indoor units with one outdoor unit.

Free Multi Z	Multi Wall-mounted TZ super-compact
Full flexibility up to 9.0kW and up to 5 ports with wide range of indoor units including high performance Etherea indoor units. reaching up to A+++ / A++	From 4.1 to 5.2kW for TZ super-compact unit. reaches A++ / A+

				Indoor units				
Line up	Capacities	Indoor unit ports	Efficiency up to	Etherea	TZ super-compact	Floor Console	Cassette	Hide Away
Multi Z	8 units (3.5 ~ 9.0kW)	2~5	A+++ / A++	Yes	Yes	Yes	Yes	Yes
Multi TZ	3 units (4.1 ~ 5.2kW)	2~3	A++ / A+		Yes			

Multi Split systems

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

Why a Multi Split is better than several separate split units

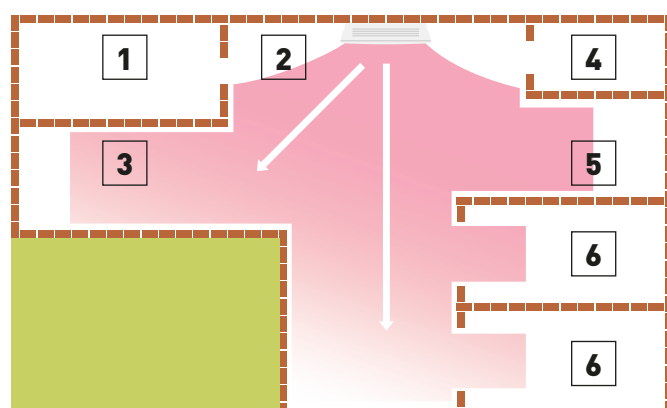
Up to 5 indoor units with a single outdoor unit.

- 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 optimum 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.

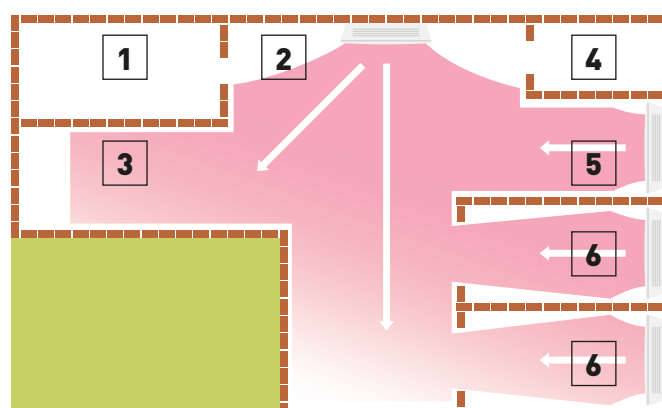
One indoor unit is connected to one outdoor unit. The indoor unit is placed in the main hallway and heats the entire house. Certain rooms may not be perfectly heated, which causes inadequate comfort.



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

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.





Outdoor unit Free Multi System Z • R32 Refrigerant

Indoor nominal capacity (Min - Max)			3.2~6.0kW	3.2~6.0kW	3.2~7.7kW	4.5~9.5kW	4.5~11.2kW	4.5~11.5kW	4.5~14.7kW	4.5~18.3kW
Unit			CU-2Z35TBE	CU-2Z41TBE	CU-2Z50TBE	CU-3Z52TBE	CU-3Z68TBE	CU-4Z68TBE	CU-4Z80TBE	CU-5Z90TBE
Cooling capacity	Nominal (Min - Max)	kW	3.50(1.50-4.50)	4.10(1.50-5.20)	5.00(1.50-5.40)	5.20(1.80-7.30)	6.80(1.90-8.00)	6.80(1.90-8.80)	8.00(3.00-9.20)	9.00(2.90-11.50)
EER ¹⁾	Nominal (Min - Max)	W/W	4.86(6.00-4.09)	4.56(6.00-3.80)	4.24(6.00-3.62)	4.77	3.66(7.04-3.38)	4.39(5.59-3.56)	4.04(5.66-3.21)	4.09(5.27-2.98)
SEER ²⁾			8.50 A++	8.50 A++	8.50 A++	8.50 A++	8.00 A++	8.00 A++	7.90 A++	8.50 A++
Pdesign (cooling)		kW	3.50	4.10	5.00	5.20	6.80	6.80	8.00	9.00
Input power cooling	Nominal (Min - Max)	kW	0.72(0.25-1.10)	0.90(0.25-1.37)	1.18(0.25-1.49)	1.09(0.36-2.18)	1.86(0.27-2.37)	1.55(0.34-2.47)	1.98(0.53-2.87)	2.20(0.55-3.86)
Annual energy consumption ³⁾		kWh/a	144	169	206	214	298	298	990	1100
Heating capacity	Nominal (Min - Max)	kW	4.20(1.10-5.60)	4.60(1.10-7.00)	5.60(1.10-7.20)	6.80(1.60-8.30)	8.50(3.30-10.40)	8.50(3.00-10.60)	9.40(4.20-10.60)	10.40(3.40-14.50)
Heating capacity at -7°C		kW	—	—	—	3.95	4.45	4.45	—	—
COP ¹⁾	Nominal (Min - Max)	W/W	4.88(5.24-4.18)	4.79(5.24-3.91)	4.63(5.24-4.00)	4.63(5.00-3.82)	3.95(5.32-3.64)	4.47(5.17-3.96)	4.63(6.00-3.46)	4.84(6.42-3.42)
SCOP ²⁾			4.60 A++	4.60 A++	4.60 A++	4.20 A+	4.20 A+	4.20 A+	4.70 A++	4.68 A++
Pdesign at -10°C		kW	3.20	3.50	4.20	5.00	5.20	5.80	6.80	8.50
Input power heating	Nominal (Min - Max)	kW	0.86(0.21-1.34)	0.96(0.21-1.79)	1.21(0.21-1.80)	1.47(0.32-2.17)	2.15(0.62-2.86)	1.90(0.58-2.68)	2.03(0.70-3.06)	2.15(0.53-4.24)
Annual energy consumption ³⁾		kWh/a	974	1065	1278	1667	1733	1933	2026	2543
Current	Cool / Heat	A	3.35/4.00	4.15/4.45	5.35/5.50	5.00/6.70	8.40/9.70	7.00/8.60	9.50/9.50	10.50/10.10
Power source		V	230	230	230	230	230	230	230	230
Recommended fuse		A	16	16	16	16	16	20	20	25
Recommended power cable section		mm ²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.5
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48/50	48/50	50/52	47/48	51/52	49/50	51/52	53/54
Dimension ⁵⁾	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	795 x 875 x 320	795 x 875 x 320	795 x 875 x 320	999 x 940 x 340	999 x 940 x 340
Net weight		kg	39	39	39	71	71	72	80	81
Piping connections	Liquid pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
	Gas pipe	Inch (mm)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
Pipe length range total ⁶⁾		m	6~30	6~30	6~30	6~50	6~60	6~60	6~70	6~80
Pipe length range to one unit		m	3~20	3~20	3~20	3~25	3~25	3~25	3~25	3~25
Elevation difference (in/out)		m	10	10	10	15	15	15	15	15
Pipe length for additional gas		m	20	20	20	30	30	30	45	45
Additional gas amount		g/m	15	15	15	20	20	20	20	20
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.12/0.756	1.12/0.756	1.12/0.756	2.10/1.418	2.10/1.418	2.10/1.418	2.72/1.836	2.72/1.836
Operating range	Cool Min ~ Max	°C	-10~+46	-10~+46	-10~+46	-10~+46	-10~+46	-10~+46	-10~+46	-10~+46
	Heat Min ~ Max	°C	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24	-15~+24
Outdoor unit Price			£ 950	1079	1226	1478	1680	1883	2364	2776

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

Possible outdoor / indoor units combinations • R32 Refrigerant

Rooms	Model	Indoor capacity connected (Min - Max)	Wall-mounted Etherea Silver	Wall-mounted Etherea Pure White Matt	NEW Wall-mounted TZ super-compact	Floor Console*	4 Way 60x60 Cassette	Low Static Pressure Hide Away
			16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71	16 20 25 35 42 50 60 71
2	CU-2Z35TBE	3.2~6.0kW	✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	CU-2Z41TBE	3.2~6.0kW	✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	CU-2Z50TBE	3.2~7.7kW	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾
3	CU-3Z52TBE	4.5~9.5kW	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾		✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾
	CU-3Z68TBE	4.5~11.2kW	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾		✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾
4	CU-4Z68TBE	4.5~11.5kW	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾		✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾
	CU-4Z80TBE	4.5~14.7kW	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾		✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾
5	CU-5Z90TBE	4.5~18.3kW	✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ✓ ⁽¹⁾		✓ ✓ ✓ ✓ ⁽¹⁾	✓ ✓ ✓ ✓ ⁽¹⁾

1) A CZ-MA1P pipe reducer is needed on the 42 and 50, a CZ-MA2P pipe expander is needed on the 60 and 71, and CZ-MA3P pipe reducer on the 71.

* Compatible only with 2 ports R32 outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE. Minimum quantity of connection: 2 indoor units.

Outdoor Multi combination model

	Model
CS-MZ16VKE / CS-MTZ16WKE CS-XZ20VKEW / CS-Z20VKEW / CS-TZ20WKEW / CS-MZ20UFEA / CS-MZ20UB4EA / CS-MZ20UD3EA CS-XZ25VKEW / CS-Z25VKEW / CS-TZ25WKEW / CS-Z25UFEAW / CS-Z25UB4EAW / CS-Z25UD3EAW CS-XZ35VKEW / CS-Z35VKEW / CS-TZ35WKEW / CS-Z35UFEAW / CS-Z35UB4EAW / CS-Z35UD3EAW	CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-Z42VKEW / CS-TZ42WKEW CS-XZ50VKEW / CS-Z50VKEW / CS-TZ50WKEW / CS-Z50UFEAW / CS-Z50UB4EAW / CS-Z50UD3EAW	CU-2Z50TBE / CU-3Z52TBE / CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-TZ60WKEW / CS-Z60UB4EAW / CS-Z60UD3EAW	CU-3Z68TBE / CU-4Z68TBE / CU-4Z80TBE / CU-5Z90TBE
CS-Z71VKEW / CS-TZ71WKEW	CU-4Z80TBE / CU-5Z90TBE



CZ-RD514C
Optional wired
remote
controller.

INTERNET CONTROL: Built-in WLAN.



Wall-mounted Etherea	Indoor unit Silver	Indoor unit Pure White Matt	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ¹⁾		Dimension / Net weight		Piping connections	Silver Price	White Price
			kW	kW	mm ²	Cool — Heat (Hi/L0/S-Lo)	dB(A)	H x W x D	mm / kg	Liquid / Gas pipe	£	£
1.6kW	—	CS-MZ16VKE	1.60	2.60	4 x 1.5	38/26/21 — 39/27/21	38/26/21	295 x 919 x 194/9	295 x 919 x 194/9	1/4 {6.35}/3/8 {9.52}	—	236
2.0kW	CS-XZ20VKEW	CS-Z20VKEW	2.00	3.20	4 x 1.5	39/26/21 — 40/27/21	39/26/21	295 x 919 x 194/9	295 x 919 x 194/9	1/4 {6.35}/3/8 {9.52}	288	265
2.5kW	CS-XZ25VKEW	CS-Z25VKEW	2.50	3.60	4 x 1.5	41/27/21 — 43/29/21	41/27/21	295 x 919 x 194/10	295 x 919 x 194/10	1/4 {6.35}/3/8 {9.52}	350	325
3.5kW	CS-XZ35VKEW	CS-Z35VKEW	3.20	4.50	4 x 1.5	44/30/21 — 45/35/21	44/30/21	295 x 919 x 194/10	295 x 919 x 194/10	1/4 {6.35}/3/8 {9.52}	398	362
4.2kW	—	CS-Z42VKEW	4.00	5.60	4 x 1.5	44/33/27 — 45/37/31	44/33/27	295 x 919 x 194/10	295 x 919 x 194/10	1/4 {6.35}/1/2 {12.70}	—	377
5.0kW	CS-XZ50VKEW	CS-Z50VKEW	5.00	6.80	4 x 1.5	44/39/32 — 46/39/32	44/39/32	302 x 1120 x 236/12	302 x 1120 x 236/12	1/4 {6.35}/1/2 {12.70}	649	519
7.1kW	—	CS-Z71VKEW	7.10	8.60	—	49/40/32 — 49/40/32	49/40/32	302 x 1120 x 236/13	302 x 1120 x 236/13	1/4 {6.35}/5/8 {15.88}	—	818



CZ-RD514C
Optional wired
remote
controller.

**NEW
2020**

INTERNET CONTROL:
Built-in WLAN.



NEW Wall-mounted TZ super-compact	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ¹⁾		Dimension / Net weight		Piping connections	Price
		kW	kW	mm ²	Cool — Heat (Hi/L0/S-Lo)	dB(A)	H x W x D	mm / kg	Liquid / Gas pipe	£
1.6kW*	CS-MTZ16WKE	1.60	2.60	4 x 1.5	38/27/22 — 39/28/24	38/27/22	290 x 779 x 209/8	290 x 779 x 209/8	1/4 {6.35}/3/8 {9.52}	251
2.0kW	CS-TZ20WKEW	2.00	2.70	4 x 1.5	37/25/20 — 38/26/22	37/25/20	290 x 779 x 209/8	290 x 779 x 209/8	1/4 {6.35}/3/8 {9.52}	279
2.5kW	CS-TZ25WKEW	2.50	3.30	4 x 1.5	40/26/20 — 40/27/22	40/26/20	290 x 779 x 209/8	290 x 779 x 209/8	1/4 {6.35}/3/8 {9.52}	312
3.5kW ²⁾	CS-TZ35WKEW	3.50	4.00	4 x 1.5	42/30/20 — 42/33/22	42/30/20	290 x 779 x 209/8	290 x 779 x 209/8	1/4 {6.35}/3/8 {9.52}	347
4.2kW	CS-TZ42WKEW	4.20	5.00	4 x 1.5	44/31/29 — 44/35/34	44/31/29	290 x 779 x 209/8	290 x 779 x 209/8	1/4 {6.35}/1/2 {12.70}	395
5.0kW	CS-TZ50WKEW	5.00	5.80	4 x 2.5	44/37/33 — 44/37/33	44/37/33	290 x 779 x 209/8	290 x 779 x 209/8	1/4 {6.35}/1/2 {12.70}	432
6.0kW	CS-TZ60WKEW	6.00	7.00	4 x 2.5	45/37/34 — 45/37/34	45/37/34	302 x 1102 x 244/13	302 x 1102 x 244/13	1/4 {6.35}/1/2 {12.70}	619
7.1kW	CS-TZ71WKEW	7.10	8.60	4 x 2.5	47/38/35 — 47/38/35	47/38/35	302 x 1102 x 244/13	302 x 1102 x 244/13	1/4 {6.35}/5/8 {15.88}	718



CZ-RD514C
Optional wired
remote
controller.

INTERNET CONTROL: Optional.



Floor Console ³⁾	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ⁴⁾		Dimension / Net weight		Piping connections	Price
		kW	kW	mm ²	Cool — Heat (Hi/L0/S-Lo)	dB(A)	H x W x D	mm / kg	Liquid / Gas pipe	£
2.0kW	CS-MZ20UFEA	2.00	3.20	4 x 1.5	39/27/22 — 39/27/21	39/27/22	600 x 750 x 207/13	600 x 750 x 207/13	1/4 {6.35}/3/8 {9.52}	509
2.5kW	CS-Z25UFEAW	2.50	3.60	4 x 1.5	40/27/22 — 40/27/21	40/27/22	600 x 750 x 207/13	600 x 750 x 207/13	1/4 {6.35}/3/8 {9.52}	635
3.5kW ²⁾	CS-Z35UFEAW	3.50	4.50	4 x 1.5	41/28/22 — 41/28/21	41/28/22	600 x 750 x 207/13	600 x 750 x 207/13	1/4 {6.35}/3/8 {9.52}	689
5.0kW	CS-Z50UFEAW	5.00	5.30	4 x 1.5	44/33/29 — 48/35/31	44/33/29	600 x 750 x 207/13	600 x 750 x 207/13	1/4 {6.35}/1/2 {12.70}	815



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



CZ-RD52CP
Optional wired
remote
controller.

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



4 Way 60x60 Cassette	Indoor unit (Panel CZ-BT20EW)	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ⁴⁾		Dimension / Net weight		Piping connections	Indoor Price	Panel Price
		kW	kW	mm ²	Cool — Heat (Hi/L0/S-Lo)	dB(A)	Indoor H x W x D	Panel H x W x D	Liquid / Gas pipe	£	£
2.0kW	CS-MZ20UB4EA	2.00	3.20	4 x 1.5	35/27/24 — 36/30/27	35/27/24	260 x 575 x 575/18	51 x 700 x 700/2.5	1/4 {6.35}/3/8 {9.52}	407	146
2.5kW	CS-Z25UB4EAW	2.50	3.60	4 x 1.5	36/27/24 — 37/30/27	36/27/24	260 x 575 x 575/18	51 x 700 x 700/2.5	1/4 {6.35}/3/8 {9.52}	486	146
3.5kW ²⁾	CS-Z35UB4EAW	3.50	4.50	4 x 1.5	36/28/25 — 37/30/27	36/28/25	260 x 575 x 575/18	51 x 700 x 700/2.5	1/4 {6.35}/3/8 {9.52}	579	146
5.0kW ⁵⁾	CS-Z50UB4EAW	5.00	6.80	4 x 1.5	39/30/27 — 40/31/28	39/30/27	260 x 575 x 575/18	51 x 700 x 700/2.5	1/4 {6.35}/1/2 {12.70}	780	146
6.0kW	CS-Z60UB4EAW	6.00	8.50	4 x 1.5	44/34/31 — 45/34/31	44/34/31	260 x 575 x 575/18	51 x 700 x 700/2.5	1/4 {6.35}/1/2 {12.70}	847	146



CZ-RL511D
Optional
wireless kit.

INTERNET CONTROL and BMS CONNECTIVITY: Optional.



Low Static Pressure Hide Away	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ⁷⁾		Dimension / Net weight		Piping connections	Price
		kW	kW	mm ²	Cool — Heat (Hi/L0/S-Lo)	dB(A)	H x W x D	mm / kg	Liquid / Gas pipe	£
2.0kW	CS-MZ20UD3EA	2.00	3.20	4 x 1.5	34/29/26 — 36/29/26	34/29/26	200 x 750 x 640/19	200 x 750 x 640/19	1/4 {6.35}/3/8 {9.52}	525
2.5kW	CS-Z25UD3EAW	2.50	3.60	4 x 1.5	35/29/26 — 37/29/26	35/29/26	200 x 750 x 640/19	200 x 750 x 640/19	1/4 {6.35}/3/8 {9.52}	634
3.5kW ²⁾	CS-Z35UD3EAW	3.50	4.50	4 x 1.5	35/29/26 — 37/29/26	35/29/26	200 x 750 x 640/19	200 x 750 x 640/19	1/4 {6.35}/3/8 {9.52}	664
5.0kW ⁵⁾	CS-Z50UD3EAW	5.00	6.80	4 x 1.5	41/31/28 — 41/32/29	41/31/28	200 x 750 x 640/19	200 x 750 x 640/19	1/4 {6.35}/1/2 {12.70}	883
6.0kW	CS-Z60UD3EAW	6.00	8.50	4 x 1.5	43/32/29 — 43/34/31	43/32/29	200 x 750 x 640/19	200 x 750 x 640/19	1/4 {6.35}/1/2 {12.70}	921

1) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0.8m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 2) The heating capacity is 4.2kW connected to a CU-Z235TBE. 3) Compatible only with 2 ports R32 outdoor CU-Z235TBE / CU-Z241TBE / CU-Z250TBE. Minimum quantity of connection: 2 indoor units. Floor console indoor unit is compatible with R410A outdoors with 3, 4 or 5 ports: CU-3E18PBE, CU-3E23SBE, CU-4E23PBE, CU-4E27PBE and CU-5E34PBE. 4) The sound pressure of the units shows the value measured of a position 1m in front of the main body and 1m above floor. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 5) The heating capacity is 5.3kW connected to a CU-Z250TBE. 6) The sound pressure of the indoor unit shows the value measured of a position 1.5m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. 7) The sound pressure of the indoor unit shows the value measured of a position of 1.5m below the unit with 1m duct on the suction side and 2m duct on the discharge side. The sound pressure is measured in accordance with JIS C 9612. * Tentative data.



Outdoor unit Multi Wall TZ • R32 Refrigerant

Indoor nominal capacity (Min - Max)			3.2 ~ 6.0kW	3.2 ~ 7.7kW	4.5 ~ 9.5kW
Unit			CU-2TZ41TBE	CU-2TZ50TBE	CU-3TZ52TBE
Cooling capacity	Nominal (Min - Max)	kW	4.10 [1.50 - 4.70]	5.00 [1.50 - 5.40]	5.20 [1.80 - 6.60]
EER ¹⁾	Nominal (Min - Max)	W/W	4.14 [5.56 - 3.41]	3.85 [5.56 - 3.33]	4.52 [3.67 - 5.00]
SEER ²⁾			7.10 A++	7.00 A++	7.60 A++
Pdesign (cooling)		kW	4.10	5.00	5.20
Input power cooling	Nominal (Min - Max)	kW	0.99 [0.27 - 1.38]	1.30 [0.27 - 1.62]	1.15 [0.36 - 1.80]
Annual energy consumption ³⁾		kWh/a	202	250	239
Heating capacity	Nominal (Min - Max)	kW	4.40 [1.10 - 6.30]	5.70 [1.10 - 6.40]	6.80 [1.60 - 7.50]
Heating capacity at -7°C		kW	—	—	—
COP ¹⁾	Nominal (Min - Max)	W/W	4.44 [5.00 - 3.54]	4.35 [5.00 - 3.62]	4.28 [3.87 - 5.00]
SCOP ²⁾			4.30 A+	4.20 A+	4.20 A+
Pdesign at -10°C		kW	3.50	4.50	5.00
Input power heating	Nominal (Min - Max)	kW	0.99 [0.22 - 1.78]	1.31 [0.22 - 1.77]	1.59 [0.32 - 1.94]
Annual energy consumption ³⁾		kWh/a	1139	1500	1667
Current	Cool / Heat	A	4.60 / 4.60	6.00 / 6.00	5.30 / 7.30
Power source		V	230	230	230
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	48 / 50	50 / 52	48 / 48
Dimension ⁵⁾	H x W x D	mm	542 x 780 x 289	542 x 780 x 289	795 x 875 x 320
Net weight		kg	35	35	71
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]	3/8 [9.52]
Pipe length range total		m	6 ~ 30	6 ~ 30	6 ~ 50
Pipe length range to one unit		m	3 ~ 20	3 ~ 20	3 ~ 25
Elevation difference (in/out)		m	10	10	15
Pipe length for additional gas		m	20	20	30
Additional gas amount		g/m	15	15	20
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.9 / 0.6075	0.9 / 0.6075	2.1 / 1.4175
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Outdoor unit Price			£ 1039	£ 1181	£ 1424

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

Possible outdoor / indoor units combinations • R32 Refrigerant

Rooms	Model	Indoor capacity connected (Min - Max)	NEW Wall-mounted TZ super-compact					
			16	20	25	35	42	50
2	CU-2TZ41TBE	3.2 ~ 6.0kW	✓	✓	✓	✓		
	CU-2TZ50TBE	3.2 ~ 7.7kW	✓	✓	✓	✓	✓	✓
3	CU-3TZ52TBE	4.5 ~ 9.5kW	✓	✓	✓	✓	✓	✓

Minimum quantity of connection: 2 indoor units.



CZ-RD514C
Optional wired remote controller.



INTERNET CONTROL: Built-in WLAN.



NEW Wall-mounted TZ super-compact	Indoor unit	Cooling capacity	Heating capacity	Connection in. / out.	Sound pressure ¹⁾	Dimension / Net weight	Piping connections	Price
		kW	kW	mm ²	Cool — Heat (Hi/Low/S-Lo)	H x W x D	Liquid / Gas pipe	
					dB(A)	mm / kg	Inch (mm)	£
1.6kW*	CS-MTZ16WKE	1.60	2.60	4 x 1.5	38/27/22 — 39/28/24	290 x 779 x 209 / 8	1/4 (6.35) / 3/8 (9.52)	251
2.0kW	CS-TZ20WKEW	2.00	2.70	4 x 1.5	37/25/20 — 38/26/22	290 x 779 x 209 / 8	1/4 (6.35) / 3/8 (9.52)	279
2.5kW	CS-TZ25WKEW	2.50	3.30	4 x 1.5	40/26/20 — 40/27/22	290 x 779 x 209 / 8	1/4 (6.35) / 3/8 (9.52)	312
3.5kW ²⁾	CS-TZ35WKEW	3.50	4.00	4 x 1.5	42/30/20 — 42/33/22	290 x 779 x 209 / 8	1/4 (6.35) / 3/8 (9.52)	347
4.2kW	CS-TZ42WKEW	4.20	5.00	4 x 1.5	44/31/29 — 44/35/34	290 x 779 x 209 / 8	1/4 (6.35) / 1/2 (12.70)	395
5.0kW	CS-TZ50WKEW	5.00	5.80	4 x 2.5	44/37/33 — 44/37/33	290 x 779 x 209 / 8	1/4 (6.35) / 1/2 (12.70)	432

1) The sound pressure of the indoor unit shows the value measured of a position 1m in front of the main body and 0.8m below the unit. The sound pressure is measured in accordance with JIS C 9612. Q-Lo: Quiet mode. Lo: The lowest set fan speed. * Tentative data.



INTERNET CONTROL: Built-in WLAN.



Wall-mounted Etherea Multi Split Inverter+ • R32 Refrigerant

			Day and Night			
Rooms			2 Rooms		3 Rooms	
Kit Silver			KIT-2XZ2525-TBE	KIT-2XZ2035-TBE	KIT-2XZ2535-TBE	KIT-3XZ202035-TBE KIT-3XZ252535-TBE
Indoor unit Silver			CS-XZ25VKEW	CS-XZ35VKEW	CS-XZ35VKEW	CS-XZ35VKEW CS-XZ35VKEW
			CS-XZ25VKEW	CS-XZ20VKEW	CS-XZ25VKEW	CS-XZ20VKEW CS-XZ25VKEW
Kit Pure White Matt			KIT-2Z2525-TBE	KIT-2Z2035-TBE	KIT-2Z2535-TBE	KIT-3Z202035-TBE KIT-3Z252535-TBE
Indoor unit Pure White Matt			CS-Z25VKEW	CS-Z35VKEW	CS-Z35VKEW	CS-Z35VKEW CS-Z35VKEW
			CS-Z25VKEW	CS-Z20VKEW	CS-Z25VKEW	CS-Z20VKEW CS-Z25VKEW
Outdoor unit			CU-2Z41TBE	CU-2Z41TBE	CU-2Z41TBE	CU-3Z52TBE CU-3Z52TBE
Cooling capacity	Nominal (Min - Max)	kW	2.50 [1.10 - 3.50]	4.10 [1.50 - 5.20]	4.10 [1.50 - 5.20]	5.20 [1.80 - 7.30] 5.20 [1.80 - 7.30]
EER		W/W	3.73	4.56	4.56	4.48 4.48
SEER			8.50 A+++	8.50 A+++	8.50 A+++	8.50 A+++ 8.50 A+++
Heating capacity	Nominal (Min - Max)	kW	3.60 [0.70 - 5.50]	4.60 [1.10 - 7.00]	4.60 [1.10 - 7.00]	6.80 [1.60 - 8.30] 6.80 [1.60 - 8.30]
COP		W/W	3.50	4.84	4.84	4.79 4.79
SCOP			4.60 A++	4.60 A++	4.60 A++	4.60 A++ 4.60 A++
Indoor dimension	(H x W x D)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194 295 x 919 x 194
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20) 10
Kit Silver Price		£	1779	1765	1827	2452 2576
Kit Pure White Matt Price		£	1729	1706	1766	2370 2490

			Simultaneous			
Rooms			2 Rooms		3 Rooms	
Kit Silver			KIT-2XZ2525-VKE	KIT-2XZ2035-VKE	KIT-2XZ2535-VKE	KIT-3XZ202035-VKE KIT-3XZ252535-VKE
Indoor unit Silver			CS-XZ25VKEW	CS-XZ35VKEW	CS-XZ35VKEW	CS-XZ35VKEW CS-XZ35VKEW
			CS-XZ25VKEW	CS-XZ20VKEW	CS-XZ25VKEW	CS-XZ20VKEW CS-XZ25VKEW
Kit Pure White Matt			KIT-2Z2525-VKE	KIT-2Z2035-VKE	KIT-2Z2535-VKE	KIT-3Z202035-VKE KIT-3Z252535-VKE
Indoor unit Pure White Matt			CS-Z25VKEW	CS-Z35VKEW	CS-Z35VKEW	CS-Z35VKEW CS-Z35VKEW
			CS-Z25VKEW	CS-Z20VKEW	CS-Z25VKEW	CS-Z20VKEW CS-Z25VKEW
Outdoor unit			CU-2Z50TBE	CU-2Z50TBE	CU-2Z50TBE	CU-3Z68TBE CU-3Z68TBE
Cooling capacity	Nominal (Min - Max)	kW	5.00 [1.50 - 5.40]	5.00 [1.50 - 5.40]	5.00 [1.50 - 5.40]	6.80 [1.90 - 8.00] 6.80 [1.90 - 8.00]
EER		W/W	4.24	4.24	4.24	3.56 3.56
SEER			8.50 A+++	8.50 A+++	8.50 A+++	8.00 A++ 8.00 A++
Heating capacity	Nominal (Min - Max)	kW	5.60 [1.10 - 7.20]	5.40 [1.10 - 7.20]	5.40 [1.10 - 7.20]	8.50 [3.30 - 10.40] 8.50 [3.30 - 10.40]
COP		W/W	4.63	4.63	4.63	4.09 4.09
SCOP			4.60 A++	4.60 A++	4.60 A++	4.20 A+ 4.20 A+
Indoor dimension	(H x W x D)	mm	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194	295 x 919 x 194 295 x 919 x 194
Indoor net weight		kg	10	10 (9 for Z20)	10	10 (9 for Z20) 10
Kit Silver Price		£	1926	1912	1974	2654 2778
Kit Pure White Matt Price		£	1876	1853	1913	2572 2692



Control and Connectivity

Panasonic offers its customers cutting-edge technology, specially designed to ensure our air conditioning systems deliver even higher performance.

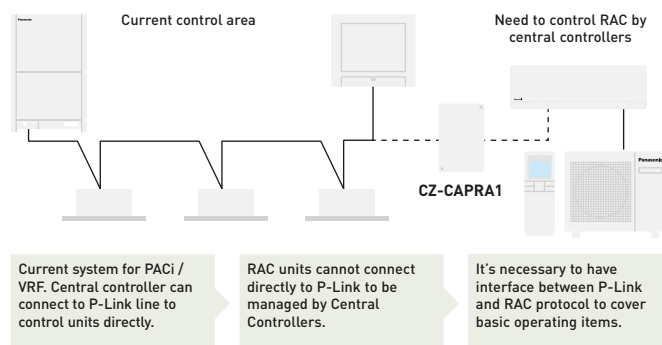
You can properly manage the air conditioning and perform comprehensive monitoring and control, with all of the features the remote controller provides at home, from anywhere in the world thanks to the internet applications Panasonic has created for you.

Domestic integration to P-Link - CZ-CAPRA1

Can connect RAC range to P-Link. Full control is now possible.

Integrates any unit in big system control.

- TKEA server room integration
- Small offices with domestic indoors
- Tender for refurbishment (old system Domestic and VRF in one installation)



Basic operation items: ON/OFF, Mode select, Temperature setting, Fan speed, Flap setting, Remote control prohibit.

External input: ON/OFF control signal, Abnormal stop signal.

External output for Relay ¹⁾: Operation status (ON/OFF), Alarm status output.

¹⁾ Because current CN-CNT connector can not provide the power for external output relay, additional Input power for external relay is necessary.

Connectivity. Control by BMS

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

Reference	KNX [®] PAW-AC-KNX-1i	Modbus [®] PAW-AC-MBS-1	BACnet [™] PAW-AC-BAC-1 ¹⁾
Quick installation and possibility of hidden installation	✓	✓	✓
External power not required	✓	✓	✓
Direct connection to the AC indoor unit	✓ (Split or Multi Split)	✓ (Split or Multi Split)	✓
Control and monitoring of the internal variables of the indoor unit and error codes and indication	✓ Fully compatible	✓ Fully compatible	
Use the AC ambient temperature or the one measured by external sensor	✓	✓	
AC unit can be controlled simultaneously by the remote controller of the AC unit and interface devices	✓	✓	
Advanced control functions	✓	✓	
4 binary inputs. They work as standard interface binary inputs as well as being used to control the AC directly	✓	✓	
Total Control and Supervision. Real states of the AC unit's internal variables			✓

¹⁾ This interface allows a complete and natural integration of Panasonic air conditioners into either BACnet IP or MS/TP networks. Is a BTL certified device.

PAW-AC-DIO

Dry contact ON/OFF Interface. Panasonic has developed for hotels applications a dry contact PCB which works with Etherea 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

Model name	Interface
CZ-TACG1	Panasonic Comfort Cloud for internet control
CZ-CAPRA1	RAC interface adapter for integration into P-Link, plus external input and alarm/status output
PAW-AC-KNX-1i	This interface can be used with all models which have a CN-CNT connector
PAW-AC-MBS-1	This interface can be used with all models which have a CN-CNT connector
PAW-AC-BAC-1	This interface can be used with all models which have a CN-CNT connector

Model name	Interface
PAW-AC-HEAT-1	Heating only PCB for Etherea, 4-Way 60x60 Cassette and Low static pressure hide away
PAW-AC-DIO	This interface can be used with all models which have a CN-RMT connector
PAW-SMSCONTROL	Control of the Etherea, Flagship and Heatcharge by SMS (need additional SIM card)

Accessories and Control

Accessories Interfaces



CZ-TACG1

Panasonic Comfort Cloud for internet control.

97 £



CZ-CAPRA1

RAC interface adapter for integration into P-Link, plus external input and alarm/status output.

138 £



PAW-AC-KNX-1i

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

306 £



PAW-AC-MBS-1

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

306 £



PAW-AC-BAC-1

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

459 £



PAW-AC-DIO

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

153 £



PAW-AC-HEAT-1

Heating only PCB for Ethera, 4 Way 60x60 Cassette and Hide Away.

107 £



PAW-SMSPCONTROL

Control of the Ethera, Flagship and Heatcharge by SMS (need additional SIM card).

240 £

Panel



CZ-BT20EW

RAL9010 panel for 4 Way 60x60 Cassette.

146 £

Individual Controls



CZ-RD514C

Wired remote controller for wall type.

104 £



CZ-RD52CP

Wired remote controller for Cassette.

92 £



CZ-RL511D

Infrared remote controller Sky Remote. 2m cable length of infrared receiver for Hide Away.

89 £



Panasonic Commercial air to air

Here are the highlights of new PACi generation - NX Series. This is a new proposal by Panasonic ideal for building renovation.

New PACi NX Series. The next generation is here.

NX Series with R32 Refrigerant has been developed to meet the demands of easy refurbishment with 3 wired power supply and communications. Also new series are integrated with IoT solutions as well as nanoe™ X that improves indoor air quality.

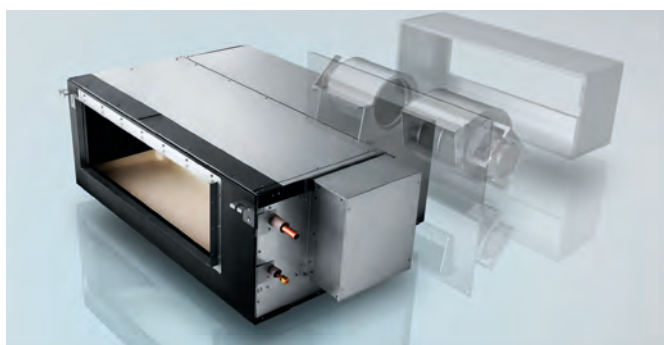


New wired remote controller.

Panasonic has developed the new wired remote controller to meet the modern control needs. The controller provides great accessibility and convenient tools in a stylish design.

Panasonic PACi R32 up to 25.0kW.

Panasonic PACi provides a wide range of heating & cooling solutions with R32 refrigerant from 3.6 to 25.0kW. From residential to commercial applications, it's the low GWP solution.



R32 Big PACi with a Split-able Hide Away indoor.

New Hide Away indoor. The new light weight and compact body design can be split into 3 components, providing simplified installation within a space with narrow access. IoT solutions by Panasonic such as Comfort Cloud control and AC Smart Cloud are both available in this range.

Highly-Efficient Water Heat Exchanger for PACi series.

This ground-breaking product gives further possibilities of PACi solutions by adding hydronic options. Providing not only an efficient operation with A++ Energy efficiency class*, but also 2 installation configurations (Wall-mounted and Floor-standing) meeting the needs of various spaces.

* Scale from A+++ to D.



PACi outdoor units. Energy saving concept



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

PACi R32 Refrigerant Gas

Panasonic recommends R32 because of its lower Global Warming Potential (GWP). Compared to R22 and R410A, R32 has a very low potential impact on global warming.

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

1 Installation innovation

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

2 Environmental innovation

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

3 Economic and energy consumption innovation

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

PACi Elite: Next generation of commercial air conditioning

Outstanding performance at low temperatures, high energy efficiency, power consumption in remote control display. The structure and energy saving design of fans, fan motors, compressors and heat exchangers resulted in high COP value, which ranks as one of the highest class in the industry. Additional benefits include reduced CO₂ emissions, energy consumption and operating costs.

PACi Elite. From 3.6 to 25.0kW.

- Meeting all necessary safety approvals to ensure quality and safety

- Top class SEER: A+++ / SCOP: A+++ at 3.6kW (in 90x90 Cassette)
- Cooling operation is possible when outdoor temperature as high as 46°C
- DC inverter technology combined with R32 and R410A
- Cooling operation is possible when outdoor temperature is as low as -20°C (for 10.0kW ~ 14.0kW with 30m maximum pipe length)
- Heating operation is possible when outdoor temperature is as low as -20°C
- Compact outdoor units
- Auto restart from outdoor unit
- Twin, Triple and Double-Twin connection possible

PACi Standard: For economy and value

With high quality design and engineering, the PACi Standard is the perfect solution for projects which demand quality on a limited budget. In addition, its compact and lightweight design makes it ideal for installations with limited space including small commercial and residential applications.

The outdoor unit is much more compact than the previous model. The slim and lightweight design means the PACi outdoor unit can be installed in a number of locations.

PACi Standard. From 6.0 to 14.0kW.

- Good balance, system cost vs energy efficiency
- Top class SEER/SCOP as a Standard Inverter category SEER: A++ / SCOP: A++ at 6.0 and 7.1kW (in 90x90 Cassette)
- Interchangeable controller with ECOi
- Compact outdoor units
- Twin connection possible
- Cooling operation up to -10°C and Heating operation up to -15°C

Big PACi Elite R32

20.0 – 25.0kW is ideally suited for small, mid retail applications.

In addition to its lightweight, split-able, compact body, the newly designed Hide Away enables easy installation and pipe work within a narrow space.

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

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

New PACi NX Series. The next generation is here.

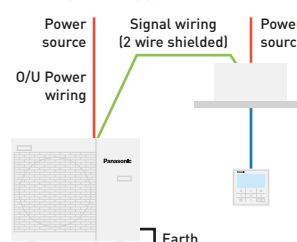
NEW
SERIES
2020



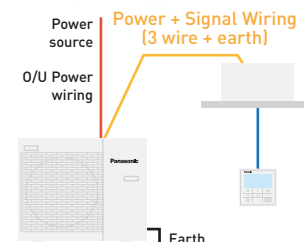
1 PACi NX Series - Standard range, for absolute ease of refurbishment

This new series has been developed with 3 wired power supply and communication. It makes it simple and easy to replace old systems with 3 wire connections, which is prevalent in many systems.

PACi PZ2/PZH2:
2 wired power supply.

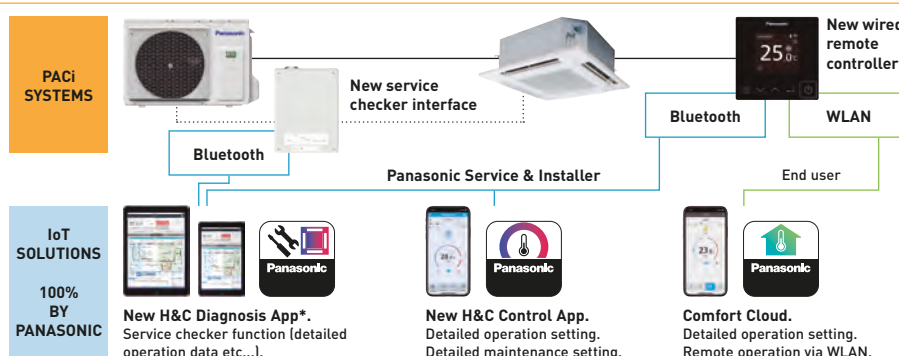


New PACi NX Series:
3 wired power supply.



2 Flexible control option with IoT integration

New wired remote controller series are fully integrated with IoT solutions developed by Panasonic. Detailed operation / maintenance setting, service operation are all possible with your smart phone or tablets.



* A service checker interface is required when this App is used from outdoor location. Wired remote controller (RTC6 or RTC6BL) is required when this App is used from indoor location. Available from Autumn 2020, compatible with new PACi NX Series.

3 Let Panasonic take care of indoor air quality

nanoe™ X inhibits a wide variety of bacteria, viruses and pollutants, and can deodorise the environment and deodorises the environment. This patented technology is equipped to provide better air quality whether residential or commercial.

Office / Restaurant: Unpleasant odour may stay in furniture, carpets and curtain which take time to be cleaned. nanoe™ X particles fill in the room and reducing odours to an unnoticeable level.

Sport gym: nanoe™ X particles help to minimise perspiration odours at the gym and inhibit mould for a comfortable environment.

Clinic / Child care center: nanoe™ X particles inhibit viruses bacteria and mould to maintain a healthy air quality.

7 effects of nanoe™ X – Panasonic unique technology.

Deodorises



Moisturises



NX Series with R32 Refrigerant has been developed to meet the demand of easy refurbishment with 3 wired power supply. Also integrated with IoT solutions, including nanoe™ X function as standard.



PACi NX Series – Standard range

The line-up provides greater flexibility to design projects, maintaining the good balance between system cost and energy efficiency.

- Maximum SEER: A++, SCOP: A++
- R32 Refrigerant
- Twin connection



New Adaptive Ducted unit

Highly flexible installation.

- 2 installation possibilities (horizontal / vertical)
- Maximum External Static pressure: 150Pa
- Selectable inlet air position (rear / side entry)
- Improved drain pan design suitable for both horizontal / vertical installation
- Drain pump included ¹⁾

High seasonal performance with slim body.

- Maximum SEER / SCOP: A++ / A+
- Slim height 250mm in response to market demand for limited ceiling space
- Light weight from 25 to 39kg

Comfort operation.

- Super quiet operation, minimum 22dBA ²⁾
- nanoe™ X for better indoor air quality

1) Drain pump operation only available in horizontal application. 2) 3.6kW model and when operating with ESP 50Pa in low fan mode.



Vertical installation is newly available. ESP 150Pa, sufficient for remotely installing units away from the rooms.

New wired remote controller - CZ-RTC6 / CZ-RTC6BL / CZ-RTC6BLW

Panasonic has developed the new wired remote controller to meet the modern control needs. The controller provides great accessibility and convenient tools in a stylish design. From residential to commercial, the wired remote controller series perfectly matches with all kinds of modern building.



Wired remote controller line-up		WLAN	Bluetooth®
CZ-RTC6	Non-wireless	—	—
CZ-RTC6BL	Bluetooth®	—	✓
CZ-RTC6BLW	WLAN & Bluetooth®	✓	✓

Intuitive control with stylish design profile.

- Simple operation at a glance
- Clean face with full flat & black LCD display
- Compact body only 86×86

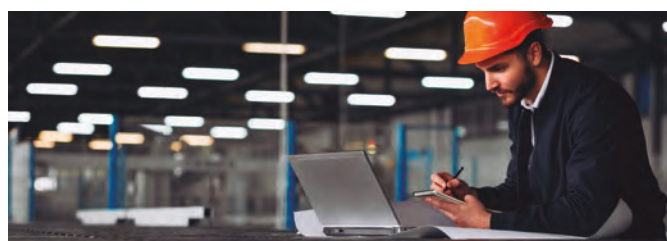
Comfort control with your smartphone for multi users.

- H&C Control App for daily remote control operation
- Comfort Cloud App for remote operation 24/7/365

Easy maintenance with service support App.

- Quick and easy App set-up for system setting
- H&C Diagnosis App enables the user to obtain detailed system operation data

New service checker interface



The new service checker interface provides easy access to service parameters and service checker data via Bluetooth®.

- A new service checker interface* for PACi NX Series
- Bluetooth® connection
- H&C Diagnosis App

* Available as a spare part, compatible with new PACi NX Series.



H&C Diagnosis App

Datanavi

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

FAST
AND
INTUITIVE

EASY
ACCESS TO
MANUAL
DATABASE

ACCURATE
SERVICE DATA
ON YOUR
SMARTPHONE



Overview of datanavi system

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



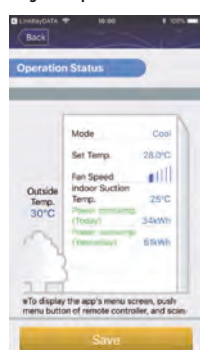
Key Functions

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

User / Administrator (person in charge of AC) functions

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

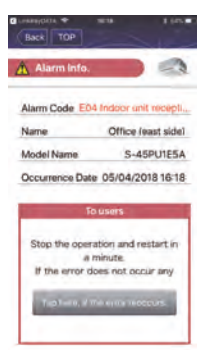
Regular operation



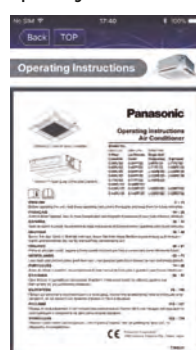
Energy management



Malfunction notice



Operating manual



Installer / Service company functions

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

Test run info



Service data



* User interface image may be updated without notification.

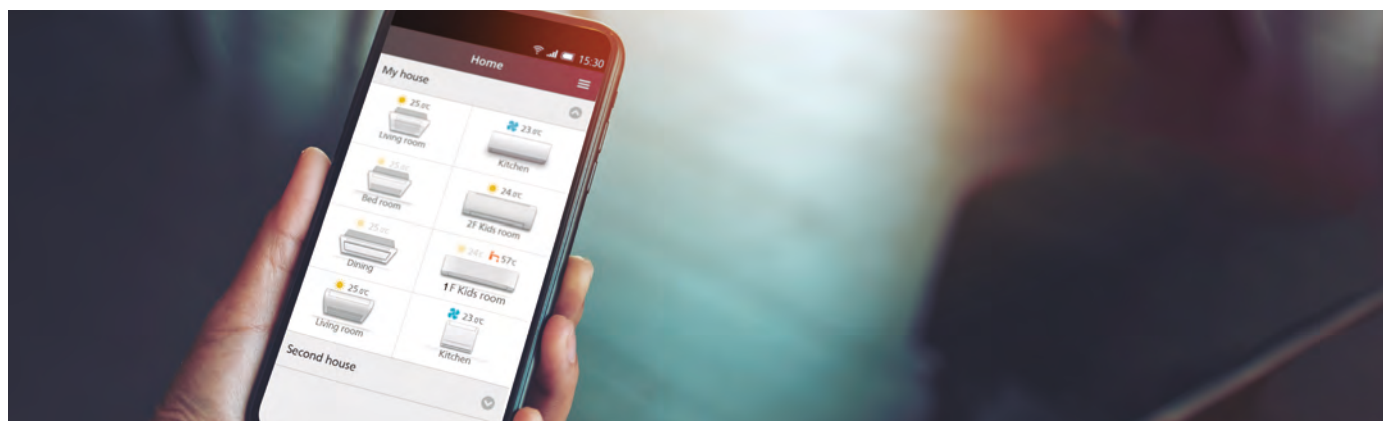
Simple F-gas regulation check list. Repair speed check list.

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



Commercial WLAN Adaptor

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



Advanced smartphone control

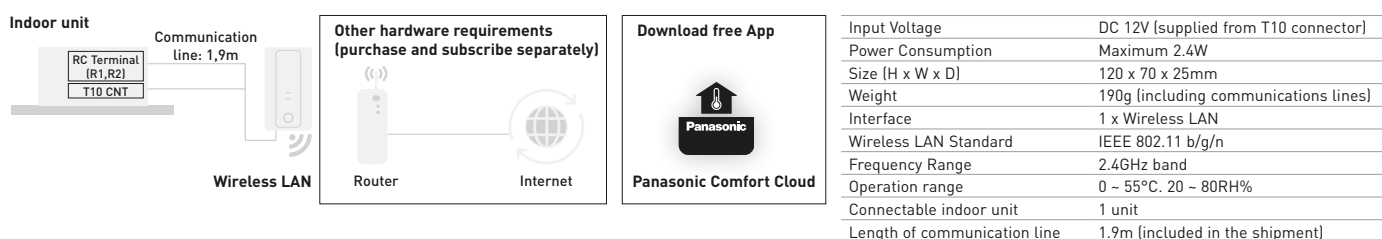
Control PACi, ECOi and ECO G units with your smartphone from wherever and whenever you are, by using Panasonic Comfort Cloud App and Commercial WLAN Adaptor. This scalable solution is ideal for one system, one site or multiple locations. Coupling the adapter with the already feature rich systems, makes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

- 1 From 1 to 200 units**
 User can control up to 10 different sites, with up to 20 units / groups per site.
- 2 1 indoor or 1 group**
 One simple WLAN adaptor CZ-CAPWFC1 can be connected to 1 indoor or to a group of indoors (maximum 8 indoors).
- 3 Multi user**
 The Panasonic Comfort Cloud App allows multi-user access control. Restrict user access to specific units.
- 4 Easy scheduling**
 Complex weekly scheduling made simple. Not only for one unit, but across multiple sites and from a smartphone.
- 5 Energy monitor**
 See the estimated power consumption and compare with other periods, to see how energy consumption can be reduced even more. Check list of units that provides consumption*.
- 6 Error codes**
 Error code notification through the App, provides early notification and allows for faster repair.

* Function available depending on the model.

Connection Diagram

Commercial WLAN Adaptor wiring length is 1.9m and connects to indoor unit thru T10 connector and R1/R2 terminal connectors.



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

Compatible indoor units type: Model code starting with "S-".
 Excludes model codes starting with "PAW-", "FY-" and S-80/125MW1E5.

Low Temperature Applications

Panasonic PACi Elite offers a high quality and efficient solution for low temperature applications



Overview

The Panasonic PACi Elite range of semi-industrial systems has been developed to lead the way in quality air conditioning for commercial environments. The Elite line is prevalent in low temperature applications, including wine cellars, server rooms and food storage areas, thanks to its ErP-approved units, and exceptional cooling capabilities.

The range boasts a wide range of features that make it the perfect solution to the needs of challenging commercial and seasonal demands. The units provide continuous cooling when outside temperatures are between -15°C and 46°C .

Solutions for cold rooms, wine cellars and special low temperature rooms

Boasting exceptional energy performance, the system ranks among the best in its class (SEER A++) and its inverter technology reduces power consumption and operating costs by 20%. This, combined with the use of R32 gas to reduce the unit CO2 emissions, ensures Panasonic PACi solutions offer market-leading efficiency.

The latest models in the series are not only built to the highest industry standards to ensure optimum efficiency, they are also lightweight, with a slim and compact design, making these units easy to install.

There is a complete range from 3.60 to 22.00kW.

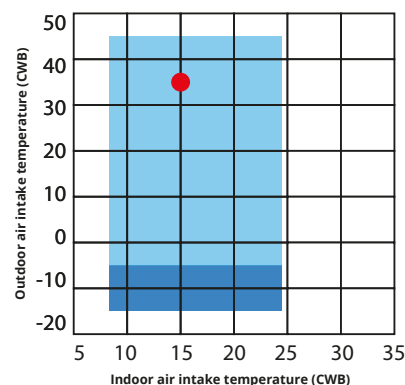
Just like all the indoor units in the PACi range, these units can be monitored via the internet, generating an alarm if there is a breakdown.

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 PACi Elite range caters special applications that require cooling to maintain rooms between 8°CWB and 24°CWB (10°CDB - 30°CDB).

The perfect solution for:

- Wine cellars
- Ice cream factories
- Flower shops
- Supermarkets
- Grain stores
- Food storage
- Food processing
- Food distribution
- Lunchrooms
- Vegetable processing

Range of temperature for wine cellar



Low Temperature Compatible Unit Configurations

In order adjust the product for low temperature applications, in terms of enthalpy, the indoor unit needs to be over-dimensioned and certain parameters need to be adjustable. Below are the compatible configurations for each of the PACi Elite range.



Wall Mounted (PK)

Kit	low temp.36	low temp.50	low temp.60	low temp.71	low temp.100	low temp.125	low temp.140	low temp. 200	low temp. 250
Indoor Unit	S-60PK2E5B	S-71PK2E5B	S-100PK2E5B	S-60PK2E5B×2	S-71PK2E5B×2	S-71PK2E5B×2	S-100PK2E5B×2	N/A	N/A
Outdoor Unit	U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5/8	U-100PZH2E5/8	U-125PZH2E5/8	U-140PZH2E5/8	N/A	N/A

Ceiling Suspended (PT)

Kit	low temp. 36	low temp. 50	low temp. 60	low temp. 71	low temp. 100	low temp.125	low temp.140	low temp.200	low temp.250
Indoor Unit	S-60PT2E5B	S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B	S-140PT2E5B	S-100PT2E5B×2	S-125PT2E5B×2	S-140PT2E5B×2
Outdoor Unit	U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5/8	U-100PZH2E5/8	U-125PZH2E5/8	U-140PZH2E5/8	U-200PZH2E8	U-250PZH2E8

4 Way 90 x 90 Cassette (PU)

Kit	low temp. 36	low temp. 50	low temp. 60	low temp. 71	low temp. 100	low temp.125	Low temp.140	low temp.200	low temp.250
Indoor Unit	S-60PU2E5B	S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B	S-140PU2E5B	S-100PU2E5B×2	S-125PU2E5B×2	S-140PU2E5B×2
Outdoor Unit	U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5/8	U-100PZH2E5/8	U-125PZH2E5/8	U-140PZH2E5/8	U-200PZH2E8	U-250PZH2E8

Low Static Pressure Hide Away (PN)

Kit	low temp.36	low temp.50	low temp.60	low temp.71	low temp.100	low temp.125	low temp.140	low temp. 200	low temp. 250
Indoor Unit	S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B	S-140PN1E5B	S-100PN1E5B×2	S-125PN1E5B×2	S-140PN1E5B×2
Outdoor Unit	S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B	S-140PN1E5B	S-100PN1E5B×2	S-125PN1E5B×2	S-140PN1E5B×2

High Static Pressure Hide Away (PF)

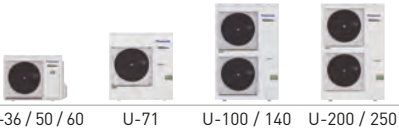
Kit	low temp. 36	low temp. 50	low temp. 60	low temp. 71	low temp. 100	low temp.125	low temp.140	low temp.200	low temp.250
Indoor Unit	S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B	S-140PF1E5B	S-100PF1E5B×2	S-125PF1E5B×2	S-140PF1E5B×2
Outdoor Unit	U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5/8	U-100PZH2E5/8	U-125PZH2E5/8	U-140PZH2E5/8	U-200PZH2E8	U-250PZH2E8

Range of Commercial units R32

Page	PACi NX Series indoor units	2.5kW	3.5 ~ 3.6kW	4.5kW	5.0kW
P. 44	NEW 4 Way 90x90 Cassette Inverter+ • R32 Refrigerant 		S-3650PU3E		S-3650PU3E
P. 46	NEW Adaptive Ducted Unit Inverter+ • R32 Refrigerant 		S-3650PF3E		S-3650PF3E

PACi NX Series outdoor units	2.5kW	3.6kW	5.0kW
NEW Standard • R32 Refrigerant 		U-36PZ3E5	U-50PZ3E5

Page	PACi indoor units	2.5kW	3.5 ~ 3.6kW	4.5kW	5.0kW
P. 48	Wall-mounted Professional Inverter -20°C • R32 Refrigerant 	KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA
P. 50	Wall-mounted Inverter+ • R32 Refrigerant 		S-36PK2E5B	S-45PK2E5B	S-50PK2E5B
P. 22	4 Way 60x60 Cassette Inverter • R32 Refrigerant 	CS-Z25UB4EAW	CS-Z35UB4EAW		CS-Z50UB4EAW
P. 54	4 Way 60x60 Cassette Inverter+ • R32 Refrigerant 		S-36PY2E5B	S-45PY2E5B ¹⁾	S-50PY2E5B
P. 56	4 Way 90x90 Cassette Inverter+ • R32 Refrigerant 		S-36PU2E5B	S-45PU2E5B	S-50PU2E5B
P. 60	Ceiling Inverter+ • R32 Refrigerant 		S-36PT2E5B	S-45PT2E5B	S-50PT2E5B
P. 23	Low Static Pressure Hide Away Inverter • R32 Refrigerant 	CS-Z25UD3EAW	CS-Z35UD3EAW		CS-Z50UD3EAW
P. 64	High Static Pressure Hide Away Inverter+ • R32 Refrigerant 		S-36PF1E5B	S-45PF1E5B	S-50PF1E5B
P. 68	Low Static Pressure Hide Away Inverter+ • R32 Refrigerant 		S-36PN1E5B	S-45PN1E5B	S-50PN1E5B
P. 72	High Static Pressure Hide Away 20-25kW Inverter+ • R32 Refrigerant 				
P. 85	Air Handling Unit Kit 3.6-25.0kW 				PAW-280PAH2(M/L)

PACi outdoor units	2.5kW	3.6kW	5.0kW
Elite • R32 Refrigerant 		U-36PZH2E5	U-50PZH2E5
Standard • R32 Refrigerant 			

1) The 4.5kW indoor unit are only available only for Twin, Triple and Double-Twin combinations. * U-__E5 Single Phase / U-__E8 Three Phase.

6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW
S-6071PU3E	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E		
S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E		
6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW
U-60PZ3E5	U-71PZ3E5	U-100PZ3E5 U-100PZ3E8	U-125PZ3E5 U-125PZ3E8	U-140PZ3E5 U-140PZ3E8		
6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW
	KIT-Z71-TKEA					
S-60PK2E5B	S-71PK2E5B	S-100PK2E5B (9,0kW)				
CS-Z60UB4EAW						
S-60PU2E5B	S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B		
S-60PT2E5B	S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B		
CS-Z60UD3EAW						
S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B		
S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B		
					S-200PE3E5B	S-250PE3E5B
PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)	PAW-280PAH2(M/L)
6.0kW	7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW
U-60PZH2E5	U-71PZH2E5 U-71PZH2E8	U-100PZH2E5 U-100PZH2E8	U-125PZH2E5 U-125PZH2E8	U-140PZH2E5 U-140PZH2E8	U-200PZH2E8	U-250PZH2E8
U-60PZ2E5	U-71PZ2E5	U-100PZ2E5 U-100PZ2E8	U-125PZ2E5 U-125PZ2E8	U-140PZ2E5 U-140PZ2E8		



NEW
SERIES
2020

CZ-RTC5B

CZ-KPU3W
Standard panel.CZ-KPU3AW
Optional Econavi
panel (CZ-RTC5B is
required).

nanoeTM X
nanoeTM X as a
standard.

NEW PACi NX Series Standard 4 Way 90x90 Cassette Inverter+ • R32 Refrigerant

			Single Phase						
			3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
Kit			KIT-36PU3Z5	KIT-50PU3Z5	KIT-60PU3Z5	KIT-71PU3Z5	KIT-100PU3Z5	KIT-125PU3Z5	KIT-140PU3Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
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 (2.6 - 7.7)	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
UK Cooling	(Total - Sensible)	kW	3.4 - 2.6	4.8 - 3.3	5.9 - 4.1	6.7 - 4.4	TBC	TBC	TBC
EER ¹⁾	Nominal (Min - Max)	W/W	4.34	3.91	3.73	3.27	3.82 (5.36 - 2.88)	3.58 (5.33 - 2.81)	3.23 (5.32 - 2.73)
SEER ²⁾			8.1 A++	8.0 A++	7.8 A++	6.8 A++	6.8 A++	6.8	6.5
Pdesign		kW	3.6	5.0	6.0	7.1	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	0.83	1.28	1.61	2.17	2.62 (0.6 - 4.0)	3.49 (0.6 - 4.8)	4.34 (0.6 - 5.5)
Annual energy consumption ³⁾		kWh/a	156	219	269	365	515	—	—
Heating capacity	Nominal (Min - Max)	kW	3.6 (1.5 - 4.6)	5.0 (1.5 - 6.4)	6.0 (1.8 - 7.0)	7.1 (2.1 - 8.1)	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
UK Heating		kW	3.9	5.6	6.2	6.9	TBC	TBC	TBC
COP ¹⁾	Nominal (Min - Max)	W/W	5.07	4.63	4.48	4.23	4.93 (3.59 - 5.36)	4.43 (3.57 - 5.50)	4.18 (3.33 - 5.48)
SCOP ²⁾			4.8 A++	4.7 A++	4.9 A++	4.6 A++	4.4 A+	4.0	3.9
Pdesign at -10°C		kW	2.8	4.0	4.6	5.2	10.0	12.5	14.0
Input power heating	Nominal (Min - Max)	kW	0.71	1.08	1.34	1.68	2.03 (0.56 - 3.90)	2.82 (0.60 - 4.20)	3.35 (0.62 - 4.80)
Annual energy consumption ³⁾		kWh/a	817	1191	1314	1583	3182	—	—
Indoor unit			S-3650PU3E	S-3650PU3E	S-6071PU3E	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E
Air volume	Hi / Med / Lo	m ³ /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
Moisture removal volume		L/h	0.7	1.6	1.7	2.5	2.7	4.8	6.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	30/28/27	32/29/27	36/31/28	37/31/28	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB	45/43/42	47/44/42	51/46/43	52/46/43	60/53/47	61/54/48	62/55/49
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight	Indoor / Panel	kg	19/5	19/5	20/5	20/5	25/5	25/5	25/5
nanoe TM X			Mark1	Mark1	Mark1	Mark1	Mark1	Mark1	Mark1
Outdoor unit			U-36PZ3E5	U-50PZ3E5	U-60PZ3E5	U-71PZ3E5	U-100PZ3E5	U-125PZ3E5	U-140PZ3E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3.85 - 3.70 - 3.55	5.95 - 5.70 - 5.45	7.45 - 7.15 - 6.85	10.00 - 9.65 - 9.25	12.10 - 11.50 - 11.10	16.30 - 15.60 - 15.00	20.40 - 19.50 - 18.70
	Heat	A	3.35 - 3.20 - 3.05	5.05 - 4.85 - 4.65	6.20 - 5.95 - 5.70	7.80 - 7.45 - 7.15	9.25 - 8.85 - 8.50	13.10 - 12.50 - 12.00	15.60 - 14.90 - 14.30
Air volume	Cool / Heat	m ³ /min	33.6/34.0	32.7/31.9	42.6/41.5	44.7/45.9	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	46/47	46/46	47/48	48/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	64/66	64/64	64/65	66/68	70/70	73/73	74/74
Dimension	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	32	35	42	50	90	94	94
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35) ⁵⁾	1/4 (6.35) ⁵⁾	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70) ⁶⁾	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Pipe length range		m	3 ~ 15	3 ~ 20	3 ~ 30	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁷⁾		m	15/15 ⁸⁾	15/15 ⁸⁾	15/15 ⁸⁾	20/20 ⁸⁾	30	30	30
Pipe length for additional gas		m	7.5	7.5	7.5	10	30	30	30
Additional gas amount		g/m	10	15	15	17	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.87/0.59	1.14/0.77	1.15/0.78	1.32/0.89	2.60/1.76	2.98/2.01	2.98/2.01
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1409	1602	1867	2118	2548	2782	3356
Indoor unit Price		£	483	483	740	740	898	898	898
Outdoor unit Price		£	646	839	847	1098	1370	1604	2178
CZ-KPU3W Panel Price		£	176	176	176	176	176	176	176
Wired Remote Controller Price		£	104	104	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC6BLW NEW Wired remote controller with WLAN & Bluetooth (available in Autumn 2020)	210
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRU3W Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151

Accessories	Price £
CZ-KPU3AW Econavi exclusive panel	220
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117



CZ-RTC6
CZ-RTC6BL
CZ-RTC6BLW
Optional Controller.
Wired remote controller.



CZ-RWS3 +
CZ-RWRU3WW
Optional Controller.
Infrared remote controller.



NEW PACi NX Series Standard 4 Way 90x90 Cassette Inverter+ • R32 Refrigerant

			Three Phase		
			10.0kW	12.5kW	14.0kW
Kit			KIT-100PU3Z8	KIT-125PU3Z8	KIT-140PU3Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 11.5]	12.5 [3.2 - 13.5]	14.0 [3.3 - 15.0]
UK Cooling	(Total - Sensible)	kW	TBC	TBC	TBC
EER ¹⁾	Nominal (Min - Max)	W/W	3.82 [5.36 - 2.88]	3.58 [5.33 - 2.81]	3.23 [5.32 - 2.73]
SEER ²⁾			6.7 A++	6.7	6.5
Pdesign		kW	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	2.62 [0.60 - 4.00]	3.49 [0.60 - 4.80]	4.34 [0.60 - 5.50]
Annual energy consumption ³⁾		kWh/a	521	—	—
Heating capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 14.0]	12.5 [3.3 - 15.0]	14.0 [3.4 - 16.0]
UK Heating		kW	TBC	TBC	TBC
COP ¹⁾	Nominal (Min - Max)	W/W	4.93 [3.59 - 5.36]	4.43 [3.57 - 5.50]	4.18 [3.33 - 5.48]
SCOP ²⁾			4.4 A+	4.0	3.9
Pdesign at -10°C		kW	10.0	12.5	14.0
Input power heating	Nominal (Min - Max)	kW	2.03 [0.56 - 3.90]	2.82 [0.60 - 4.20]	3.35 [0.62 - 4.80]
Annual energy consumption ³⁾		kWh/a	3182	—	—
Indoor unit			S-1014PU3E	S-1014PU3E	S-1014PU3E
Air volume	Hi / Med / Lo	m³/min	36.0/26.0/18.0	37.0/27.0/19.0	38.0/29.0/20.0
Moisture removal volume		L/h	2.7	4.8	6.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB	60/53/47	61/54/48	62/55/49
Dimension	Indoor (H x W x D)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight	Indoor / Panel	kg	25/5	25/5	25/5
nanoe™ X			Mark1	Mark1	Mark1
Outdoor unit			U-100PZ3E8	U-125PZ3E8	U-140PZ3E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4.10 - 3.90 - 3.75	5.45 - 5.20 - 5.00	6.80 - 6.50 - 6.25
	Heat	A	3.15 - 3.00 - 2.90	4.40 - 4.15 - 4.00	5.25 - 4.95 - 4.80
Air volume	Cool / Heat	m³/min	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	70/70	73/73	74/74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁷⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60/1.76	2.98/2.01	2.98/2.01
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	2633	2864	3380
Indoor unit Price		£	898	898	898
Outdoor unit Price		£	1455	1686	2202
Panel Price		£	176	176	176
Wired Remote Controller Price		£	104	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1.5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Connect the liquid socket tube (Ø6,35-Ø9,52) to the liquid tubing side indoor unit. 6) Connect the gas socket tube (Ø12,70-Ø15,88) to the gas tubing side indoor unit. 7) When installing the outdoor unit at a higher position than the indoor unit. 8) Outdoor unit located lower / outdoor unit located higher.

* Recommended fuse for the indoor 3A. ** Above values are in the case of nanoe™ X OFF.



SEER: For S-3650PU3E + U-36PZ3E5. SCOP: For S-3650PU3E + U-60PZ3E5. ECONAVI and INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



NEW
SERIES
2020

CZ-RTC5B

nanoeTM X
as a
standard.

NEW PACi NX Series Standard Adaptive Ducted Unit Inverter+ • R32 Refrigerant

			Single Phase						
			3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
Kit			KIT-36PF3Z5	KIT-50PF3Z5	KIT-60PF3Z5	KIT-71PF3Z5	KIT-100PF3Z5	KIT-125PF3Z5	KIT-140PF3Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.4 (1.5 - 4.0)	5.0 (1.5 - 5.3)	5.7 (2.0 - 6.3)	6.8 (2.6 - 7.7)	10.0 (3.0 - 11.5)	12.5 (3.2 - 13.5)	14.0 (3.3 - 15.0)
UK Cooling	(Total - Sensible)	kW	3.2 - 2.3	4.8 - 3.1	5.6 - 3.7	6.5 - 4.2	TBC	TBC	TBC
EER ¹⁾	Nominal (Min - Max)	W/W	3.78	2.78	3.54	3.18	3.66 (5.36 - 2.81)	3.52 (5.33 - 2.80)	3.18 (5.32 - 2.70)
SEER ²⁾			6.0A+	6.5A++	6.4A++	6.0A+	5.6A+	5.6	5.4
Pdesign		kW	3.4	5.0	5.7	6.8	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	0.9	1.8	1.61	2.14	2.73 (0.56 - 4.09)	3.55 (0.60 - 4.82)	4.40 (0.62 - 5.56)
Annual energy consumption ³⁾		kWh/a	198	267	310	391	625	787	911
Heating capacity	Nominal (Min - Max)	kW	3.4 (1.5 - 4.6)	5.0 (1.5 - 5.9)	5.7 (1.8 - 7.0)	6.8 (2.1 - 8.1)	10.0 (3.0 - 14.0)	12.5 (3.3 - 15.0)	14.0 (3.4 - 16.0)
UK Heating		kW	3.9	5.2	6.2	6.9	TBC	TBC	TBC
COP ¹⁾	Nominal (Min - Max)	W/W	4.15	3.62	4.04	4.00	4.31 (5.36 - 3.51)	4.02 (5.50 - 3.45)	3.79 (5.48 - 3.13)
SCOP ²⁾			4.0A+	4.0A+	4.4A+	4.1A+	3.8A	3.6	3.5
Pdesign at -10°C		kW	2.4	3.8	4.4	4.7	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	0.82	1.38	1.41	1.7	2.32 (0.56 - 3.99)	3.11 (0.60 - 4.35)	3.69 (0.62 - 5.12)
Annual energy consumption ³⁾		kWh/a	839	1303	1376	1591	3684	4848	5379
Indoor unit			S-3650PF3E	S-3650PF3E	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	30 (10 - 150)	30 (10 - 150)	30 (10 - 150)	30 (10 - 150)	40 (10 - 150)	50 (10 - 150)	50 (10 - 150)
Air volume	Hi / Med / Lo	m ³ /min	14.0 / 13.0 / 10.0	16.0 / 15.0 / 12.0	21.0 / 19.0 / 15.0	21.0 / 19.0 / 15.0	32.0 / 26.0 / 21.0	34.0 / 29.0 / 23.0	36.0 / 32.0 / 25.0
Moisture removal volume		L/h	0.9	1.9	1.7	2.7	3.2	4.1	4.9
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	30 / 27 / 22	34 / 30 / 25	30 / 26 / 23	30 / 26 / 23	33 / 29 / 25	35 / 31 / 27	39 / 35 / 29
Sound power	Hi / Med / Lo	dB	53 / 50 / 45	57 / 53 / 48	53 / 49 / 46	53 / 49 / 46	56 / 52 / 48	58 / 54 / 50	62 / 58 / 52
Dimension	H x W x D	mm	250 x 800 x 730	250 x 800 x 730	250 x 1000 x 730	250 x 1000 x 730	250 x 1400 x 730	250 x 1400 x 730	250 x 1400 x 730
Net weight		kg	25 / —	25 / —	30 / —	30 / —	39 / —	39 / —	39 / —
nanoe TM X			Mark2	Mark2	Mark2	Mark2	Mark2	Mark2	Mark2
Outdoor unit			U-36PZ3E5	U-50PZ3E5	U-60PZ3E5	U-71PZ3E5	U-100PZ3E5	U-125PZ3E5	U-140PZ3E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	4.15 - 4.00 - 3.85	8.35 - 8.00 - 7.65	7.45 - 7.15 - 6.85	9.95 - 9.50 - 9.10	12.10 - 11.50 - 11.10	16.30 - 15.60 - 15.00	20.40 - 19.50 - 18.70
	Heat	A	3.85 - 3.70 - 3.50	6.45 - 6.20 - 5.95	6.55 - 6.25 - 6.00	7.90 - 7.55 - 7.25	9.25 - 8.85 - 8.50	13.10 - 12.50 - 12.00	15.60 - 14.90 - 14.30
Air volume	Cool / Heat	m ³ /min	33.6 / 34.0	32.7 / 31.9	42.6 / 41.5	44.7 / 45.9	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	46 / 47	46 / 46	47 / 48	48 / 49	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	64 / 66	64 / 64	64 / 65	66 / 68	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	32	35	42	50	90	94	94
Piping connections	Liquid pipe	Inch (mm)	1/4 (Ø6.35)	1/4 (Ø6.35)	1/4 (Ø6.35) ⁶⁾	1/4 (Ø6.35) ⁶⁾	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (Ø12.7)	1/2 (Ø12.7)	1/2 (Ø12.7) ⁷⁾	5/8 (Ø15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Pipe length range		m	3 - 15	3 - 20	3 - 30	3 - 40	5 - 50	5 - 50	5 - 50
Elevation difference (in/out) ⁸⁾		m	15 / 15 ⁹⁾	15 / 15 ⁹⁾	15 / 15 ⁹⁾	20 / 20 ⁹⁾	30	30	30
Pipe length for additional gas		m	7.5	7.5	7.5	10	30	30	30
Additional gas amount		g/m	10	15	15	17	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.87 / 0.59	1.14 / 0.77	1.15 / 0.78	1.32 / 0.89	2.60 / 1.76	2.98 / 2.01	2.98 / 2.01
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price			£ 1484	£ 1677	£ 1862	£ 2113	£ 2643	£ 2877	£ 3451
Indoor unit Price			£ 734	£ 734	£ 911	£ 911	£ 1169	£ 1169	£ 1169
Outdoor unit Price			£ 646	£ 839	£ 847	£ 1098	£ 1370	£ 1604	£ 2178
Wired Remote Controller Price			£ 104	£ 104	£ 104	£ 104	£ 104	£ 104	£ 104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC6BLW NEW Wired remote controller with WLAN & Bluetooth (available in Autumn 2020)	210
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RW53 + CZ-RWRC3 Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1 Econavi energy savings sensor	128
CZ-56DAF2 Air Outlet Plenum for S-3650PF3E	120
CZ-90DAF2 Air Outlet Plenum for S-6071PF3E	180
CZ-160DAF2 Air Outlet Plenum for S-1014PF3E	240



CZ-RTC6
CZ-RTC6BL
CZ-RTC6BLW
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



NEW PACi NX Series Standard Adaptive Ducted Unit Inverter+ • R32 Refrigerant

			Three Phase		
			10.0kW	12.5kW	14.0kW
Kit			KIT-100PF3Z8	KIT-125PF3Z8	KIT-140PF3Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 11.50]	12.5 [3.2 - 13.50]	14.0 [3.3 - 15.00]
UK Cooling	(Total - Sensible)	kW	TBC	TBC	TBC
EER ¹⁾	Nominal (Min - Max)	W/W	3.66 [5.36 - 2.81]	3.52 [5.33 - 2.80]	3.18 [5.32 - 2.70]
SEER ²⁾			5.6 A+	5.5	5.4
Pdesign		kW	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	2.73 [0.56 - 4.09]	3.55 [0.60 - 4.82]	4.40 [0.62 - 5.56]
Annual energy consumption ³⁾		kWh/a	625	790	912
Heating capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 14.00]	12.5 [3.3 - 15.00]	14.0 [3.4 - 16.00]
UK Heating		kW	TBC	TBC	TBC
COP ¹⁾	Nominal (Min - Max)	W/W	4.31 [5.36 - 3.51]	4.02 [5.50 - 3.45]	3.79 [5.48 - 3.13]
SCOP ²⁾			3.8 A	3.60	3.5
Pdesign at -10°C		kW	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	2.32 [0.56 - 3.99]	3.11 [0.60 - 4.35]	3.69 [0.62 - 5.12]
Annual energy consumption ³⁾		kWh/a	3684	4848	5379
Indoor unit			S-1014PF3E	S-1014PF3E	S-1014PF3E
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	40 [10 - 150]	50 [10 - 150]	50 [10 - 150]
Air volume	Hi / Med / Lo	m³/min	32.0 / 26.0 / 21.0	34.0 / 29.0 / 23.0	36.0 / 32.0 / 25.0
Moisture removal volume		L/h	3.2	4.1	4.9
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	33 / 29 / 25	35 / 31 / 27	39 / 35 / 29
Sound power	Hi / Med / Lo	dB	56 / 52 / 48	58 / 54 / 50	62 / 58 / 52
Dimension	H x W x D	mm	250 x 1400 x 730	250 x 1400 x 730	250 x 1400 x 730
Net weight		kg	39 / —	39 / —	39 / —
nanoe™ X			Mark2	Mark2	Mark2
Outdoor unit			U-100PZ3E8	U-125PZ3E8	U-140PZ3E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4.10 - 3.90 - 3.75	5.45 - 5.20 - 5.00	6.80 - 6.50 - 6.25
	Heat	A	3.15 - 3.00 - 2.90	4.40 - 4.15 - 4.00	5.25 - 4.95 - 4.80
Air volume	Cool / Heat	m³/min	76 / 70	86 / 78	89 / 83
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52	55 / 55	56 / 56
Sound power	Cool / Heat (Hi)	dB	70 / 70	73 / 73	74 / 74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁸⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60 / 1.76	2.98 / 2.01	2.98 / 2.01
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	2728	2959	3475
Indoor unit Price		£	1169	1169	1169
Outdoor unit Price		£	1455	1686	2202
Wired Remote Controller Price		£	104	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium External static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) Connect the liquid socket tube [Ø6,35-Ø9,52] to the liquid tubing side indoor unit. 7) Connect the gas socket tube [Ø12,70-Ø15,88] to the gas tubing side indoor unit. 8) When installing the outdoor unit at a higher position than the indoor unit. 9) Outdoor unit located lower / outdoor unit located higher. * Recommended fuse for the indoor 3A. ** Above values are in the case of standard installation (horizontal installation in the ceiling, rear side air intake) and nanoe™ X OFF.



SEER: For S-3650PF3E + U-50PZ3E5. SCOP: For S-6071PF3E + U-60PZ3E5. SUPER QUIET: For S-3650PF3E + U-36PZ3E5. INTERNET CONTROL: Optional. Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.

Solutions for server rooms

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



1 Designed for 24h/7d a week operation

High efficiency all year round. This Wall-mounted air conditioner is designed for professional, critical applications such as computer rooms where reliable cooling inside the room is necessary even when the outside temperature is low.

2 High seasonal performance

Highest Energy Rating: A+++ (2,5 to 5,0kW units). Highly efficient performance - even at -20°C outside. Uses new R32 refrigerant.

3 Server room logic control

PAW-SERVER-PKEA: Group wiring of 2 TKEA systems ensures auto individual control. BMS interface: Panasonic offer different interfaces for integrate to Modbus and BACnet.

4 More comfort

Indoor Fan. Cross-Flow-Fan: High durability rolling bearings, large size (φ105mm) fan. High efficiency blade. Random pitch blade (low sound)
Compressor: DC2P Panasonic original compressor, with high efficiency and reliability.

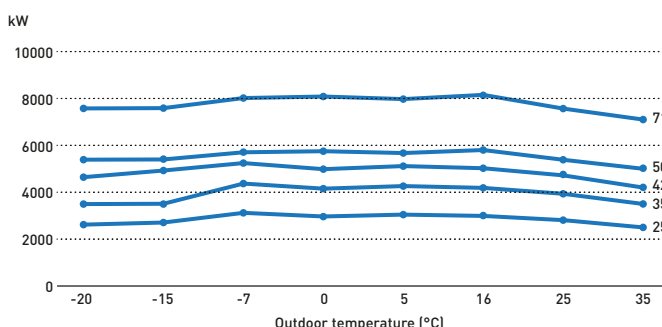
High efficiency all the year

Key points:

- From 2.5 to 7.1kW with TKEA R32 refrigerant units A+++ in cooling
- Backup function
- Redundancy function
- Alternative run function
- Error information by Dry Contact
- Operation even at -20°C outdoor temperature
- High seasonal performance
- Product design for 24/7 operation

Exceptional efficiency means exceptional savings

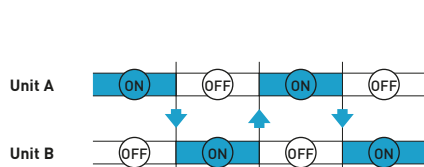
TKEA provides high capacity at -20°C!



PAW-SERVER-PKEA Logic

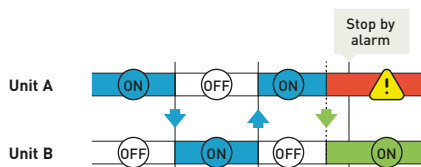
Rotation operation time line.

Every 12 hours units change operation ON/OFF to increase compressor lifecycle.



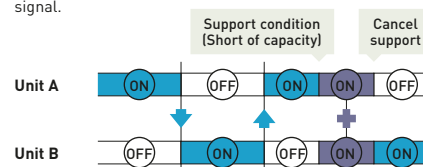
Back up operation time line.

When unit A has an error, unit B switches on automatically and gives the error output signal.



Support operation time line.

When room temperature rises to than 28°C, both units work together and automatically give an output error signal.





Wall-mounted Professional Inverter -20°C • R32 Refrigerant

KIT			KIT-Z25-TKEA	KIT-Z35-TKEA	KIT-Z42-TKEA	KIT-Z50-TKEA	KIT-Z71-TKEA
Cooling capacity	Nominal (Min - Max)	kW	2.50 [0.85 - 3.00]	3.50 [0.85 - 4.00]	4.20 [0.98 - 5.00]	5.00 [0.98 - 6.00]	7.10 [0.98 - 8.10]
UK Cooling	(Total - Sensible)	kW	2.49 - 1.90	3.48 - 2.66	4.18 - 3.19	4.66 - 4.25	6.55 - 5.20
EER ¹⁾	Nominal (Min - Max)	W/W	4.90 [5.00 - 4.29]	4.07 [5.00 - 3.64]	3.82 [4.90 - 3.25]	3.60 [3.50 - 3.09]	3.17 [2.33 - 3.03]
SEER ²⁾			8.50 A+++	8.50 A+++	8.50 A+++	8.50 A+++	6.10 A++
Pdesign		kW	2.50	3.50	4.20	5.00	7.10
Input power cooling	Nominal (Min - Max)	kW	0.51 [0.17 - 0.70]	0.86 [0.17 - 1.10]	1.10 [0.20 - 1.54]	1.39 [0.28 - 1.94]	2.24 [0.42 - 2.67]
Annual energy consumption ³⁾		kWh/a	103	144	173	206	407
Heating capacity	Nominal (Min - Max)	kW	3.40 [0.85 - 5.40]	4.00 [0.85 - 6.60]	5.40 [0.98 - 7.25]	5.80 [0.98 - 8.00]	8.60 [0.98 - 9.90]
UK Heating		kW	3.78	4.62	5.04	5.62	6.94
Heating capacity at -7°C		kW	3.33	4.07	4.30	5.00	6.13
COP ¹⁾	Nominal (Min - Max)	W/W	4.86 [5.15 - 4.12]	4.35 [5.15 - 3.63]	4.00 [4.45 - 3.37]	4.03 [2.88 - 3.20]	3.51 [2.45 - 3.47]
SCOP ²⁾			4.50 A+	4.40 A+	4.30 A+	4.40 A+	4.00 A+
Pdesign at -10°C		kW	2.80	3.60	3.80	4.40	5.50
Input power heating	Nominal (Min - Max)	kW	0.70 [0.17 - 1.31]	0.92 [0.17 - 1.82]	1.35 [0.22 - 2.15]	1.44 [0.34 - 2.50]	2.45 [0.40 - 2.85]
Annual energy consumption ³⁾		kWh/a	871	1145	1237	1400	1925
Indoor unit			CS-Z25TKEA	CS-Z35TKEA	CS-Z42TKEA	CS-Z50TKEA	CS-Z71TKEA
Power source		V	230	230	230	230	230
Recommended fuse		A	16	16	16	16	20
Connection indoor / outdoor		mm ²	4 x 1.5	4 x 1.5	4 x 1.5	4 x 2.5	4 x 2.5
Air Volume	Cool / Heat	m ³ /min	10.4 / 11.7	10.7 / 12.4	18.2 / 20.2	19.2 / 21.3	20.2 / 21.0
Moisture removal volume		L/h	1.5	2.0	2.4	2.8	4.1
Sound pressure ⁴⁾	Cool (Hi / Lo / Q-Lo)	dB(A)	39 / 25 / 21	42 / 28 / 21	43 / 32 / 29	44 / 37 / 30	47 / 38 / 35
	Heat (Hi / Lo / Q-Lo)	dB(A)	41 / 27 / 22	43 / 30 / 22	44 / 35 / 29	44 / 37 / 30	47 / 38 / 35
Dimension	H x W x D	mm	295 x 919 x 194	295 x 919 x 194	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	9	10	12	12	13
Outdoor unit			CU-Z25TKEA	CU-Z35TKEA	CU-Z42TKEA	CU-Z50TKEA	CU-Z71TKEA
Sound pressure ⁴⁾	Cool / Heat (Hi)	dB(A)	46 / 48	48 / 50	48 / 50	48 / 50	52 / 54
Dimension ⁵⁾	H x W x D	mm	619 x 824 x 299	619 x 824 x 299	619 x 824 x 299	695 x 875 x 320	695 x 875 x 320
Net weight		kg	37	38	38	43	49
Piping connections	Liquid pipe	Inch (mm)	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]
	Gas pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	1/2 [12.70]	1/2 [12.70]	5/8 [15.88]
Pipe length range		m	3 ~ 20	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in/out) ⁶⁾		m	15	15	15	15	20
Pipe length for additional gas		m	7.5	7.5	7.5	7.5	10
Additional gas amount		g/m	10	10	10	15	25
Refrigerant (R32) / CO ₂ Eq.		kg / T	0.96 / 0.648	1.00 / 0.675	1.08 / 0.729	1.15 / 0.776	1.32 / 0.891
Operating range	Cool Min ~ Max	°C	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43	-20 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	971	1114	1334	1407	1907
Indoor unit Price		£	315	347	445	476	657
Outdoor unit Price		£	656	767	889	931	1250

Accessories		Price £
CZ-TACG1*	Panasonic Comfort Cloud for internet control	97
CZ-CAPRA1*	RAC interface adapter for integration into P-Link	138
PAW-SERVER-PKEA*	PCB for installation in server rooms with security	204
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform	117

Accessories		Price £
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm	117

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

* Only one of these can be used at a time.



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



PACi Elite Wall-mounted Inverter+ • R32 Refrigerant

			Single Phase				
			3.6kW	5.0kW	6.0kW	7.1kW	9.0kW
KIT			KIT-36PK2ZH5	KIT-50PK2ZH5	KIT-60PK2ZH5	KIT-71PK2ZH5	KIT-100PK2ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.6 [1.5 ~ 4.0]	5.0 [1.5 ~ 5.6]	6.1 [2.0 ~ 7.1]	7.1 [2.2 ~ 9.0]	9.5 [3.1 ~ 10.5]
UK Cooling	(Total - Sensible)	kW	4.00 - 3.00	5.50 - 4.10	6.80 - 5.10	7.90 - 5.90	9.60 - 6.50
EER ¹⁾		W/W	4.90	4.10	3.86	3.50	3.26
SEER ²⁾			8.0 A++	7.6 A++	7.2 A++	6.8 A++	6.4 A++
Pdesign		kW	3.6	5.0	6.1	7.1	9.5
Input power cooling		kW	0.74	1.22	1.58	2.03	2.91
Annual energy consumption ³⁾		kWh/a	157	230	297	365	520
Heating capacity	Nominal (Min - Max)	kW	4.0 [1.5 ~ 5.0]	5.6 [1.5 ~ 6.5]	7.0 [1.8 ~ 8.0]	8.0 [2.0 ~ 9.0]	9.5 [3.1 ~ 11.5]
UK Heating		kW	4.60	6.30	7.80	8.10	11.50
COP ¹⁾		W/W	4.94	4.21	4.46	4.00	3.97
SCOP ²⁾			4.9 A++	4.7 A++	4.8 A++	4.7 A++	4.1 A+
Pdesign at -10°C		kW	3.6	4.5	6.0	5.2	8.0
Input power heating		kW	0.81	1.33	1.57	2.00	2.39
Annual energy consumption ³⁾		kWh/a	1029	1340	1750	1549	2732
Indoor unit			S-36PK2E5B	S-50PK2E5B	S-60PK2E5B	S-71PK2E5B	S-100PK2E5B
Air volume	Hi / Med / Lo	m³/min	13.0/11.0/9.0	16.0/14.0/11.0	20.0/18.0/15.0	20.0/17.5/14.5	22.0/18.5/15.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	35/31/27	40/36/32	47/44/40	47/44/40	49/45/41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	13	13	14	14	14
Outdoor unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5	U-100PZH2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3.55 - 3.40 - 3.25	5.70 - 5.50 - 5.25	7.70 - 7.35 - 7.05	9.55 - 9.10 - 8.75	13.50 - 12.90 - 12.40
	Heat	A	3.95 - 3.75 - 3.60	6.35 - 6.05 - 5.80	7.65 - 7.30 - 7.00	9.20 - 8.80 - 8.50	11.10 - 10.60 - 10.10
Air volume	Cool / Heat	m³/min	40/40	40/45	40/45	61/60	118/108
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48	46/49	48/50	52/52
Sound power	Cool / Heat (Hi)	dB	62/64	64/68	65/69	65/67	69/69
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99
Piping connections	Liquid pipe	Inch (mm)	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	1/2 [12.70]	1/2 [12.70]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85
Elevation difference (in/out) ⁵⁾		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.15/0.776	1.15/0.776	1.45/0.979	1.95/1.316	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-20 ⁶⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	1686	1880	2169	2240	2990
Indoor unit Price		£	620	653	673	816	862
Outdoor unit Price		£	962	1123	1392	1520	2024
Wired Remote Controller Price		£	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 Infrared remote controller	93
CZ-CAPWFC1 Commercial WLAN Adaptor	151
PAW-PACR3 Interfaces to run 3 units on Backup and alternative run	1500

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400x900x400mm	117
CZ-CENSC1 Econavi energy savings sensor	128



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



CZ-RWS3
Optional Controller.
Infrared remote
controller.



CZ-CENSC1
Optional Econavi
Sensor.



PACi Elite Wall-mounted Inverter+ • R32 Refrigerant

			Three Phase	
			7.1kW	9.0kW
KIT			KIT-71PK2ZH8	KIT-100PK2ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	7.1 (2.2 ~ 9.0)	9.5 (3.1 ~ 10.5)
UK Cooling	(Total - Sensible)	kW	7.9 - 5.9	9.6 - 6.5
EER ¹⁾		W/W	3.50	3.26
SEER ²⁾			6.7 A++	6.3 A++
Pdesign		kW	7.10	9.50
Input power cooling		kW	2.03	2.91
Annual energy consumption ³⁾		kWh/a	370	526
Heating capacity	Nominal (Min - Max)	kW	8.0 (2.0 ~ 9.0)	9.5 (3.1 ~ 11.5)
UK Heating		kW	8.4	11.5
COP ¹⁾		W/W	4.00	3.97
SCOP ²⁾			4.7 A++	4.1 A+
Pdesign at -10°C		kW	5.20	8.00
Input power heating		kW	2.00	2.39
Annual energy consumption ³⁾		kWh/a	1549	2732
Indoor unit			S-71PK2E5B	S-100PK2E5B
Air volume	Hi / Med / Lo	m³/min	20.0 / 17.5 / 14.5	22.0 / 18.5 / 15.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	47 / 44 / 40	49 / 45 / 41
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14
Outdoor unit			U-71PZH2E8	U-100PZH2E8
Power source		V	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	3.20 - 3.05 - 2.95	4.60 - 4.35 - 4.20
	Heat	A	3.10 - 3.00 - 2.85	3.75 - 3.55 - 3.45
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm)	5/8 (15.88)	5/8 (15.88)
Pipe length range		m	5 ~ 50	5 ~ 85
Elevation difference (in/out) ⁵⁾		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.95 / 1.316	3.05 / 2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-20 ⁶⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24
Kit Price		£	2486	3022
Indoor unit Price		£	816	862
Outdoor unit Price		£	1566	2056
Wired Remote Controller Price		£	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. 6) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20°C in the computer rooms with the piping length of 30m or less. * Recommended fuse for the indoor 3A.



SEER and SCOP: For KIT-36PK2ZH5. INTERNET CONTROL: Optional.

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



CZ-RTC5B

PACi Standard Wall-mounted Inverter+ • R32 Refrigerant

			Single Phase		
			6.0kW	7.1kW	9.0kW
KIT			KIT-60PK2Z5	KIT-71PK2Z5	KIT-100PK2Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	6.1 [2.0 - 7.1]	7.1 [2.0 - 7.7]	9.0 [3.0 - 9.7]
UK Cooling	(Total - Sensible)	kW	6.8 - 5.1	7.4 - 5.4	8.9 - 6.0
EER ¹⁾	Nominal (Min - Max)	W/W	3.79	3.21	3.47 [5.36 - 3.13]
SEER ²⁾			6.8 A++	6.4 A++	6.5 A++
Pdesign		kW	6.1	7.1	9.0
Input power cooling	Nominal (Min - Max)	kW	1.61	2.21	2.59 [0.56 - 3.10]
Annual energy consumption ³⁾		kWh/a	314	388	485
Heating capacity	Nominal (Min - Max)	kW	6.1 [1.8 - 7.0]	7.1 [1.8 - 8.1]	9.0 [3.0 - 10.5]
UK Heating		kW	6.8	7.9	9.8
COP ¹⁾	Nominal (Min - Max)	W/W	4.80	4.41	3.93 [5.36 - 3.56]
SCOP ²⁾			4.7 A++	4.6 A++	3.9 A
Pdesign at -10°C		kW	6.0	6.0	9.0
Input power heating	Nominal (Min - Max)	kW	1.27	1.61	2.29 [0.56 - 2.95]
Annual energy consumption ³⁾		kWh/a	1787	1826	3231
Indoor unit			S-60PK2E5B	S-71PK2E5B	S-100PK2E5B
Air volume	Hi / Med / Lo	m³/min	20.0/18.0/15.0	20.0/18.0/15.0	22.0/18.5/15.0
Moisture removal volume		L/h	2.0	3.0	4.3
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	47/44/40	47/44/40	49/45/41
Sound power	Hi / Med / Lo	dB	63/60/56	63/60/56	65/61/57
Dimension	H x W x D	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight		kg	14	14	14
Outdoor unit			U-60PZ2E5	U-71PZ2E5	U-100PZ2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	7.85 - 7.50 - 7.20	10.70 - 10.20 - 9.85	12.10 - 11.50 - 11.10
	Heat	A	6.10 - 5.85 - 5.60	7.85 - 7.50 - 7.20	10.60 - 10.20 - 9.70
Air volume	Cool / Heat	m³/min	40/45	50/45	76/70
Sound pressure	Cool / Heat (Hi)	dB(A)	46/48	49/49	52/52
Sound power	Cool / Heat (Hi)	dB	65/68	69/69	70/70
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370
Net weight		kg	44	44	90
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50
Elevation difference [in/out] ⁵⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	35	35	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.45/0.979	1.45/0.979	2.60/1.755
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price			£ 1772	£ 1935	£ 2325
Indoor unit Price			£ 673	£ 816	£ 862
Outdoor unit Price			£ 995	£ 1015	£ 1359
Wired Remote Controller Price			£ 104	£ 104	£ 104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 Infrared remote controller	93
CZ-CAPWFC1 Commercial WLAN Adaptor	151
PAW-PACR3 Interfaces to run 3 units on Backup and alternative run	1500

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1 Econavi energy savings sensor	128



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



CZ-RWS3
Optional Controller.
Infrared remote
controller.



CZ-CENSC1
Optional Econavi
Sensor.



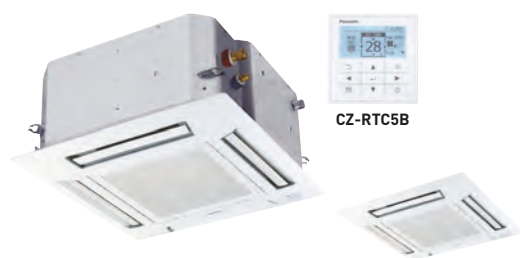
PACi Standard Wall-mounted Inverter+ • R32 Refrigerant

			Three Phase
			9.0kW
KIT			KIT-100PK2Z8
Remote controller			CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	9.0 (3.0 - 9.7)
UK Cooling	(Total - Sensible)	kW	8.9 - 6.0
EER ¹⁾	Nominal (Min - Max)	W/W	3.47 [5.36 - 3.13]
SEER ²⁾			6.5 A++
Pdesign		kW	9.0
Input power cooling	Nominal (Min - Max)	kW	2.59 [0.56 - 3.10]
Annual energy consumption ³⁾		kWh/a	485
Heating capacity	Nominal (Min - Max)	kW	9.0 (3.0 - 10.5)
UK Heating		kW	9.8
COP ¹⁾	Nominal (Min - Max)	W/W	3.93 [5.36 - 3.56]
SCOP ²⁾			3.9 A
Pdesign at -10°C		kW	9.0
Input power heating	Nominal (Min - Max)	kW	2.29 [0.56 - 2.95]
Annual energy consumption ³⁾		kWh/a	3231
Indoor unit			S-100PK2E5B
Air volume	Hi / Med / Lo	m³/min	22.0 / 18.5 / 15.0
Moisture removal volume		L/h	4.3
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	49 / 45 / 41
Sound power	Hi / Med / Lo	dB	65 / 61 / 57
Dimension	H x W x D	mm	302 x 1120 x 236
Net weight		kg	14
Outdoor unit			U-100PZ2E8
Power source		V	380 - 400 - 415
Current	Cool	A	4.10 - 3.90 - 3.75
	Heat	A	3.60 - 3.45 - 3.30
Air volume	Cool / Heat	m³/min	76 / 70
Sound pressure	Cool / Heat (Hi)	dB(A)	52 / 52
Sound power	Cool / Heat (Hi)	dB	70 / 70
Dimension	H x W x D	mm	996 x 980 x 370
Net weight		kg	90
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]
Pipe length range		m	5 ~ 50
Elevation difference (in/out) ⁵⁾		m	30
Pipe length for additional gas		m	30
Additional gas amount		g/m	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60 / 1.755
Operating range	Cool Min ~ Max	°C	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24
Kit Price			£ 2408
Indoor unit Price			£ 862
Outdoor unit Price			£ 1442
Wired Remote Controller Price			£ 104

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



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



CZ-RTC5B

CZ-KPY3AW
Panel 700 x 700mm.

CZ-KPY3BW
Panel 625 x 625mm.



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



CZ-RWS3
Optional Controller.
Infrared remote controller.



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

			Single Phase	
			3.6kW	5.0kW
KIT			KIT-36PY2ZH5	KIT-50PY2ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.6 (1.5 - 4.0)	5.0 (1.5 - 5.6)
UK Cooling	(Total - Sensible)	kW	4.0 - 2.9	5.5 - 3.8
EER ¹⁾		W/W	4.68	3.68
SEER ²⁾			6.6 A++	6.4 A++
Pdesign		kW	3.6	5.0
Input power cooling		kW	0.77	1.36
Annual energy consumption ³⁾		kWh/a	191	273
Heating capacity	Nominal (Min - Max)	kW	4.0 (1.5 - 5.0)	5.6 (1.5 - 6.5)
UK Heating		kW	4.60	6.30
COP ¹⁾		W/W	4.26	3.46
SCOP ²⁾			4.6 A++	4.3 A+
Pdesign at -10°C		kW	3.6	4.5
Input power heating		kW	0.94	1.62
Annual energy consumption ³⁾		kWh/a	1096	1465
Indoor unit			S-36PY2E5B	S-50PY2E5B
Air volume	Hi / Med / Lo	m ³ /min	9.7/8.0/6.0	11.1/9.8/8.5
Moisture removal volume		L/h	1.5	2.4
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	36/32/26	40/37/33
Sound power	Hi / Med / Lo	dB	51/47/41	55/52/48
Dimension (HxWxD) / Net weight	Indoor	mm / kg	288 x 583 x 583 / 18	288 x 583 x 583 / 18
	CZ-KPY3AW Panel	mm / kg	31 x 700 x 700 / 2.4	31 x 700 x 700 / 2.4
	CZ-KPY3BW Panel	mm / kg	31 x 625 x 625 / 2.4	31 x 625 x 625 / 2.4
Outdoor unit			U-36PZH2E5	U-50PZH2E5
Power source		V	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3.65 - 3.50 - 3.35	6.35 - 6.10 - 5.85
	Heat	A	4.50 - 4.30 - 4.15	7.70 - 8.40 - 8.10
Air volume	Cool / Heat	m ³ /min	40/40	40/45
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48
Sound power	Cool / Heat (Hi)	dB	62/64	64/68
Dimension / Net weight	HxWxD	mm / kg	695 x 875 x 320 / 43	695 x 875 x 320 / 43
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)
Pipe length range		m	3 ~ 40	3 ~ 40
Elevation difference (in/out) ⁵⁾		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	20	20
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.15 / 0.776	1.15 / 0.776
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24
Kit Price		£	1858	2082
Indoor unit Price		£	591	654
Outdoor unit Price		£	962	1123
Panel Price		£	201	201
Wired Remote Controller Price		£	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 Infrared remote controller	93
CZ-CAPWFC1 Commercial WLAN Adaptor	151

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1 Econavi energy savings sensor	128



SEER and SCOP: For KIT-36PY2ZH5. INTERNET CONTROL: Optional.

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

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

			3.6kW	4.5kW	5.0kW
Indoor unit			S-36PY2E5B	S-45PY2E5B ¹⁾	S-50PY2E5B
Cooling capacity	kW		3.6	4.5	5.0
Heating capacity	kW		4.0	5.2	5.6
Current	Cool	A	0.30	0.32	0.35
	Heat	A	0.30	0.30	0.35
Input power	Cool	kW	0.04	0.04	0.05
	Heat	kW	0.04	0.04	0.04
Air volume	Cool (Hi / Med / Lo)	m³/min	9.7/8.0/6.0	10.0/8.8/7.0	11.1/9.8/8.5
	Heat (Hi / Med / Lo)	m³/min	9.9/8.2/6.0	10.3/9.2/7.0	11.1/9.8/8.7
Moisture removal volume		L/h	1.5	2.2	2.4
Sound pressure ⁴⁾	Cool (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
	Heat (Hi / Med / Lo)	dB(A)	36/32/26	38/34/28	40/37/33
Sound power	Cool (Hi / Med / Lo)	dB	51/47/41	53/49/43	55/52/48
	Heat (Hi / Med / Lo)	dB	51/47/41	53/49/43	55/52/48
Dimension (H x W x D)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel CZ-KPY3AW	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel CZ-KPY3BW	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Net weight	Indoor	kg	18	18	18
	Panel	kg	2.4	2.4	2.4
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)
Operating range	Cool Min ~ Max	°C	+18 ~ +32	+18 ~ +32	+18 ~ +32
	Heat Min ~ Max	°C	+16 ~ +30	+16 ~ +30	+16 ~ +30
Indoor unit Price	£		591	621	654

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



1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1.5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.



CZ-RTC5B

CZ-KPU3W
Standard panel.CZ-KPU3AW
Optional Econavi
panel (CZ-RTC5B is
required).

CZ-CNEXU1
Optional nanoe™ X
Generator Mark 1 kit
(CZ-RTC5B is
required).

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

			Single Phase						
			3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-36PU2ZH5	KIT-50PU2ZH5	KIT-60PU2ZH5	KIT-71PU2ZH5	KIT-100PU2ZH5	KIT-125PU2ZH5	KIT-140PU2ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.6(1.5 - 4.0)	5.0(1.5 - 5.6)	6.0(2.0 - 7.1)	7.1(2.2 - 9.0)	10.0(3.1 - 12.5)	12.5(3.2 - 14.0)	14.0(3.3 - 16.0)
UK Cooling	(Total - Sensible)	kW	4.0 - 3.5	5.5 - 4.4	6.8 - 5.4	7.9 - 6.1	11.4 - 9.2	12.7 - 9.9	14.1 - 10.7
EER ¹⁾		W/W	5.22	4.31	4.05	4.06	4.41	3.80	3.41
SEER ²⁾			8.5A+++	8.2A++	8.0A++	7.7A++	7.8A++	7.7	7.2
Pdesign		kW	3.6	5.0	6.0	7.1	10.0	12.5	14.0
Input power cooling		kW	0.69	1.16	1.48	1.75	2.27	3.29	4.11
Annual energy consumption ³⁾		kWh/a	148	213	262	323	449	—	—
Heating capacity	Nominal (Min - Max)	kW	4.0(1.5 - 5.0)	5.6(1.5 - 6.5)	7.0(1.8 - 8.0)	8.0(2.0 - 9.0)	11.2(3.1 - 14.0)	14.0(3.2 - 16.0)	16.0(3.3 - 18.0)
UK Heating		kW	4.6	6.3	7.8	8.1	14.0	15.9	17.8
COP ¹⁾		W/W	5.48	4.71	4.29	4.30	5.00	4.61	4.30
SCOP ²⁾			5.1A+++	4.9A++	4.8A++	4.8A++	4.9A++	4.7	4.6
Pdesign at -10°C		kW	3.6	4.5	6.0	5.2	8.0	9.5	10.6
Input power heating		kW	0.73	1.19	1.63	1.86	2.24	3.04	3.72
Annual energy consumption ³⁾		kWh/a	988	1286	1750	1517	2286	—	—
Indoor unit			S-36PU2E5B	S-50PU2E5B	S-60PU2E5B	S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Air volume	Hi / Med / Lo	m³/min	14.5/13.0/11.5	16.5/13.5/11.5	21.0/16.0/13.0	22.0/16.0/13.0	36.0/26.0/18.0	37.0/27.0/19.0	38.0/29.0/20.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	30/28/27	32/29/27	36/31/28	37/31/28	45/38/32	46/39/33	47/40/34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight	Indoor / Panel	kg	19/5	19/5	20/5	20/5	25/5	25/5	25/5
Outdoor unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5	U-100PZH2E5	U-125PZH2E5	U-140PZH2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3.35 - 3.20 - 3.05	5.45 - 5.25 - 5.00	7.30 - 6.95 - 6.70	8.25 - 7.90 - 7.55	10.40 - 9.95 - 9.50	15.20 - 14.50 - 13.90	19.10 - 18.20 - 17.50
	Heat	A	3.55 - 3.40 - 3.25	5.70 - 5.45 - 5.20	8.05 - 7.70 - 7.40	8.60 - 8.25 - 8.00	10.20 - 9.80 - 9.40	14.00 - 13.40 - 12.80	17.20 - 16.50 - 15.80
Air volume	Cool / Heat	m³/min	40/40	40/45	40/45	61/60	118/108	125/122	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48	46/49	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	62/64	64/68	65/69	65/67	69/69	70/70	71/71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
	Gas pipe	Inch (mm)	1/2(12.70)	1/2(12.70)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) ⁵⁾		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.15/0.776	1.15/0.776	1.45/0.979	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	1719	1884	2263	2601	3174	3410	3788
Indoor unit Price		£	477	481	591	801	870	937	948
Outdoor unit Price		£	962	1123	1392	1520	2024	2193	2560
CZ-KPU3W Panel Price		£	176	176	176	176	176	176	176
Wired Remote Controller Price		£	104	104	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRU3W Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151
CZ-KPU3AW Econavi exclusive panel	220
CZ-CNEXU1 nanoe™ X device	125

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CNESC1 Econavi energy savings sensor	128



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



CZ-RWS3 +
CZ-RWRU3W
Optional Controller.
Infrared remote controller.



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

			Three Phase			
			7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-71PU2ZH8	KIT-100PU2ZH8	KIT-125PU2ZH8	KIT-140PU2ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	7.1 [2.2 ~ 9.0]	10.0 [3.1 ~ 12.5]	12.5 [3.2 ~ 14.0]	14.0 [3.3 ~ 16.0]
UK Cooling	(Total - Sensible)	kW	7.9 - 6.1	11.4 - 9.2	12.7 - 9.9	14.1 - 10.7
EER ¹⁾		W/W	4.06	4.41	3.80	3.41
SEER ²⁾			7.6 A++	7.7 A++	7.6	7.2
Pdesign		kW	7.1	10.0	12.5	14.0
Input power cooling		kW	1.75	2.27	3.29	4.11
Annual energy consumption ³⁾		kWh/a	327	455	—	—
Heating capacity	Nominal (Min - Max)	kW	8.0 [2.0 ~ 9.0]	11.2 [3.1 ~ 14.0]	14.0 [3.2 ~ 16.0]	16.0 [3.3 ~ 18.0]
UK Heating		kW	8.1	14.0	15.9	17.8
COP ¹⁾		W/W	4.30	5.00	4.61	4.30
SCOP ²⁾			4.8 A++	4.9 A++	4.7	4.6
Pdesign at -10°C		kW	5.2	8.0	9.5	10.6
Input power heating		kW	1.86	2.24	3.04	3.72
Annual energy consumption ³⁾		kWh/a	1517	2286	—	—
Indoor unit			S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Air volume	Hi / Med / Lo	m³/min	22.0/16.0/13.0	36.0/26.0/18.0	37.0/27.0/19.0	38.0/29.0/20.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	37/31/28	45/38/32	46/39/33	47/40/34
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight	Indoor / Panel	kg	20/5	25/5	25/5	25/5
Outdoor unit			U-71PZH2E8	U-100PZH2E8	U-125PZH2E8	U-140PZH2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	2.75 - 2.65 - 2.55	3.50 - 3.35 - 3.20	5.15 - 4.90 - 4.70	6.45 - 6.15 - 5.90
	Heat	A	2.90 - 2.80 - 2.70	3.45 - 3.30 - 3.15	4.75 - 4.50 - 4.35	5.85 - 5.55 - 5.35
Air volume	Cool / Heat	m³/min	61/60	118/108	125/112	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	65/67	69/69	70/70	71/71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) ⁵⁾		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	2647	3206	3509	4062
Indoor unit Price		£	801	870	937	948
Outdoor unit Price		£	1566	2056	2292	2834
CZ-KPU3W Panel Price		£	176	176	176	176
Wired Remote Controller Price		£	104	104	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1,5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. 6) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20°C in the computer rooms with the piping length of 30m or less. * Recommended fuse for the indoor 3A.



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



CZ-RTC5B

CZ-KPU3W
Standard panel.CZ-KPU3AW
Optional Econavi
panel (CZ-RTC5B is
required).

CZ-CNEXU1
Optional nanoe™ X
Generator Mark 1 kit
(CZ-RTC5B is
required).

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

			Single Phase				
			6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-60PU2Z5	KIT-71PU2Z5	KIT-100PU2Z5	KIT-125PU2Z5	KIT-140PU2Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	6.0 [2.0 - 7.1]	7.1 [2.0 - 7.7]	10.0 [3.0 - 11.5]	12.5 [3.2 - 13.5]	14.0 [3.3 - 15.0]
UK Cooling	(Total - Sensible)	kW	6.7 - 4.6	7.5 - 5.0	10.7 - 7.6	12.6 - 8.4	13.9 - 9.2
EER ¹⁾	Nominal (Min - Max)	W/W	4.00	3.50	3.82 [5.36 - 2.88]	3.58 [5.33 - 2.81]	3.23 [5.32 - 2.73]
SEER ²⁾			7.6 A++	7.6 A++	6.8 A++	6.8	6.5
Pdesign		kW	6.0	7.1	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	1.50	2.03	2.62 [0.56 - 4.00]	3.49 [0.60 - 4.80]	4.34 [0.62 - 5.50]
Annual energy consumption ³⁾		kWh/a	276	327	515	—	—
Heating capacity	Nominal (Min - Max)	kW	6.0 [1.8 - 7.0]	7.1 [1.8 - 8.1]	10.0 [3.0 - 14.0]	12.5 [3.3 - 15.0]	14.0 [3.4 - 16.0]
UK Heating		kW	5.7	6.1	11.0	13.6	13.7
COP ¹⁾	Nominal (Min - Max)	W/W	4.72	4.36	4.93 [3.59 - 5.36]	4.43 [3.57 - 5.50]	4.18 [3.33 - 5.48]
SCOP ²⁾			4.7 A++	4.7 A++	4.4 A+	4.0	3.9
Pdesign at -10°C		kW	6.0	6.0	10.0	12.5	14.0
Input power heating	Nominal (Min - Max)	kW	1.27	1.63	2.03 [0.56 - 3.90]	2.82 [0.60 - 4.20]	3.35 [0.62 - 4.80]
Annual energy consumption ³⁾		kWh/a	1787	1787	3182	—	—
Indoor unit			S-60PU2E5B	S-71PU2E5B	S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Air volume	Hi / Med / Lo	m³/min	21.0/16.0/13.0	22.0/16.0/13.0	36.0/26.0/18.0	37.0/27.0/19.0	38.0/29.0/20.0
Moisture removal volume		L/h	1.7	2.5	2.7	4.8	6.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	36/31/28	37/31/28	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB	51/46/43	52/46/43	60/53/47	61/54/48	62/55/49
Dimension	Indoor (H x W x D)	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight	Indoor / Panel	kg	20/5	20/5	25/5	25/5	25/5
Outdoor unit			U-60PZ2E5	U-71PZ2E5	U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	7.40 - 7.05 - 6.75	9.95 - 9.50 - 9.10	12.10 - 11.50 - 11.10	16.30 - 15.60 - 15.00	20.40 - 19.50 - 18.70
	Heat	A	6.25 - 5.95 - 5.70	8.05 - 7.70 - 7.35	9.25 - 8.85 - 8.50	13.10 - 12.60 - 12.00	15.60 - 15.00 - 14.30
Air volume	Cool / Heat	m³/min	40/45	50/45	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	46/48	49/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	65/68	69/69	70/70	73/73	74/74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁵⁾		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.45/0.979	1.45/0.979	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1866	2096	2509	2741	3282
Indoor unit Price		£	591	801	870	937	948
Outdoor unit Price		£	995	1015	1359	1524	2054
CZ-KPU3W Panel Price		£	176	176	176	176	176
Wired Remote Controller Price		£	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRU3W Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151
CZ-KPU3AW Econavi exclusive panel	220
CZ-CNEXU1 nanoe™ X device	125

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENS1 Econavi energy savings sensor	128



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



CZ-RWS3 +
CZ-RWRU3W
Optional Controller.
Infrared remote controller.



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

			Three Phase		
			10.0kW	12.5kW	14.0kW
KIT			KIT-100PU2Z8	KIT-125PU2Z8	KIT-140PU2Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 11.5]	12.5 [3.2 - 13.5]	14.0 [3.3 - 15.0]
UK Cooling	(Total - Sensible)	kW	10.7 - 7.6	12.6 - 8.4	13.9 - 9.2
EER ¹⁾	Nominal (Min - Max)	W/W	3.82 [5.36 - 2.88]	3.58 [5.33 - 2.81]	3.23 [5.32 - 2.73]
SEER ²⁾			6.7 A++	6.7	6.5
Pdesign		kW	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	2.62 [0.56 - 4.00]	3.49 [0.60 - 4.80]	4.34 [0.62 - 5.50]
Annual energy consumption ³⁾		kWh/a	521	—	—
Heating capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 14.0]	12.5 [3.3 - 15.0]	14.0 [3.4 - 16.0]
UK Heating		kW	11.0	13.6	13.7
COP ¹⁾	Nominal (Min - Max)	W/W	4.93 [3.59 - 5.36]	4.43 [3.57 - 5.50]	4.18 [3.33 - 5.48]
SCOP ²⁾			4.4 A+	4.0	3.9
Pdesign at -10°C		kW	10.0	12.5	14.0
Input power heating	Nominal (Min - Max)	kW	2.03 [0.56 - 3.90]	2.82 [0.60 - 4.20]	3.35 [0.62 - 4.80]
Annual energy consumption ³⁾		kWh/a	3182	—	—
Indoor unit			S-100PU2E5B	S-125PU2E5B	S-140PU2E5B
Air volume	Hi / Med / Lo	m³/min	36.0/26.0/18.0	37.0/27.0/19.0	38.0/29.0/20.0
Moisture removal volume		L/h	2.7	4.8	6.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	45/38/32	46/39/33	47/40/34
Sound power	Hi / Med / Lo	dB	60/53/47	61/54/48	62/55/49
Dimension	Indoor (H x W x D)	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel (H x W x D)	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight	Indoor / Panel	kg	25/5	25/5	25/5
Outdoor unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4.10 - 3.90 - 3.75	5.45 - 5.20 - 5.00	6.85 - 6.50 - 6.25
	Heat	A	3.15 - 3.00 - 2.90	4.40 - 4.15 - 4.00	5.25 - 4.95 - 4.80
Air volume	Cool / Heat	m³/min	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	70/70	73/73	74/74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	5 - 50	5 - 50	5 - 50
Elevation difference (in/out) ⁵⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	2592	2821	3306
Indoor unit Price		£	870	937	948
Outdoor unit Price		£	1442	1604	2078
CZ-KPU3W Panel Price		£	176	176	176
Wired Remote Controller Price		£	104	104	104

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



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



CZ-RTC5B

PACi Elite Ceiling Inverter+ • R32 Refrigerant

			Single Phase						
			3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-36PT2ZH5	KIT-50PT2ZH5	KIT-60PT2ZH5	KIT-71PT2ZH5	KIT-100PT2ZH5	KIT-125PT2ZH5	KIT-140PT2ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.6(1.5 - 4.0)	5.0(1.5 - 5.6)	6.0(2.0 - 7.1)	7.1(2.2 - 9.0)	10.0(3.1 - 12.5)	12.5(3.2 - 14.0)	14.0(3.3 - 16.0)
UK Cooling	(Total - Sensible)	kW	3.7 - 2.7	5.1 - 3.5	6.7 - 4.4	8.1 - 5.2	11.4 - TBC	12.8 - 8.2	14.6 - 9.1
EER ¹⁾		W/W	5.07	4.17	4.08	3.78	4.05	3.45	3.10
SEER ²⁾			7.2A++	7.0A++	7.2A++	6.7A++	7.0A++	6.6	6.2
Pdesign		kW	3.6	5.0	6.0	7.1	10.0	12.5	14.0
Input power cooling		kW	0.71	1.20	1.47	1.88	2.47	3.62	4.52
Annual energy consumption ³⁾		kWh/a	175	250	292	371	500	—	—
Heating capacity	Nominal (Min - Max)	kW	4.0(1.5 - 5.0)	5.6(1.5 - 6.5)	7.0(1.8 - 8.0)	8.0(2.0 - 9.0)	11.2(3.1 - 14.0)	14.0(3.2 - 16.0)	16.0(3.3 - 18.0)
UK Heating		kW	4.1	5.3	6.1	8.1	12.5	14.4	16.2
COP ¹⁾		W/W	5.19	4.34	4.43	4.15	4.31	3.99	3.67
SCOP ²⁾			4.8A++	4.6A++	4.7A++	4.6A++	4.6A++	4.4	4.3
Pdesign at -10°C		kW	3.6	4.5	6.0	5.2	8.0	9.5	10.6
Input power heating		kW	0.77	1.29	1.58	1.93	2.60	3.51	4.36
Annual energy consumption ³⁾		kWh/a	1050	1370	1787	1583	2435	—	—
Indoor unit			S-36PT2E5B	S-50PT2E5B	S-60PT2E5B	S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Air volume	Hi / Med / Lo	m ³ /min	14.0/12.0/10.5	15.0/12.5/10.5	20.0/17.0/14.5	21.0/18.0/15.5	30.0/25.0/23.0	34.0/28.0/24.0	35.0/29.0/25.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	36/32/29	37/33/29	38/34/30	39/35/31	42/37/35	46/40/36	47/41/37
Dimension	H x W x D	mm	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	27	27	33	33	40	40	40
Outdoor unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5	U-100PZH2E5	U-125PZH2E5	U-140PZH2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3.35 - 3.25 - 3.10	5.60 - 5.35 - 5.10	7.15 - 6.85 - 6.55	8.80 - 8.45 - 8.10	11.40 - 10.90 - 10.50	16.80 - 16.00 - 15.40	21.00 - 20.10 - 19.30
	Heat	A	3.65 - 3.50 - 3.35	6.10 - 5.85 - 5.60	7.75 - 7.40 - 7.10	8.90 - 8.50 - 8.20	12.00 - 11.50 - 11.00	16.20 - 15.50 - 14.90	20.30 - 19.40 - 18.60
Air volume	Cool / Heat	m ³ /min	40/40	40/45	40/45	61/60	118/108	125/122	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48	46/49	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	62/64	64/68	65/69	65/67	69/69	70/70	71/71
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
	Gas pipe	Inch (mm)	1/2(12.70)	1/2(12.70)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)
Pipe length range		m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) ⁵⁾		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.15/0.776	1.15/0.776	1.45/0.979	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	1778	2014	2355	2543	3288	3657	4142
Indoor unit Price		£	712	787	859	919	1160	1360	1478
Outdoor unit Price		£	962	1123	1392	1520	2024	2193	2560
Wired Remote Controller Price		£	104	104	104	104	104	104	104

Accessories		Price £
CZ-RTC6	NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL	NEW Wired remote controller with Bluetooth	149
CZ-RTC5B	Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRT3	Infrared remote controller	93 + 145
CZ-CAPWFC1	Commercial WLAN Adaptor	151

Accessories		Price £
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40	Outdoor elevation platform 400x900x400mm	117
CZ-CENSC1	Econavi energy savings sensor	128



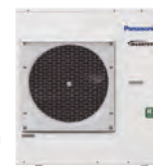
CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



PACi Elite Ceiling Inverter+ • R32 Refrigerant

			Three Phase			
			7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-71PT2ZH8	KIT-100PT2ZH8	KIT-125PT2ZH8	KIT-140PT2ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	7.1 [2.2 - 9.0]	10.0 [3.1 - 12.5]	12.5 [3.2 - 14.0]	14.0 [3.3 - 16.0]
UK Cooling	(Total - Sensible)	kW	8.1 - 5.2	11.4 - TBC	12.8 - 8.6	14.6 - 9.1
EER ¹⁾		W/W	3.78	4.05	3.45	3.10
SEER ²⁾			6.6 A++	6.9 A++	6.6	6.2
Pdesign		kW	7.1	10.0	12.5	14.0
Input power cooling		kW	1.88	2.47	3.62	4.52
Annual energy consumption ³⁾		kWh/a	375	507	—	—
Heating capacity	Nominal (Min - Max)	kW	8.0 [2.0 - 9.0]	11.2 [3.1 - 14.0]	14.0 [3.2 - 16.0]	16.0 [3.3 - 18.0]
UK Heating		kW	8.1	12.5	14.4	16.2
COP ¹⁾		W/W	4.15	4.31	3.99	3.67
SCOP ²⁾			4.6 A++	4.6 A++	4.4	4.3
Pdesign at -10°C		kW	5.2	8.0	9.5	10.6
Input power heating		kW	1.93	2.60	3.51	4.36
Annual energy consumption ³⁾		kWh/a	1583	2435	—	—
Indoor unit			S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Air volume	Hi / Med / Lo	m³/min	21.0/18.0/15.5	30.0/25.0/23.0	34.0/28.0/24.0	35.0/29.0/25.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	39/35/31	42/37/35	46/40/36	47/41/37
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	40	40	40
Outdoor unit			U-71PZH2E8	U-100PZH2E8	U-125PZH2E8	U-140PZH2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	2.95 - 2.85 - 2.75	3.85 - 3.65 - 3.55	5.65 - 5.40 - 5.20	7.10 - 6.75 - 6.50
	Heat	A	3.00 - 2.90 - 2.80	4.05 - 3.85 - 3.75	5.50 - 5.20 - 5.05	6.85 - 6.50 - 6.30
Air volume	Cool / Heat	m³/min	61/60	118/108	125/112	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	65/67	69/69	70/70	71/71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	5 - 50	5 - 85	5 - 85	5 - 85
Elevation difference (in/out) ⁵⁾		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46	-20 ⁶⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	2589	3320	3756	4416
Indoor unit Price		£	919	1160	1360	1478
Outdoor unit Price		£	1566	2056	2292	2834
Wired Remote Controller Price		£	104	104	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) The sound pressure of the units shows the value measured of the position 1m in front of the main body and 1m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) When installing the outdoor unit at a higher position than the indoor unit. 6) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20°C in the computer rooms with the piping length of 30m or less. * Recommended fuse for the indoor 3A.



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



CZ-RTC5B

PACi Standard Ceiling Inverter+ • R32 Refrigerant

			Single Phase				
			6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-60PT2Z5	KIT-71PT2Z5	KIT-100PT2Z5	KIT-125PT2Z5	KIT-140PT2Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	6.0 [2.0 - 7.1]	7.1 [2.0 - 7.7]	10.0 [3.0 - 11.5]	12.5 [3.2 - 13.5]	14.0 [3.3 - 15.0]
UK Cooling	(Total - Sensible)	kW	6.7 - 4.4	7.5 - 5.0	10.7 - 7.1	12.6 - 8.2	13.9 - 8.9
EER ¹⁾	Nominal (Min - Max)	W/W	4.00	3.55	3.64 [5.36 - 2.80]	3.32 [5.33 - 2.77]	2.98 [5.32 - 2.73]
SEER ²⁾			6.8 A++	6.5 A++	6.5 A++	5.8	5.5
Pdesign		kW	6.0	7.1	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	1.50	2.00	2.75 [0.56 - 4.10]	3.76 [0.60 - 4.88]	4.70 [0.62 - 5.50]
Annual energy consumption ³⁾		kWh/a	309	382	535	1300	1530
Heating capacity	Nominal (Min - Max)	kW	6.0 [1.8 - 7.0]	7.1 [1.8 - 8.1]	10.0 [3.0 - 14.0]	12.5 [3.3 - 15.0]	14.0 [3.4 - 16.0]
UK Heating		kW	6.8	7.9			
COP ¹⁾	Nominal (Min - Max)	W/W	4.80	4.41	4.24 [5.36 - 3.50]	3.89 [4.52 - 3.41]	3.70 [5.48 - 3.08]
SCOP ²⁾			4.6 A++	4.3 A+	4.2 A+	3.8	3.7
Pdesign at -10°C		kW	6.0	6.0	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	1.25	1.62	2.36 [0.56 - 4.00]	3.21 [0.73 - 4.40]	3.78 [0.62 - 5.20]
Annual energy consumption ³⁾		kWh/a	1826	1953	3324	4669	5153
Indoor unit			S-60PT2E5B	S-71PT2E5B	S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Air volume	Hi / Med / Lo	m³/min	20.0/17.0/14.5	21.0/18.0/15.5	30/25/23	34/28/24	35/29/25
Moisture removal volume		L/h	3.4	4.2	6.0	7.9	9.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	38/34/30	39/35/31	42/37/35	46/40/36	47/41/37
Sound power	Hi / Med / Lo	dB	56/52/48	57/53/49	60/55/53	64/58/54	65/59/55
Dimension	H x W x D	mm	235 x 1275 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	33	33	40	40	40
Outdoor unit			U-60PZ2E5	U-71PZ2E5	U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	7.30 - 7.00 - 6.70	9.70 - 9.30 - 8.90	12.80 - 12.20 - 11.70	17.60 - 16.90 - 16.20	22.10 - 21.20 - 20.30
	Heat	A	6.05 - 5.80 - 5.55	7.85 - 7.50 - 7.20	10.90 - 10.40 - 10.00	15.00 - 14.30 - 13.70	17.70 - 16.90 - 16.20
Air volume	Cool / Heat	m³/min	40/45	50/45	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	46/48	49/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	65/68	69/69	70/70	73/73	74/74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference [in/out] ⁵⁾		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.45/0.979	1.45/0.979	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1958	2038	2623	2988	3636
Indoor unit Price		£	859	919	1160	1360	1478
Outdoor unit Price		£	995	1015	1359	1524	2054
Wired Remote Controller Price		£	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RW53 + CZ-RWRT3 Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1 Econavi energy savings sensor	128



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



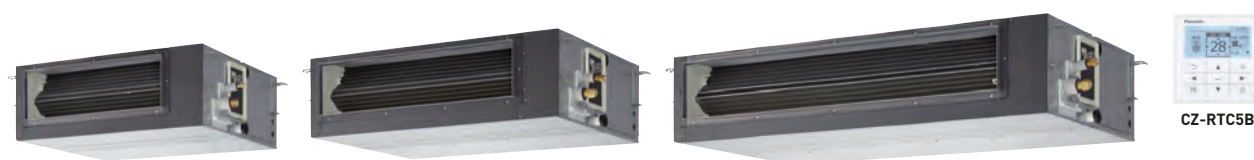
PACi Standard Ceiling Inverter+ • R32 Refrigerant

			Three Phase		
			10.0kW	12.5kW	14.0kW
KIT			KIT-100PT2Z8	KIT-125PT2Z8	KIT-140PT2Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10.0[3.0 - 11.5]	12.5[3.2 - 13.5]	14.0[3.3 - 15.0]
UK Cooling	(Total - Sensible)	kW	10.7 - 7.1	12.6 - 8.2	13.9 - 8.9
EER ¹⁾	Nominal (Min - Max)	W/W	3.64[5.36 - 2.80]	3.32[5.33 - 2.77]	2.98[5.32 - 2.73]
SEER ²⁾			6.5 A++	5.8	5.5
Pdesign		kW	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	2.75[0.56 - 4.10]	3.76[0.60 - 4.88]	4.70[0.62 - 5.50]
Annual energy consumption ³⁾		kWh/a	538	1304	1534
Heating capacity	Nominal (Min - Max)	kW	10.0[3.0 - 14.0]	12.5[3.3 - 15.0]	14.0[3.4 - 16.0]
UK Heating		kW	12.54	14.37	16.16
COP ¹⁾	Nominal (Min - Max)	W/W	4.24[5.36 - 3.50]	3.89[4.52 - 3.41]	3.70[5.48 - 3.08]
SCOP ²⁾			4.2 A+	3.8	3.7
Pdesign at -10°C		kW	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	2.36[0.56 - 4.00]	3.21[0.73 - 4.40]	3.78[0.62 - 5.20]
Annual energy consumption ³⁾		kWh/a	3324	4669	5153
Indoor unit			S-100PT2E5B	S-125PT2E5B	S-140PT2E5B
Air volume	Hi / Med / Lo	m³/min	30/25/23	34/28/24	35/29/25
Moisture removal volume		L/h	6.0	7.9	9.0
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	42/37/35	46/40/36	47/41/37
Sound power	Hi / Med / Lo	dB	60/55/53	64/58/54	65/59/55
Dimension	H x W x D	mm	235 x 1590 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight		kg	40	40	40
Outdoor unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4.37 - 4.15 - 4.00	5.90 - 5.60 - 5.40	7.40 - 7.05 - 6.80
	Heat	A	3.72 - 3.55 - 3.40	5.00 - 4.75 - 4.60	5.90 - 5.60 - 5.40
Air volume	Cool / Heat	m³/min	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	70/70	73/73	74/74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8[9.52]	3/8[9.52]	3/8[9.52]
	Gas pipe	Inch (mm)	5/8[15.88]	5/8[15.88]	5/8[15.88]
Pipe length range		m	5 - 50	5 - 50	5 - 50
Elevation difference (in/out) ⁵⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	2706	3068	3660
Indoor unit Price		£	1160	1360	1478
Outdoor unit Price		£	1442	1604	2078
Wired Remote Controller Price		£	104	104	104

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



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



CZ-RTC5B

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

			Single Phase						
			3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-36PF1ZH5	KIT-50PF1ZH5	KIT-60PF1ZH5	KIT-71PF1ZH5	KIT-100PF1ZH5	KIT-125PF1ZH5	KIT-140PF1ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.6(1.5 - 4.0)	5.0(1.5 - 5.6)	6.0(2.0 - 7.1)	7.1(2.2 - 9.0)	10.0(3.1 - 12.5)	12.5(3.2 - 14.0)	14.0(3.3 - 16.0)
UK Cooling	(Total - Sensible)	kW	3.7 - 2.8	5.1 - 3.6	6.7 - 4.6	8.1 - 5.3	11.4 - 7.8	12.8 - 8.4	14.6 - 9.4
EER ¹⁾		W/W	4.74	4.03	3.68	3.84	4.13	3.52	3.26
SEER ²⁾			6.1A++	5.9A+	6.4A++	6.5A++	6.2A++	5.9	5.7
Pdesign		kW	3.6	5.0	6.0	7.1	10.0	12.5	14.0
Input power cooling		kW	0.76	1.24	1.63	1.85	2.42	3.55	4.30
Annual energy consumption ³⁾		kWh/a	207	297	328	382	564	—	—
Heating capacity	Nominal (Min - Max)	kW	4.0(1.5 - 5.0)	5.6(1.5 - 6.5)	7.0(1.8 - 8.0)	8.0(2.0 - 9.0)	11.2(3.1 - 14.0)	14.0(3.2 - 16.0)	16.0(3.3 - 18.0)
UK Heating		kW	4.1	5.3	6.1	8.1	12.5	14.4	16.2
COP ¹⁾		W/W	4.76	4.18	4.14	4.00	4.31	4.02	3.65
SCOP ²⁾			4.3A+	4.2A+	4.3A+	4.6A++	4.4A+	4.3	4.2
Pdesign at -10°C		kW	3.6	4.0	6.0	5.2	8.0	9.5	10.6
Input power heating		kW	0.84	1.34	1.69	2.00	2.60	3.48	4.38
Annual energy consumption ³⁾		kWh/a	1172	1500	1953	1582	2545	—	—
Indoor unit			S-36PF1E5B	S-50PF1E5B	S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	70(10 - 150)	70(10 - 150)	70(10 - 150)	70(10 - 150)	100(10 - 150)	100(10 - 150)	100(10 - 150)
Air volume	Hi / Med / Lo	m³/min	14.0/13.0/10.0	16.0/15.0/12.0	21.0/19.0/15.0	21.0/19.0/15.0	32.0/26.0/21.0	34.0/29.0/23.0	36.0/32.0/25.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	33/29/25	34/30/26	35/32/26	35/32/26	38/34/31	39/35/32	40/36/33
Dimension	HxWxD	mm	290x800x700	290x800x700	290x1000x700	290x1000x700	290x1400x700	290x1400x700	290x1400x700
Net weight		kg	28	28	33	33	45	45	45
Outdoor unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5	U-100PZH2E5	U-125PZH2E5	U-140PZH2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	3.45 - 3.30 - 3.15	5.50 - 5.25 - 5.05	7.65 - 7.30 - 7.00	8.35 - 8.00 - 7.65	10.60 - 10.20 - 9.75	15.90 - 15.20 - 14.60	19.50 - 18.60 - 17.80
	Heat	A	3.85 - 3.70 - 3.55	6.05 - 5.80 - 5.55	7.95 - 7.60 - 7.25	8.90 - 8.50 - 8.25	11.50 - 11.00 - 10.50	15.60 - 14.90 - 14.30	19.90 - 19.00 - 18.20
Air volume	Cool / Heat	m³/min	40/40	40/45	40/45	61/60	118/108	125/122	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48	46/49	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	62/64	64/68	65/69	65/67	69/69	70/70	71/71
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320	996x940x340	1416x940x340	1416x940x340	1416x940x340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
	Gas pipe	Inch (mm)	1/2(12.70)	1/2(12.70)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)
Pipe length range		m	3~40	3~40	3~40	5~50	5~85	5~85	5~85
Elevation difference (in/out) ⁶⁾		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.15/0.776	1.15/0.776	1.45/0.979	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15~-46	-15~-46	-15~-46	-15~-46	-20 ⁷⁾ ~-46	-20 ⁷⁾ ~-46	-20 ⁷⁾ ~-46
	Heat Min ~ Max	°C	-20~-24	-20~-24	-20~-24	-20~-24	-20~-24	-20~-24	-20~-24
Kit Price		£	1655	1901	2220	2591	3171	3510	3897
Indoor unit Price		£	589	674	724	967	1043	1213	1233
Outdoor unit Price		£	962	1123	1392	1520	2024	2193	2560
Wired Remote Controller Price		£	104	104	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRC3 Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107

Accessories	Price £
PAW-GRDSTD40 Outdoor elevation platform 400x900x400mm	117
CZ-CENSC1 Econavi energy savings sensor	128
CZ-56DAF2 Air Outlet Plenum S . .PF1E5B 36, 45 & 50	120
CZ-90DAF2 Air Outlet Plenum S . .PF1E5B 60 & 71	180
CZ-160DAF2 Air Outlet Plenum S . .PF1E5B 100, 125 & 140	240



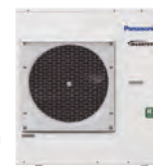
CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



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

			Three Phase			
			7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-71PF1ZH8	KIT-100PF1ZH8	KIT-125PF1ZH8	KIT-140PF1ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	7.1 [2.2 - 9.0]	10.0 [3.1 - 12.5]	12.5 [3.2 - 14.0]	14.0 [3.3 - 16.0]
UK Cooling	(Total - Sensible)	kW	8.1 - 5.3	11.4 - 7.8	12.8 - 8.4	14.6 - 9.4
EER ¹⁾		W/W	3.84	4.13	3.52	3.26
SEER ²⁾			6.4 A++	6.1 A++	5.9	5.7
Pdesign		kW	7.1	10.0	12.5	14.0
Input power cooling		kW	1.85	2.42	3.55	4.30
Annual energy consumption ³⁾		kWh/a	388	574	—	—
Heating capacity	Nominal (Min - Max)	kW	8.0 [2.0 - 9.0]	11.2 [3.1 - 14.0]	14.0 [3.2 - 16.0]	16.0 [3.3 - 18.0]
UK Heating		kW	8.1	12.5	14.4	16.2
COP ¹⁾		W/W	4.00	4.31	4.02	3.65
SCOP ²⁾			4.6 A++	4.4 A+	4.3	4.2
Pdesign at -10°C		kW	5.2	8.0	9.5	10.6
Input power heating		kW	2.00	2.60	3.48	4.38
Annual energy consumption ³⁾		kWh/a	1582	2545	—	—
Indoor unit			S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	70 [10 - 150]	100 [10 - 150]	100 [10 - 150]	100 [10 - 150]
Air volume	Hi / Med / Lo	m³/min	21.0 / 19.0 / 15.0	32.0 / 26.0 / 21.0	34.0 / 29.0 / 23.0	36.0 / 32.0 / 25.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	35 / 32 / 26	38 / 34 / 31	39 / 35 / 32	40 / 36 / 33
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	45	45	45
Outdoor unit			U-71PZH2E8	U-100PZH2E8	U-125PZH2E8	U-140PZH2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	2.80 - 2.70 - 2.60	3.60 - 3.40 - 3.30	5.40 - 5.10 - 4.95	6.60 - 6.25 - 6.05
	Heat	A	3.00 - 2.90 - 2.80	3.90 - 3.70 - 3.55	5.30 - 5.00 - 4.85	6.70 - 6.40 - 6.15
Air volume	Cool / Heat	m³/min	61 / 60	118 / 108	125 / 112	129 / 116
Sound pressure	Cool / Heat (Hi)	dB(A)	48 / 50	52 / 52	53 / 53	54 / 54
Sound power	Cool / Heat (Hi)	dB	65 / 67	69 / 69	70 / 70	71 / 71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) ⁶⁾		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.95 / 1.316	3.05 / 2.059	3.05 / 2.059	3.05 / 2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-20 ⁷⁾ ~ +46	-20 ⁷⁾ ~ +46	-20 ⁷⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	2637	3203	3609	4171
Indoor unit Price		£	967	1043	1213	1233
Outdoor unit Price		£	1566	2056	2292	2834
Wired Remote Controller Price		£	104	104	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium External static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. 7) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20°C in the computer rooms with the piping length of 30m or less. * Recommended fuse for the indoor 3A.



SEER and SCOP: For KIT-71PF1ZH5. INTERNET CONTROL: Optional.
Compatible with all Panasonic connectivity solutions. For detailed information go to the Control Systems section.



CZ-RTC5B

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

			Single Phase				
			6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-60PF1Z5	KIT-71PF1Z5	KIT-100PF1Z5	KIT-125PF1Z5	KIT-140PF1Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	6.0 [2.0 - 7.10]	7.1 [2.0 - 7.70]	10.0 [3.0 - 11.50]	12.5 [3.2 - 13.50]	14.0 [3.3 - 15.00]
UK Cooling	(Total - Sensible)	kW	6.7 - 4.6	7.50 - 4.70	10.7 - 7.3	12.6 - 8.3	13.9 - 8.5
EER ¹⁾	Nominal (Min - Max)	W/W	3.51	3.23	3.66 [5.36 - 2.81]	3.52 [5.33 - 2.80]	3.18 [5.32 - 2.70]
SEER ²⁾			6.1 A++	6.1 A++	5.6 A+	5.6	5.4
Pdesign		kW	6.0	7.1	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	1.71	2.20	2.73 [0.56 - 4.09]	3.55 [0.60 - 4.82]	4.40 [0.62 - 5.56]
Annual energy consumption ³⁾		kWh/a	344	407	625	787	911
Heating capacity	Nominal (Min - Max)	kW	6.0 [1.8 - 7.00]	7.1 [1.8 - 8.10]	10.0 [3.0 - 14.00]	12.5 [3.3 - 15.00]	14.0 [3.4 - 16.00]
UK Heating		kW	5.7	6.1	11.0	13.6	13.7
COP ¹⁾	Nominal (Min - Max)	W/W	4.55	4.13	4.31 [5.36 - 3.51]	4.02 [5.50 - 3.45]	3.79 [5.48 - 3.13]
SCOP ²⁾			4.2 A+	4.3 A+	3.8 A	3.6	3.5
Pdesign at -10°C		kW	6.0	6.0	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	1.32	1.72	2.32 [0.56 - 3.99]	3.11 [0.60 - 4.35]	3.69 [0.62 - 5.12]
Annual energy consumption ³⁾		kWh/a	2000	1953	3684	4848	5379
Indoor unit			S-60PF1E5B	S-71PF1E5B	S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	70 [10 - 150]	70 [10 - 150]	100 [10 - 150]	100 [10 - 150]	100 [10 - 150]
Air volume	Hi / Med / Lo	m³/min	21.0 / 19.0 / 15.0	21.0 / 19.0 / 15.0	32.0 / 26.0 / 21.0	34.0 / 29.0 / 23.0	36.0 / 32.0 / 25.0
Moisture removal volume		L/h	3.4	4.2	6.0	7.9	9.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	35/32/26	35/32/26	38/34/31	39/35/32	40/36/33
Sound power	Hi / Med / Lo	dB	57/54/48	57/54/48	60/56/53	61/57/54	62/58/55
Dimension	H x W x D	mm	290 x 1000 x 700	290 x 1000 x 700	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	33	33	45	45	45
Outdoor unit			U-60PZ2E5	U-71PZ2E5	U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	8.05 - 7.70 - 7.35	10.40 - 9.95 - 9.50	12.10 - 11.60 - 11.10	16.10 - 15.50 - 14.80	20.20 - 19.30 - 18.60
	Heat	A	6.05 - 5.80 - 5.55	8.10 - 7.75 - 7.40	10.10 - 9.70 - 9.30	14.00 - 13.40 - 12.90	16.80 - 16.00 - 15.30
Air volume	Cool / Heat	m³/min	40/45	50/45	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	46/48	49/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	65/68	69/69	70/70	73/73	74/74
Dimension	H x W x D	mm	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁶⁾		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.45/0.979	1.45/0.979	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1823	2086	2506	2841	3391
Indoor unit Price		£	724	967	1043	1213	1233
Outdoor unit Price		£	995	1015	1359	1524	2054
Wired Remote Controller Price		£	104	104	104	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRC3 Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107

Accessories	Price £
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1 Econavi energy savings sensor	128
CZ-90DAF2 Air Outlet Plenum S . .PF1E5B 60 & 71	180
CZ-160DAF2 Air Outlet Plenum S . .PF1E5B 100, 125 & 140	240



CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



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

			Three Phase		
			10.0kW	12.5kW	14.0kW
KIT			KIT-100PF1Z8	KIT-125PF1Z8	KIT-140PF1Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 11.50]	12.5 [3.2 - 13.50]	14.0 [3.3 - 15.00]
UK Cooling	(Total - Sensible)	kW	10.7 - 7.3	12.6 - 8.7	13.9 - 8.9
EER ¹⁾	Nominal (Min - Max)	W/W	3.66 [5.36 - 2.81]	3.52 [5.33 - 2.80]	3.18 [5.32 - 2.70]
SEER ²⁾			5.6A+	5.6	5.4
Pdesign		kW	10.0	12.5	14.0
Input power cooling	Nominal (Min - Max)	kW	2.73 [0.56 - 4.09]	3.55 [0.60 - 4.82]	4.40 [0.62 - 5.56]
Annual energy consumption ³⁾		kWh/a	625	790	912
Heating capacity	Nominal (Min - Max)	kW	10.0 [3.0 - 14.00]	12.5 [3.3 - 15.00]	14.0 [3.4 - 16.00]
UK Heating		kW	11.0	13.6	13.7
COP ¹⁾	Nominal (Min - Max)	W/W	4.31 [5.36 - 3.51]	4.02 [5.50 - 3.45]	3.79 [5.48 - 3.13]
SCOP ²⁾			3.8A	3.6	3.5
Pdesign at -10°C		kW	10.0	12.5	13.6
Input power heating	Nominal (Min - Max)	kW	2.32 [0.56 - 3.99]	3.11 [0.60 - 4.35]	3.69 [0.62 - 5.12]
Annual energy consumption ³⁾		kWh/a	3684	4848	5379
Indoor unit			S-100PF1E5B	S-125PF1E5B	S-140PF1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	100 [10 - 150]	100 [10 - 150]	100 [10 - 150]
Air volume	Hi / Med / Lo	m³/min	32.0/26.0/21.0	34.0/29.0/23.0	36.0/32.0/25.0
Moisture removal volume		L/h	6.0	7.9	9.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	38/34/31	39/35/32	40/36/33
Sound power	Hi / Med / Lo	dB	60/56/53	61/57/54	62/58/55
Dimension	H x W x D	mm	290 x 1400 x 700	290 x 1400 x 700	290 x 1400 x 700
Net weight		kg	45	45	45
Outdoor unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4.15 - 3.95 - 3.80	5.40 - 5.10 - 4.95	6.75 - 6.40 - 6.15
	Heat	A	3.45 - 3.30 - 3.20	4.70 - 4.45 - 4.30	5.60 - 5.30 - 5.15
Air volume	Cool / Heat	m³/min	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	70/70	73/73	74/74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁶⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	2589	2921	3415
Indoor unit Price		£	1043	1213	1233
Outdoor unit Price		£	1442	1604	2078
Wired Remote Controller Price		£	104	104	104

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium External static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1.5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. * Recommended fuse for the indoor 3A.



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



CZ-RTC5B

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

			Single Phase						
			3.6kW	5.0kW	6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-36PN1ZH5	KIT-50PN1ZH5	KIT-60PN1ZH5	KIT-71PN1ZH5	KIT-100PN1ZH5	KIT-125PN1ZH5	KIT-140PN1ZH5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	3.6(1.5 - 4.0)	5.0(1.5 - 5.6)	6.0(2.0 - 7.1)	7.1(2.0 - 9.0)	10.0(3.1 - 12.5)	12.5(3.2 - 14.0)	14.0(3.3 - 16.0)
UK Cooling	(Total - Sensible)	kW	3.7 - 2.7	5.1 - 3.5	6.7 - 4.5	8.1 - 5.1	11.4 - 7.4	12.8 - 8.3	14.6 - 9.3
EER ¹⁾		W/W	3.85	3.40	3.41	3.40	3.95	3.35	3.15
SEER ²⁾			5.1 A	5.1 A	6.0 A+	6.0 A+	6.0 A+	6.0	5.8
Pdesign		kW	3.6	5.0	6.0	7.1	10.0	12.5	14.0
Input power cooling		kW	0.93	1.47	1.76	2.09	2.53	3.73	4.45
Annual energy consumption ³⁾		kWh/a	246	342	350	414	582	—	—
Heating capacity	Nominal (Min - Max)	kW	4.0(1.5 - 5.0)	5.6(1.5 - 6.5)	7.0(1.8 - 7.0)	8.0(2.0 - 9.0)	11.2(3.1 - 14.0)	14.0(3.3 - 16.0)	16.0(3.3 - 18.0)
UK Heating		kW	4.66	6.07	7.31	8.10	12.50	14.40	16.20
COP ¹⁾		W/W	4.40	3.50	3.80	3.90	4.00	3.70	3.50
SCOP ²⁾			4.0 A+	4.0 A+	4.0 A+	4.0 A+	4.0 A+	3.9	3.8
Pdesign at -10°C		kW	3.6	3.8	5.6	5.2	8.0	9.5	10.6
Input power heating		kW	0.91	1.60	1.84	2.05	2.80	3.78	4.45
Annual energy consumption ³⁾		kWh/a	1258	1573	2095	1914	2799	—	—
Indoor unit			S-36PN1E5B	S-50PN1E5B	S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	25(10 - 80)	25(10 - 80)	25(10 - 80)	25(10 - 80)	40(10 - 80)	50(10 - 80)	50(10 - 80)
Air volume	Hi / Med / Lo	m³/min	14.0/12.0/10.0	16.0/13.0/10.0	22.0/20.0/16.0	22.0/20.0/16.0	36.0/33.0/26.0	38.0/35.0/28.0	40.0/37.0/30.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	35/33/30	36/34/30	38/36/31	38/36/31	39/37/32	40/38/33	41/39/34
Dimension	HxWxD	mm	250x780x650	250x780x650	250x1000x650	250x1000x650	250x1200x650	250x1200x650	250x1200x650
Net weight		kg	29	29	32	32	41	41	41
Outdoor unit			U-36PZH2E5	U-50PZH2E5	U-60PZH2E5	U-71PZH2E5	U-100PZH2E5	U-125PZH2E5	U-140PZH2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	4.20 - 4.00 - 3.85	6.50 - 6.20 - 5.95	8.20 - 7.85 - 7.50	9.45 - 9.00 - 8.60	11.20 - 10.70 - 10.20	16.90 - 16.10 - 15.40	20.00 - 19.30 - 18.40
	Heat	A	4.10 - 3.90 - 3.75	7.15 - 6.85 - 6.55	8.60 - 8.25 - 7.85	9.20 - 8.85 - 8.45	2.40 - 11.90 - 11.40	17.00 - 16.20 - 15.60	20.20 - 19.30 - 18.50
Air volume	Cool / Heat	m³/min	40/40	40/45	40/45	61/60	118/108	125/122	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	43/44	45/48	46/49	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	62/64	64/68	65/69	65/67	69/69	70/70	71/71
Dimension	HxWxD	mm	695x875x320	695x875x320	695x875x320	996x940x340	1416x940x340	1416x940x340	1416x940x340
Net weight		kg	43	43	44	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
	Gas pipe	Inch (mm)	1/2(12.70)	1/2(12.70)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)
Pipe length range		m	3~40	3~40	3~40	5~50	5~85	5~85	5~85
Elevation difference (in/out) ⁶⁾		m	30	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30	30
Additional gas amount		g/m	20	20	35	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.15/0.776	1.15/0.776	1.45/0.979	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-20 ⁷⁾ ~ +46	-20 ⁷⁾ ~ +46	-20 ⁷⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	1627	1870	2189	2558	3130	3499	3887
Indoor unit Price		£	561	643	693	934	1002	1202	1223
Outdoor unit Price		£	962	1123	1392	1520	2024	2193	2560
Wired Remote Controller Price		£	104	104	104	104	104	104	104

Excludes filter and drain pump

Accessories		Price £
CZ-RTC6	NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL	NEW Wired remote controller with Bluetooth	149
CZ-RTC5B	Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRC3	Infrared remote controller	93 + 145
CZ-CAPWFC1	Commercial WLAN Adaptor	151

Accessories		Price £
PAW-WTRAY	Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40	Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1	Econavi energy savings sensor	128



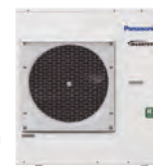
CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



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

			Three Phase			
			7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-71PN1ZH8	KIT-100PN1ZH8	KIT-125PN1ZH8	KIT-140PN1ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	7.1 [2.2 - 9.0]	10.0 [3.1 - 12.5]	12.5 [3.2 - 14.0]	14.0 [3.3 - 16.0]
UK Cooling	(Total - Sensible)	kW	8.1 - 5.1	11.4 - 7.5	12.8 - 8.3	14.6 - 9.3
EER ¹⁾		W/W	3.40	3.95	3.35	3.15
SEER ²⁾			5.9 A+	5.9 A+	5.9	5.8
Pdesign		kW	7.1	10.0	12.5	14.0
Input power cooling		kW	2.09	2.53	3.73	4.45
Annual energy consumption ³⁾		kWh/a	418	588	—	—
Heating capacity	Nominal (Min - Max)	kW	8.0 [2.0 - 9.0]	11.2 [3.1 - 14.0]	14.0 [3.3 - 16.0]	16.0 [3.3 - 18.0]
UK Heating		kW	8.1	12.5	14.4	16.2
COP ¹⁾		W/W	3.90	4.00	3.70	3.60
SCOP ²⁾			4.0 A+	4.0 A+	3.9	3.8
Pdesign at -10°C		kW	5.2	8.0	9.5	10.6
Input power heating		kW	2.05	2.80	3.78	4.45
Annual energy consumption ³⁾		kWh/a	1914	2799	—	—
Indoor unit			S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	25 [10 - 80]	40 [10 - 80]	50 [10 - 80]	50 [10 - 80]
Air volume	Hi / Med / Lo	m³/min	22.0/20.0/16.0	36.0/33.0/26.0	38.0/35.0/28.0	46.0/37.0/30.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	38/36/31	39/37/32	40/38/33	41/39/34
Dimension	H x W x D	mm	250 x 1000 x 650	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	32	41	41	41
Outdoor unit			U-71PZH2E8	U-100PZH2E8	U-125PZH2E8	U-140PZH2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	3.20 - 3.05 - 2.95	3.75 - 3.55 - 3.45	5.65 - 5.40 - 5.20	11.70 - 11.20 - 10.70
	Heat	A	3.20 - 2.95 - 2.85	4.20 - 4.00 - 3.85	5.75 - 5.45 - 5.25	6.80 - 6.45 - 6.20
Air volume	Cool / Heat	m³/min	61/60	118/108	125/112	129/116
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54
Sound power	Cool / Heat (Hi)	dB	65/67	69/69	70/70	71/71
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340
Net weight		kg	68	99	99	99
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range		m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85
Elevation difference (in/out) ⁶⁾		m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	45	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-20 ⁷⁾ ~ +46	-20 ⁷⁾ ~ +46	-20 ⁷⁾ ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Kit Price		£	2604	3162	3598	4161
Indoor unit Price		£	934	1002	1202	1223
Outdoor unit Price		£	1566	2056	2292	2834
Wired Remote Controller Price		£	104	104	104	104

Excludes filter and drain pump

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance to EU/626/2011. 4) Medium external static pressure setting from factory. 5) The sound pressure of the units shows the value measured of the position 1,5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 6) When installing the outdoor unit at a higher position than the indoor unit. 7) For models 100 ~ 140PZH2E5[8], it is possible to operate the lowest -20°C in the computer rooms with the piping length of 30m or less. * Recommended fuse for the indoor 3A.



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



CZ-RTC5B

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

			Single Phase				
			6.0kW	7.1kW	10.0kW	12.5kW	14.0kW
KIT			KIT-60PN1Z5	KIT-71PN1Z5	KIT-100PN1Z5	KIT-125PN1Z5	KIT-140PN1Z5
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	6.0[2.0 - 7.1]	7.1[2.0 - 7.7]	10.0[3.0 - 11.5]	12.5[3.2 - 13.5]	14.0[3.3 - 15.0]
UK Cooling	(Total - Sensible)	kW	6.7 - 4.6	7.5 - 4.8	10.7 - 7.1	12.6 - 8.2	13.9 - 9.0
EER ¹⁾		W/W	3.31	3.11	3.30	3.20	3.00
SEER ²⁾			5.8A+	5.8A+	5.4A	5.1	5.0
Pdesign		kW	6.0	7.1	10.0	12.5	14.0
Input power cooling		kW	1.81	2.28	3.03	3.90	4.65
Annual energy consumption ³⁾		kWh/a	361	428	641	—	—
Heating capacity	Nominal (Min - Max)	kW	6.0[1.8 - 7.0]	7.1[1.8 - 8.1]	10.0[3.0 - 14.0]	12.5[3.3 - 15.0]	14.0[3.4 - 16.0]
UK Heating		kW	7.31	8.06	13.00	14.70	15.40
COP ¹⁾		W/W	3.90	3.72	3.91	3.60	3.55
SCOP ²⁾			4.0A+	4.0A+	3.9A	3.6	3.5
Pdesign at -10°C		kW	5.6	5.6	7.6	12.5	14.0
Input power heating		kW	1.54	1.90	2.56	3.46	3.94
Annual energy consumption ³⁾		kWh/a	2095	2100	3589	—	—
Indoor unit			S-60PN1E5B	S-71PN1E5B	S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	25[10 - 80]	25[10 - 80]	40[10 - 80]	50[10 - 80]	50[10 - 80]
Air volume	Hi / Med / Lo	m³/min	22.0/20.0/16.0	22.0/20.0/16.0	36.0/33.0/26.0	38.0/35.0/28.0	40.0/37.0/30.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	38/36/31	38/36/31	39/37/32	40/38/33	41/39/34
Dimension	HxWxD	mm	250x1000x650	250x1000x650	250x1200x650	250x1200x650	250x1200x650
Net weight		kg	32	32	41	41	41
Outdoor unit			U-60PZ2E5	U-71PZ2E5	U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
Power source		V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
Current	Cool	A	8.30 - 8.00 - 7.60	10.60 - 10.10 - 9.60	14.00 - 13.30 - 12.80	17.90 - 17.10 - 16.50	21.50 - 20.50 - 19.60
	Heat	A	7.00 - 6.70 - 6.40	8.80 - 8.40 - 8.00	11.60 - 11.10 - 10.70	15.80 - 15.10 - 14.50	18.00 - 17.30 - 16.50
Air volume	Cool / Heat	m³/min	40/45	50/45	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	46/48	49/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	65/68	69/69	70/70	73/73	74/74
Dimension	HxWxD	mm	695x875x320	695x875x320	996x980x370	996x980x370	996x980x370
Net weight		kg	44	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8[9.52]	3/8[9.52]	3/8[9.52]	3/8[9.52]	3/8[9.52]
	Gas pipe	Inch (mm)	5/8[15.88]	5/8[15.88]	5/8[15.88]	5/8[15.88]	5/8[15.88]
Pipe length range		m	3~40	3~40	5~50	5~50	5~50
Elevation difference (in/out) ⁶⁾		m	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30
Additional gas amount		g/m	35	35	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.45/0.979	1.45/0.979	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	1792	2053	2465	2830	3381
Indoor unit Price		£	693	934	1002	1202	1223
Outdoor unit Price		£	995	1015	1359	1524	2054
Wired Remote Controller Price		£	104	104	104	104	104

Excludes filter and drain pump

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104
CZ-RWS3 + CZ-RWRC3 Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151

Accessories	Price £
PAW-WTRAY Tray for condenser water compatible with outdoor elevation platform	117
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400x900x400mm	117
CZ-CENSC1 Econavi energy savings sensor	128



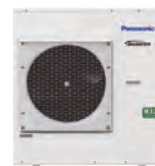
CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.



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



CZ-CENSC1
Optional Econavi
Sensor.



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

			Three Phase		
			10.0kW	12.5kW	14.0kW
KIT			KIT-100PN1Z8	KIT-125PN1Z8	KIT-140PN1Z8
Remote controller			CZ-RTC5B	CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	10.0(3.0 - 11.5)	12.5(3.2 - 13.5)	14.0(3.3 - 15.0)
UK Cooling	(Total - Sensible)	kW	10.7 - 7.1	12.6 - 8.2	13.9 - 9.0
EER ¹⁾		W/W	3.30	3.21	3.01
SEER ²⁾			5.4A	5.1	5.0
Pdesign		kW	10.0	12.5	14.0
Input power cooling		kW	3.03	3.90	4.65
Annual energy consumption ³⁾		kWh/a	648	—	—
Heating capacity	Nominal (Min - Max)	kW	10.0(3.0 - 14.0)	12.5(3.3 - 15.0)	14.0(3.4 - 16.0)
UK Heating		kW	13.0	14.7	15.4
COP ¹⁾		W/W	3.91	3.61	3.55
SCOP ²⁾			3.9A	3.6	3.5
Pdesign at -10°C		kW	7.6	12.5	14.0
Input power heating		kW	2.56	3.46	3.94
Annual energy consumption ³⁾		kWh/a	3589	—	—
Indoor unit			S-100PN1E5B	S-125PN1E5B	S-140PN1E5B
External static pressure ⁴⁾	Nominal (Min - Max)	Pa	40(10 - 80)	50(10 - 80)	50(10 - 80)
Air volume	Hi / Med / Lo	m³/min	36.0/33.0/26.0	38.0/35.0/28.0	40.0/37.0/30.0
Sound pressure ⁵⁾	Hi / Med / Lo	dB(A)	39/37/32	40/38/33	41/39/34
Dimension	H x W x D	mm	250 x 1200 x 650	250 x 1200 x 650	250 x 1200 x 650
Net weight		kg	41	41	41
Outdoor unit			U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
Power source		V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Current	Cool	A	4.70 - 4.50 - 4.30	6.00 - 5.70 - 5.50	7.20 - 6.80 - 6.60
	Heat	A	3.90 - 3.70 - 3.60	5.30 - 5.00 - 4.90	6.00 - 5.70 - 5.50
Air volume	Cool / Heat	m³/min	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	70/70	73/73	74/74
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8(9.52)	3/8(9.52)	3/8(9.52)
	Gas pipe	Inch (mm)	5/8(15.88)	5/8(15.88)	5/8(15.88)
Pipe length range		m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out) ⁶⁾		m	30	30	30
Pipe length for additional gas		m	30	30	30
Additional gas amount		g/m	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24
Kit Price		£	2548	2910	3405
Indoor unit Price		£	1002	1202	1223
Outdoor unit Price		£	1442	1604	2078
Wired Remote Controller Price		£	104	104	104

Excludes filter and drain pump

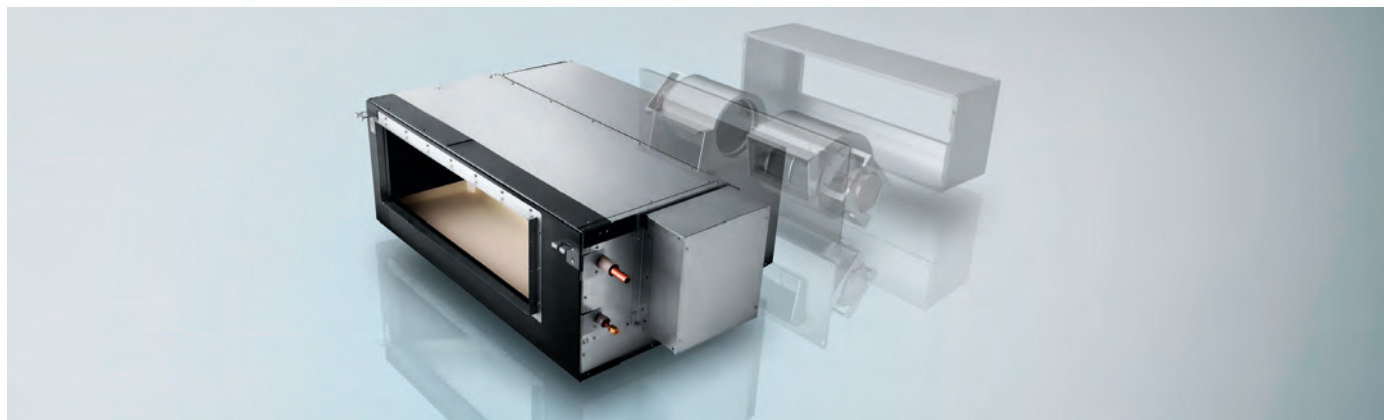
1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) The annual energy consumption is calculated in accordance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



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

Panasonic Big PACi Series R32

Panasonic Big PACi, not only environmental friendly but also groundbreaking products. Big PACi with R32 has been introduced with full renewal of its indoor unit, offering hydronic application by PACi Water Heat Exchanger.



- 1 Compact & light indoor body**
Compact and light indoor body, keeping the high efficiency, has a split-able design for easy installation within a limited narrow space. Plus ease of maintenance due to the simplified disassembly design.

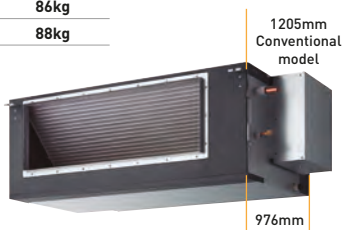
- 2 Easy pipe work with split-able Hide Away indoor design**
Heat exchanger and fan elements (fan + casing) can be separated during installation. The Hide Away indoor unit is easily reassembled and will fit through a narrow space.

Compact and light indoor body, keeping high efficiency

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

	Conventional model	New
20.0kW	100kg	86kg
25.0kW	104kg	88kg

DEPTH WAS REDUCED BY 230mm



- 3 High external static pressure, Maximum 200 Pa* setting**
A high static pressure enables the use of long ducts for installation in a wide range of spaces.

* S-250PE3E5B.

- 4 Comfort Cloud control**
Ready to control PACi systems with Panasonic Comfort Cloud App in your smartphones.*

* Panasonic WLAN adaptor CZ-CAPWFC1 is required.

Maximum 200Pa* static pressure setting

A high static pressure enables the use of long ducts for installation in a wide range of spaces.

3-step static pressure set up.

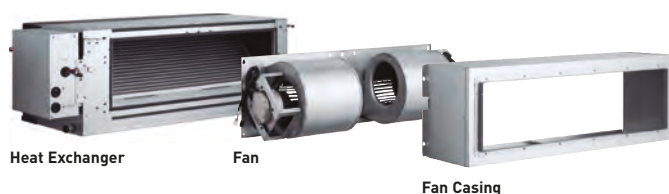
Selectable of static pressure modes can change 200Pa / 130Pa / 75Pa for extra installation flexibility.

* In case of S-250PE3E5B.



Easy Installation with Light Components

Indoor unit can easily be split into 3 components, the heaviest of which weighs only 48kg.



Dimensions of Each Component (lightweight design for easy disassembly).



The weight is for S-200PE3E5B model.



CZ-RTC5B

CZ-RTC6
CZ-RTC6BL
Optional Controller.
Wired remote controller.CZ-RWS3 +
CZ-RWRC3
Optional Controller.
Infrared remote controller.CZ-CENSC1
Optional Econavi
Sensor.

Big PACi High Static Pressure Hide Away 20.0-25.0kW Inverter+ • R32 Refrigerant

Three Phase

			20.0kW	25.0kW
KIT			KIT-200PE3ZH8	KIT-250PE3ZH8
Remote controller			CZ-RTC5B	CZ-RTC5B
Cooling capacity	Nominal (Min - Max)	kW	19.5 [5.7 - 21.0]	23.2 [6.1 - 27.0]
UK Cooling	(Total - Sensible)	kW	20.8 - 14.0	26.9 - 17.4
EER ¹⁾		W/W	3.22	3.11
SEER ²⁾			5.3	4.9
Pdesign		kW	19.5	23.2
Input power cooling		kW	6.06	7.46
Heating capacity	Nominal (Min - Max)	kW	22.4 [5.0 - 25.0]	28.0 [5.5 - 29.0]
UK Heating		kW	24.41	28.31
COP ¹⁾		W/W	3.61	3.41
SCOP ²⁾			3.6	3.6
Pdesign at -10°C		kW	17.0	20.0
Input power heating		kW	6.21	8.21
Indoor unit			S-200PE3E5B	S-250PE3E5B
Power source		V / ph / Hz	220 - 230 - 240 / 1 / 50	220 - 230 - 240 / 1 / 50
External static pressure at shipment (adjustable)		Pa	75 ³⁾ - 120 - 180	75 ³⁾ - 130 - 200
Air volume	Hi / Med / Lo	m³/min	72 / 63 / 53	84 / 72 / 59
Sound pressure ⁴⁾	Hi / Med / Lo	dB(A)	46 / 44 / 41	47 / 45 / 42
Dimension	H x W x D	mm	486 x 1456 x 916	486 x 1456 x 916
Net weight		kg	86	88
Outdoor unit			U-200PZH2E8	U-250PZH2E8
Power source		V / ph / Hz	380 - 400 - 415 / 3 / 50	380 - 400 - 415 / 3 / 50
Recommended fuse		A	30	30
Air volume	Cool / Heat	m³/min	164 / 164	160 / 160
Sound pressure	Cool / Heat (Hi)	dB(A)	59 / 61	59 / 63
Sound power	Cool / Heat (Hi)	dB	77 / 79	78 / 82
Dimension ⁵⁾	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	1/2 [12.70]
	Gas pipe	Inch (mm)	1 [25.40]	1 [25.40]
Pipe length range		m	5 ~ 90	5 ~ 60
Elevation difference (in/out) ⁶⁾		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	60	80
Refrigerant [R32] / CO ₂ Eq.		kg / T	4.20 / 2.835	5.20 / 3.51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24
Kit Price		£	5764	6248
Indoor unit Price		£	2668	2825
Outdoor unit Price		£	2992	3319
Wired Remote Controller Price		£	104	104

Accessories	Price £
CZ-RTC6 NEW Wired remote controller (non-wireless) (available from Spring 2020)	124
CZ-RTC6BL NEW Wired remote controller with Bluetooth (available from Spring 2020)	149
CZ-RTC5B Wired remote controller with Econavi function and datanavi	104

Accessories	Price £
CZ-RWS3 + CZ-RWRC3 Infrared remote controller	93 + 145
CZ-CAPWFC1 Commercial WLAN Adaptor	151
PAW-GRDBSE20 Outdoor base ground support for noise and vibration absorption	107
PAW-GRDSTD40 Outdoor elevation platform 400 x 900 x 400mm	117
CZ-CENSC1 Econavi energy savings sensor	128

1) EER and COP calculation is based in accordance to EN14511. 2) For models below 12kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12kW, the SEER and SCOP is calculated based on values of EU/2281/2016. 3) Factory setting. 4) The sound pressure of the units shows the value measured of the position 1.5m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 5) Add 100mm for indoor unit or 70mm for outdoor unit for piping port. 6) When installing the outdoor unit at a higher position than the indoor unit. * No filter included.



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

New PRO-HT Tank for PACi

Enjoy an efficient DHW and heating and cooling tank.

Panasonic commercial PRO-HT Tank solutions meet all needs of your hot water applications providing 65°C water.





PRO-HT TANK

PRO-HT Tank heating and cooling

PRO-HT Tank			PAW-VP380L
Cooling capacity at 35°C, water outlet 7°C		kW	12.80
Heating capacity		kW	25.00
Heating capacity at +7°C, heating water temperature at 45°C		kW	23.00
COP at +7°C with heating water temperature at 45°C		W/W	3.26
Heating Energy Efficiency class at 35°C (from A+++ to D)			A+++
η _{sh} (LOT1) ¹⁾		%	193
Dimension	H x Ø	mm	1820 x 690
Shipping weight		kg	99
Water pipe connector			1 1/4"
Heating water flow (ΔT=5 K, 35°C)		m³/h	3.9
Outdoor Unit			U-200PZH2E8
Sound pressure		dB(A)	57
Dimension	H x W x D	mm	1500 x 980 x 370
Net weight		kg	117
Piping connections	Liquid pipe	Inch (mm)	1/2 (12.07)
	Gas pipe	Inch (mm)	3/4 (19.05)
Refrigerant (R32) / CO ₂ Eq.		kg	4.20 (1.0kg additional gas charge on site)
Pipe length range ²⁾		m	30
Elevation difference (in/out)		m	30 (OD above) 30 (OD below)
Pipe length for nominal capacity		m	7.5
Pipe length for additional gas		m	> 7.5
Additional gas amount		g/m	Refer to manual
Operation range - Outdoor ambient	Heat / Cool	°C	-20 ~ +24 / -15 ~ +46
Water outlet	Heat / Cool	°C	25 ~ 45 / 5 ~ 15
PRO-HT Tank Price		£	5839
Outdoor unit Price		£	2992

Accessories

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

Accessories

PAW-IU29/39 Additional heater

1) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 811/2013. 2) The pipe length range is between indoor and outdoor, but does not include additional length for coil.

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

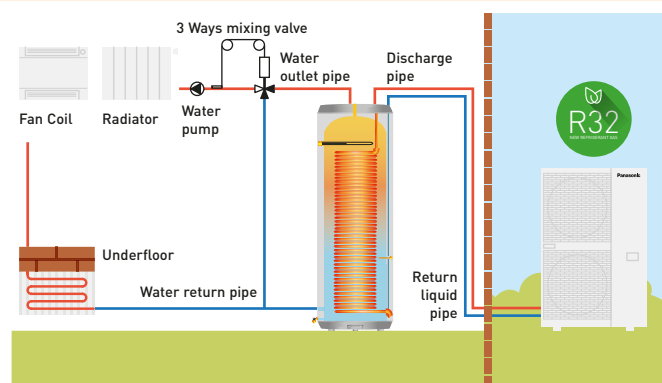
Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.

* Flow switch and water filter are not equipped.



Heating and cooling tank 380L + PACi 20.0kW

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



PACi with Water Heat Exchanger

- R32 Refrigerant

Panasonic introduces highly-efficient Water Heat Exchanger for PACi Series. This ground-breaking product gives further possibilities of PACi solutions by adding hydronic options.

WATER OUTLET TEMPERATURE

Cooling: 5 ~ 15°C
Heating: 35 ~ 50°C



1 Cost Saving Solution

- A+++ Energy efficiency class (scale from A+++ to D)
- Cost effective water projects thanks to lower cost for PACi compared to VRF

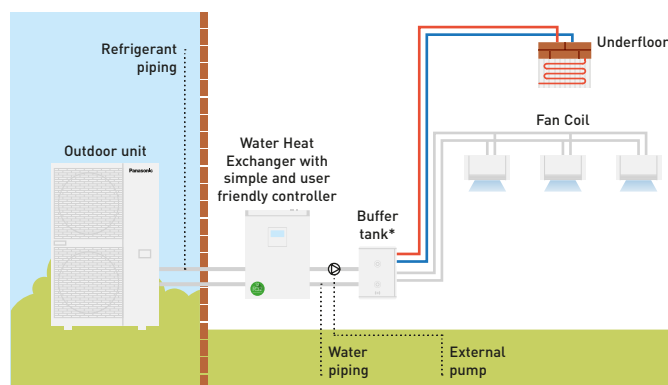
2 Space Saving & Flexible Positioning

- 2 installation possibilities (Wall-mounted / Floor-standing)
- Compact, lightweight unit design, only 27kg

3 Easy Installation, Maintenance

- Quick mounting process
- Flow switch kit is included as a standard
- Direct access to electrical box

System example.



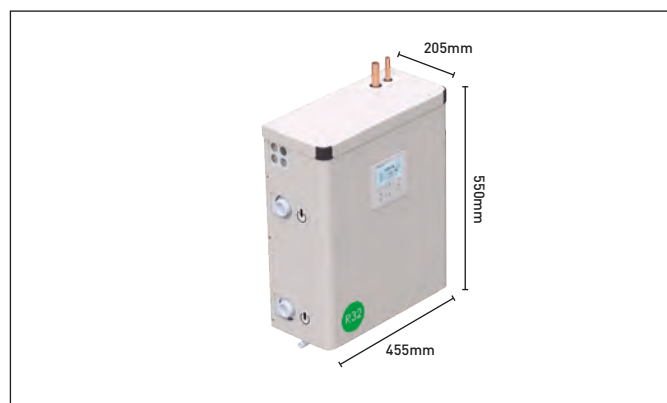
* Minimum buffer tank volume: 10 L/kW. ** Diagram is for illustrative purpose only.

Space saving & Flexible positioning

Compact and light unit.

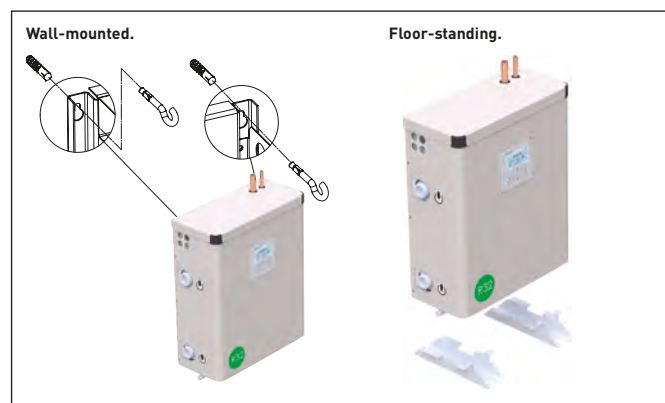
- Only 205mm depth fits within a limited space
- Lightweight design at only 27kg, makes it easy to maneuver and position
- Maximum total refrigerant piping length: 90m*

* 90m for PAW-200W5APAC.



2 installation options.

- Wall-mounted and Floor-standing installation options are available. Free-up floor space by using the Wall-mounted installation
 - Quick mounting process with its lightweight compact design
- Make fixing holes → Fix 2 screws → Hang the unit → Finish





PACi with Water Heat Exchanger for chilled and hot water production

			PAW-200W5APAC	PAW-250W5APAC
Cooling capacity ¹⁾	kW		20.00	25.00
EER ¹⁾	W/W		3.03	2.89
Heating capacity ²⁾	kW		23.00	28.00
COP ²⁾	W/W		2.98	2.95
η_{sh} (LOT1) ³⁾	%		178	178
Energy efficiency class (Scale A+++ to D) ⁴⁾			A+++	A+++
Dimension	H x W x D	mm	550 x 455 x 205	550 x 455 x 205
Net weight		kg	27	27
Water pipe connector		Inch	Male Thread 1 1/4	Male Thread 1 1/4
Cooling water flow ($\Delta T=5$ K, 35°C)		m³/h	3.45	4.30
Heating water flow ($\Delta T=5$ K, 35°C)		m³/h	4.15	4.85
Flow switch			Included	Included
Water filter			Included	Included
Outdoor Unit			U-200PZH2E8	U-250PZH2E8
Sound pressure	Cool / Heat (Hi)	dB(A)	59 / 61	59 / 63
Dimension	H x W x D	mm	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	1/2 (12.70)
	Gas pipe	Inch (mm)	1 (25.40)	1 (25.40)
Pipe length range		m	5 ~ 90	5 ~ 60
Elevation difference (in/out)		m	30	30
Pipe length for additional gas		m	30	30
Additional gas amount		g/m	60	80
Water outlet temperature range	Cool Min ~ Max	°C	+5 ~ +15	+5 ~ +15
	Heat Min ~ Max	°C	+35 ~ +50	+35 ~ +50
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24
Water Heat Exchanger Price			£ 3399	£ 3682
Outdoor unit Price			£ 2992	£ 3319

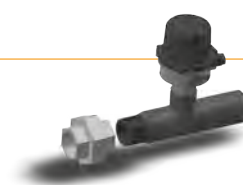
1) Data refers to 7°C leaving chilled water temperature and 35°C ambient air temperature, according to EN14511 standard. 2) Data refers to 45°C leaving warm water temperature and 7°C ambient air temperature according to EN14511 standard. 3) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 4) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D.



PACi Water Heat Exchanger (WHE) is ideal solution for small retails and offices. This is the first PACi connected WHE system. The investment costs can be amortised in a short period.

Quick installation with pre-assembled flow switch

The flow switches come pre-assembled with pipe fittings for ease of installation.



PACi Single, Twin, Triple and Double-Twin System



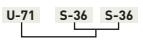
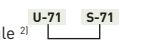
- 1 PACi Standard from 7.1 to 14.0kW**
Up to 2 indoor units connectable on the same outdoor. Panasonic's PACi units can be installed as single and twin systems. The indoor units can be combined following the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

- 2 PACi Elite from 7.1 to 14.0kW**
Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 7.1, 10.0, 12.0 and 14.0 can be installed as twin, triple and double-twin systems. The indoor units can be combined as per the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

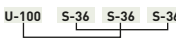
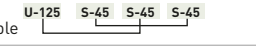
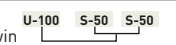
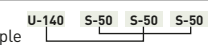
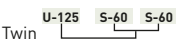
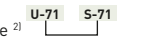
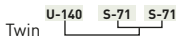
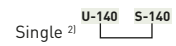
- 3 Big PACi Elite from 20.0 to 25.0kW**
Up to 4 indoor units can be connected to the same outdoor unit. Panasonic's PACi units 20.0 and 25.0 can be installed as twin, triple and double-twin systems. The indoor units can be combined as per the selection table. The operation will always be simultaneous. All the indoor units will work with the same settings.

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-mounted, Cassette, Hide Away, Ceiling) in one system.

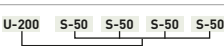
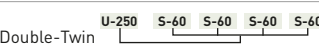
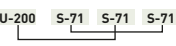
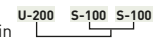
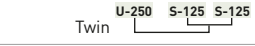
PACi Standard from 7.1 to 14.0kW Single/Simultaneous operation system combinations • R32

Indoor	Outdoor			
	7.1kW	10.0kW	12.5kW	14.0kW
3.6kW	Twin ¹⁾ 			
5.0kW		Twin 		
6.0kW			Twin 	
7.1kW	Single ²⁾ 			Twin 
10.0kW		Single ²⁾ 		
12.5kW			Single ²⁾ 	
14.0kW				Single ²⁾ 

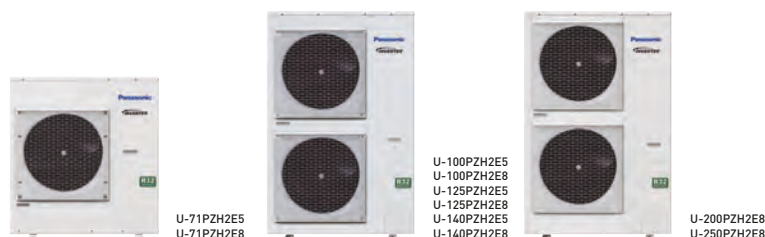
PACi Elite from 7.1 to 14.0kW Single/Simultaneous operation system combinations • R32

Indoor	Outdoor			
	7.1kW	10.0kW	12.5kW	14.0kW
3.6kW	Twin 	Triple 	Double-Twin 	
4.5kW			Triple 	
5.0kW		Twin 		Triple 
6.0kW			Twin 	
7.1kW	Single ²⁾ 			Twin 
10.0kW		Single ²⁾ 		
12.5kW			Single ²⁾ 	
14.0kW				Single ²⁾ 

PACi Elite from 20.0 to 25.0kW Single/Simultaneous operation system combinations • R32

Indoor	Outdoor	
	20.0kW	25.0kW
5.0kW	Double-Twin 	
6.0kW		Double-Twin 
7.1kW	Triple 	
10.0kW	Twin 	
12.5kW		Twin 
20.0kW	Single ²⁾ 	
25.0kW		Single ²⁾ 

1) Available for only PZ2 (R32) model with limitations of main pipe and branch pipe. Please contact an authorized Panasonic dealer. 2) PACi 1x1 Kit solution.



PACi Elite Outdoor units • R32 Refrigerant			7.1kW	10.0kW	12.5kW	14.0kW	20.0kW	25.0kW
Outdoor unit Single Phase			U-71PZH2E5	U-100PZH2E5	U-125PZH2E5	U-140PZH2E5	—	—
Outdoor unit Three Phase			U-71PZH2E8	U-100PZH2E8	U-125PZH2E8	U-140PZH2E8	U-200PZH2E8	U-250PZH2E8
Cooling capacity	Nominal (Min - Max)	kW	7.1 [2.2 - 9.0]	10.0 [3.1 - 12.5]	12.5 [3.2 - 14.0]	14.0 [3.3 - 16.0]	20.0 [5.7 - 22.4]	25.0 [6.1 - 28.0]
Heating capacity	Nominal (Min - Max)	kW	8.0 [2.0 - 9.0]	11.2 [3.1 - 14.0]	14.0 [3.2 - 16.0]	16.0 [3.3 - 18.0]	22.4 [5.0 - 25.0]	28.0 [5.5 - 31.5]
Power source	Single Phase	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	—	—
	Three Phase	V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Connection indoor / outdoor		mm ²	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5	—	—
Air volume	Cool / Heat	m ³ /min	61/60	118/108	125/122	129/116	164/164	160/160
Sound pressure	Cool / Heat (Hi)	dB(A)	48/50	52/52	53/53	54/54	59/61	59/63
Sound power	Cool / Heat (Hi)	dB	65/67	69/69	70/70	71/71	77/79	78/82
Dimension	H x W x D	mm	996 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1416 x 940 x 340	1500 x 980 x 370	1500 x 980 x 370
Net weight		kg	68	99	99	99	117	128
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	1/2 [12.70]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	1 [25.40]	1 [25.40]
Pipe length range	Min ~ Max	m	5 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85	5 ~ 80	5 ~ 60
Elevation difference (in/out)	Max	m	30	30	30	30	30	30
Pipe length for additional gas		m	30	30	30	30	30	30
Additional gas amount		g/m	45	45	45	45	60	80
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.95/1.316	3.05/2.059	3.05/2.059	3.05/2.059	4.20/2.835	5.20/3.51
Operating range	Cool Min ~ Max	°C	-15 ~ +46	-20 ¹⁾ ~ +46	-20 ¹⁾ ~ +46	-20 ¹⁾ ~ +46	-15 ~ +46	-15 ~ +46
	Heat Min ~ Max	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24	-20 ~ +24
Outdoor unit Single Phase Price		£	1520	2024	2193	2560	—	—
Outdoor unit Three Phase Price		£	1566	2056	2292	2834	2992	3319

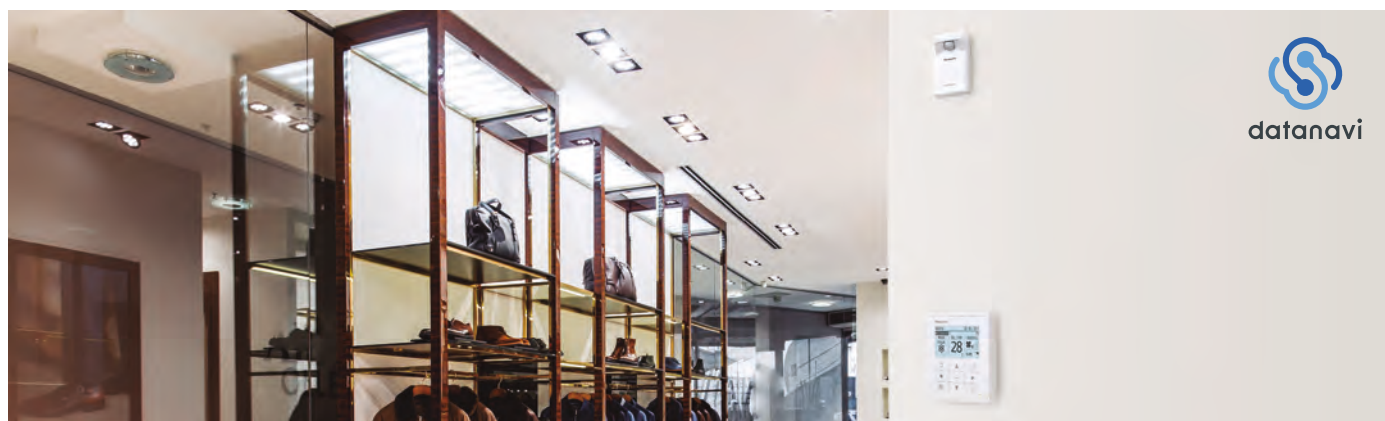
7) For models 100 ~ 140PZH2E5(8), it is possible to operate the lowest -20°C in the computer rooms with the piping length of 30m or less.



PACi Standard Outdoor units • R32 Refrigerant			7.1kW	10.0kW	12.5kW	14.0kW
Outdoor unit Single Phase			U-71PZ2E5	U-100PZ2E5	U-125PZ2E5	U-140PZ2E5
Outdoor unit Three Phase			—	U-100PZ2E8	U-125PZ2E8	U-140PZ2E8
Cooling capacity	Nominal (Min - Max)	kW	7.1	10.0 [3.0 - 11.5]	12.5 [3.2 - 13.5]	14.0 [3.3 - 15.0]
Heating capacity	Nominal (Min - Max)	kW	7.1	10.0 [3.0 - 14.0]	12.5 [3.3 - 15.0]	14.0 [3.4 - 16.0]
Power source	Single Phase	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
	Three Phase	V	—	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
Connection indoor / outdoor		mm ²	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5	2 x 1.5 or 2.5
Air volume	Cool / Heat	m ³ /min	50/45	76/70	86/78	89/83
Sound pressure	Cool / Heat (Hi)	dB(A)	49/49	52/52	55/55	56/56
Sound power	Cool / Heat (Hi)	dB	69/69	70/70	73/73	74/74
Dimension	H x W x D	mm	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
Net weight		kg	44	90	94	94
Piping connections	Liquid pipe	Inch (mm)	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
Pipe length range	Min ~ Max	m	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in/out)	Max	m	30	30	30	30
Pipe length for additional gas		m	30	30	30	30
Additional gas amount		g/m	35	45	45	45
Refrigerant (R32) / CO ₂ Eq.		kg / T	1.45/0.979	2.60/1.755	2.98/2.0115	2.98/2.0115
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-15 ~ +24	-15 ~ +24	-15 ~ +24	-15 ~ +24
Outdoor unit Single Phase Price		£	1015	1359	1524	2054
Outdoor unit Three Phase Price		£	—	1442	1604	2078

Remote controller with Econavi and datanavi

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

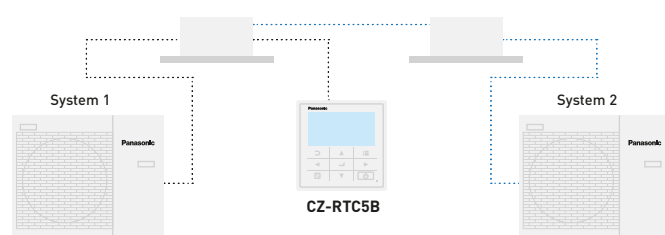


Key Functions

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

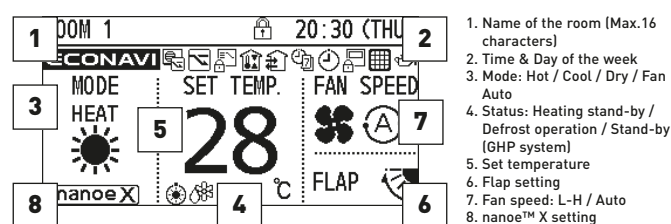
Backup control by using CZ-RTC5B

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



Basic function (operation display and indication)

All functions are easily available on the remote controller.



Functions available on the CZ-RTC5B

Control item	Controllability	Indoor units	
		PACi	VRF
Basic Operation	Operation, Mode, Temperature setting, Airflow volume, Airflow direction	✓	✓
Timer function	Time display	✓	✓
	Easy ON/OFF timer	✓	✓
	Weekly Program timer	✓	✓
	Outing function	✓	✓
	Temperature auto return	✓	✓
Energy saving	Temperature setting range limitation	✓	✓
	OFF remind	✓	✓
	Energy saving mode	✓	✓
	Schedule demand control	✓	✓
	Energy monitoring - R32	✓	—

Control item	Controllability	Indoor units	
		PACi	VRF
Maintenance	System failure information	✓	✓
	Service contact registration	✓	✓
	Filter sign (rest time display) & Reset	✓	✓
	Auto-address, Test run	✓	✓
	Sensor value monitor	✓	✓
	Simple / Detail setting mode	✓	✓
	Key lock	✓	✓
Others	Ventilation fan control	✓	✓
	Display contrast adjustment	✓	✓
	Remote controller sensor	✓	✓
	Quiet operation mode	✓ ¹⁾	—
	Prohibit setting control from Central controller	✓	✓

All specifications subject to change without notice.



Wall	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume	Price
		kW	kW	H x W x D	Hi / Med / Lo	Hi / Med / Lo	
				mm	dB(A)	m³/min	
3.6kW	S-36PK2E5B	3.6	4.2	302 x 1120 x 236	35/31/27	11.00/9.50/7.50	620
4.5kW	S-45PK2E5B	4.5	5.2	302 x 1120 x 236	38/34/30	12.00/10.50/8.50	648
5.0kW	S-50PK2E5B	5.0	5.6	302 x 1120 x 236	40/36/32	14.00/12.00/10.50	653
6.0kW	S-60PK2E5B	6.0	7.0	302 x 1120 x 236	47/44/40	18.00/14.50/11.50	673
7.1kW	S-71PK2E5B	7.1	8.0	302 x 1120 x 236	47/44/40	18.00/14.50/11.50	816
10.0kW	S-100PK2E5B	10.0	11.2	302 x 1120 x 236	47/44/40	19.00/16.50/13.00	862

4 Way 60x60 Cassette	Indoor (Panels CZ-KPY3AW / CZ-KPY3BW)	Cooling capacity	Heating capacity	Dimension: Indoor / CZ-KPY3AW / CZ-KPY3BW	Sound pressure	Air volume	Indoor Price	Panel Price
		kW	kW	H x W x D	Hi / Med / Lo	Hi / Lo	£	£
				mm	dB(A)	m³/min		
3.6kW	S-36PY2E5B	3.6	4.2	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	36/32/26	9.70/9.90	591	201
4.5kW	S-45PY2E5B	4.5	5.2	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	38/34/28	10.00/10.30	621	201
5.0kW	S-50PY2E5B	5.0	5.6	288 x 583 x 583 / 31 x 700 x 700 / 31 x 625 x 625	40/37/33	11.10/11.10	654	201

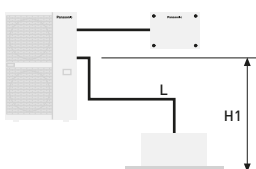
4 Way 90x90 Cassette	Indoor (Panels CZ-KPU3W / CZ-KPU3AW)	Cooling capacity	Heating capacity	Dimension Indoor	Dimension Panel	Sound pressure	Air volume	Price	Panel Price
		kW	kW	H x W x D	H x W x D	Hi / Med / Lo	Hi / Med / Lo	£	£
				mm	mm	dB(A)	m³/min		
3.6kW	S-36PU2E5B	3.6	4.2	256 x 840 x 840	33.5 x 950 x 950	30/28/27	14.50/13.00/11.50	411	176 / 220
4.5kW	S-45PU2E5B	4.5	5.2	256 x 840 x 840	33.5 x 950 x 950	31/28/27	15.50/13.00/11.50	481	176 / 220
5.0kW	S-50PU2E5B	5.0	5.6	256 x 840 x 840	33.5 x 950 x 950	32/29/27	16.50/13.50/11.50	591	176 / 220
6.0kW	S-60PU2E5B	6.0	7.0	256 x 840 x 840	33.5 x 950 x 950	38/31/28	21.00/16.00/13.00	801	176 / 220
7.1kW	S-71PU2E5B	7.1	8.0	256 x 840 x 840	33.5 x 950 x 950	37/31/28	22.00/16.00/13.00	870	176 / 220
10.0kW	S-100PU2E5B	10.0	11.2	319 x 840 x 840	33.5 x 950 x 950	45/38/32	36.00/26.00/18.00	937	176 / 220
12.5kW	S-125PU2E5B	12.5	14.0	319 x 840 x 840	33.5 x 950 x 950	46/39/33	37.00/27.00/19.00	937	176 / 220
14.0kW	S-140PU2E5B	14.0	14.0	319 x 840 x 840	33.5 x 950 x 950	47/40/34	38.00/29.00/20.00	948	176 / 220

Ceiling	Indoor	Cooling capacity	Heating capacity	Dimension	Sound pressure	Air volume	Price
		kW	kW	H x W x D	Hi / Med / Lo	Hi / Med / Lo	
				mm	dB(A)	m³/min	
3.6kW	S-36PT2E5B	3.6	4.2	235 x 960 x 690	35/32/30	14.00/12.00/10.50	712
4.5kW	S-45PT2E5B	4.5	5.2	235 x 960 x 690	38/33/30	15.00/12.50/10.50	749
5.0kW	S-50PT2E5B	5.0	5.6	235 x 960 x 690	38/33/30	15.00/12.50/10.50	787
6.0kW	S-60PT2E5B	6.0	7.0	235 x 1275 x 690	39/36/33	20.00/17.00/14.50	859
7.1kW	S-71PT2E5B	7.1	8.0	235 x 1275 x 690	39/36/33	21.00/18.00/15.50	919
10.0kW	S-100PT2E5B	10.0	11.2	235 x 1590 x 690	42/38/35	30.00/25.00/23.00	1160
12.5kW	S-125PT2E5B	12.5	14.0	235 x 1590 x 690	45/40/37	34.00/28.00/24.00	1360
14.0kW	S-140PT2E5B	14.0	14.0	235 x 1590 x 690	47/41/37	35.00/29.00/25.00	1478

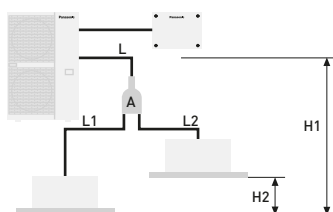
High Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume	Price
		kW	kW	H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo	£
				mm	Pa	dB(A)	m³/min	
3.6kW	S-36PF1E5B	3.6	4.2	290 x 800 x 700	150/70/10	33/29/25	14.00/13.00/10.00	589
4.5kW	S-45PF1E5B	4.5	5.2	290 x 800 x 700	150/70/10	34/30/26	14.00/13.00/10.00	624
5.0kW	S-50PF1E5B	5.0	5.6	290 x 800 x 700	150/70/10	34/30/26	16.00/15.00/12.00	674
6.0kW	S-60PF1E5B	6.0	7.0	290 x 1000 x 700	150/70/10	35/32/26	21.00/19.00/15.00	724
7.1kW	S-71PF1E5B	7.1	8.0	290 x 1000 x 700	150/70/10	35/32/26	21.00/19.00/15.00	967
10.0kW	S-100PF1E5B	10.0	11.2	290 x 1400 x 700	150/100/10	38/34/31	32.00/26.00/21.00	1043
12.5kW	S-125PF1E5B	12.5	14.0	290 x 1400 x 700	150/100/10	39/35/32	34.00/29.00/23.00	1213
14.0kW	S-140PF1E5B	14.0	14.0	290 x 1400 x 700	150/100/10	40/36/33	36.00/32.00/25.00	1233

Low Static Pressure Hide Away	Indoor	Cooling capacity	Heating capacity	Dimension	External static pressure	Sound pressure	Air volume	Price
		kW	kW	H x W x D	Hi / Med / Lo	Hi / Med / Lo	Hi / Med / Lo	£
				mm	Pa	dB(A)	m³/min	
3.6kW	S-36PN1E5B	3.6	4.2	250 x 780 x 650	80/50/10	40/38/35	14.00/12.00/10.00	561
4.5kW	S-45PN1E5B	4.5	5.2	250 x 780 x 650	80/50/10	41/39/35	16.00/13.00/11.00	595
5.0kW	S-50PN1E5B	5.0	5.6	250 x 780 x 650	80/50/10	41/39/35	16.00/13.00/11.00	643
6.0kW	S-60PN1E5B	6.0	7.0	250 x 1000 x 650	80/50/10	43/41/36	22.00/20.00/16.00	693
7.1kW	S-71PN1E5B	7.1	8.0	250 x 1000 x 650	80/50/10	43/41/36	22.00/20.00/16.00	934
10.0kW	S-100PN1E5B	10.0	11.2	250 x 1200 x 650	80/50/10	44/42/37	36.00/33.00/26.00	1002
12.5kW	S-125PN1E5B	12.5	14.0	250 x 1200 x 650	80/50/10	46/44/39	38.00/35.00/28.00	1202
14.0kW	S-140PN1E5B	14.0	14.0	250 x 1200 x 650	80/50/10	46/44/39	40.00/37.00/30.00	1223

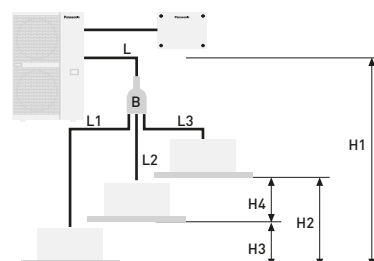
Single



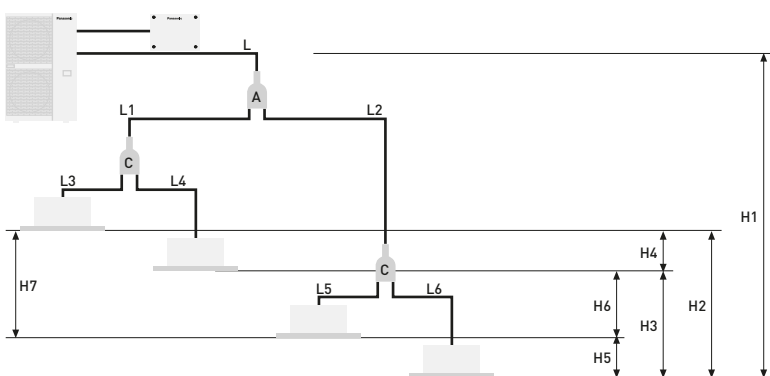
Twin



Triple



Double-twin



PACi Standard Twin System from 7.1 to 14.0kW

Joint distribution (sold separately)
A= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 7.1 to 14.0kW

Joint distribution (sold separately)
A= CZ-P224BK2BM
B= CZ-P3HPC2BM
C= CZ-P224BK2BM

PACi Elite Twin, Triple and Double-Twin System from 20.0 to 25.0kW

Joint distribution (sold separately)
A= CZ-P680BK2BM
B= CZ-P3HPC2BM
C= CZ-P224BK2BM

Twin System	PACi Standard Single and Twin System from 7.1 to 14.0kW			PACi Elite Twin, Triple and Double-Twin System from 7.1 to 25kW					
	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 14.0kW	Equivalent lengths and height differences (m) for outdoor unit sizes from 20.0 to 25.0kW
	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	U-200: ≤ 100m U-250: ≤ 80m
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	–	U-200: 90m U-250: 60m
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	≤ 15m
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 7.1 to 14.0kW				PACi Elite Twin, Triple and Double-Twin System from 7.1 to 14.0kW						PACi Elite Twin, Triple and Double-Twin System from 20.0 to 25.0kW				
	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 ²⁾	
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 12.70	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 12.70	Ø 9.52	Ø 6.35	Ø 9.52
Gas pipe (mm)	Ø 15.88	Ø 15.88	Ø 12.70	Ø 15.88	Ø 15.88	Ø 12.70	Ø 12.70	Ø 12.70	Ø 12.70	Ø 15.88	Ø 15.88	Ø 25.40	Ø 25.40	Ø 15.88	Ø 12.70
Additional gas amount (g/m)	50	50	20	50	50	20	20	20	50	50	60	80	45	20	45

1) Total capacity of indoor unit connected after the branch. 2) 4 Way Cassette type.

Make additional charges by adding up tube length in an order of main tube (L) → branch tube (L1 → L2 → L3 wide diameter) and then selecting the amount of refrigerant corresponding to the remaining (after charge-less tube length : 30m) liquid tube diameter and tube length from the above table.

Panasonic Ventilation Solutions

Increase the efficiency of an installation with the use of AHU ventilation and a wide range of air curtains.



Electric Air Curtain

			FY-3009U1	FY-3012U1	FY-3015U1
Width	mm		900	1200	1500
Voltage	V		220	220	220
Air volume	Hi / Lo	m³/h	1100/920	1400/1270	2000/1800
Consumption	Hi / Lo	W	76/70	94/85	131/110
Current	Hi / Lo	A	0.35/0.32	0.43/0.40	0.59/0.50
Air speed	Hi / Lo	m/s	10.50/8.50	9.50/8.00	10.50/9.50
Sound pressure		dB(A)	48.5/45.0	48.5/44.5	51.5/48.0
Dimension / Net weight	HxWxD	mm / kg	900x231.5x212/12.0	1200x231.5x212/14.5	1500x231.5x212/18.0
Price		£	625	700	820



Air Curtain with DX Coil

Outdoor unit			7.1kW	10.0kW	14.0kW	20.0kW
Air outlet height 2.7m			PAW-10PAIRC-LS	PAW-15PAIRC-LS	PAW-20PAIRC-LS	PAW-25PAIRC-LS
Air volume	High	m³/h	1800	2700	3600	4500
Cooling capacity ¹⁾	Max	kW	6.1	9.7	13.0	17.0
Heating capacity ²⁾	Max	kW	7.9	12.0	15.0	19.0
Heat Exchanger	Volume	L	1.67	2.85	3.94	5.03
Piping connections	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)
Electric consumption fan	230V / 50Hz	kW	0.30	0.50	0.60	0.80
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	2.10	3.10	4.10	5.10
Sound pressure ³⁾	Max	dB(A)	65	66	67	69
Dimension ⁴⁾	H x W x D	mm	260 (+140) x 1000 x 460	260 (+140) x 1500 x 460	260 (+140) x 2000 x 460	260 (+140) x 2500 x 460
Weight		kg	50	65	80	95
Door width		m	1.0	1.5	2.0	2.5
Refrigerant			R32 / R410A	R32 / R410A	R32 / R410A	R32 / R410A
Price		£	6445	7518	8476	9497

Outdoor unit			10.0kW	14.0kW	20.0kW	25.0kW
Air outlet height 3.0m			PAW-10PAIRC-HS	PAW-15PAIRC-HS	PAW-20PAIRC-HS	PAW-25PAIRC-HS
Air volume	High	m³/h	2700	3600	5400	6300
Cooling capacity ¹⁾	Max	kW	9.1	13.0	19.5	23.7
Heating capacity ²⁾	Max	kW	11.8	15.8	23.6	27.6
Heat Exchanger	Volume	L	1.67	2.85	3.94	5.12
Piping connections	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)
Electric consumption fan	230V / 50Hz	kW	0.75	1.00	1.50	1.75
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	4.10	5.50	8.20	9.60
Sound pressure ³⁾	Max	dB(A)	66	67	68	68
Dimension ⁴⁾	H x W x D	mm	260 (+140) x 1000 x 460	260 (+140) x 1500 x 460	260 (+140) x 2000 x 460	260 (+140) x 2500 x 460
Weight		kg	55	65	85	110
Door width		m	1.0	1.5	2.0	2.5
Refrigerant			R32 / R410A	R32 / R410A	R32 / R410A	R32 / R410A
Price		£	6717	7732	8851	9693

Accessories		Price £
PAW-AIR1-DP	Optional drain pump	440

1) Cooling capacity DX Coil, air temperature in/out +27/+18°C, R32 and R410. 2) Heating capacity condenser, air temperature in/out +20/+33°C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary. 3) Measured in distance up to 5,0m, direction factor 2, absorbing surfaces 200m², Min / Max air volume. 4) 140mm is the height of an electrical box if it is installed on the top.



AHU Connection Kit

		Price £
PAW-280PAH2	AHU Kit for 3.6 to 25kW (IP 65. 0-10V demand control*. Outdoor temperature shift compensation. Cold draft prevention)	1392
PAW-280PAH2M	AHU Kit for 3.6 to 25kW (IP 65. 0-10V demand control*)	1183
PAW-280PAH2L	AHU Kit for 3.6 to 25kW (IP 65)	1057

* With CZ-CAPBC2.

Accessories and Control

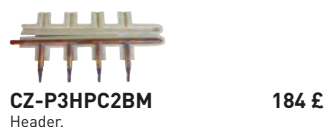
Branch Pipes, Header



CZ-P224BK2BM 70 £
Branch pipe.



CZ-P680BK2BM 140 £
Branch pipe (from 22.4kW to 68kW).



CZ-P3HPC2BM 184 £
Header.

Outdoor accessories



PAW-WTRAY 117 £
Tray for condenser water compatible with outdoor elevation platform.



PAW-GRDSTD40 117 £
Outdoor elevation platform 400 x 900 x 400mm.



PAW-GRDBSE20 107 £
Outdoor base ground support for noise and vibration absorption.

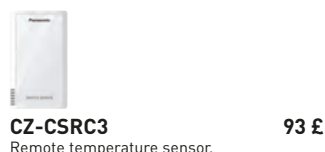
Other Accessory



CZ-CNEXU1 125 £
nanoe™ X device for 4 Way 90x90 Cassette.



CZ-CENSC1 128 £
Econavi energy savings sensor.

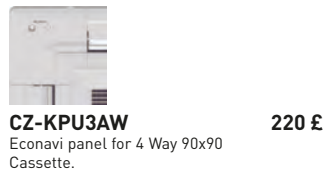


CZ-CSRC3 93 £
Remote temperature sensor.

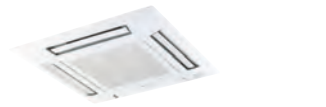
Panels



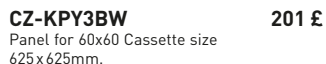
CZ-KPU3W 176 £
Standard panel for 4 Way 90x90 Cassette.



CZ-KPU3AW 220 £
Econavi panel for 4 Way 90x90 Cassette.

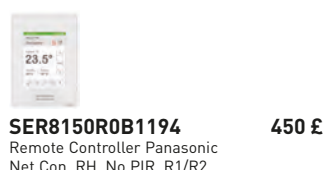


CZ-KPY3AW 201 £
Panel for 60x60 Cassette size 700 x 700mm.

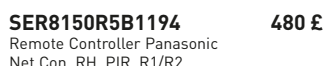


CZ-KPY3BW 201 £
Panel for 60x60 Cassette size 625 x 625mm.

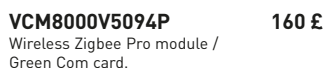
VRF Smart Connectivity+



SER8150R0B1194 450 £
Remote Controller Panasonic Net Con, RH, No PIR, R1/R2.



SER8150R5B1194 480 £
Remote Controller Panasonic Net Con, RH, PIR, R1/R2.



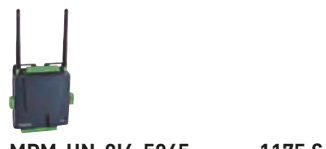
VCM8000V5094P 160 £
Wireless Zigbee Pro module / Green Com card.



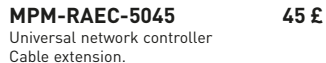
SEC-TEA-R-230-5045 740 £
Smart Terminal Controller ZigBee Pro High Power, External Antenna, 4UI/4AO/5DO, 220-240VAC.



SEC-TEA-R-24-5045 660 £
Smart Terminal Controller ZigBee Pro High Power, External Antenna, 4UI/4AO/5DO, 24VAC.



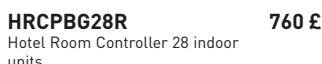
MPM-UN-014-5045 1175 £
Universal network controller with Building Expert and StruXureWare integration, High Power, 6 I / 6 O, Modbus.



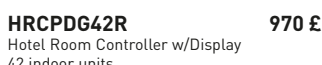
MPM-RAEC-5045 45 £
Universal network controller Cable extension.



HRCEP14R 285 £
Hotel Room Expansion Module 14 indoor units.



HRCPBG28R 760 £
Hotel Room Controller 28 indoor units.



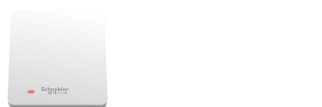
HRCPDG42R 970 £
Hotel Room Controller w/Display 42 indoor units.



SED-WDC-G-5045 185 £
Door / window wireless sensor.



SED-MTH-G-5045 225 £
Wall / ceiling (motion) wireless sensor.



SED-CO2-G-5045 125 £
CO₂ sensor.

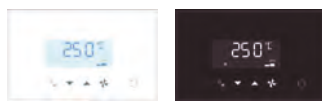


SED-TRH-G-5045 TBC £
Sensor with room temperature and humidity.

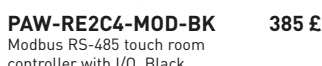


SED-WLS-G-5045 175 £
Water leakage sensor.

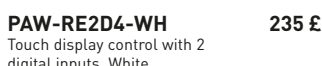
Controller and touch controllers for Hotels with Dry Contacts



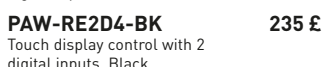
PAW-RE2C4-MOD-WH 385 £
Modbus RS-485 touch room controller with I/O, White.



PAW-RE2C4-MOD-BK 385 £
Modbus RS-485 touch room controller with I/O, Black.



PAW-RE2D4-WH 235 £
Touch display control with 2 digital inputs, White.

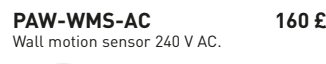


PAW-RE2D4-BK 235 £
Touch display control with 2 digital inputs, Black.

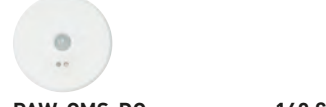
Hotel sensors for Dry Contacts



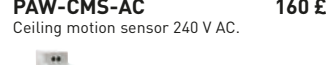
PAW-WMS-DC 160 £
Wall motion sensor 24V.



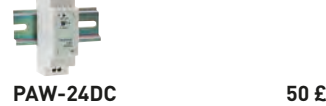
PAW-WMS-AC 160 £
Wall motion sensor 240 V AC.



PAW-CMS-DC 160 £
Ceiling motion sensor 24V.



PAW-CMS-AC 160 £
Ceiling motion sensor 240 V AC.



PAW-24DC 50 £
Power supply 24V.

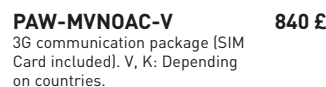


PAW-DWC 15 £
Door or window contact.

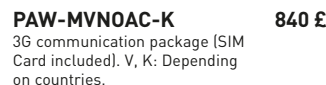
Panasonic AC Smart Cloud



CZ-CFUSCC1 1300 £
Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.



PAW-MVNOAC-V 840 £
3G communication package (SIM Card included). V, K: Depending on countries.



PAW-MVNOAC-K 840 £
3G communication package (SIM Card included). V, K: Depending on countries.

Centralised controls. Connection with 3rd party controller



CZ-CAPDC2* 517 £
Serial parallel device controlling outdoor units, up to 4 units.



CZ-CAPC3 285 £
Adaptor for ON/OFF control of external devices.



CZ-CAPBC2*
Mini series parallel device
controlling indoor units,
maximum 1 group and 8 indoor
unit.

155 £



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

1050 £

Accessories interfaces



CZ-CAPWFC1
Commercial WLAN Adaptor.

151 £



PAW-AC2-MBS-16P
Modbus Interface for 16 indoors.

1950 £

PAW-AC2-MBS-64P
Modbus Interface for 64 indoors.

2800 £

PAW-AC2-MBS-128P
Modbus Interface for 128
indoors.

3750 £

PAW-AC2-KNX-16P
KNX Interface for 16 indoors.

1950 £

PAW-AC2-KNX-64P
KNX Interface for 64 indoors.

2800 £

PAW-AC2-BAC-16P
BACnet Interface for 16
indoors.

1950 £

PAW-AC2-BAC-64P
BACnet Interface for 64
indoors.

2800 £

PAW-AC2-BAC-128P
BACnet Interface for
128 indoors.

3750 £



PAW-RC2-KNX-1i
KNX Interface.

300 £



PAW-RC2-MBS-1
Modbus Interface.

300 £



PAW-RC2-MBS-4
Modbus interface to control 4
indoor/groups.

700 £



PAW-MBS-TCP2RTU
ModBus RTU Slave devices.

850 £



PAW-RC2-BAC-1
BACnet Interface.

500 £



CZ-TACG1
Panasonic Comfort Cloud for
internet control.

97 £



CZ-CAPRA1
RAC interface adapter for
integration into P-Link, plus
external input and alarm/status
output.

138 £

Individual controls



CZ-RTC6
NEW Wired remote controller
(non-wireless) [available from
Spring 2020].

124 £

CZ-RTC6BL
NEW Wired remote controller
with Bluetooth [available from
Spring 2020].

149 £

CZ-RTC6BLW**
NEW Wired remote controller
with WLAN & Bluetooth
[available from Autumn 2020].

210 £



CZ-RTC5B
Design wired remote controller
with Econavi function and
datanavi.

104 £



CZ-RWS3 + CZ-RWRU3W
Infrared remote controller for 4
Way 90x90 Cassette.

93 +

145 £



CZ-RWS3
Infrared remote controller for
Wall-mounted and 4 Way 60x60
with panel.

93 £



CZ-RWS3 + CZ-RWRT3
Infrared remote controller for
Ceiling.

93 +
145 £

CZ-RWS3 + CZ-RWRC3
Infrared remote controller for all
indoor units.

93 +
145 £

PAW-OCT*
Cable for all option monitoring
signals.

40 £

PAW-EXCT*
Cable with force Thermo OFF/
leakage Detection.

40 £

* Not compatible with PACi NX Series.
** Only compatible with PACi NX Series.

Centralised controls



CZ-64ESMC3
System Controller with Schedule
timer. Operation with various
function from center station.

665 £



CZ-ANC3
Central ON/OFF controller, up to
16 groups, 64 indoor units.

450 £



CZ-256ESMC3
Simplified load distribution ratio
(LDR) for each tenant. Intelligent
Controller [Touch screen panel].

2500 £

Accessories PCB



PAW-PACR3*
PCB for server room application,
control of 3 PACi units,
redundancy, backup, etc.

1500 £



PAW-SERVER-PKEA
Redundancy of 2 units PKEA or
TKEA.

204 £

Accessories cables



PAW-FDC*
Cable to operate external EC fan.

40 £

ECO *i* EXECO *i*

ECO G

Commercial VRF Systems

Professional solutions for all types of commercial projects.

The 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.

Mini ECOi LE Series.

The Mini ECOi combines smartly compact body with high specifications. It delivers high levels of energy-saving, powerful operation, reliability and comfort.



VRF Systems ECOi EX.

A game-changing VRF system delivering outstanding energy saving performance. Taking quality to the extreme -that's the challenge by Panasonic.

ECO G 3 Series. + GHP/EHP Hybrid system.

Upgraded Gas Driven VRF - ECO G 3 Series. 3-Pipe ECO G GF3 provides free hot water effectively using waste heat generated by heating and cooling. Let's also take an advantage of Gas and Electricity with GHP/EHP Hybrid solution.



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. AC Smart Cloud offers continuous improvement always thinking about users.



Range of VRF outdoor units

Page	Outdoor units	4HP	5HP	6HP	8HP	10HP	12HP
P. 92	Mini ECOi LE2 / LE1 Series						
		U-4LE2E5 / U-4LE2E8	U-5LE2E5 / U-5LE2E8	U-6LE2E5 / U-6LE2E8	U-8LE1E8	U-10LE1E8	
P. 94	2-Pipe ECOi EX ME2 Series						
					U-8ME2E8	U-10ME2E8	U-12ME2E8
P. 100	3-Pipe ECOi EX MF3 Series						
					U-8MF3E8	U-10MF3E8	U-12MF3E8
P. 105	2-Pipe ECO G GE3 Series						
P. 107	3-Pipe ECO G GF3 Series						
P. 108	GHP/EHP Hybrid System						

14HP

16HP

18HP

20HP

25HP

30HP



U-14ME2E8



U-16ME2E8



U-18ME2E8



U-20ME2E8



U-14MF3E8



U-16MF3E8



U-16GE3E5



U-20GE3E5



U-25GE3E5



U-30GE3E5



U-16GF3E5



U-20GF3E5



U-25GF3E5



U-20GES3E5 / U-10MES2E8

Mini ECOi LE Series

ECO*i*

For light commercial & residential use. The most flexible VRF system ever. Meeting the needs of light commercial applications.



1 Efficiency energy control

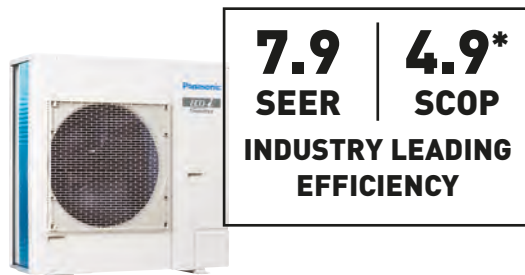
Upgraded outdoor units deliver high efficiency rating and reduced energy costs.

2 Space saving

Ideal for commercial locations with limited space such as banks and shops. Compact units integrate easily and discreetly into building design.

3 Flexible installation

Reduced installation time thanks to compact units and extra long piping without additional refrigerant charge. High external static pressure 35Pa and small chassis increase installation options.



Compact design: LE2 Series - 4 / 5 / 6HP

- Extraordinary energy saving: 7.9 SEER and 4.9 SCOP (4HP)*
- 50 m piping length without additional refrigerant charge
- Quiet operation mode with 4 levels
- High COP mode option

* SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) × PEF.

LE1 Series - 8 / 10HP

- 60% smaller than ECOi ME2 8 / 10HP with vertical flow type
- Flexible piping length (Total: 300m, Furthest: 150m)
- Maximum number of connectable indoor units: 15

Key features for LE2 / LE1.

High external static pressure 35Pa — Full range of ECOi indoor units and controllers — Variable evaporation temperature control as standard — Connectable maximum indoor / outdoor capacity ratio up to 130% — Auto restart from outdoor units — Demand response (Peak cut) by optional parts — Suitable for R22 renewable projects


**COMPACT
DESIGN**

Mini ECOi LE Series

HP			4HP	5HP	6HP	4HP	5HP	6HP	8HP	10HP
Outdoor units			U-4LE2E5	U-5LE2E5	U-6LE2E5	U-4LE2E8	U-5LE2E8	U-6LE2E8	U-8LE1E8	U-10LE1E8
Power supply	Voltage	V	220-230-240	220-230-240	220-230-240	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Single Phase	Single Phase	Single Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity	kW		12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0
EER ¹⁾	W/W		4.50	4.06	3.73	4.50	4.06	3.73	3.80	3.11
SEER ²⁾			7.9	7.5	7.3	7.9	7.5	7.3	6.3	6.4
Running current cooling	A		13.30/12.70/12.20	16.30/15.60/17.00	20.30/19.40/18.60	4.39/4.17/4.02	5.58/5.30/5.11	6.71/6.37/6.14	9.60/9.15/8.80	14.70/14.00/13.50
Input power cooling	kW		2.69	3.45	4.15	2.69	3.45	4.15	5.89	9.00
Heating capacity	kW		12.5	16.0	16.5	12.5	16.0	16.5	25.0	28.0
COP ¹⁾	W/W		5.19	4.60	4.27	5.19	4.60	4.27	4.02	3.93
SCOP ²⁾			4.9	4.4	4.2	4.9	4.4	4.2	4.2	4.3
Running current heating	A		12.20/11.60/11.20	17.60/16.80/16.10	19.10/18.20/17.50	3.98/3.78/3.64	5.62/5.34/5.14	6.24/5.93/5.71	10.20/9.65/9.30	11.60/11.10/10.70
Input power heating	kW		2.41	3.48	3.86	2.41	3.48	3.86	6.22	7.13
Starting current	A		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Maximum current	A		17.30	24.30	27.40	7.90	10.10	10.70	13.70	19.60
Maximum input power	kW		3.50/3.66/3.82	4.92/5.14/5.37	5.61/5.86/6.12	4.34/5.09/5.28	6.25/6.55/6.82	6.62/6.97/7.23	9.16	13.10
Maximum number of connectable indoor units			7(10) ³⁾	8(10) ³⁾	9(12) ³⁾	7(10) ³⁾	8(10) ³⁾	9(12) ³⁾	15 ⁴⁾	15 ⁴⁾
External static pressure	Pa		0~35	0~35	0~35	0~35	0~35	0~35	0~35	0~35
Air volume	m ³ /min		69	72	74	69	72	74	150	160
Sound pressure	Cool	dB(A)	52	53	54	52	53	53	60	63
	Cool (Silent1/2/3/4)	dB(A)	50.5/49/47/45	51.5/50/48/46	52.5/51/48/46	50.5/49/47/47	48.5/50/48/46	48.5/50/48/46	57/55/53	60/58/56
	Heat	dB(A)	54	56	56	54	56	56	64	65
Sound power	Cool / Heat	dB	69/72	71/75	73/75	69/72	71/75	73/75	81/85	84/86
Dimension	H x W x D	mm	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	1500 x 980 x 370	1500 x 980 x 370
Net weight	kg		106	106	106	106	106	106	132	133
Piping connections	Liquid pipe	Inch (mm)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52) ⁵⁾ 1/2(12.70) ⁴⁾	3/8(9.52) ⁵⁾ 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)	5/8(15.88)	5/8(15.88)	3/4(19.05) ⁵⁾ 7/8(22.22) ⁴⁾	7/8(22.22) ⁵⁾ 1(25.40) ⁴⁾
Maximum piping length (total)	m		150(180)	150(180)	150(180)	150(180)	150(180)	150(180)	7.5~150 (7.5~300)	7.5~150 (7.5~300)
Elevation difference (in/out)	m		50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)	50(Outdoor unit upper)/ 40(Outdoor unit lower)
Refrigerant (R410A) / CO ₂ Eq.	kg / T		6.70(14.40)/ 13.9896	6.70(14.40)/ 13.9896	6.70(14.40)/ 13.9896	6.70(14.40)/ 13.9896	6.70(14.40)/ 13.9896	6.70(14.40)/ 13.9896	6.30(24.00)/ 13.1544	6.60(24.00)/ 13.7808
Maximum allowable indoor / outdoor capacity ratio	%		50~130	50~130	50~130	50~130	50~130	50~130	50~130	50~130
Operating range	Cool Min ~ Max	°C	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46	-10 ~ +46
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
Price	£		3102	3325	3685	3322	3758	4046	5272	5782

1) EER and COP calculation is based in accordance to EN14511. 2) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η₁ + Correction) x PEF. 3) In case of 1.5kW indoor unit's connection, able to connect maximum 12 indoor units. 4) If the heating utilized, it is necessary to increase 1 size with respect to the main liquid pipe, depending on the combination of the indoor unit. 5) Under 90m for ultimate indoor unit. 6) Over 90m for ultimate indoor unit. If the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas and liquid pipes.



INTERNET CONTROL: Optional.



2-Pipe ECOi EX ME2 Series



Energy-saving performance, powerful operation, reliability and comfort surpassing anything previously possible.



High performance at extreme conditions

ECOi EX is highly reliable, with strong cooling and heating power, even when operating at extreme ambient temperatures. The units can operate at 100% of capacity at 43°C, reaching a great cooling operation up to 52°C and in heating -25°C.

Also, the ECOi EX features include Bluefin in newly designed heat exchanger improving efficiency as well in marine ambient. A silicone coated PCB (Printed Circuit Board) protects the unit from being damaged by environmental factors such as moisture and dust.

Superior flexibility

With its up to 1000 meters of pipeline, its maximum 30 meters height difference between indoor units and maximum 90 meters between outdoor unit and indoor unit, the design possibilities have grown exponentially making the new ECOi EX the ideal air conditioning option for expansive buildings, such as train stations, airports, schools or hospitals. These advantages are enhanced with the wide range of indoor unit models and capacities facilitating the perfect adaptation to all kind of projects. The careful selection of controls and peripherals such as the Pump Down, the AHU and/or the chiller, enables an optimum system use. Maximum allowable indoor / outdoor connected capacity ratio of up to 200%.

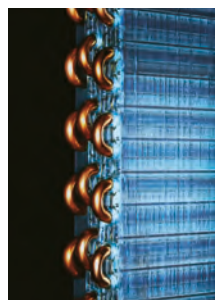
VRF with outstanding energy-saving performance and powerful operation SEER 7,56 (18HP model).

Outstanding efficiency and comfort

The new ECOi EX system is designed to increase energy efficiency by delivering high SEER rating, as well as high efficiency for part-load operations.

The system has reduced energy costs thanks to "All-Inverter Compressors", with independent control to deliver highly flexible performance. Also, the ECOi EX features an enlarged heat exchanger with triple surfaces that allow for improved heat transfer and a newly designed curved air discharge bell-mouth for better aerodynamics. The three-stage oil recovery design makes it able to minimise the frequency of forced oil recovery, leading to reduced energy costs and sustained comfort.

Remarkable improvement on key components: extraordinary energy-saving performance and redesigned for smooth and better air discharge.



Enlarged heat exchanger surface area with triple surface.



Multiple large-capacity all inverter compressors (more than 14HP).



Newly designed curved air discharge bell mouth for better aerodynamics.

* For 8 and 10HP unit, the heat exchanger is 2 row design.



2-Pipe ECOi EX ME2 Series

			8HP	10HP	12HP	14HP	16HP	18HP	20HP
Outdoor units			U-8ME2E8	U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	22.4	28.0	33.5	40.0	45.0	50.0	56.0
EER ¹⁾		W/W	4.70	4.37	3.96	3.88	3.52	3.52	3.35
ESEER		W/W	9.33	8.67	7.94	7.73	7.19	6.95	6.18
SEER ²⁾			7.4	6.8	6.7	7.2	6.4	7.6	7.0
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 ¹⁾		W/W	5.13	4.76	4.73	4.56	4.42	4.38	3.94
SCOP ²⁾			4.8	4.3	4.7	4.3	4.1	4.3	4.1
Running current heating	A		7.56/7.29	10.50/11.10	12.30/11.80	15.80/15.20	17.90/17.30	20.10/19.40	24.60/23.70
Input power heating	kW		4.87	6.62	7.92	9.86	11.30	12.80	16.00
Starting current	A		1.00	1.00	1.00	2.00	2.00	2.00	2.00
External static pressure (Max)	Pa		80	80	80	80	80	80	80
Air volume	m ³ /min		224	224	232	232	232	405	405
Sound pressure	Normal mode	dB(A)	54	56	59	60	61	59	60
	Silent mode	dB(A)	51	53	56	57	58	56	57
Sound power	Normal mode	dB	75	77	80	81	82	80	81
Dimension	HxWxD	mm	1842x770 x1000	1842x770 x1000	1842x1180 x1000	1842x1180 x1000	1842x1180 x1000	1842x1540 x1000	1842x1540 x1000
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) / CO ₂ Eq	kg/T		5.60/11.6928	5.60/11.6928	8.30/17.3304	8.30/17.3304	8.30/17.3304	9.50/19.836	9.50/19.836
Maximum allowable indoor / outdoor capacity ratio % ⁴⁾			50 ~ 130 [200]	50 ~ 130 [200]	50 ~ 130 [200]	50 ~ 130 [200]	50 ~ 130 [200]	50 ~ 130 [200]	50 ~ 130 [200]
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price	£		6722	7216	8647	9742	10527	12576	13213

1) EER and COP calculation is based in accordance to EN14511. 2) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η₁ + Correction) × PEF. 3) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.



2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 18 to 28HP

			18HP	20HP	22HP	24HP	26HP	28HP
Model name			U-8ME2E8	U-10ME2E8	U-10ME2E8	U-12ME2E8	U-10ME2E8	U-12ME2E8
			U-10ME2E8	U-10ME2E8	U-12ME2E8	U-12ME2E8	U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity		kW	50.0	56.0	61.5	68.0	73.0	78.5
EER ¹⁾		W/W	4.55	4.38	4.13	3.93	3.80	3.69
Running current cooling		A	17.30/16.60	20.30/19.60	23.10/22.30	26.60/25.60	30.10/29.00	33.10/31.90
Input power cooling		kW	11.00	12.80	14.90	17.30	19.20	21.30
Heating capacity		kW	56.0	63.0	69.0	76.5	81.5	87.5
COP ¹⁾		W/W	4.96	4.77	4.76	4.69	4.55	4.56
Running current heating		A	17.70/17.10	20.90/20.20	22.70/21.90	25.30/24.40	28.40/27.40	30.10/29.00
Input power heating		kW	11.30	13.20	14.50	16.30	17.90	19.20
Starting current		A	2.00	2.00	2.00	2.00	3.00	3.00
External static pressure [Max]		Pa	80	80	80	80	80	80
Air volume		m ³ /min	448	448	456	464	456	464
Sound pressure	Normal / Silent mode	dB(A)	58.50/55.50	59.00/56.00	61.00/58.00	62.00/59.00	62.50/59.50	63.50/60.50
Sound power	Normal mode	dB	79.50	80.00	82.00	83.00	83.50	84.50
Dimension / Net weight	H x W x D	mm / kg	1842 x 1600 x 1000 / 420	1842 x 1600 x 1000 / 420	1842 x 2010 x 1000 / 480	1842 x 2420 x 1000 / 540	1842 x 2010 x 1000 / 535	1842 x 2420 x 1000 / 585
Piping connections ²⁾	Liquid pipe	Inch (mm)	5/8(15.88)/ 3/4(19.05)	5/8(15.88)/ 3/4(19.05)	5/8(15.88)/ 3/4(19.05)	5/8(15.88)/ 3/4(19.05)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)
	Gas pipe	Inch (mm)	1-1/8(28.58)/ 1-1/4(31.75)	1-1/8(28.58)/ 1-1/4(31.75)	1-1/8(28.58)/ 1-1/4(31.75)	1-1/8(28.58)/ 1-1/4(31.75)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.		kg / T	11.20/23.3856	11.20/23.3856	13.90/29.0232	16.60/34.6608	13.90/29.0232	16.60/34.6608
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price		£	13938	14432	15863	17294	17743	19174

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 30 to 40HP

			30HP	32HP	34HP	36HP	38HP	40HP
Model name			U-14ME2E8	U-16ME2E8	U-10ME2E8	U-12ME2E8	U-10ME2E8	U-12ME2E8
			U-16ME2E8	U-16ME2E8	U-12ME2E8	U-12ME2E8	U-16ME2E8	U-12ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity		kW	85.0	90.0	96.0	101.0	107.0	113.0
EER ¹⁾		W/W	3.68	3.52	4.05	3.95	3.84	3.75
Running current cooling		A	36.60/35.30	40.20/38.70	36.80/35.50	39.30/37.90	43.80/42.20	46.70/45.00
Input power cooling		kW	23.10	25.60	23.70	25.60	27.90	30.10
Heating capacity		kW	95.0	100.0	108.0	113.0	119.0	127.0
COP ¹⁾		W/W	4.48	4.42	4.72	4.73	4.61	4.57
Running current heating		A	33.60/32.40	35.80/34.60	35.90/34.60	37.10/35.80	40.50/39.00	43.60/42.00
Input power heating		kW	21.20	22.60	22.90	23.90	25.80	27.80
Starting current		A	4.00	4.00	3.00	3.00	4.00	4.00
External static pressure [Max]		Pa	80	80	80	80	80	80
Air volume		m ³ /min	464	464	688	696	688	696
Sound pressure	Normal / Silent mode	dB(A)	63.50/60.50	64.00/61.00	63.00/60.00	64.00/61.00	64.00/61.00	64.50/61.50
Sound power	Normal mode	dB	84.50	85.00	84.00	85.00	85.00	85.50
Dimension / Net weight	H x W x D	mm / kg	1842 x 2420 x 1000 / 630	1842 x 2420 x 1000 / 630	1842 x 3250 x 1000 / 750	1842 x 3660 x 1000 / 810	1842 x 3250 x 1000 / 795	1842 x 3660 x 1000 / 855
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)
	Gas pipe	Inch (mm)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.		kg / T	16.60/34.6608	16.60/34.6608	22.20/46.3536	24.90/51.9912	22.20/46.3536	24.90/46.3536
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price		£	20269	21054	24510	25941	26390	27821

Data is for reference. 1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 42 to 52HP

			42HP	44HP	46HP	48HP	50HP	52HP
			U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8	U-10ME2E8	U-12ME2E8
Model name			U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-12ME2E8	U-12ME2E8
			U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-12ME2E8	U-12ME2E8
							U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity	kW		118.0	124.0	130.0	135.0	140.0	145.0
EER ¹⁾	W/W		3.69	3.62	3.62	3.52	3.87	3.82
Running current cooling	A		50.20/48.40	53.20/51.30	56.90/54.90	60.20/58.10	56.20/54.20	59.00/56.80
Input power cooling	kW		32.00	34.30	35.90	38.40	36.20	38.00
Heating capacity	kW		132.0	138.0	145.0	150.0	155.0	160.0
COP ¹⁾	W/W		4.49	4.50	4.46	4.42	4.65	4.66
Running current heating	A		46.60/44.90	48.20/46.40	51.50/49.70	53.80/51.80	52.20/50.40	53.80/51.90
Input power heating	kW		29.40	30.70	32.50	33.90	33.30	34.30
Starting current	A		5.00	5.00	6.00	6.00	5.00	5.00
External static pressure (Max)	Pa		80	80	80	80	80	80
Air volume	m ³ /min		688	696	696	696	920	928
Sound pressure	Normal / Silent mode	dB(A)	65.00/62.00	65.50/62.50	65.50/62.50	66.00/63.00	65.50/62.50	66.00/63.00
Sound power	Normal mode	dB	86.00	86.50	86.50	87.00	86.50	87.00
Dimension / Net weight	H x W x D	mm / kg	1842x3250 x 1000/840	1842x3660 x 1000/900	1842x3660 x 1000/945	1842x3660 x 1000/945	1842x4490 x 1000/1065	1842x4900 x 1000/1125
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)
	Gas pipe	Inch (mm)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.	kg / T		22.20/51.9912	24.90/51.9912	24.90/51.9912	24.90/51.9912	30.50/63.6840	33.20/69.3216
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price	£		28270	29701	30796	31581	35037	36468

2-Pipe ECOi EX ME2 Series High Efficiency Model Combination from 54 to 64HP

			54HP	56HP	58HP	60HP	62HP	64HP
			U-10ME2E8	U-12ME2E8	U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8
Model name			U-12ME2E8	U-12ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8
			U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8
			U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50
Cooling capacity	kW		151.0	156.0	162.0	168.0	174.0	180.0
EER ¹⁾	W/W		3.75	3.71	3.65	3.60	3.60	3.52
Running current cooling	A		63.20/60.90	65.30/63.00	69.70/67.10	73.30/70.60	75.80/73.00	80.30/77.40
Input power cooling	kW		40.30	42.10	44.40	46.70	48.30	51.20
Heating capacity	kW		169.0	175.0	182.0	189.0	195.0	201.0
COP ¹⁾	W/W		4.56	4.56	4.47	4.47	4.45	4.42
Running current heating	A		58.80/56.70	60.20/58.10	64.60/62.20	67.10/64.70	69.50/67.00	72.20/69.60
Input power heating	kW		37.10	38.40	40.70	42.30	43.80	45.50
Starting current	A		6.00	6.00	7.00	7.00	8.00	8.00
External static pressure (Max)	Pa		80	80	80	80	80	80
Air volume	m ³ /min		920	928	920	928	928	928
Sound pressure	Normal / Silent mode	dB(A)	66.00/63.00	66.50/63.50	66.50/63.50	67.00/64.00	67.00/64.00	67.00/64.00
Sound power	Normal mode	dB	87.00	87.50	87.50	88.00	88.00	88.00
Dimension / Net weight	H x W x D	mm / kg	1842x4490 x 1000/1110	1842x4900 x 1000/1170	1842x4490 x 1000/1155	1842x4900 x 1000/1215	1842x4900 x 1000/1260	1842x4900 x 1000/1260
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)
	Gas pipe	Inch (mm)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-1/2(38.10)/1-5/8(41.28)	1-5/8(41.28)/1-3/4(44.45)	1-5/8(41.28)/1-3/4(44.45)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.	kg / T		30.50/63.6840	33.20/69.3216	30.50/63.6840	33.20/69.3216	33.20/69.3216	33.20/69.3216
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)	50 ~ 130(200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price	£		36917	38348	38797	40228	41323	42108

Data is for reference. 1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 22 to 34HP

			22HP	24HP	26HP	28HP	30HP	32HP	34HP
Model name			U-10ME2E8	U-12ME2E8	U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8	U-14ME2E8
			U-12ME2E8	U-12ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-20ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	61.5	68.0	73.0	78.5	85.0	90.0	96.0
EER ¹⁾		W/W	4.13	3.93	3.80	3.69	3.68	3.52	3.56
Running current cooling		A	23.10/22.30	26.60/25.60	30.10/29.00	33.10/31.90	36.60/35.30	40.20/38.70	41.90/40.40
Input power cooling		kW	14.90	17.30	19.20	21.30	23.10	25.60	27.00
Heating capacity		kW	69.0	76.5	81.5	87.5	95.0	100.0	108.0
COP ¹⁾		W/W	4.76	4.69	4.55	4.56	4.48	4.42	4.17
Running current heating		A	22.70/21.90	25.30/24.40	28.40/27.40	30.10/29.00	33.60/32.40	35.80/34.60	40.60/39.20
Input power heating		kW	14.50	16.30	17.90	19.20	21.20	22.60	25.90
Starting current		A	2.00	2.00	3.00	3.00	4.00	4.00	4.00
External static pressure [Max]		Pa	80	80	80	80	80	80	80
Air volume		m ³ /min	456	464	456	464	464	464	637
Sound pressure	Normal / Silent mode	dB(A)	61.00/58.00	62.00/59.00	62.50/59.50	63.50/60.50	63.50/60.50	64.00/61.00	63.00/60.00
Sound power	Normal mode	dB	82.00	83.00	83.50	84.50	84.50	85.00	84.00
Dimension / Net weight	H x W x D	mm / kg	1842x2010 x1000/480	1842x2420 x1000/540	1842x2010 x1000/525	1842x2420 x1000/585	1842x2420 x1000/630	1842x2420 x1000/630	1842x2780 x1000/690
Piping connections ²⁾	Liquid pipe	Inch (mm)	5/8(15.88)/ 3/4(19.05)	5/8(15.88)/ 3/4(19.05)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)
	Gas pipe	Inch (mm)	1-1/8(28.58)/ 1-1/4(31.75)	1-1/8(28.58)/ 1-1/4(31.75)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)	1-1/4(31.75)/ 1-1/2(38.10)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.		kg / T	13.90/23.3856	16.60/34.6608	13.90/29.0232	16.60/34.6608	16.60/34.6608	16.60/34.6608	17.80/37.1664
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price		£	15863	17294	17743	19174	20269	21054	22955

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 36 to 48HP

			36HP	38HP	40HP	42HP	44HP	46HP	48HP
Model name			U-16ME2E8	U-18ME2E8	U-20ME2E8	U-10ME2E8	U-12ME2E8	U-14ME2E8	U-16ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	101.0	107.0	113.0	118.0	124.0	130.0	135.0
EER ¹⁾		W/W	3.42	3.42	3.34	3.69	3.62	3.62	3.52
Running current cooling		A	45.30/43.70	48.10/46.30	51.40/49.50	50.20/48.40	53.20/51.30	56.90/54.90	60.20/58.10
Input power cooling		kW	25.9	31.3	33.8	32.0	34.3	35.9	38.4
Heating capacity		kW	113.0	119.0	127.0	132.0	138.0	145.0	150.0
COP ¹⁾		W/W	4.14	4.13	3.92	4.49	4.50	4.46	4.42
Running current heating		A	42.40/40.80	44.70/43.10	49.80/48.00	46.60/44.90	48.20/46.40	51.50/49.70	53.80/51.80
Input power heating		kW	27.30	28.80	32.40	29.40	30.70	32.50	33.90
Starting current		A	4.00	4.00	4.00	5.00	5.00	6.00	6.00
External static pressure [Max]		Pa	80	80	80	80	80	80	80
Air volume		m ³ /min	637	810	810	688	696	696	696
Sound pressure	Normal / Silent mode	dB(A)	63.50/60.50	62.50/59.50	63.00/60.00	65.00/62.00	65.50/62.50	65.50/62.50	66.00/63.00
Sound power	Normal mode	dB	84.50	83.50	84.00	86.00	86.50	86.50	87.00
Dimension / Net weight	H x W x D	mm / kg	1842x2780 x1000/690	1842x3140 x1000/750	1842x3140 x1000/750	1842x3250 x1000/840	1842x3660 x1000/900	1842x3660 x1000/945	1842x3660 x1000/945
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)	3/4(19.05)/ 7/8(22.22)
	Gas pipe	Inch (mm)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)	1-1/2(38.10)/ 1-5/8(41.28)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.		kg / T	17.80/37.1664	19.00/39.672	19.00/39.672	22.20/46.3536	24.90/51.9912	24.90/51.9912	24.90/51.9912
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]	50 ~ 130[200]
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price		£	23740	25789	26426	28270	29701	30796	31581

1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m. increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 50 to 64HP

			50HP	52HP	54HP	56HP	58HP	60HP	62HP	64HP
Model name			U-14ME2E8	U-16ME2E8	U-14ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8	U-14ME2E8	U-16ME2E8
			U-16ME2E8	U-16ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-16ME2E8	U-16ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-16ME2E8	U-16ME2E8
									U-16ME2E8	U-16ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity	kW		140.0	145.0	151.0	156.0	162.0	168.0	174.0	180.0
EER ¹⁾	W/W		3.55	3.46	3.49	3.41	3.40	3.35	3.60	3.52
Running current cooling	A		61.10/58.90	65.00/62.70	66.50/64.10	70.30/67.80	73.10/70.40	76.10/73.40	75.80/73.00	80.30/77.40
Input power cooling	kW		39.40	41.90	43.30	45.80	47.60	50.10	48.30	51.20
Heating capacity	kW		155.0	160.0	169.0	175.0	182.0	189.0	195.0	201.0
COP ¹⁾	W/W		4.29	4.27	4.11	4.08	4.06	3.94	4.45	4.42
Running current heating	A		56.60/54.60	58.80/56.70	63.80/61.50	66.60/64.20	69.50/67.00	73.70/71.00	69.50/67.00	72.20/69.60
Input power heating	kW		36.10	37.50	41.10	42.90	44.80	48.00	43.80	45.50
Starting current	A		6.00	6.00	6.00	6.00	6.00	6.00	8.00	8.00
External static pressure (Max)	Pa		80	80	80	80	80	80	80	80
Air volume	m ³ /min		869	869	1042	1042	1215	1215	928	928
Sound pressure	Normal / Silent mode	dB(A)	65.50/62.50	65.50/62.50	65.00/62.00	65.50/62.50	64.50/61.50	65.00/62.00	67.00/64.00	67.00/64.00
Sound power	Normal mode	dB	86.50	86.50	86.00	86.50	85.50	86.00	88.00	88.00
Dimension / Net weight	H x W x D	mm / kg	1842 x 4020 x 1000/1005	1842 x 4020 x 1000/1005	1842 x 4380 x 1000/1065	1842 x 4380 x 1000/1065	1842 x 4740 x 1000/1125	1842 x 4740 x 1000/1125	1842 x 4900 x 1000/1260	1842 x 4900 x 1000/1260
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)
	Gas pipe	Inch (mm)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-5/8 (41.28)/ 1-3/4 (44.45)	1-5/8 (41.28)/ 1-3/4 (44.45)
	Balance pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Refrigerant (R410A) / CO ₂ Eq.	kg / T		26.10/54.4968	26.10/54.4968	27.30/57.0024	27.30/57.0024	28.50/59.508	28.50/59.508	33.20/69.3216	33.20/69.3216
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price	£		33482	34267	36168	36953	39002	39639	41323	42108

2-Pipe ECOi EX ME2 Series Space Saving Model Combination from 66 to 80HP

			66HP	68HP	70HP	72HP	74HP	76HP	78HP	80HP
Model name			U-10ME2E8	U-12ME2E8	U-10ME2E8	U-16ME2E8	U-16ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8
			U-16ME2E8	U-16ME2E8	U-20ME2E8	U-16ME2E8	U-18ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8
			U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8	U-20ME2E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity	kW		185.0	190.0	196.0	202.0	208.0	213.0	219.0	224.0
EER ¹⁾	W/W		3.52	3.49	3.47	3.42	3.42	3.39	3.38	3.35
Running current cooling	A		80.80/77.80	83.70/80.70	86.80/83.60	90.60/87.30	93.40/90.00	96.60/93.10	98.30/94.70	101.50/97.80
Input power cooling	kW		52.60	54.50	56.50	59.00	60.80	62.90	64.70	66.80
Heating capacity	kW		207.0	213.0	219.0	226.0	233.0	239.0	245.0	252.0
COP ¹⁾	W/W		4.16	4.18	4.05	4.14	4.12	4.03	4.03	3.94
Running current heating	A		77.10/74.30	79.20/76.30	83.10/80.10	84.70/81.70	87.70/84.50	92.00/88.70	93.40/90.00	98.30/94.70
Input power heating	kW		49.70	51.00	54.10	54.60	56.50	59.30	60.80	64.00
Starting current	A		7.00	7.00	7.00	8.00	8.00	8.00	8.00	8.00
External static pressure (Max)	Pa		80	80	80	80	80	80	80	80
Air volume	m ³ /min		1266	1274	1439	1274	1447	1447	1620	1620
Sound pressure	Normal / Silent mode	dB(A)	66.00/63.00	66.50/63.50	65.50/62.50	66.50/63.50	66.50/63.50	66.50/63.50	66.00/63.00	66.00/63.00
Sound power	Normal mode	dB	87.00	87.50	86.50	87.50	87.50	87.50	87.00	87.00
Dimension / Net weight	H x W x D	mm / kg	1842 x 5210 x 1000/1275	1842 x 5620 x 1000/1335	1842 x 5570 x 1000/1335	1842 x 5620 x 1000/1380	1842 x 5980 x 1000/1440	1842 x 5980 x 1000/1440	1842 x 6340 x 1000/1500	1842 x 6340 x 1000/1500
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4 (19.05)/ 7/8 (22.22)	7/8 (22.22)/ 1 (25.04)	7/8 (22.22)/ 1 (25.04)	7/8 (22.22)/ 1 (25.04)	7/8 (22.22)/ 1 (25.04)	7/8 (22.22)/ 1 (25.04)	7/8 (22.22)/ 1 (25.04)	7/8 (22.22)/ 1 (25.04)
	Gas pipe	Inch (mm)	1-5/8 (41.28)/ 1-3/4 (44.45)	1-5/8 (41.28)/ 1-3/4 (44.45)	1-5/8 (41.28)/ 1-3/4 (44.45)	1-3/4 (44.45)/ 2 (50.80)	1-3/4 (44.45)/ 2 (50.80)	1-3/4 (44.45)/ 2 (50.80)	1-3/4 (44.45)/ 2 (50.80)	1-3/4 (44.45)/ 2 (50.80)
	Balance pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
Refrigerant (R410A) / CO ₂ Eq.	kg / T		32.90/68.6952	35.60/74.3328	34.10/19.836	35.80/68.6952	36.80/76.8384	36.80/76.8384	38.00/79.344	38.00/79.344
Maximum allowable indoor / outdoor capacity ratio % ³⁾			50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)	50 ~ 130 (200)
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18	-25 ~ +18
Price	£		44169	45600	46855	47480	49529	50166	52215	52852

1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m. increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 3) If the following conditions are satisfied, the effective range is above 130% and below 200%: A. Obey the limited number of connectable indoor units. B. The lower limit of operating range for heating outdoor temperature is limited to -10°C WB (standard -25°C WB). C. Simultaneous operation is limited to less than 130% of connectable indoor units.

3-Pipe ECOi EX MF3 Series



Simultaneous heating and cooling VRF system.

The Panasonic 3-Pipe MF3 Series offers the best solution for the most demanding customers.



Simultaneous heating and cooling VRF System

The Panasonic 3-Pipe ECOi EX MF3 series offers the ideal solution to meet customer's demand.

Upgraded energy efficiency utilized ECOi EX technology.

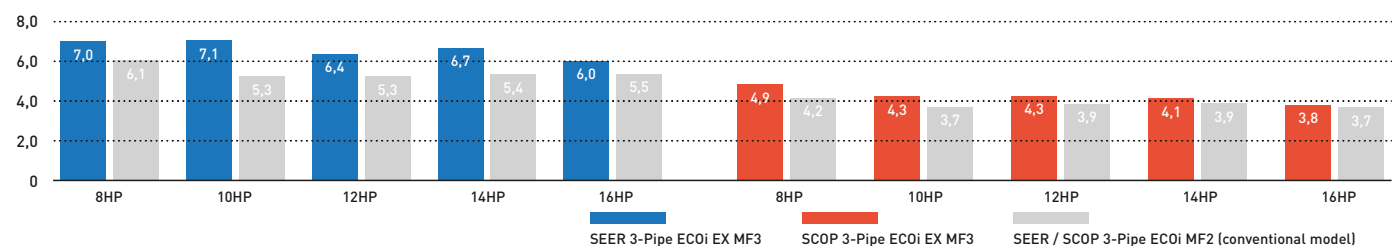
- SEER / SCOP improved in full capacities from 8 to 16HP
- SEER / SCOP follows LOT21 from started from January 2018
- EER / COP is certified in Eurovent

Design flexibility.

- High reliability even under tough temperature condition
- Maximum 52 indoor units connectable
- Slim heat recovery box with just 200mm height
- Farthest piping length between indoor units and outdoor units: 200m

Excellent seasonal energy saving.

SEER / SCOP

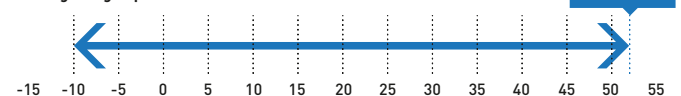


Extended design operation conditions

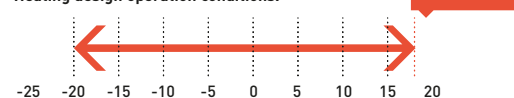
Cooling design operation conditions: The cooling operation range has been extended to -10°C ~ 52°C by changing the outdoor fan to an Inverter type.

Heating design operation conditions: Stable heating operation even with an outside air temperature of -20°C. The heating operation range has been extended to -20°C by use of a compressor with a high-pressure vessel.

Cooling design operation conditions.



Heating design operation conditions.



Cooling: Outside air temperature °C (DB). Heating: Outside air temperature °C (WB).

Wide temperature setting range

Wired remote controller heating temperature setting range is 16 to 30°C.



4.9 SCOP

3-Pipe ECOi EX MF3 Series

			8HP	10HP	12HP	14HP	16HP
Outdoor units			U-8MF3E8	U-10MF3E8	U-12MF3E8	U-14MF3E8	U-16MF3E8
Power supply	Voltage	V	380-400-415	380-400-415	380-400-415	380-400-415	380-400-415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50
Cooling capacity		kW	22.4	28.0	33.5	40.0	45.0
EER ¹⁾		W/W	5.11	4.72	3.91	3.70	3.49
SEER ²⁾			7.0	7.1	6.4	6.7	6.0
Running current cooling		A	7.16/6.80/6.55	9.90/9.41/9.07	3.19/13.20/12.70	18.20/17.30/16.70	21.30/20.20/19.50
Input power cooling		kW	4.38	5.93	8.57	10.80	12.90
Heating capacity		kW	25.0	31.5	37.5	45.0	50.0
COP ¹⁾		W/W	5.25	5.17	4.51	4.21	4.17
SCOP ²⁾			4.9	4.3	4.3	4.1	3.8
Running current heating		A	7.78/7.39/7.12	10.20/9.66/9.31	13.40/12.80/12.30	18.10/17.20/16.50	20.00/19.00/18.30
Input power heating		kW	4.76	6.09	8.32	10.70	12.00
Starting current		A	1.00	1.00	1.00	2.00	2.00
External static pressure (Max)		Pa	80	80	80	80	80
Air volume		m ³ /min	210	220	232	232	232
Sound pressure	Normal mode	dB(A)	54.00	57.00	60.00	61.00	62.00
	Silent mode 1 / 2	dB(A)	51.00/49.00	54.00/52.00	57.00/55.00	58.00/56.00	59.00/57.00
Sound power	Normal mode	dB	76.00	78.00	81.00	82.00	82.00
Dimension	H x W x D	mm	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000	1842 x 1180 x 1000
Net weight		kg	261	262	286	334	334
Piping connections ³⁾	Liquid pipe	Inch (mm)	3/8(9.52)/1/2(12.70)	3/8(9.52)/1/2(12.70)	1/2(12.70)/5/8(15.88)	1/2(12.70)/5/8(15.88)	1/2(12.70)/5/8(15.88)
	Discharge pipe	Inch (mm)	5/8(15.88)/3/4(19.05)	3/4(19.05)/7/8(22.22)	3/4(19.05)/7/8(22.22)	7/8(22.22)/1(25.40)	7/8(22.22)/1(25.40)
	Suction pipe	Inch (mm)	3/4(19.05)/7/8(22.22)	7/8(22.22)/1(25.40)	1(25.40)/1-1/8(28.58)	1(25.40)/1-1/8(28.58)	1-1/8(28.58)/1-1/4(31.75)
	Balance pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
Refrigerant (R410A) / CO ₂ Eq.		kg / T	6.80/14.1984	6.80/14.1984	8.30/17.3304	8.30/17.3304	8.30/17.3304
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24
Price		£	6812	7519	9038	10452	12012

Solenoid valve kit			Price £
KIT-P56HR3	KIT-P56HR3	3-Pipe control Solenoid valve kit (up to 5.6kW)	432
	CZ-P56HR3	Solenoid valve kit (up to 5.6kW)	355
	CZ-CAPE2	3-Pipe control PCB	77
KIT-P160HR3	KIT-P160HR3	3-Pipe control Solenoid valve kit (from 5.60 to 16.0kW)	509
	CZ-P160HR3	Solenoid valve kit (from 5.6kW to 16.0kW)	432
	CZ-CAPE2	3-Pipe control PCB	77
CZ-CAPEK2 ⁴⁾			85

3-Pipe control box kit			Price £
CZ-P456HR3	4 ports 3 pipe box (up to 5.6kW per port)		2175
CZ-P656HR3	6 ports 3 pipe box (up to 5.6kW per port)		2985
CZ-P856HR3	8 ports 3 pipe box (up to 5.6kW per port)		4069
CZ-P4160HR3	4 ports 3 pipe box (up to 16.0kW per port)		2425

1) EER and COP calculation is based in accordance to EN14511. 2) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency "η₁" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η₁ + Correction) x PEF. 3) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m, increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes). 4) Available for S-45/56/73/106MK2E5A.



Slim 3-Pipe Control Box Kit / Multiple connection type

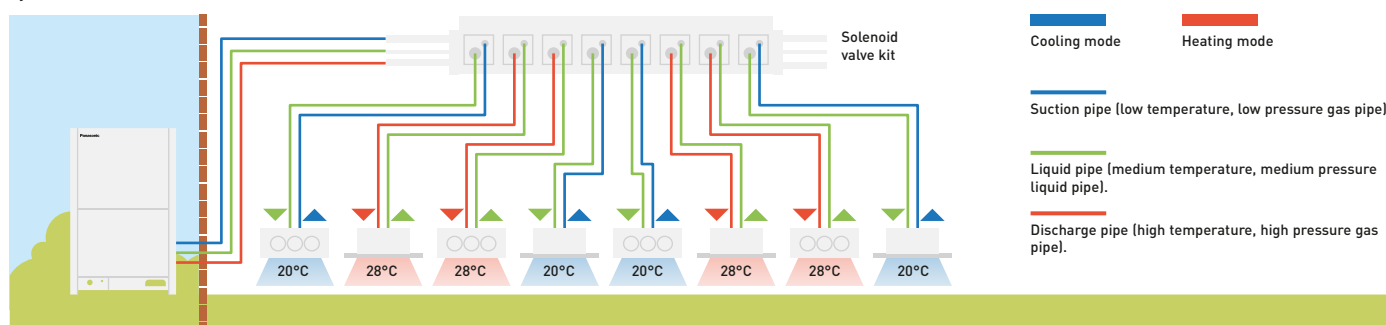
Heat Recovery Box to connect multiple indoor units with just one box, 4, 6 and up to 8 indoor units or groups.

The height is only 200mm. This is good advantage specially in hotel applications, where space for connecting several boxes is limited.

Individual control of multiple indoor units with solenoid valve kits.

- Any design and layout can be used in a single system.
- Cooling operation is possible up to an outdoor temperature of -10°C.

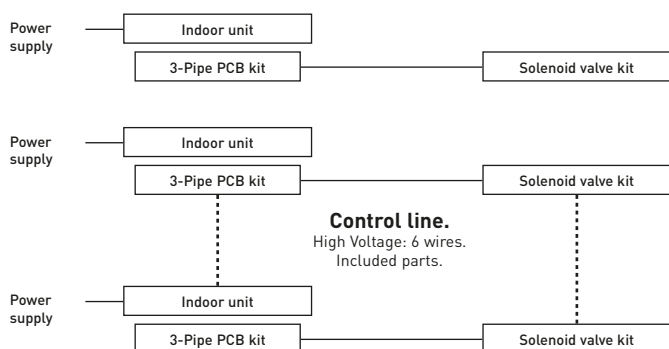
System structure.



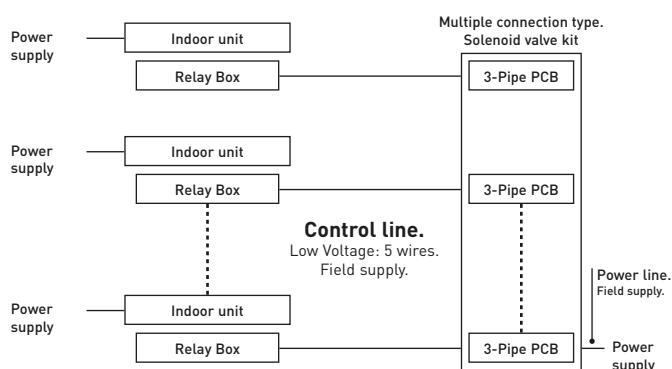
	1 port	4 port	6 port	8 port
56 type	CZ-P56HR3	CZ-P456HR3	CZ-P656HR3	CZ-P856HR3
160 type	CZ-P160HR3	CZ-P4160HR3	—	—

Solenoid valve kit / wiring work

Current model / single connection type.



New model / multiple connection type.



3-Pipe PCB kit.

Separately purchased.



Parts included in HR3 kit.

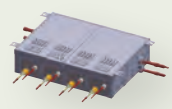


Signal Relay Box.

Included accessory.



Parts included in HR3 kit.



3-Pipe ECOi EX MF3 Series Combination from 18 to 32HP

HP			18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP
Model name			U-8MF3E8 U-10MF3E8	U-8MF3E8 U-12MF3E8	U-10MF3E8 U-12MF3E8	U-12MF3E8 U-12MF3E8	U-10MF3E8 U-16MF3E8	U-12MF3E8 U-16MF3E8	U-14MF3E8 U-16MF3E8	U-16MF3E8 U-16MF3E8
Power supply	Voltage	V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity	kW		50.0	56.0	61.5	68.0	73.0	78.5	85.0	90.0
EER ¹⁾	W/W		4.90	4.31	4.24	3.89	3.88	3.65	3.59	3.49
Running current cooling	A		16.80/16.00/15.40	21.00/20.00/19.20	23.70/22.50/21.70	28.30/26.90/25.90	31.00/29.50/28.40	35.10/33.40/32.20	39.60/37.60/36.20	42.60/40.50/39.00
Input power cooling	kW		10.20	13.00	14.50	17.50	18.80	21.50	23.70	25.8
Heating capacity	kW		56.0	63.0	69.0	76.5	81.5	87.5	95.0	100.0
COP ¹⁾	W/W		5.23	4.77	4.79	4.47	4.50	4.31	4.19	4.17
Running current heating	A		17.70/16.80/16.20	21.30/20.30/19.50	23.50/22.30/21.50	27.60/26.30/25.30	30.20/28.70/27.70	33.50/31.80/30.70	37.90/36.00/34.70	40.10/38.10/36.70
Input power heating	kW		10.70	13.20	14.40	17.10	18.10	20.30	22.70	24.00
Starting current	A		2.00	2.00	2.00	2.00	3.00	3.00	4.00	4.00
External static pressure (Max)	Pa		80	80	80	80	80	80	80	80
Air volume	m ³ /min		430	442	452	464	452	464	464	464
Sound pressure	Normal mode	dB(A)	59.00	61.00	62.00	63.00	63.50	64.50	64.50	65.00
	Silent mode 1 / 2	dB(A)	56.00/54.00	58.00/56.00	59.00/57.00	60.00/58.00	60.50/58.50	61.50/59.50	61.50/59.50	62.00/60.00
Sound power	Normal mode	dB	81.50	84.00	84.50	86.00	84.50	86.00	86.00	86.00
Dimension	H x W x D	mm	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000	1842 x 2360 (+60) x 1000
Net weight	kg		523	547	548	574	596	620	668	668
Piping connections ²⁾	Liquid pipe	Inch (mm)	5/8 (15.88)/ 3/4 (19.05)	5/8 (15.88)/ 3/4 (19.05)	5/8 (15.88)/ 3/4 (19.05)	5/8 (15.88)/ 3/4 (19.05)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)
	Discharge pipe	Inch (mm)	7/8 (22.22)/ 1 (25.40)	7/8 (22.22)/ 1 (25.40)	1 (25.40)/ 1-1/8 (28.58)	1 (25.40)/ 1-1/8 (28.58)	1 (25.40)/ 1-1/8 (28.58)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/8 (28.58)/ 1-1/4 (31.75)
	Suction pipe	Inch (mm)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)
	Balance pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Refrigerant (R410A) / CO ₂ Eq.	kg / T	13.60/28.3968	15.10/31.5288	15.10/31.5288	16.60/34.6608	15.10/31.5288	16.60/34.6608	16.60/34.6608	16.60/34.6608
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24
Price	£		14331	15850	16557	18076	19531	21050	22464	24024

3-Pipe ECOi EX MF3 Series Combination from 34 to 48HP

HP			34HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP
Model name			U-8MF3E8 U-10MF3E8 U-16MF3E8	U-8MF3E8 U-12MF3E8 U-16MF3E8	U-10MF3E8 U-12MF3E8 U-16MF3E8	U-8MF3E8 U-16MF3E8 U-16MF3E8	U-10MF3E8 U-16MF3E8 U-16MF3E8	U-12MF3E8 U-16MF3E8 U-16MF3E8	U-14MF3E8 U-16MF3E8 U-16MF3E8	U-16MF3E8 U-16MF3E8 U-16MF3E8
Power supply	Voltage	V	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415	380 - 400 - 415
	Phase		Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Cooling capacity	kW		96.0	101.0	107.0	113.0	118.0	124.0	130.0	135.0
EER ¹⁾	W/W		4.10	3.90	3.88	3.72	3.72	3.58	3.55	3.49
Running current cooling	A		38.60/36.70/35.40	42.30/40.20/38.70	45.60/43.30/41.70	50.20/47.70/46.00	52.40/49.70/47.90	56.50/53.70/51.80	61.10/58.10/56.00	63.90/60.70/58.50
Input power cooling	kW		23.40	25.90	27.60	30.40	31.70	34.60	36.60	38.70
Heating capacity	kW		108.0	113.0	119.0	127.0	132.0	138.0	145.0	150.0
COP ¹⁾	W/W		4.64	4.48	4.51	4.31	4.36	4.25	4.18	4.17
Running current heating	A		38.90/37.00/35.60	41.60/39.50/38.10	43.60/41.40/39.90	49.30/46.80/45.10	50.60/48.10/46.30	53.70/51.00/49.10	57.90/55.00/53.00	60.10/57.10/55.00
Input power heating	kW		23.30	25.20	26.40	29.50	30.30	32.50	34.70	36.00
Starting current	A		4.00	4.00	4.00	5.00	5.00	5.00	6.00	6.00
External static pressure (Max)	Pa		80	80	80	80	80	80	80	80
Air volume	m ³ /min		662	674	684	674	684	696	696	696
Sound pressure	Normal mode	dB(A)	64.00	64.50	65.00	65.50	66.00	66.50	66.50	67.00
	Silent mode 1 / 2	dB(A)	61.00/59.00	61.50/59.50	62.00/60.00	62.50/60.50	63.00/61.00	63.50/61.50	63.50/61.50	64.00/62.00
Sound power	Normal mode	dB	84.50	85.50	85.50	85.50	86.00	86.50	87.00	87.00
Dimension	H x W x D	mm	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000	1842 x 3540 (+120) x 1000
Net weight	kg		857	881	882	929	930	954	1002	1002
Piping connections ²⁾	Liquid pipe	Inch (mm)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)	3/4 (19.05)/ 7/8 (22.22)
	Discharge pipe	Inch (mm)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/8 (28.58)/ 1-1/4 (31.75)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/4 (31.75)/ 1-1/2 (38.10)
	Suction pipe	Inch (mm)	1-1/4 (31.75)/ 1-1/2 (38.10)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)	1-1/2 (38.10)/ 1-5/8 (41.28)
	Balance pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Refrigerant (R410A) / CO ₂ Eq.	kg / T	21.90/45.72719	23.40/48.85919	23.40/48.85919	23.40/48.85919	23.40/48.85919	24.90/46.3536	24.90/51.9912	24.90/51.9912
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150	50 ~ 150
Operating range	Cool Min ~ Max	°C	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52	-10 ~ +52
	Heat Min ~ Max	°C	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18	-20 ~ +18
	Simultaneous op.	°C	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24	-10 ~ +24
Price	£		26343	27862	28569	30836	31543	33062	34476	36036

1) EER and COP calculation is based in accordance to EN14511. 2) Pipe diameter under 90m for ultimate indoor unit / over 90m for ultimate indoor unit (if the longest piping equivalent length exceeds 90m. increase the sizes of the main tubes by 1 rank for gas tubes and liquid tubes).

Panasonic introducing the gas driven VRF

ECO G gas VRF is specially designed for buildings where the electricity is restricted or CO₂ emissions must be reduced.



1 Limited electric supply

Electric consumption of ECO G is only 9% compared to ECOi because gas engine is utilized for the compressor driving source.

2 High demand of DHW with heating and cooling cogeneration

DHW is produced effectively thanks to heat from engine exhaust during heating and cooling.

3 Open and flexible design

ECO G system is designed to connect various Indoor units and controllers which is available for ECOi system. With new GE3 series, Pump Down system has been implemented to answer commercial needs.



2-Pipe ECO G GE3 Series

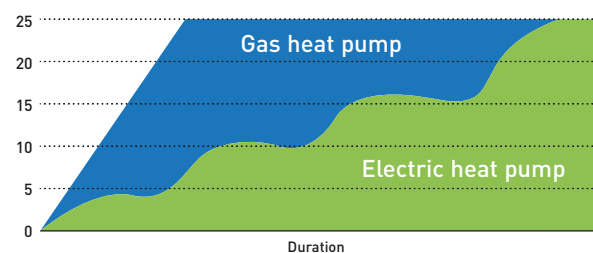
Designed for better energy efficiency. SEER has been increased by maximum 120%.

4 Quick start up in heating at low ambient temperature

Gas heat pump systems make your building comfortably warm with a quick start by using waste heat from engine. Heating mode works from -21°C of ambient temperature.

Comparison of heating capacity.

Room temperature °C



3-Pipe ECO G GF3 Series

3 Way heat recovery system with simultaneous heating and cooling.



2-Pipe ECO G GE3 Series

HP			16HP	20HP	25HP	30HP
Model			U-16GE3E5	U-20GE3E5	U-25GE3E5	U-30GE3E5
Power supply	Voltage	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
	Phase		Single Phase	Single Phase	Single Phase	Single Phase
	Frequency	Hz	50	50	50	50
Cooling capacity		kW	45.0	56.0	71.0	85.0
Refrigeration load Pdesign		kW	45.0	56.0	71.0	85.0
η_{sc} (LOT21) ¹⁾		%	220.60	219.30	240.10	229.30
Input power cooling		kW	1.17	1.12	1.80	1.80
Hot water in cooling mode (at 65°C outlet)		kW	23.60	29.10	36.40	46.00
Max COP in hot water		W/W	1.55	1.55	1.49	1.47
Gas consumption cooling		kW	41.10	52.10	67.20	84.10
Heating capacity	Standard	kW	50.0	63.0	80.0	95.0
	Low temperature	kW	53.0	67.0	78.0	90.0
Refrigeration load Pdesign		kW	37.0	53.0	60.0	65.0
η_{sh} (LOT21) ¹⁾		%	150.60	143.70	146.90	151.30
Input power heating		kW	0.56	1.05	0.91	1.75
Gas consumption heating	Standard	kW	38.00	51.10	68.60	75.30
	Low temperature	kW	45.40	62.70	60.70	73.90
Starter amperes		A	30	30	30	30
External static pressure		Pa	10	10	10	10
Air volume		m ³ /min	370	420	460	460
Sound power		Normal / Silent mode	80/77	80/77	84/81	84/81
Dimension		HxWxD	2255 x 1650 x 1000	2255 x 1650 x 1000	2255 x 2026 x 1000	2255 x 2026 x 1000
Net weight		kg	765	765	870	880
Piping connections	Liquid pipe	Inch (mm)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)	3/4 (19.05)
	Gas pipe	Inch (mm)	1-1/8 (28.58)	1-1/8 (28.58)	1-1/8 (28.58)	1-1/4 (31.75)
	Fuel gas	Inch (mm)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)
	Exhaust drain port	mm	25	25	25	25
	Hot water supply in/out		Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)
Elevation difference (in/out)			50	50	50	50
Refrigerant (R410A) / CO ₂ Eq.		kg / T	11.50 / 24.00	11.50 / 24.00	11.50 / 24.00	11.50 / 24.00
Maximum number of connectable indoor units			26	33	41	50
Operating range	Cool Min ~ Max	°C (DB)	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C (WB)	-21 ~ +18	-21 ~ +18	-21 ~ +18	-21 ~ +18
Price		£	28239	32185	34386	38428

1) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency " η " values of the COMMISSION REGULATION (EU) 2016/2281.

Hot water take out function added. EU safety regulation standard cleared. 25HP chassis enlarged due to specification improvement. Pre-coat corrosion fin. Auto pump down function.



2-Pipe ECO G GE3 Series Combination from 32 to 60HP

HP			32HP	36HP	40HP	45HP	50HP	55HP	60HP
Model			U-16GE3E5	U-16GE3E5	U-20GE3E5	U-20GE3E5	U-25GE3E5	U-25GE3E5	U-30GE3E5
			U-16GE3E5	U-20GE3E5	U-20GE3E5	U-25GE3E5	U-25GE3E5	U-30GE3E5	U-30GE3E5
Power supply	Voltage	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
	Phase		Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase	Single Phase
	Frequency	Hz	50	50	50	50	50	50	50
Cooling capacity		kW	90.0	101.0	112.0	127.0	142.0	156.0	170.0
Input power cooling		kW	2.34	2.29	2.24	2.92	3.60	3.60	3.60
Hot water in cooling mode [at 65°C outlet]		kW	47.20	52.70	58.20	65.50	72.80	82.40	92.00
Max COP in hot water		W/W	1.55	1.55	1.55	1.52	1.49	1.48	1.47
Gas consumption cooling		kW	82.20	93.20	104.20	119.30	134.40	151.30	168.20
Heating capacity	Standard	kW	100.0	113.0	126.0	143.0	160.0	175.0	190.0
	Low temperature	kW	106.0	120.0	134.0	145.0	156.0	168.0	180.0
Input power heating		kW	1.12	1.61	2.10	1.96	1.82	2.66	3.50
Gas consumption heating	Standard	kW	76.00	89.10	102.20	119.70	137.20	143.90	150.60
	Low temperature	kW	90.80	108.10	125.40	123.40	121.40	134.60	147.80
Starter amperes		A	30	30	30	30	30	30	30
External static pressure		Pa	10	10	10	10	10	10	10
Air volume		m³/min	370/370	370/420	420/420	420/460	460/460	460/460	460/460
Sound power	Normal / Silent mode	dB	83/80	83/80	83/80	86/83	87/84	87/84	87/84
	Height	mm	2255	2255	2255	2255	2255	2255	2255
Dimension	Width	mm	1650+100 +1650	1650+100 +1650	1650+100 +1650	1650+100 +2026	2026+100 +2026	2026+100 +2026	2026+100 +2026
	Depth	mm	1000	1000	1000	1000	1000	1000	1000
Net weight		kg	1530 [765+765]	1530 [765+765]	1530 [765+765]	1635 [765+870]	1740 [870+870]	1750 [870+880]	1760 [880+880]
Piping connections	Liquid pipe	Inch (mm)	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	7/8 [22.22]	7/8 [22.22]
	Gas pipe	Inch (mm)	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]
	Fuel gas	Inch (mm)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)
	Exhaust drain port	mm	25	25	25	25	25	25	25
	Hot water supply in/out		Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)
Elevation difference (in/out)			50	50	50	50	50	50	50
Refrigerant (R410A) / CO ₂ Eq.		kg / T	2x11.50/24.00	2x11.50/24.00	2x11.50/24.00	2x11.50/24.00	2x11.50/24.00	2x11.50/24.00	2x11.50/24.00
Maximum number of connectable indoor units			52	59	64	64	64	64	64
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-21 ~ +18	-21 ~ +18	-21 ~ +18	-21 ~ +18	-21 ~ +18	-21 ~ +18	-21 ~ +18
Price		£	56478	60424	64370	66571	68772	72814	76856

Data is for reference. Hot water take out function added. EU safety regulation standard cleared. 25HP chassis enlarged due to specification improvement. Pre-coat corrosion fin. Auto pump down function.



3-Pipe ECO G GF3 Series

HP			16HP	20HP	25HP
Model			U-16GF3E5	U-20GF3E5	U-25GF3E5
Power supply	Voltage	V	220 - 230 - 240	220 - 230 - 240	220 - 230 - 240
	Phase		Single Phase	Single Phase	Single Phase
	Frequency	Hz	50	50	50
Cooling capacity		kW	45.0	56.0	71.0
Refrigeration load Pdesign		kW	45.0	56.0	71.0
η_{sc} (LOT21) ¹⁾		%	185.20	198.80	204.90
Input power cooling		kW	1.17	1.40	1.80
Hot water in cooling mode (at 65°C outlet)		kW	23.60	27.10	40.50
Gas consumption cooling		kW	45.80	54.80	73.70
Heating capacity	Standard	kW	50.0	63.0	80.0
	Low temperature	kW	53.0	67.0	78.0
Refrigeration load Pdesign		kW	38.0	52.0	60.0
η_{sh} (LOT21) ¹⁾		%	139.20	140.20	150.90
Input power heating		kW	0.56	1.05	0.91
Gas consumption heating		kW	42.20	51.10	68.60
Starter amperes		A	30	30	30
Air volume		m³/min	370	400	460
Sound power		Normal / Silent mode	80 / 77	81 / 78	84 / 81
Dimension		HxWxD	2255 x 1650 x 1000	2255 x 1650 x 1000	2255 x 2026 x 1000
Net weight		kg	775	775	880
Piping connections	Liquid pipe	Inch (mm)	3/4 (19.05)	3/4 (19.05)	3/4 (19.05)
	Gas pipe	Inch (mm)	1 1/8 (28.58)	1 1/8 (28.58)	1 1/8 (28.58)
	Discharge	Inch (mm)	7/8 (22.22)	1 (25.40)	1 (25.40)
	Fuel gas	Inch (mm)	19.05 (R3/4)	19.05 (R3/4)	19.05 (R3/4)
	Exhaust drain port	mm	25	25	25
	Hot water supply in/out		Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)	Rp3/4 (Nut. thread)
Elevation difference (in/out)		m	50	50	50
Refrigerant (R410A) / CO ₂ Eq.		kg / T	11.50/24.00	11.50/24.00	11.50/24.00
Maximum number of connectable indoor units			24	24	24
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-21 ~ +18	-21 ~ +18	-21 ~ +18
Price		£	29957	33285	36051

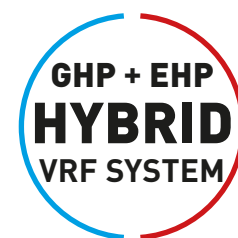
Solenoid valve kit			Price £
KIT-P56HR3	KIT-P56HR3	3-Pipe control Solenoid valve kit (up to 5.6kW)	432
	CZ-P56HR3	Solenoid valve kit (up to 5.6kW)	355
	CZ-CAPE2	3-Pipe control PCB	77
KIT-P160HR3	KIT-P160HR3	3-Pipe control Solenoid valve kit (from 5.60 to 16.0kW)	509
	CZ-P160HR3	Solenoid valve kit (from 5.6kW to 16.0kW)	432
	CZ-CAPE2	3-Pipe control PCB	77
CZ-CAPEK2 ²⁾			85

3-Pipe control box kit			Price £
CZ-P456HR3	4 ports 3 pipe box (up to 5.6kW per port)		2175
CZ-P656HR3	6 ports 3 pipe box (up to 5.6kW per port)		2985
CZ-P856HR3	8 ports 3 pipe box (up to 5.6kW per port)		4069
CZ-P4160HR3	4 ports 3 pipe box (up to 16.0kW per port)		2425

1) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency " η " values of the COMMISSION REGULATION (EU) 2016/2281. 2) Available for S-45/56/73/106MK2E5A.

Hot water take out function added, EU safety regulation standard cleared. 25HP chassis enlarged due to specification improvement. Pre-coat corrosion fin. Auto pump down function.

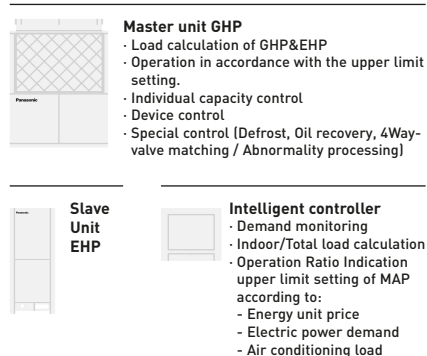
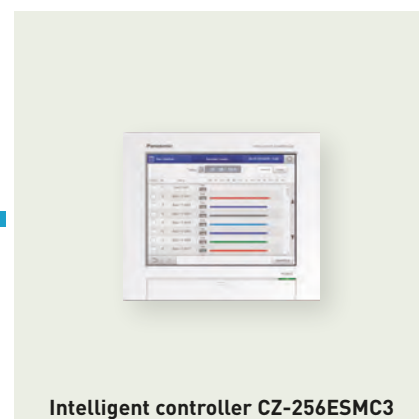
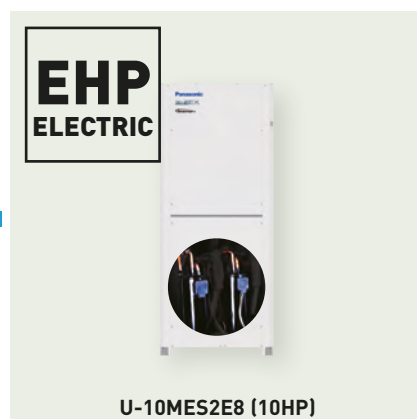
Panasonic GHP/EHP Hybrid System. First intelligent technology



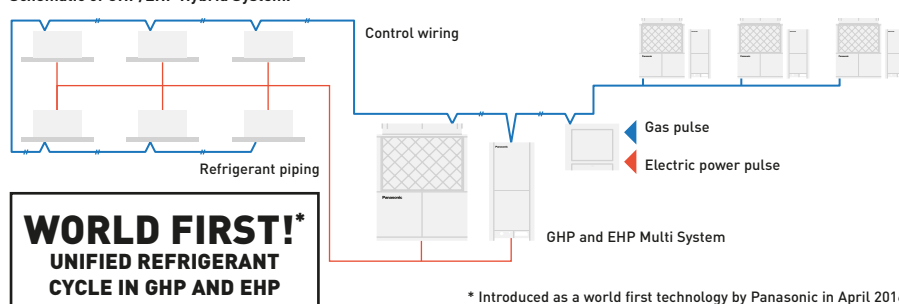
Taking advantage of Gas and Electricity to achieve better energy saving ever.

It is time to save energy utilising the advantages from gas and electricity by Panasonic reliable ECO G / ECOi technology

New hybrid system can offer intelligent operation logic for better economy and efficiency by taking the best of ECO G and ECOi. This is like a hybrid car in heating and cooling system.



Schematic of GHP/EHP Hybrid System.



* Introduced as a world first technology by Panasonic in April 2016.



2-Pipe Hybrid GHP/EHP

			Hybrid GHP	Hybrid EHP
HP			20HP	10HP
Outdoor units			U-20GES3E5	U-10MES2E8
Power supply	Voltage	V	220 - 230 - 240	220 - 230 - 240
	Phase		Single Phase	Three Phase
	Frequency	Hz	50	50
Cooling capacity		kW	56.0	28.0
η_{sh} (LOT21) ¹⁾		%	211.80	275.40
Running current cooling		A	5.18	10.70 / 10.20 / 9.80
Input power cooling		kW	1.12	6.41
Hot water in cooling mode (at 65°C outlet)		kW	26.20	—
Gas consumption cooling		kW	52.10	—
Heating capacity		kW	63.0	31.5
η_{sh} (LOT21) ¹⁾		%	143.20	167.60
Running current heating		A	4.79	11.10 / 10.50 / 10.10
Input power heating		kW	1.05	6.62
Gas consumption heating	Standard	kW	51.10	—
Starting current		A	30	1
Air volume		m³/min	420	224
Sound pressure	Normal mode	dB(A)	58	56
Sound power	Normal mode	dB	80	77
Dimension	H x W x D	mm	2255 x 1650 x 1000	1842 x 770 x 1000
Net weight		kg	765	210
Piping connections ²⁾	Liquid pipe	Inch (mm)	5/8 (15.88)	3/8 (9.52)
	Gas pipe	Inch (mm)	1 1/8 (28.58)	7/8 (22.22)
	Balance pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)
Drain heater		W	40	—
Refrigerant (R410A) / CO ₂ Eq.		kg / T	11.05 / 23.0724	5.60 / 11.6928
Maximum allowable indoor / outdoor capacity ratio %			50 ~ 130	50 ~ 130
Operating range	Cool Min ~ Max	°C	-10 ~ +43	-10 ~ +43
	Heat Min ~ Max	°C	-21 ~ +18	-21 ~ +18
Price		£	33540	8658

1) SEER/SCOP is calculated based on the seasonal space cooling/heating efficiency " η " values of the COMMISSION REGULATION (EU) 2016/2281.

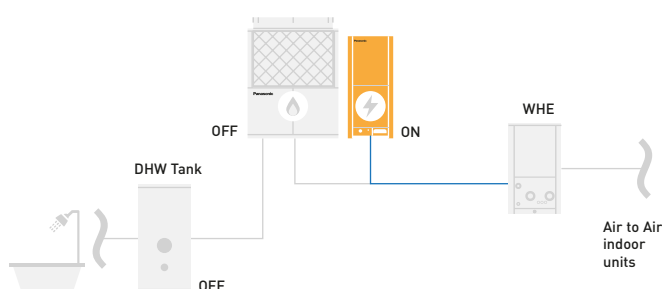
2) Please refer service manual when the maximum piping length exceeds 90 meters (equivalent length).



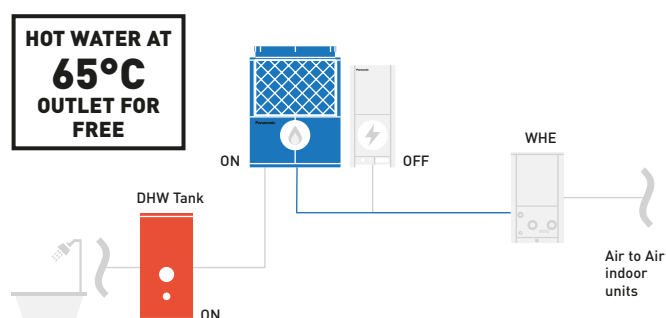
DHW priority mode in Hybrid + WHE System

When DHW is demanded during cooling operation by EHP, EHP is automatically turned "OFF" and GHP is turned "ON" to produce DHW for free.

High efficiency mode



DHW priority mode





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

Hydrokit with A class water pump			PAW-250WP5G1	PAW-500WP5G1
Hydrokit without pump			PAW-250W5G1	PAW-500W5G1
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 ¹⁾			A++	A++
η_{sh} (LOT1) ²⁾	%		152.00	152.00
Dimension	HxWxD	mm	1000 x 575 x 1110	1000 x 575 x 1110
Net weight		kg	135 (140 with pump)	155 (165 with pump)
Water pipe connector			Rp2 Female Thread (50A)	Rp2 Female Thread (50A)
Heating water flow ($\Delta T=5$ K. 35°C)		m ³ /h	5.16	10.32
Capacity of integrated electric heater		kW	Not equipped	Not equipped
Flow switch			Equipped	Equipped
Water filter			Equipped	Equipped
Input power		kW	0.329 (with A class water pump) / 0.024 (without pump)	0.574 (with A class water pump) / 0.024 (without pump)
Maximum current		A	1.43 (with A class water pump) / 0.10 (without pump)	2.50 (with A class water pump) / 0.10 (without pump)
Outdoor unit			U-10ME2E8	U-20ME2E8
Sound pressure		dB(A)	56	60
Dimension	HxWxD	mm	1842 x 770 x 1000	1842 x 770 x 1000
Net weight		kg	210	375
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	5/8 (15.88)
	Gas pipe	Inch (mm)	7/8 (22.22)	1-1/8 (28.58)
Refrigerant (R410A) / CO ₂ Eq.		kg	5.6 *Need Additional gas amount at site	9.5 *Need Additional gas amount at site
Pipe length range / Elevation difference (in/out)		m	170 / 50 (OD above) 35 (OD below)	170 / 50 (OD above) 35 (OD below)
Pipe length for nominal capacity		m	7.5	7.5
Pipe length for additional gas / Additional gas amount (R410A)		m / g/m	0 < / Refer to manual	0 < / Refer to manual
Operation range	Heat Min ~ Max	°C	-11 ~ +15 ³⁾	-11 ~ +15 ³⁾
Water outlet temperature range	Cool Min ~ Max	°C	+5 ~ +15	+5 ~ +15
	Heat Min ~ Max	°C	+35 ~ +45	+35 ~ +45
Hydrokit with A class water pump Price		£	10635	12290
Hydrokit without pump Price		£	10104	11249
Outdoor unit Price		£	7216	13213

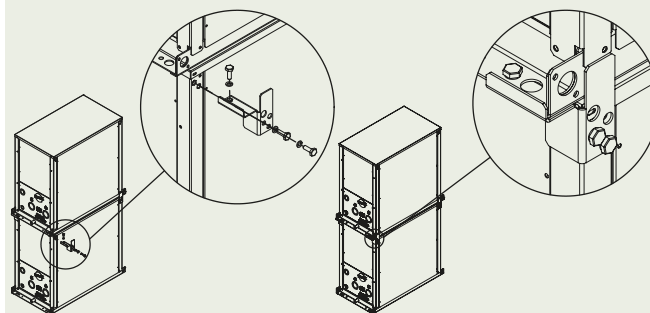
1) Unit efficiency energy level: Scale from A+++ to D. 2) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 813/2013. 3) With accessory low temperature kit -25 ~ +15°C. Available only as a spare part.

Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1.5m height.

Accessories	Price £
PAW-3WSK Stacking kit for vertically stacking up to 3 WHE (4 pieces per Kit)	157

Stacking kit PAW-3WSK.

It is possible to stack up to 3 units. When stacking units, always anchor the bottom unit to the ground using the anchor holes.





ECO G with Water Heat Exchanger for chilled and hot water production

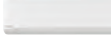
Hydrokit with A class water pump			PAW-500WP5G1	PAW-710WP5G1
Hydrokit without pump			PAW-500W5G1	PAW-710W5G1
Heating capacity	kW		60.0	80.0
Heating capacity at +7°C. heating water temperature at 35°C	kW		60.9	81.2
COP at +7°C with heating water temperature at 35°C	W/W		1.15	1.18
Heating capacity at +7°C. heating water temperature at 45°C	kW		60.0	80.0
COP at +7°C with heating water temperature at 45°C	W/W		1.02	1.04
Heating capacity at -7°C. heating water temperature at 35°C	kW		48.2	50.8
COP at -7°C. heating water temperature at 35°C	W/W		0.80	0.80
Heating capacity at -15°C. heating water temperature at 35°C	kW		46.3	50.0
COP at -15°C with heating water temperature at 35°C	W/W		0.80	0.80
Refrigeration load Pdesign	kW		48.0	—
Heating Energy Efficiency class at 35°C ¹⁾			A+	—
η _{sh} (LOT1) ²⁾	%		130.00	128.00
Cooling capacity	kW		—	—
Cooling capacity at +35°C. outlet temperature 7°C. inlet temperature 12°C	kW		50.0	67.0
EER at +35°C. outlet temperature 7°C. inlet temperature 12°C	W/W		0.78	0.89
Dimension	H x W x D	mm	1000 x 575 x 1110	1000 x 575 x 1110
Net weight		kg	155 (165 with pump)	160 (175 with pump)
Water pipe connector			Rp2 Female Thread (50A)	Rp2 Female Thread (50A)
Heating water flow (ΔT=5 K. 35°C)		m³/h	10.32	13.76
Capacity of integrated electric heater		kW	Not equipped	Not equipped
Flow switch			Equipped	Equipped
Water filter			Equipped	Equipped
Input power		kW	0.574 (with A class water pump) / 0.024 (without pump)	0.824 (with A class water pump) / 0.024 (without pump)
Maximum current		A	2.50 (with A class water pump) / 0.10 (without pump)	3.60 (with A class water pump) / 0.10 (without pump)
Outdoor unit			U-20GE3E5	U-30GE3E5
Sound power	Normal / Silent	dB	80 / 77	84 / 81
Dimension	H x W x D	mm	2255 x 1650 x 1000	2255 x 2026 x 1000
Net weight		kg	765	880
Piping connections	Liquid pipe	Inch (mm)	5/8 [15.88]	3/4 [19.05]
	Gas pipe	Inch (mm)	1-1/8 [28.58]	1-1/4 [31.75]
Pipe length / Pipe length for nominal capacity		m	7 / 170	7 / 170
Elevation difference (in/out)		m	50 (OD above) 35 (OD below)	50 (OD above) 35 (OD below)
Operation range	Heat Min ~ Max	°C	-21 ~ +24 (until outlet temperature 45)	-21 ~ +24 (until outlet temperature 45)
Water outlet temperature range	Cool Min ~ Max	°C	-15 ~ +15	-15 ~ +15
	Heat Min ~ Max	°C	+35 ~ +55	+35 ~ +55
Hydrokit with A class pump Price			£ 12290	£ 12937
Hydrokit without pump Price			£ 11249	£ 12290
Outdoor unit Price			£ 32185	£ 38428

1) Unit efficiency energy level: Scale from A+++ to D. 2) Seasonal space cooling/heating energy efficiency following COMMISSION REGULATION (EU) 813/2013.

Performance calculation in agreement with Eurovent. Sound pressure measured at 1m from the outdoor unit and at 1.5m height.

Accessories		Price £
PAW-3WSK	Stacking kit for vertically stacking up to 3 WHE (4 pieces per Kit)	157

ECOi and ECO G systems indoor units range

Page		1.5kW	2.2kW	2.8kW	3.0kW	3.6kW	4.0kW	4.5kW
P. 114	U2 Type 4 Way 90x90 Cassette		 S-22MU2E5A	 S-28MU2E5A		 S-36MU2E5A		 S-45MU2E5A
P. 114	Y2 Type 4 Way 60x60 Cassette	 S-15MY2E5A	 S-22MY2E5A	 S-28MY2E5A		 S-36MY2E5A		 S-45MY2E5A
P. 115	L1 Type 2 Way Cassette		 S-22ML1E5	 S-28ML1E5		 S-36ML1E5		 S-45ML1E5
P. 115	D1 Type 1 Way Cassette			 S-28MD1E5		 S-36MD1E5		 S-45MD1E5
P. 116	F2 Type Variable Static Pressure Hide Away	 S-15MF2E5A	 S-22MF2E5A	 S-28MF2E5A		 S-36MF2E5A		 S-45MF2E5A
P. 116	M1 Type Slim Variable Static Pressure Hide Away	 S-15MM1E5A	 S-22MM1E5A	 S-28MM1E5A		 S-36MM1E5A		 S-45MM1E5A
P. 117	E2 Type High Static Pressure Hide Away							
P. 117	Heat Recovery with DX Coil				 PAW-500ZDX3N		 PAW-800ZDX3N	 PAW-01KZDX3N
P. 118	T2 Type Ceiling					 S-36MT2E5A		 S-45MT2E5A
P. 118	K2 Type Wall-mounted	 S-15MK2E5A	 S-22MK2E5A	 S-28MK2E5A		 S-36MK2E5A		 S-45MK2E5A
P. 119	G1 Type Floor Console		 S-22MG1E5A	 S-28MG1E5A		 S-36MG1E5A		 S-45MG1E5A
P. 119	P1 Type Floor-standing		 S-22MP1E5	 S-28MP1E5		 S-36MP1E5		 S-45MP1E5
P. 119	R1 Type Concealed Floor-standing		 S-22MR1E5	 S-28MR1E5		 S-36MR1E5		 S-45MR1E5
P. 120	Hydrokit for ECOi, water at 45°C							

Page		16.0kW	28.0kW	56.0kW	84.0kW	112.0kW	140.0kW	168.0kW
P. 120	AHU Connection Kit 16, 28 and 56kW	 PAW-160MAH2/M/L	 PAW-280MAH2/M/L	 PAW-560MAH2/M/L	 PAW-280MAH2/M/L + PAW-560MAH2/M/L	 PAW-560MAH2/M/L x 2	 PAW-280MAH2/M/L + PAW-560MAH2/M/L x 2	 PAW-560MAH2/M/L x 3

Page		250m³/h	350m³/h	500m³/h	800m³/h	1000m³/h
P. 121	Energy Recovery Ventilation	 FY-250ZDY8R	 FY-350ZDY8R	 FY-500ZDY8R	 FY-800ZDY8R	 FY-01KZDY8R

5.6kW	6.0kW	7.3kW	9.0kW	10.6kW	14.0kW	16.0kW	22.4kW	28,0kW
								
S-56MU2E5A	S-60MU2E5A	S-73MU2E5A	S-90MU2E5A	S-106MU2E5A	S-140MU2E5A	S-160MU2E5A		
								
S-56MY2E5A								
								
S-56ML1E5		S-73ML1E5						
								
S-56MD1E5		S-73MD1E5						
								
S-56MF2E5A	S-60MF2E5A	S-73MF2E5A	S-90MF2E5A	S-106MF2E5A	S-140MF2E5A	S-160MF2E5A		
								
S-56MM1E5A								
								
							S-224ME2E5	S-280ME2E5

								
S-56MT2E5A	S-73MT2E5A	S-106MT2E5A	S-140MT2E5A					
								
S-56MK2E5A	S-73MK2E5A	S-106MK2E5A						
								
S-56MG1E5A								
								
S-56MP1E5	S-71MP1E5							
								
S-56MR1E5	S-71MR1E5							
								
		S-80MW1E5	S-125MW1E5					

Page		7.9kW	12.0kW	15.0kW	19.0kW	23.6kW	27.6kW
P. 121	Air Curtain LS type with DX Coil						
		PAW-10EAIRC-LS	PAW-15EAIRC-LS	PAW-20EAIRC-LS	PAW-25EAIRC-LS		
P. 121	Air Curtain HS type with DX Coil						
			PAW-10EAIRC-HS	PAW-15EAIRC-HS		PAW-20EAIRC-HS	PAW-25EAIRC-HS



ECONAVI, nanoe™ X and INTERNET CONTROL: Optional.



U2 Type 4 Way 90x90 Cassette

Tentative data

Model			S-22MU2E5A	S-28MU2E5A	S-36MU2E5A	S-45MU2E5A	S-56MU2E5A	S-60MU2E5A	S-73MU2E5A	S-90MU2E5A	S-106MU2E5A	S-140MU2E5A	S-160MU2E5A
Cooling capacity	kW		2.2	2.8	3.6	4.5	5.6	6.0	7.3	9.0	10.6	14.0	16.0
Input power cooling	W		20.00	20.00	20.00	20.00	25.00	35.00	40.00	40.00	95.00	100.00	115.00
Current (cool)	A		0.19	0.19	0.19	0.19	0.22	0.31	0.33	0.36	0.71	0.76	0.89
Heating capacity	kW		2.5	3.2	4.2	5.0	6.3	7.1	8.0	10.0	11.4	16.0	18.0
Input power heating	W		20.00	20.00	20.00	20.00	25.00	35.00	40.00	40.00	85.00	100.00	105.00
Current (heat)	A		0.17	0.17	0.17	0.17	0.20	0.30	0.32	0.34	0.65	0.73	0.80
Fan type			Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan	Turbo fan
Air volume	Hi/	m³/min	14.50/	14.50/	14.50/	15.50/	17.00/	21.00/	22.50/	23.00/	35.00/	36.00/	37.00/
	Med/		13.00/	13.00/	13.00/	13.00/	13.50/	16.00/	16.00/	18.50/	26.00/	27.00/	29.00/
	Lo		11.50	11.50	11.50	11.50	11.50	13.00	13.00	14.00	20.00	21.50	25.00
Sound pressure	Hi/	dB(A)	30/	30/	30/	31/	33/	36/	37/	38/	44/	45/	46/
	Med/		29/	29/	29/	29/	30/	32/	32/	35/	38/	39/	40/
	Lo		28	28	28	28	28	29	29	32	34	35	38
Sound power	Hi/	dB	45/	45/	45/	46/	48/	51/	52/	53/	59/	60/	61/
	Med/		44/	44/	44/	44/	45/	47/	47/	50/	53/	54/	55/
	Lo		43	43	43	43	43	44	44	47	49	50	53
Dimension (HxWxD)	Indoor	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
	Panel	mm	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950	33.5 x 950 x 950
Net weight (Panel)	kg		19(5)	19(5)	19(5)	19(5)	19(5)	20(5)	20(5)	20(5)	25(5)	25(5)	25(5)
Piping connections	Liquid	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)	3/8(9.52)
	Gas	Inch (mm)	1/2(12.70)	1/2(12.70)	1/2(12.70)	1/2(12.70)	1/2(12.70)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)	5/8(15.88)
Indoor unit Price	£		828	850	880	939	995	1014	1033	1142	1240	1407	1537
Panel Price	£		176	176	176	176	176	176	176	176	176	176	176



ECONAVI and INTERNET CONTROL: Optional.



Y2 Type 4 Way 60x60 Cassette

Model			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		35.00	35.00	35.00	40.00	40.00	45.00
Operating current cooling	A		0.30	0.30	0.30	0.30	0.32	0.35
Heating capacity	kW		1.7	2.5	3.2	4.2	5.0	6.3
Input power heating	W		30.00	30.00	30.00	35.00	35.00	40.00
Operating current heating	A		0.25	0.25	0.30	0.30	0.30	0.30
Fan type			Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan	Centrifugal fan
Air volume (Hi / Med / Lo)	Cool	m³/min	8.90/8.20/5.60	9.10/8.20/5.60	9.30/8.40/5.60	9.70/8.70/6.00	10.00/9.30/8.20	10.40/9.80/8.50
	Heat	m³/min	9.10/8.40/5.60	9.30/8.40/5.60	9.60/8.70/5.60	9.90/9.10/6.00	10.30/9.60/8.20	11.10/9.80/8.70
Sound pressure	Hi / Med / Lo	dB(A)	34/31/25	35/31/25	35/31/25	36/32/26	38/34/28	40/37/34
Sound power	Hi / Med / Lo	dB	49/46/40	50/46/40	50/46/40	51/47/41	53/49/43	55/52/49
Dimension (HxWxD)	Indoor	mm	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583	288 x 583 x 583
	Panel 3A	mm	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700	31 x 700 x 700
	Panel 3B	mm	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625	31 x 625 x 625
Net weight	kg		20.4(18+2.4)	20.4(18+2.4)	20.4(18+2.4)	20.4(18+2.4)	20.4(18+2.4)	20.4(18+2.4)
Piping connections	Liquid pipe	Inch (mm)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)	1/4(6.35)
	Gas pipe	Inch (mm)	1/2(12.70)	1/2(12.70)	1/2(12.70)	1/2(12.70)	1/2(12.70)	1/2(12.70)
Indoor unit Price	£		738	758	779	799	865	958
CZ-KPY3AW / CZ-KPY3BW Price	£		201	201	201	201	201	201



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		90.00	92.00	93.00	97.00	97.00	145.00
Operating current cooling	A		0.45	0.45	0.45	0.45	0.45	0.65
Heating capacity	kW		2.5	3.2	4.2	5.0	6.3	8.0
Input power heating	W		58.00	60.00	61.00	65.00	65.00	109.00
Operating current heating	A		0.29	0.29	0.29	0.29	0.29	0.48
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	8.00/7.00/6.00	9.00/8.00/7.00	9.70/8.70/7.70	11.00/9.00/8.00	11.00/9.00/8.00	19.00/16.00/14.00
Sound pressure	Hi / Med / Lo	dB(A)	30/27/24	33/29/26	34/31/28	35/33/29	35/33/29	38/35/33
Dimension (HxWxD)	Indoor	mm	350 x 840 x 600	350 x 840 x 600	350 x 840 x 600	350 x 840 x 600	350 x 840 x 600	350 x 1140 x 600
	Panel	mm	8 x 1060 x 680	8 x 1060 x 680	8 x 1060 x 680	8 x 1060 x 680	8 x 1060 x 680	8 x 1360 x 680
Net weight (Panel)		kg	26.0 (8.0)	26.0 (8.0)	26.0 (8.0)	26.0 (8.0)	26.0 (8.0)	26.0 (8.0)
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)
Indoor unit Price	£		1049	1072	1135	1310	1344	1393
CZ-02KPL2 Panel Price	£		314	314	314	314	314	-
CZ-03KPL2* Panel Price	£		-	-	-	-	-	375

* For S-73ML1E5.



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		51.00	51.00	51.00	60.00	87.00
Operating current cooling	A		0.39	0.39	0.39	0.46	0.70
Heating capacity	kW		3.2	4.2	5.0	6.3	8.0
Input power heating	W		40.00	40.00	40.00	48.00	76.00
Operating current heating	A		0.35	0.35	0.35	0.41	0.65
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	12.00/10.00/9.00	12.00/10.00/9.00	12.00/11.00/10.00	13.00/11.50/10.00	18.00/15.00/13.00
Sound pressure	Hi / Med / Lo	dB(A)	36/34/33	36/34/33	36/35/34	38/36/34	45/40/36
Dimension (HxWxD)	Indoor	mm	200 x 1000 x 710	200 x 1000 x 710	200 x 1000 x 710	200 x 1000 x 710	200 x 1000 x 710
	Panel	mm	20 x 1230 x 800	20 x 1230 x 800	20 x 1230 x 800	20 x 1230 x 800	20 x 1230 x 800
Net weight (Panel)		kg	23.5 (7.5)	23.5 (7.5)	23.5 (7.5)	23.5 (7.5)	24.5 (7.5)
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)
Indoor unit Price	£		1141	1207	1255	1285	1430
CZ-KPD2 Panel Price	£		331	331	331	331	331



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	70.00	70.00	70.00	70.00	70.00	100.00	120.00	120.00	135.00	195.00	215.00	225.00	
Current (cool)	A	0.57	0.57	0.57	0.57	0.57	0.74	0.89	0.89	0.97	1.30	1.44	1.50	
Heating capacity	kW	1.7	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	70.00	70.00	70.00	70.00	70.00	100.00	120.00	120.00	135.00	200.00	210.00	225.00	
Current (heat)	A	0.57	0.57	0.57	0.57	0.57	0.74	0.89	0.89	0.97	1.34	1.42	1.50	
Fan type		Sirocco fan												
Air volume ¹⁾	Hi/ Med/ Lo	m³/min	14.00/ 13.00/ 9.00	14.00/ 13.00/ 9.00	14.00/ 13.00/ 9.00	14.00/ 13.00/ 9.00	14.00/ 13.00/ 10.00	16.00/ 15.00/ 12.00	21.00/ 19.00/ 15.00	21.00/ 19.00/ 15.00	25.00/ 23.00/ 19.00	32.00/ 26.00/ 21.00	34.00/ 29.00/ 23.00	36.00/ 32.00/ 25.00
External static pressure	Pa	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	70 (10-150)	100 (10-150)	100 (10-150)	100 (10-150)	
Sound pressure	Hi/ Med/ Lo	dB(A)	33/ 29/ 22	33/ 29/ 22	33/ 29/ 22	33/ 29/ 22	34/ 32/ 25	34/ 32/ 25	35/ 32/ 26	35/ 32/ 26	37/ 34/ 28	38/ 34/ 31	39/ 35/ 32	40/ 36/ 33
Sound power	Hi/ Med/ Lo	dB	55/ 51/ 44	55/ 51/ 44	55/ 51/ 44	55/ 51/ 44	56/ 54/ 47	56/ 54/ 47	57/ 54/ 48	57/ 54/ 48	59/ 56/ 50	60/ 56/ 53	61/ 57/ 54	62/ 58/ 55
Dimension	HxWxD	mm	290x800 x700	290x800 x700	290x800 x700	290x800 x700	290x800 x700	290x800 x700	290x1000 x700	290x1000 x700	290x1000 x700	290x1400 x700	290x1400 x700	290x1400 x700
Net weight	kg		29	29	29	29	29	29	34	34	34	46	46	46
Piping connections	Liquid	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Price	£		784	802	820	880	921	959	1052	1063	1140	1290	1374	1500

1) Value referred to standard settings at shipment (H curve 8, M curve 5, L curve 1).



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	36.00	36.00	40.00	42.00	49.00	64.00
Operating current cooling		A	0.26	0.26	0.30	0.31	0.37	0.48
Heating capacity		kW	1.7	2.5	3.2	4.2	5.0	6.3
Input power heating		W	26.00	26.00	30.00	32.00	39.00	54.00
Operating current heating		A	0.23	0.23	0.27	0.28	0.34	0.45
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	8.00/7.00/6.00	8.00/7.00/6.00	8.50/7.50/6.50	9.00/8.00/7.00	10.50/9.50/8.00	12.50/11.50/10.00
External static pressure		Pa	10 [30]	10 [30]	15 [30]	15 [40]	15 [40]	15 [40]
Sound pressure	Hi / Med / Lo ¹⁾	dB(A)	28/27/25 (30/29/27)	28/27/25 (30/29/27)	30/29/27 (32/31/29)	32/30/28 (34/32/30)	34/32/30 (36/34/32)	35/33/31 (37/35/32)
Sound power	Hi / Med / Lo	dB	43/42/40	43/42/40	45/44/42	47/45/43	49/47/45	50/48/46
Dimension	H x W x D	mm	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640	200 x 750 x 640
Net weight		kg	19	19	19	19	19	19
Piping connections	Liquid pipe	Inch (mm)	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]
	Gas pipe	Inch (mm)	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]	1/2 [12.70]
Price		£	710	731	753	785	817	855

1) By DIP switches or by RC setting.



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	290.00	290.00	350.00	350.00	440.00	440.00	715.00	715.00
Operating current	A	1.85	1.85	2.20	2.20	2.45	2.45	3.95	3.95
Air volume	Hi / Med / Lo m³/min	28.30 / — / —		35.00 / — / —		56.00 / 51.00 / 44.00		72.00 / 63.00 / 53.00	
External static pressure	Pa	200		200		140 (60 - 270) ¹⁾		140 (72 - 270) ¹⁾	
Sound pressure ²⁾	Hi / Med / Lo dB(A)	43 / — / —		44 / — / —		45 / 43 / 41		49 / 47 / 43	
Sound power	Hi / Med / Lo dB	75 / — / —		76 / — / —		77 / 75 / 73		81 / 79 / 75	
Dimension	H x W x D mm	479 x 1453 x 1205		479 x 1453 x 1205		479 x 1453 x 1205		479 x 1453 x 1205	
Net weight	kg	102		106		102		106	
Piping connections	Liquid pipe	Inch (mm)	3/8 (9.52)	3/8 (9.52)		3/8 (9.52)		3/8 (9.52)	
	Gas pipe	Inch (mm)	3/4 (19.05)	7/8 (22.22)		3/4 (19.05)		7/8 (22.22)	
Price	£	4423		4751		4423		4751	

KIT for 100% Fresh air function for 2 Way systems		Price £
2x CZ-P160RVK2	Rap valve kit	942
2x CZ-CAPE2	3 Way control PCB	154
P680BK2BM	Distribution Joint kit	90
	1x Remote controller	

KIT for 100% Fresh air function for 3 Way systems		Price £
2x CZ-P160HR3	3 Way valve Kit	864
2x CZ-CAPE2	3 Way control PCB	154
P680BH2BM	Distribution Joint kit	150
	1x Remote controller	

Rating Conditions for 100% Fresh air duct function: Cooling Outdoor 33°C DB / 28°C WB. Heating Outdoor 0°C DB / -2.9°C WB. 1) Available to select the setting by initial setup. 2) Values with 140Pa setting. * No filter included.

No compatible with 3-Pipe ECO G GF3.



INTERNET CONTROL: Optional.



Heat Recovery with DX Coil

Model			PAW-500ZDX3N		PAW-800ZDX3N		PAW-01KZDX3N	
Power source	Voltage	V	230		230		230	
	Phase		Single Phase		Single Phase		Single Phase	
	Frequency	Hz	50		50		50	
Air volume		m³/min	8.33		13.33		16.67	
External static pressure ¹⁾		Pa	90		120		115	
Maximum current	Total full load	A	0.6		1.4		2.1	
Input power		W	150		320		390	
Sound pressure ²⁾		dB(A)	39		42		43	
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)		1/4 (6.35)		1/4 (6.35)	
	Gas pipe	Inch (mm)	1/2 (12.70)		1/2 (12.70)		1/2 (12.70)	
Heat recovery			Cooling	Heating	Cooling	Heating	Cooling	Heating
Temperature efficiency	%		76	76	76	76	76	76
Enthalpy efficiency	%		63	67	63	65	60	62
Saved power summer mode or winter mode*	kW		1.70	4.30 (4.80)	2.50	6.50 (7.30)	3.20	8.20 (9.00)
DX Coil								
Total / Sensible capacity	kW		3.00 / 2.10	2.50 / 2.70	5.10 / 3.50	4.40 / 4.80	5.80 / 4.10	5.20 / 6.70
OFF temperature	°C		15.9	28.0 (27.3)	15.5	29.6 (29.0)	16.2	28.5 (27.8)
OFF relative humidity	%		90	16 (15)	90	14 (13)	89	15 (14)
Price	£		3006		3706		4320	

Nominal summer conditions: Outside air: 32°C DB. RH 50%. Ambient air: 26°C DB. RH 50%. Nominal winter conditions: Outside air: -5°C DB. RH 80%. Ambient air: 20°C DB. RH 50%. Cooling mode air inlet condition: 28.5°C DB. RH 50%; evaporating temperature 7°C. Heating mode air inlet condition: 13°C DB. RH 40% (11°C DB. RH 45%); condensating temperature 40°C. DB: Dry Bulb; RH: Relative Humidity. 1) Referred to the nominal air flow after filter and plate heat exchanger. 2) Sound pressure level calculated at 1m far from: ducted supply exhaust air ducted return - first air intake / service side. at normal condition. * Tentative data.



ECONAVI and INTERNET CONTROL: Optional.

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	35.00	40.00	40.00	55.00	80.00	100.00
Operating current cooling	A	0.36	0.38	0.38	0.44	0.67	0.79
Heating capacity	kW	4.2	5.0	6.3	8.0	11.4	16.0
Input power heating	W	35.00	40.00	40.00	55.00	80.00	100.00
Operating current heating	A	0.36	0.38	0.38	0.44	0.67	0.79
Fan type		Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min 14.00/12.00/10.50	15.00/12.50/10.50	15.00/12.50/10.50	21.00/18.00/15.50	30.00/25.00/23.00	32.00/28.00/24.00
Sound pressure	Hi / Med / Lo	dB(A) 36/32/30	37/33/30	37/33/30	39/35/33	42/37/36	46/40/37
Sound power	Hi / Med / Lo	dB 54/50/48	55/51/48	55/51/48	57/53/51	60/55/54	62/58/55
Dimension	H x W x D	mm 235 x 960 x 690	235 x 960 x 690	235 x 960 x 690	235 x 1275 x 690	235 x 1590 x 690	235 x 1590 x 690
Net weight	kg	27	27	27	33	40	40
Piping connections	Liquid pipe	Inch (mm) 1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm) 1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)	5/8 (15.88)
Price	£	1149	1207	1266	1322	1610	1840

* Tentative data.



ECONAVI and INTERNET CONTROL: Optional.

K2 Type Wall-mounted

Model		S-15MK2E5A	S-22MK2E5A	S-28MK2E5A	S-36MK2E5A	S-45MK2E5A	S-56MK2E5A	S-73MK2E5A	S-106MK2E5A
Cooling capacity	kW	1.5	2.2	2.8	3.6	4.5	5.6	7.3	10.6
Input power cooling	W	25.00	25.00	25.00	30.00	30.00	35.00	55.00	80.00
Operating current cooling	A	0.20	0.21	0.23	0.25	0.32	0.35	0.51	0.70
Heating capacity	kW	1.7	2.5	3.2	4.2	5.0	6.3	8.0	11.4
Input power heating	W	25.00	25.00	25.00	30.00	30.00	35.00	55.00	80.00
Operating current heating	A	0.20	0.21	0.23	0.25	0.32	0.35	0.51	0.70
Fan type		Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Air volume	Cool	m³/min 7.90/7.40/6.50	9.00/7.50/6.50	9.50/8.30/6.50	10.90/9.00/6.50	14.50/12.50/10.00	16.00/14.00/12.00	19.50/17.00/14.00	21.50/18.50/15.00
	Heat	m³/min 9.00/7.70/6.80	9.20/8.30/6.80	9.70/8.50/6.80	11.20/9.50/6.80	14.50/12.50/10.00	16.00/14.00/12.00	19.50/17.00/14.00	21.50/18.50/15.00
Sound pressure	Hi / Med / Lo	dB(A) 34/32/29	36/33/29	37/34/29	40/36/29	38/35/33	40/37/35	47/44/40	49/46/42
Sound power	Hi / Med / Lo	dB 49/47/44	51/48/44	52/49/44	55/51/44	53/50/48	55/52/50	62/59/55	64/61/57
Dimension	H x W x D	mm 290 x 870 x 214	290 x 870 x 214	290 x 870 x 214	290 x 870 x 214	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
Net weight	kg	9	9	9	9	13	13	14	14
Piping connections	Liquid pipe	Inch (mm) 1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)	3/8 (9.52)
	Gas pipe	Inch (mm) 1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)	5/8 (15.88)
Price	£	553	572	571	600	688	731	867	969



ECONAVI and INTERNET CONTROL: Optional.



G1 Type Floor Console

Model			S-22MG1E5A	S-28MG1E5A	S-36MG1E5A	S-45MG1E5A	S-56MG1E5A
Cooling capacity	kW		2.2	2.8	3.6	4.5	5.6
Input power cooling	W		18.00	18.00	20.00	26.00	29.00
Operating current cooling	A		0.18	0.18	0.21	0.23	0.25
Heating capacity	kW		2.5	3.2	4.2	5.0	6.3
Input power heating	W		19.00	19.00	21.00	27.00	30.00
Operating current heating	A		0.18	0.18	0.22	0.24	0.26
Fan type			Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Air volume	Cool (Hi / Med / Lo)	m³/min	9.20/7.50/6.00	9.20/7.50/6.00	9.70/8.20/6.00	10.50/9.00/6.50	12.00/9.50/6.50
	Heat (Hi / Med / Lo)	m³/min	9.70/8.00/6.50	9.70/8.00/6.50	10.20/8.70/6.50	11.00/9.50/7.00	12.50/10.00/7.00
Sound pressure	Hi / Med / Lo	dB(A)	38/34/29	38/34/29	39/35/29	42/37/30	44/38/30
Dimension	H x W x D	mm	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207	600 x 750 x 207
Net weight		kg	14	14	14	14	14
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)
Price	£		1107	1164	1225	1294	1390



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-71MP1E5
Model R1 Type			S-22MR1E5	S-28MR1E5	S-36MR1E5	S-45MR1E5	S-56MR1E5	S-71MR1E5
Cooling capacity	kW		2.2	2.8	3.6	4.5	5.6	7.1
Input power cooling	W		56.00	56.00	85.00	126.00	126.00	160.00
Operating current cooling	A		0.25	0.25	0.38	0.56	0.56	0.72
Heating capacity	kW		2.5	3.2	4.2	5.0	6.3	8.0
Input power heating	W		40.00	40.00	70.00	91.00	91.00	120.00
Operating current heating	A		0.18	0.18	0.31	0.41	0.41	0.54
Fan type			Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan	Sirocco fan
Air volume	Hi / Med / Lo	m³/min	7.00/6.00/5.00	7.00/6.00/5.00	9.00/7.00/6.00	12.00/9.00/8.00	15.00/13.00/11.00	17.00/14.00/12.00
External static pressure	Pa		15	15	15	15	15	15
Sound pressure	Hi / Med / Lo	dB(A)	33/30/28	33/30/28	39/35/29	38/35/31	39/36/31	41/38/35
Dimensions P1	H x W x D	mm	615 x 1065 x 230	615 x 1065 x 230	615 x 1065 x 230	615 x 1380 x 230	615 x 1380 x 230	615 x 1380 x 230
Net weight P1		kg	29	29	29	39	39	39
Dimensions R1	H x W x D	mm	616 x 904 x 229	616 x 904 x 229	616 x 904 x 229	616 x 1219 x 229	616 x 1219 x 229	616 x 1219 x 229
Net weight R1		kg	21	21	21	28	28	28
Piping connections	Liquid pipe	Inch (mm)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	1/4 (6.35)	3/8 (9.52)
	Gas pipe	Inch (mm)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	1/2 (12.70)	5/8 (15.88)
Price P1 Type	£		1013	1033	1074	1196	1220	1260
Price R1 Type	£		941	960	1008	1106	1134	1164



Hydrokit for ECOi. water at 45°C

Model				S-80MW1E5	S-125MW1E5
Power source				230V / Single Phase / 50 Hz	230V / Single Phase / 50 Hz
Cooling capacity		kW		8.0	12.5
Heating capacity		kW		9.0	14.0
Maximum temperature		°C		~45 / ~65 ¹⁾	~45 / ~65 ¹⁾
Dimension	H x W x D		mm	892 x 502 x 353	892 x 502 x 353
Water pipe connector		Inch		R 1 ¼	R 1 ¼
Water pump (built-in)				DC motor (A class)	DC motor (A class)
Water flow rate	Cool	L/min		22.90	35.80
	Heat	L/min		25.80	40.10
Piping connections	Liquid pipe	Inch (mm)		3/8 [9.52]	3/8 [9.52]
	Gas pipe	Inch (mm)		5/8 [15.88]	5/8 [15.88]
	Drain piping			15 ~ 17mm (inner size)	15 ~ 17mm (inner size)
Operation range	Cool	Ambient	°C	+10 ~ +43	+10 ~ +43
		Water	°C	+5 ~ +20	+5 ~ +20
	Heat	Ambient	°C	-20 ~ +43	-20 ~ +43
		Water	°C	+25 ~ +45	+25 ~ +45
Connectable system				3-Pipe (heat recovery type) VRF System (system capable up to 48HP)	
Maximum Indoor ratio (connectable hydrokit module capacity ratio)				Total indoor unit + Hydrokit capacity: up to 130% (** ~ *** vs total outdoor unit capacity)	
Price		£		2600	3120

1) Max 45°C by refrigerant circuit (heat pump cycle). over 45°C is provided by electric heater operation.

Panasonic Ventilation Solutions



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

		Price £
PAW-160MAH2	AHU Kit for 16kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)	1456
PAW-280MAH2	AHU Kit for 28kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)	1590
PAW-560MAH2	AHU Kit for 56kW (IP 65, 0-10V demand control*, Outdoor temperature shift compensation. Cold draft prevention)	1680
PAW-160MAH2M	AHU Kit for 16kW (IP 65, 0-10V demand control*)	1310
PAW-280MAH2M	AHU Kit for 28kW (IP 65, 0-10V demand control*)	1431
PAW-560MAH2M	AHU Kit for 56kW (IP 65, 0-10V demand control*)	1596
PAW-160MAH2L	AHU Kit for 16kW (IP 65)	1170
PAW-280MAH2L	AHU Kit for 28kW (IP 65)	1294
PAW-560MAH2L	AHU Kit for 56kW (IP 65)	1500

* With CZ-CAPBC2.



Air Curtain with DX Coil

Outdoor unit			4HP	4HP	5HP	8HP
Air outlet height 2.7m			PAW-10EAIRC-LS	PAW-15EAIRC-LS	PAW-20EAIRC-LS	PAW-25EAIRC-LS
Air volume	High	m³/h	1800	2700	3600	4500
Cooling capacity ¹⁾	Max	kW	6.1	9.7	13.0	17.0
Heating capacity ²⁾	Max	kW	7.9	12.0	15.0	19.0
Heat Exchanger	Volume	L	1.67	2.85	3.94	5.03
Piping connections	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)
Electric consumption fan	230V / 50Hz	kW	0.30	0.50	0.60	0.80
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	2.10	3.10	4.10	5.10
Sound pressure ³⁾	Max	dB(A)	65	66	67	69
Dimension ⁴⁾ / Weight	H x W x D	mm / kg	260(+140) x 1000 x 460 / 50	260(+140) x 1500 x 460 / 65	260(+140) x 2000 x 460 / 80	260(+140) x 2500 x 460 / 95
Door width		m	1.0	1.5	2.0	2.5
Refrigerant			R410A	R410A	R410A	R410A
Price		£	7067	8347	9392	10508

Outdoor unit			4HP	6HP	8HP	10HP
Air outlet height 3.0m			PAW-10EAIRC-HS	PAW-15EAIRC-HS	PAW-20EAIRC-HS	PAW-25EAIRC-HS
Air volume	High	m³/h	2700	3600	5400	6300
Cooling capacity ¹⁾	Max	kW	9.1	13.0	19.5	23.7
Heating capacity ²⁾	Max	kW	11.8	15.8	23.6	27.6
Heat Exchanger	Volume	L	1.67	2.85	3.94	5.12
Piping connections	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)
Electric consumption fan	230V / 50Hz	kW	0.75	1.00	1.50	1.75
Fan type			EC	EC	EC	EC
Current	230V / 50Hz	A	4.10	5.50	8.20	9.60
Sound pressure ³⁾	Max	dB(A)	66	67	68	68
Dimension ⁴⁾ / Weight	H x W x D	mm / kg	260(+140) x 1000 x 460 / 55	260(+140) x 1500 x 460 / 65	260(+140) x 2000 x 460 / 85	260(+140) x 2500 x 460 / 110
Door width		m	1.0	1.5	2.0	2.5
Refrigerant			R410A	R410A	R410A	R410A
Price		£	7363	8579	9799	10721

Accessories		Price £
PAW-AIR1-DP	Optional drain pump	440

1) Cooling capacity DX Coil, air temperature in/out +27/+18°C, R32 and R410. 2) Heating capacity condenser, air temperature in/out +20/+33°C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary. 3) Measured in distance up to 5.0m, direction factor 2, absorbing surfaces 200m², Min / Max air volume. 4) 140mm is the height of an electrical box if it is installed on the top.



Energy Recovery Ventilation System

Rated flow rate		250m³/h			350m³/h			500m³/h			800m³/h			1000m³/h		
Models		FY-250ZDY8R			FY-350ZDY8R			FY-500ZDY8R			FY-800ZDY8R			FY-01KZDY8R		
Power source		220V / 240V / 50Hz			220V / 240V / 50Hz			220V / 240V / 50Hz			220V / 240V / 50Hz			220V / 240V / 50Hz		
Heat exchange ventilation		E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low
Input power	W	112.00/128.00	108.00/123.00	87.00/96.00	182.00/190.00	178.00/185.00	175.00/168.00	263.00/289.00	204.00/225.00	165.00/185.00	387.00/418.00	360.00/378.00	293.00/295.00	437.00/464.00	416.00/432.00	301.00/311.00
Air volume	m³/h	250	250	190	350	350	240	500	500	440	800	800	630	1000	1000	700
External static pressure	Pa	105	95	45	140	60	45	120	60	35	140	110	55	105	80	75
Sound power	dB	30.00/31.50	29.50/30.50	23.50/26.50	32.50/33.00	30.50/31.00	22.50/25.50	36.50/37.50	34.50/35.50	31.00/32.50	37.00/37.50	36.50/37.00	33.50/34.50	37.50/38.50	37.00/37.50	33.50/34.50
Temperature exchange efficiency	%	75	75	77	75	75	78	75	75	76	75	75	76	75	75	79
Normal ventilation		E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low	E-High	High	Low
Input power	W	112.00/128.00	108.00/123.00	87.00/96.00	182.00/190.00	178.00/185.00	175.00/168.00	263.00/289.00	204.00/225.00	165.00/185.00	387.00/418.00	360.00/378.00	293.00/295.00	437.00/464.00	416.00/432.00	301.00/311.00
Air volume	m³/h	250	250	190	350	350	240	500	500	440	800	800	630	1000	1000	700
External static pressure	Pa	105	95	45	140	60	45	120	60	35	140	110	55	105	80	75
Sound power	dB	30.00/31.50	29.50/30.50	23.50/26.50	32.50/33.00	30.50/31.00	22.50/25.50	37.50/38.50	37.00/38.00	31.00/32.50	37.00/37.50	36.50/37.00	33.50/34.50	39.50/40.50	39.00/39.50	35.50/36.50
Temperature exchange efficiency	%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dimension	H x W x D	mm 270 x 882 x 599			mm 317 x 1050 x 804			mm 317 x 1090 x 904			mm 388 x 1322 x 884			mm 388 x 1322 x 1134		
Net weight	kg	29			49			57			71			83		
Price	£	994			1220			1510			2120			2400		

This noise of the product is the value which was measured at the acoustic room. Actually, in the established condition, that undergo influence by the echoing of the room and so that become bigger than the display numerical value. The input, the current and the exchange efficiency are values at the time of the mentioned air volume. The noise level shall be measured 1.5m below the centre of the unit. The temperature exchange efficiency averages that of when cooling and when heating.

PRO-HT Tank Series for ECOi



PRO-HT TANK

PRO-HT Tank DHW

PRO-HT Tank			PAW-VP750-1-G3L	PAW-VP1000-1-G3L
Outdoor Unit			U-16MF3E8	U-16MF3E8
Volume	L		726	933
Height	H x W	mm	1855 x 990	2210 x 990
Connections to the water supply network			1 1/4"	1 1/4"
Net weight / with water	kg		179 / 929	191 / 1121
Nominal electrical power	kW		5.12	6.14
Reference tapping cycle			2XL	2XL
Energy consumption by chosen cycle A7 / W10-55	kWh		4.14	5.10
Energy consumption by chosen cycle A15 / W10-55	kWh		3.50	4.61
COP DHW (A7 / W10-55) EN 16147 ¹⁾			5.29	4.81
COP DHW (A15 / W10-55) EN 16147 ²⁾			7.01	5.32
Standby input power according to EN16147	W/h		77	80
Sound pressure at 1m	dB(A)		52	52
Quantity of refrigerant	Kg		8.3	8.3
Average insulation thickness	mm		100	100
Heat exchanger connection for inlet / outlet	Inch (mm)		1/2(12.70) / 3/4(19.05)	1/2(12.70) / 3/4(19.05)
Maximum power consumption without heater	kWh		20.4	20.4
Maximum power consumption with heater	kWh		26.4	26.4
Number of electrical heaters x power	W		1 x 6000	1 x 6000
Voltage / Frequency	V / Hz		400 / 50	400 / 50
Electrical fuse rating	A		16	16
Moisture protection			IP24	IP24
Maximum pipe length	m		50	50
Elevation difference (in/out)	m		30/30	30/30
Operating range - outdoor temperature	°C		-20 ~ +35	-20 ~ +35
Maximum water temperature (heat pump)	°C		65	65
Maximum water temperature (electrical heater)	°C		85	85
Refrigerant (R410A) / CO ₂ Eq.	kg / T		8.3 / 17.1	8.3 / 17.1
PRO-HT Tank Kit Price (includes PAW-G3L Kit)	£		11499	12185
Outdoor unit Price	£		12012	12012

Accessories	Price £
PAW-VP-RTC5B-VRF Tank Controller for ECOi system	1206
PAW-VP-VALV-160 Expansion valve kit 16kW	33

Accessories	Price £
PAW-VP-VALV-280 Expansion valve kit 28kW	89

1) Heating of sanitary water up to 55°C with inlet air temperature at 7°C, humidity at 89% and inlet water temperature at 10°C. According to EN16147. 2) Heating of sanitary water up to 55°C with inlet air temperature at 15°C, humidity at 74% and inlet water temperature at 10°C. According to EN16147. 3) Following LOT2 (COMMISSION DELEGATED REGULATION (EU) No. 812/2013).

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

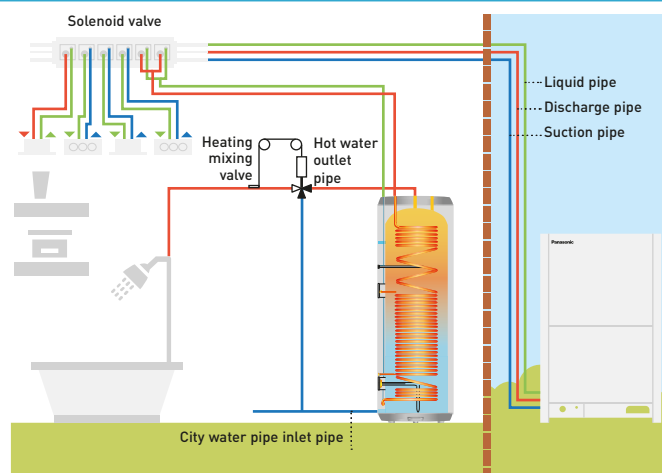


Solution example DHW tank 1000L + ECOi 3-Pipe mixed system

- Ideal offer for hotel projects
- DHW production under spontaneous heating and cooling
- Hot water up to 65°C is efficiently produced by heat recovery
- A7 COP 6,7 considering heat recovery

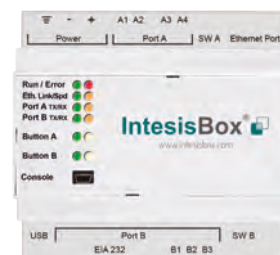
One by one system compatible list with ECOi

Model	Tank type	Product compatibility	Hot water outlet temperature
PAW-VP750LDHW-1	DHW	U-16MF3 (3-Pipe)	65°C
PAW-VP1000LDHW-1	DHW	U-16MF3 (3-Pipe)	65°C



BMS interface with P-Link

BMS interface with Panasonic communication bus helps you to get significant savings.



1 Direct connection to P-Communication bus

- No need for additional gateway (CZ-CFUNC2)
- Significant 50% cost saving for BMS interface*
- Avoid mistakes and reduce configuration time.

* In the case of PAW-AC2-BAC-16P by Panasonic calculation.

2 Upgraded specifications and easy configuration

- Base PCB board with MCU, Ethernet, RS485, RS232 & USB
- Configuration by IP or USB
- New single configuration tool for all models (IntesisBox MAPS)
- Modular expansion PCBs (KNX, RS485, DALI, MBUS, LON, ANYBUS)

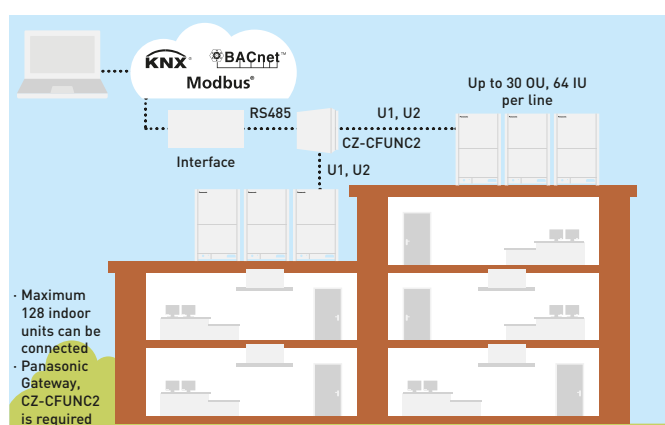
3 BTL certified for BACnet

- BACnet: Version 14 and BTL certified

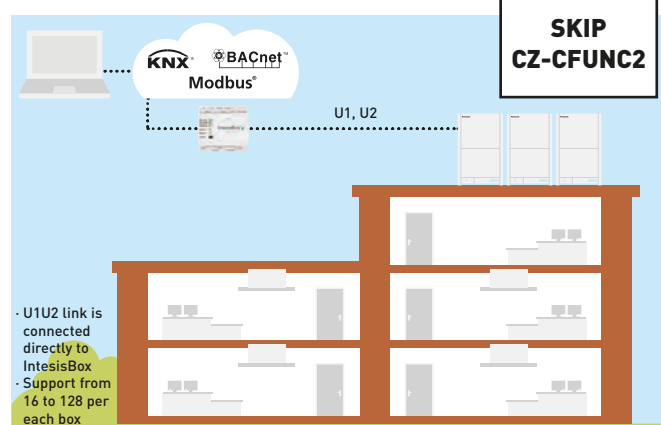
Direct connection to P-Communication bus

The interface can provide faster, cheaper, easier solution in your projects!

Conventional interface.



Interface with P-communication bus.



Upgraded specifications and easy configuration

- Base PCB board with MCU, Ethernet, RS485, RS232 and USB
- Modular expansion PCBs (KNX, RS485, DALI, MBUS, LON, ANYBUS)
- Frontal PCB with all LEDs, buttons and USB console Port
- New single configuration tool for all models (IntesisBox MAPS)

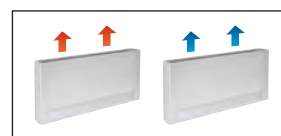
- Improved version of the current communication Stacks, BTL and KNX Certifications will be possible
- Recovery of current configuration project working in V6
- Local logging of interface data via USB without the need for a PC
- Configuration by IP or USB (old generation RS232)
- CB Certification for EU, US, CA and AU. Also UL marked product

PAW-AC2-BAC-16P	BACnet Interface for 16 indoors
PAW-AC2-BAC-64P	BACnet Interface for 64 indoors
PAW-AC2-BAC-128P	BACnet Interface for 128 indoors

PAW-AC2-MBS-16P	16 indoor units
PAW-AC2-MBS-64P	64 indoor units
PAW-AC2-MBS-128P	128 indoor units

PAW-AC2-KNX-16P	KNX Interface for 16 indoors
PAW-AC2-KNX-64P	KNX Interface for 64 indoors

Smart Fan Coil



PAW-AAIR-200-2					PAW-AAIR-700-2			PAW-AAIR-900-2		
Air flow	Speed	Min	Med	Max	Min	Med	Max	Min	Med	Max
Heating mode										
Total heating capacity	W	217.0	470.0	570.0	708.0	1032.0	1188.0	886.0	1420.0	1703.0
Water flow	kg/h	37.30	80.80	98.00	121.80	177.50	204.30	152.40	244.20	292.90
Water pressure drop	kPa	0.40	2.00	2.90	0.30	0.80	1.00	0.50	1.60	2.20
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00
Outlet air temperature	°C	38.90	32.00	30.00	33.30	31.80	30.60	30.20	31.10	30.60
Cooling mode										
Total cooling capacity	W	237.0	345.0	555.0	756.0	1039.0	1204.0	1153.0	1518.0	1746.0
Sensible cooling capacity	W	230.0	314.0	504.0	646.0	903.0	1058.0	1061.0	1384.0	1598.0
Water flow	kg/h	40.00	59.00	95.00	129.00	178.00	207.00	198.00	261.00	300.00
Water pressure drop	kPa	0.40	2.00	2.90	1.00	2.00	2.00	6.00	9.00	12.00
Inlet water temperature	°C	10	10	10	10	10	10	10	10	10
Outlet water temperature	°C	15	15	15	15	15	15	15	15	15
Inlet air temperature	°C	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00	27.00
Outlet air temperature	°C	15.00	17.00	18.00	14.00	16.00	17.00	16.00	17.00	18.00
Relative humidity of inlet air	%	47	47	47	47	47	47	47	47	47
Air flow	m³/min	0.90	1.90	2.70	2.60	4.20	5.30	4.10	6.10	7.70
Maximum input power	W	7.00	9.00	13.00	14.00	18.00	22.00	16.00	20.00	24.00
Sound pressure	dB(A)	23	33	40	24	36	42	25	36	44
Dimension (H x W x D)	mm	735 x 579 x 129			935 x 579 x 129			1135 x 579 x 129		
Net weight	kg	17			20			23		
3 Ways valve included		Yes			Yes			Yes		
Touch screen thermostat		Yes			Yes			Yes		
Price	£	590			639			765		

Accessories	Price £
PAW-AAIR-LEGS-1 Kits of 2 legs to support the Smart Fan Coil on the floor and to protect the water pipings	45

Accessories	Price £
PAW-AAIR-RHCABLE Motor connection cable for units with hydraulic connections on the right	20

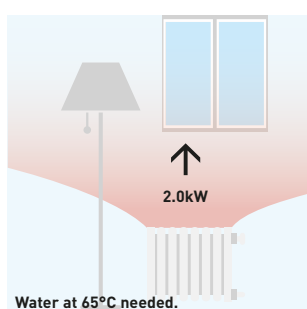
Super low temperature radiators for heat pump application

The slimline Panasonic Smart Fan Coil deliver high efficiency climate control.

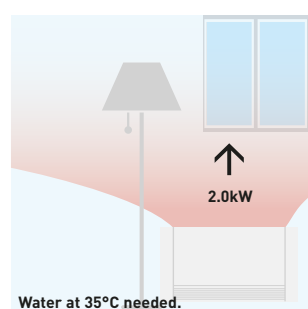
With a depth of just under 13cm they are at the cutting edge of the market. Blending easily into the home, Smart Fan Coil's elegant design and product refinements are clear to see in every detail.

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

With standard cast radiators.



With Smart Fan Coil.



Technical focus:

- High heating capacity
- 3 fan speeds and capacities
- Exclusive design
- Extremely compact (only 12.9cm deep)
- Cooling and dehumidification functions possible (drain is needed)
- 3-way valve included (no overflow valve needed on the installation if more than 3 radiators installed)
- Touch screen thermostat

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

Fan Coils



PAW-FC-903TC
Optional Controller.
Wired remote
controller.



PAW-FC-RC1
Optional Controller.
Advanced wired
remote controller.

Compact units											High Static Pressure
Left side connection			PAW-FC-D11-1	PAW-FC-D15-1	PAW-FC-D24-1	PAW-FC-D28-1	PAW-FC-D40-1	PAW-FC-D55-1	PAW-FC-D65-1	PAW-FC-D90-1	PAW-FC-H150
Right side connection			PAW-FC-D11-1-R	PAW-FC-D15-1-R	PAW-FC-D24-1-R	PAW-FC-D28-1-R	PAW-FC-D40-1-R	PAW-FC-D55-1-R	PAW-FC-D65-1-R	PAW-FC-D90-1-R	PAW-FC-H150-R
Total cooling capacity ¹⁾	Med/S-Hi	kW	1.0/1.5	1.2/1.7	2.0/2.5	2.4/3.2	3.2/4.6	4.6/5.8	6.1/7.3	6.1/8.1	11.9/14.8
Sensible cooling capacity ¹⁾	Med/S-Hi	kW	0.8/1.1	0.9/1.3	1.5/1.9	1.8/2.3	2.2/3.3	3.3/4.5	4.3/5.1	4.6/6.3	9.6/12.9
Heating capacity ¹⁾	Med/S-Hi	kW	1.4/2.0	1.5/2.2	2.4/3.1	2.9/4.0	4.1/5.7	5.3/7.1	7.9/9.3	8.1/11.6	14.9/19.9
Power consumption	S-Lo/Med/S-Hi	W	13/24/36	10/18/29	16/37/45	15/37/56	28/55/72	37/75/105	53/100/147	90/112/188	180/421/675
Fuse rating		A	2	2	2	2	2	2	2	2	6
Dimensions ²⁾	H x W x D	mm	220x570x430	220x570x430	220x753x430	220x938x430	220x1122x430	220x1307x430	220x1121x530	220x1316x530	376x1600x798
Weight ³⁾		kg	13	13	15	20	22	26	27	38	63
Sound power global	S-Lo/Med/S-Hi	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/46/56	38/51/58	43/56/61	50/55/64	52/64/71
Sound pressure global	S-Lo/Med/S-Hi	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52	41/46/55	31/45/51
Static pressure	Max	Pa	30	30	50	50	70	70	70	70	110
Airflow ¹⁾	Med/S-Hi	m³/h	190/283	179/265	274/390	357/499	486/716	640/933	893/1064	936/1397	2112/3176
Water pressure drop	Med/S-Hi	kPa	19.5/39.2	3.9/6.3	19.3/28.8	17.1/28	22.8/46.9	37.4/60.2	15.4/21.5	19.3/32.5	19.8/26.1
Fan speeds			3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds
Fan motor and total number of speeds			AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds
Drain pan and Air filter			Included	Included	Included	Included	Included	Included	Included	Included	Included
Water connections		Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1
Price		£	224	235	245	296	316	347	377	541	724

Accessories	Price £
PAW-FC-RC1 Advanced wired remote controller for Fan Coil	77
PAW-FC-903TC NEW Wired remote controller for Fan Coil	70
PAW-FC-2WY-11/55-1 2 Way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)	54
PAW-FC-2WY-65/90-1 2 Way valve + drain pan (for PAW-FC-D65/90-1)	62
PAW-FC-2WY-150 2 Way valve (for PAW-FC-H150)	133

Accessories	Price £
PAW-FC-3WY-11/55-1 3 Way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)	80
PAW-FC-3WY-65/90-1 3 Way valve + drain pan (for PAW-FC-D65/90-1)	91
PAW-FC-3WY-150 3 Way valve (for PAW-FC-H150)	173

1) Airflow and capacity at 0Pa of static pressure. * Performances based on: Cooling: Air: 27°C DB / 19°C WB, Chilled water: 7°C / 12°C - Heating: Air: 20°C DB, Hot water: 50°C / 45°C. 2) Including pan and electrical box. 3) Without water content.

Range of Fan Coil units

Easy to install, improved sound level and performance. The fan coil range consists of a compact ducted range ideal for residential and commercial use and one model with high static pressure for commercial applications. All units are certified by Eurovent, include drain pan and filter and are equipped with a low consumption fan motor. The D type is even more flexible thanks to an L-shaped drain pan. The unit can be installed either in a horizontal or in a vertical position.

1 Innovation for an optimum comfort

3 Efficient high-quality coil

2 Low energy consumption fan

4 Flexible installation: vertical or horizontal

Fan Coil controller PAW-FC-RC1

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

Features:

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

Control and Connectivity

A wide variety of control options to meet the requirements of different applications.

Centralized Control Systems

BMS System. PC Base.



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

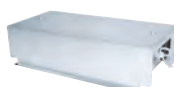
Connection with 3rd Party Controller.



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



CZ-CAPC3
ON/OFF control for
external devices such
as ERV.
Controls 1 unit.



CZ-CAPBC2
Mini Seri-Para I/O Unit
0 - 10V.
Controls 1 indoor unit or a
group of 8 indoor units.



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

AC Smart Cloud.



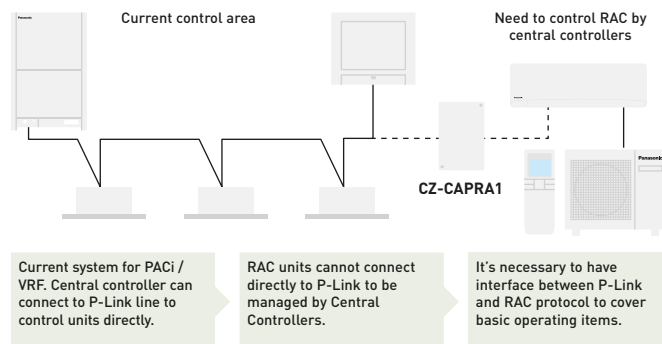
CZ-CFUSCC1
Cloud internet control.
Up to 128 groups. Controls 128 units.

Domestic integration to P-Link - CZ-CAPRA1

Can connect RAC range to P-Link. Full control is now possible.

Integrates any unit in big system control.

- TKEA / PKEA server room integration
- Small offices with domestic indoors
- Tender for refurbishment (old system Domestic and VRF in one installation)



Basic operation items: ON/OFF, Mode select, Temperature setting, Fan speed, Flap setting, Remote control prohibit.

External input: ON/OFF control signal, Abnormal stop signal.

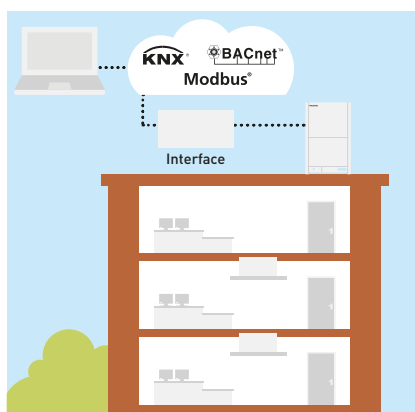
External output for Relay ¹⁾: Operation status (ON/OFF), Alarm status output.

¹⁾ Because current CN-CNT connector can not provide the power for external output relay, additional Input power for external relay is necessary.

Easy connection to KNX, Modbus, LonWorks and BACnet

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

For more information, contact Panasonic.



			Econavi control	Built-in thermostat	Indoor units which can be controlled	Use limitations	Function ON/OFF	Mode setting	Fan speed setting	Temperature setting	Air flow direction	Permit/Prohibit switching	Weekly program	BMS protocol
Individual Controllers														
Touch room controller for Hotel with Dry Contacts		PAW-RE2C4-MOD-WH PAW-RE2C4-MOD-BK WH: White, BK: Black Bespoke finish available by request.	—	✓	1 indoor unit	—	✓	✓	✓	✓	—	✓	—	Modbus + 4 Digital I/O Signals
Touch display control for Hotel with Dry Contacts		PAW-RE2D4-WH PAW-RE2D4-BK WH: White, BK: Black Bespoke finish available by request.	—	✓	1 indoor unit	—	✓	✓	✓	✓	—	✓	—	Stand Alone + 2 Digital Inputs
Design wired remote controller		CZ-RTC5B	✓	✓	1 group, 8 units	· Up to 2 controllers can be connected per group	✓	✓	✓	✓	✓	—	✓	—
Wired remote controller		CZ-RTC6 Non-wireless	✓	✓	1 group, 8 units	· Up to 2 controllers can be connected per group	✓	✓	✓	✓	✓	—	—	—
		CZ-RTC6BL With Bluetooth	✓	✓	1 group, 8 units	· Up to 2 controllers can be connected per group	✓	✓	✓	✓	✓	—	✓	—
		CZ-RTC6BLW With WLAN & Bluetooth® (available from Autumn 2020)	✓	✓	1 group, 8 units	· Up to 2 controllers can be connected per group	✓	✓	✓	✓	✓	—	✓	—
Wired remote controller		CZ-RTC2 For Floor-standing (MP1) indoor units	—	✓	1 group, 8 units	· Up to 2 controllers can be connected per group	✓	✓	✓	✓	✓	—	✓	—
Infrared remote controller		CZ-RWS3 + CZ-RWRU3W CZ-RWS3 CZ-RWS3 + CZ-RWRL3 CZ-RWS3 + CZ-RWRD3 CZ-RWS3 + CZ-RWRT3 CZ-RWS3 + CZ-RWRC3	✓	—	1 group, 8 units	· Up to 2 controllers can be connected per group	✓	✓	✓	✓	✓ ¹⁾	—	—	—
Centralised 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 central station. ON/OFF Controller		CZ-ANC3	—	—	16 groups, maximum 64 units	· Up to 8 controllers (4 main units + 4 sub units) can be connected to one system · Use without remote controller is impossible	✓	—	—	—	—	✓	—	—
Intelligent Controller (Touch screen panel)		CZ-256ESMC3	✓	—	Main unit: 128. Up to 256 units can be expanded	· Communication adaptor CZ-CFUNC2 is necessary for connection with more than 128 units	✓	✓	✓	✓	✓ ¹⁾	✓	✓	—

1. Setting is not possible when a remote controller unit is present (use the remote controller for setting). * All specifications subject to change without notice.

VRF SMART CONNECTIVITY+

The future of Control.



Panasonic **Schneider Electric**

VRF Smart Connectivity+ offers efficient energy management and a new air conditioning control solution with high IAQ (Indoor Air Quality).

Energy Management System for Rooms

Each room is monitored by high-precision sensors, making it possible to make every room's temperature comfortable without wasting energy.

Management System for the Entire Building

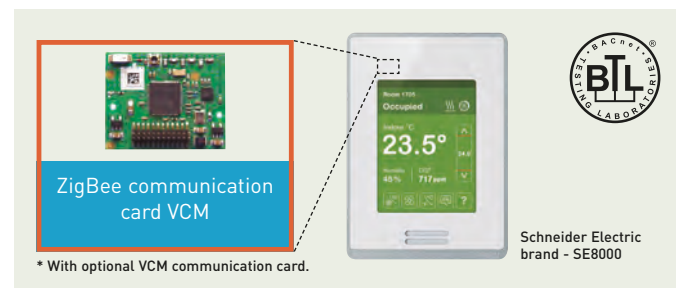
A Building Energy Management System (BEMS) can also be connected for Plug & Play centralised control of the building's entire energy consumption.

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.

Smart connectivity devices



Features

- Up to 5-year battery life batteries included
- Battery life of CO₂ sensor up to 10-year.
- Battery level is a data point
- Sensor points visible when SE8000 is integrated via BACnet MS/TP
- Sensor status and battery level visible when SE8150 is integrated via ZigBee® Pro
- Integration to BMS only recommended when each MPM is connected to Ethernet and set as a ZigBee® Coordinator node

Panasonic AC Smart Cloud

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



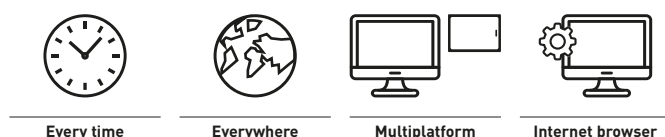
Flexible solution and scalable solution

Energy saving, zero downtime and site(s) management.

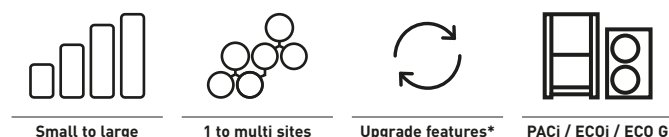
Centralize control of your business premises, from wherever you are, 24/7/365. It doesn't matter how many sites you have, or where they are! The AC Smart Cloud system from Panasonic allows you to have complete control of all your installations, from your tablet or from your computer. In a simple click, 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 / Continuous upgrades: new functions and product introductions / IT smart management.

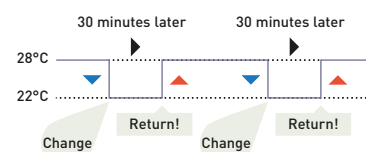
Panasonic AC Smart Cloud offers continuous improvement always thinking about users

E-CUT function

E-CUT functions are newly available in Panasonic AC Smart Cloud. 5 energy saving settings reduces automatically its energy consumption.

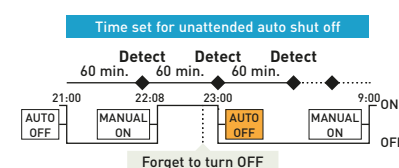
1. Set temperature auto return.

When you want to return to the set temperature after a certain time even if the temperature is changed.



2. Unattended auto shut off.

When you want to operate outside of a schedule but to monitor and stop automatically.



3. Set temperature range limit.

When you want to limit the temperatures that can be set.

18°C 20°C 22°C 24°C 26°C 28°C 30°C

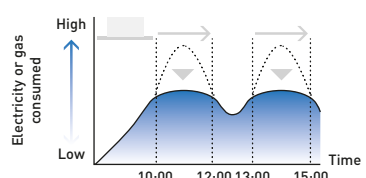
High Electricity or gas consumed Low

Reduced consumption of electricity or gas by over cooling.

Set temperature restricted to the range between 26°C and 30°C.

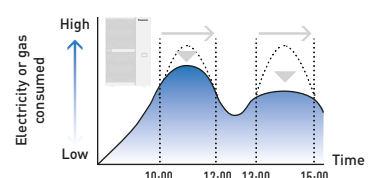
4. Energy saving timer / Efficient operation setting.

Specify time slots when you want operation capacity reduced.



5. Demand / peak shaving settings/ Peak cut settings.

Specify time slots when you want operation capacity of the outdoor units reduced.



One of our uniqueness is “Stable and secured communication package”

- Connectivity is included in the service. Customers do not have to take time to find and prepare suitable connectivity
- With an all inclusive service offering, the customer has peace of mind and a one stop shop for all AC Smart Cloud issues they may face including connectivity

This reduces installation time, requiring no integration with existing IT network infrastructure.



3G router



SIM card

Accessories and Control

Distribution Joint Kits

CZ-P680PH2BM 2-Pipe ME2 for outdoor units (68,0kW or less).	140 £
CZ-P1350PH2BM 2-Pipe ME2 for outdoor units (more than 68,0kW).	140 £
CZ-P224BK2BM 2-Pipe ME2 for indoor units (22,4kW or less*).	70 £
CZ-P680BK2BM 2-Pipe ME2 for indoor units (68,0kW or less*).	90 £
CZ-P1350BK2BM 2-Pipe ME2 for indoor units (more than 68,0kW*).	110 £
CZ-P680PJ2BM 3-Pipe MF3 for outdoor units (68,0kW or less).	190 £
CZ-P1350PJ2BM 3-Pipe MF3 for outdoor units (greater than 68,0kW and no more than 135,0kW).	190 £
CZ-P224BH2BM 3-Pipe MF3 for indoor units (22,4kW or less).	95 £
CZ-P680BH2BM 3-Pipe MF3 for indoor units (greater than 22,4kW and no more than 68,0kW).	150 £
CZ-P1350BH2BM 3-Pipe MF3 for indoor units (greater than 68,0kW and no more than 135,0kW).	150 £
CZ-P160BK2BM 2-Pipe ME2 and Mini ECOi for indoor units (22,4kW or less*).	90 £
CZ-P4HP3C2BM 3-Pipe MF3 Header Pipe.	220 £

* 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.

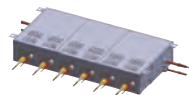
Heat Recovery Box

KIT-P56HR3 Box recovery kit (up to 5,6kW).	432 £
 CZ-P56HR3 Heat recovery box (up to 5,6kW).	355 £
 CZ-CAPE2 Heat recovery PCB.	77 £
KIT-P160HR3 Box recovery kit (from 5.6kW to 16.0kW).	509 £
 CZ-P160HR3 Solenoid valve kit (from 5.6kW to 16.0kW).	432 £
CZ-CAPEK2 3-Pipe control PCB for Wall-mounted.	85 £



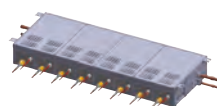
CZ-P456HR3
4 ports 3 pipe box (up to 5.6kW per port).

2175 £



CZ-P656HR3
6 ports 3 pipe box (up to 5.6kW per port).

2985 £



CZ-P856HR3
8 ports 3 pipe box (up to 5.6kW per port).

4069 £



CZ-P4160HR3
4 ports 3 pipe box (up to 16.0kW per port).

2425 £

CZ-P160RVK2
Rap valve kit.

942 £

Wall-mounted external valve



CZ-P56SVK2
External valve (model sizes 15 to 56).

155 £

CZ-P160SVK2
External valve (model sizes 73 to 106).

197 £

Other accessories



CZ-CNEXU1
nanoe™ X device for 4 Way 90x90 Cassette.

125 £



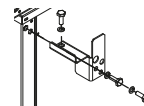
CZ-CENSC1
Econavi energy savings sensor.

128 £



CZ-CSRC3
Remote temperature sensor.

93 £



PAW-3WSK
Stacking kit for vertically stacking up to 3 WHE (4 pieces per Kit).

157 £

PRO-HT Tank accessories

PAW-VP-RTC5B-VRF Tank Controller for ECOi system.	1206 £
PAW-VP-VALV-160 Expansion valve kit 16kW.	33 £
PAW-VP-VALV-280 Expansion valve kit 28kW.	89 £

Smart Fan Coil accessories

TPAW-AAIR-LEGS-1 Kits of 2 legs to support the Smart Fan Coil on the floor and to protect the water pipings.	45 £
PAW-AAIR-RHCABLE Motor connection cable for units with hydraulic connections on the right.	20 £

Fan Coil accessories



PAW-FC-903TC
NEW Wired remote controller for Fan Coil

70 £



PAW-FC-RC1
Advanced wired remote controller for Fan Coil.

77 £

PAW-FC-2WY-11/55-1
2 Way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1).

54 £

PAW-FC-2WY-65/90-1
2 Way valve + drain pan (for PAW-FC-D65/90-1).

62 £

PAW-FC-2WY-150
2 Way valve (for PAW-FC-H150).

133 £

PAW-FC-3WY-11/55-1
3 Way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1).

80 £

PAW-FC-3WY-65/90-1
3 Way valve + drain pan (for PAW-FC-D65/90-1).

91 £

PAW-FC-3WY-150
3 Way valve (for PAW-FC-H150).

173 £

Panels



CZ-KPU3W 176 £
Standard panel for 4 Way 90x90 Cassette.



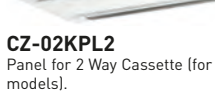
CZ-KPU3AW 220 £
Econavi panel for 4 Way 90x90 Cassette.



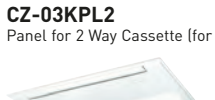
CZ-KPY3AW 201 £
Panel for 60x60 Cassette size 700x700mm.



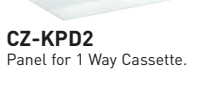
CZ-KPY3BW 201 £
Panel for 60x60 Cassette size 625x625mm.



CZ-02KPL2 314 £
Panel for 2 Way Cassette (for S-22 to S-56 models).



CZ-03KPL2 375 £
Panel for 2 Way Cassette (for S-73 model).



CZ-KPD2 331 £
Panel for 1 Way Cassette.

VRF Smart Connectivity+



SER8150R0B1194 450 £
Remote Controller Panasonic Net Con, RH, No PIR, R1/R2.



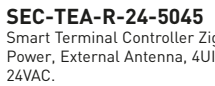
SER8150R5B1194 480 £
Remote Controller Panasonic Net Con, RH, PIR, R1/R2.



VCM8000V5094P 160 £
Wireless Zigbee Pro module / Green Com card.



SEC-TEA-R-230-5045 740 £
Smart Terminal Controller ZigBee Pro High Power, External Antenna, 4UI/4A0/5DO, 220-240VAC.



SEC-TEA-R-24-5045 660 £
Smart Terminal Controller ZigBee Pro High Power, External Antenna, 4UI/4A0/5DO, 24VAC.



MPM-UN-014-5045 1175 £
Universal network controller with Building Expert and StruXureWare integration, High Power, 6 I / 6 O, Modbus.



MPM-RAEC-5045 45 £
Universal network controller Cable extension.



HRCEP14R 285 £
Hotel Room Expansion Module 14 indoor units.



HRCPB628R 760 £
Hotel Room Controller 28 indoor units.



HRCPD642R 970 £
Hotel Room Controller w/Display 42 indoor units.



SED-WDC-G-5045 185 £
Door / window wireless sensor.



SED-MTH-G-5045 225 £
Wall / ceiling [motion] wireless sensor.



SED-CO2-G-5045 580 £
CO₂ sensor.



SED-TRH-G-5045 TBC £
Sensor with room temperature and humidity.



SED-WLS-G-5045 175 £
Water leakage sensor.



FAS-00 35 £
Cover frame. Silver.



FAS-01 35 £
White.



FAS-03 65 £
Glossy translucent white.



FAS-05 50 £
Light tan wood.

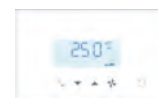


FAS-06 50 £
Dark brown wood.

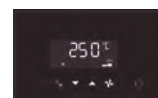
FAS-07 50 £
Dark black wood.

FAS-10 65 £
Brushed steel finish.

Controller and touch controllers for Hotels with Dry Contacts



PAW-RE2C4-MOD-WH 385 £
Modbus RS-485 touch room controller with I/O, White.



PAW-RE2C4-MOD-BK 385 £
Modbus RS-485 touch room controller with I/O, Black.



PAW-RE2D4-WH 235 £
Touch display control with 2 digital inputs, White.



PAW-RE2D4-BK 235 £
Touch display control with 2 digital inputs, Black.

Hotel sensors for Dry Contacts



PAW-WMS-DC 160 £
Wall motion sensor 24V.



PAW-WMS-AC 160 £
Wall motion sensor 240 V AC.



PAW-CMS-DC 160 £
Ceiling motion sensor 24V.



PAW-CMS-AC 160 £
Ceiling motion sensor 240 V AC.



PAW-24DC 50 £
Power supply 24V.



PAW-DWC 15 £
Door or window contact.

Accessories and Control

Centralised controls. BMS system. PC base



CZ-CSWKC2 3616 £
PAIMS Basic software.

CZ-CFUNC2 1050 £
PAIMS Communication adaptor.



CZ-CSWAC2 2066 £
PAIMS Consumption calculation control.

CZ-CSWBC2 4132 £
PAIMS - BACnet interface.

CZ-CSWGC2 1550 £
PAIMS - Layout display.

CZ-CSWWC2 1550 £
PAIMS - Web application.

Panasonic AC Smart Cloud



CZ-CFUSCC1 1300 £
Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.

PAW-MVNOAC-V 840 £
3G communication package (SIM Card included). V, K: Depending on countries.

PAW-MVNOAC-K 840 £
3G communication package (SIM Card included). V, K: Depending on countries.

Centralised controls. Connection with 3rd party controller



CZ-CAPDC2 517 £
Serial parallel device controlling outdoor units, up to 4 units.



CZ-CAPC3 285 £
Adaptor for ON/OFF control of external devices.



CZ-CAPBC2 155 £
Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor units.



CZ-CFUNC2 1050 £
Communication Adaptor. Up to 128 groups. Controls 128 units.

Accessories interfaces



CZ-CAPWFC1 151 £
Commercial WLAN Adaptor.



PAW-AC2-MBS-16P 1950 £
Modbus Interface for 16 indoor units.

PAW-AC2-MBS-64P 2800 £
Modbus Interface for 64 indoor units.

PAW-AC2-MBS-128P 3750 £
Modbus Interface for 128 indoor units.

PAW-AC2-KNX-16P 1950 £
KNX Interface for 16 indoor units.

PAW-AC2-KNX-64P 2800 £
KNX Interface for 64 indoor units.

PAW-AC2-BAC-16P 1950 £
BACnet Interface for 16 indoor units.

PAW-AC2-BAC-64P 2800 £
BACnet Interface for 64 indoor units.

PAW-AC2-BAC-128P 3750 £
BACnet Interface for 128 indoor units.



PAW-RC2-KNX-1i 300 £
KNX Interface.



PAW-RC2-MBS-1 300 £
Modbus Interface.



PAW-RC2-MBS-4 700 £
Modbus interface to control 4 indoor/groups.

PAW-AC-KNX-64 2660 £
KNX Interface for 64 indoor units.

PAW-AC-KNX-128 3380 £
KNX Interface for 128 indoor units.

PAW-AC-MBS-64 2440 £
Modbus Interface for 64 indoor units.

PAW-AC-MBS-128 3120 £
Modbus Interface for 128 indoor units.

PAW-TM-MBS-RTU-64 900 £
Modbus Interface for 64 indoor units.

PAW-TM-MBS-TCP-128 1400 £
Modbus Interface for 128 indoor units.



PAW-MBS-TCP2RTU 850 £
ModBus RTU Slave devices.



PAW-RC2-BAC-1 500 £
BACnet Interface.

PAW-AC-BAC-64 2400 £
BACnet Interface for 64 indoor units.

PAW-AC-BAC-128 3120 £
BACnet Interface for 128 indoor units.



CZ-CAPRA1 138 £
RAC interface adapter for integration into P-Link, plus external input and alarm/status output.



CZ-CLNC2 1050 £
LonWorks® Interface controls up to 16 groups and 64 indoor units.

Individual controls



CZ-RTC6 124 £
NEW Wired remote controller (non-wireless)

CZ-RTC6BL 149 £
NEW Wired remote controller with Bluetooth



CZ-RTC5B 104 £
Design wired remote controller with Econavi function.

**CZ-RTC2**

Standard wired remote controller for Floor-standing (P1) indoor units.

104 £**CZ-RWS3 + CZ-RWRU3W**

Infrared remote controller for 4 Way 90x90 Cassette.

93 + 145 £**CZ-RWS3**

Infrared remote controller for Wall-mounted, 4 Way 60x60 with panel and Floor Console.

93 £**CZ-RWS3 + CZ-RWRL3**

Infrared remote controller for 2 Way Cassette.

93 + 145 £**CZ-RWS3 + CZ-RWRD3**

Infrared remote controller for 1 Way Cassette.

93 + 145 £**CZ-RWS3 + CZ-RWRT3**

Infrared remote controller for Ceiling.

93 + 145 £**CZ-RWS3 + CZ-RWRC3**

Infrared remote controller for all indoor units.

93 + 145 £

Centralised controls

**CZ-64ESMC3**

System Controller with Schedule timer. Operation with various function from center station.

665 £**CZ-ANC3**

Central ON/OFF controller, up to 16 groups, 64 indoor units.

450 £**CZ-256ESMC3**

Simplified load distribution ratio (LDR) for each tenant. Intelligent Controller (Touch screen panel).

2500 £

Accessories cables

**CZ-T10**

Cable for all the T10 functions.

40 £**PAW-FDC**

Cable to operate external EC fan.

40 £**PAW-OCT**

Cable for all option monitoring signals.

40 £**PAW-EXCT**

Cable with force Thermo OFF/leakage Detection.

40 £

Accessories PCB

**PAW-T10**

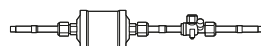
T10 interface PCB with digital and relay connections.

84 £**PAW-ECF**

PCB for fan speed control of external EC Fan.

461 £

R-22 Replacement Kit

**CZ-SLK2**

Replacement kit for R-22.

310 £

ECOi Pump Down System

**PAW-PUDME1A-1**

2-Pipe Pump Down for 1 outdoor unit.

5200 £**PAW-PUDME1A-2**

2-Pipe Pump Down for 2 outdoor units.

6700 £**PAW-PUDME1A-3**

2-Pipe Pump Down for 3 outdoor units.

8200 £**PAW-PUDMF2A-1**

3-Pipe Pump Down for 1 outdoor unit.

5500 £**PAW-PUDMF2A-2**

3-Pipe Pump Down for 2 outdoor units.

7000 £**PAW-PUDMF2A-3**

3-Pipe Pump Down for 3 outdoor units.

8500 £**PAW-PUDME1A-1R**

2-Pipe Pump Down for 1 outdoor unit + Receiver Kit 30L.

6950 £**PAW-PUDME1A-2R**

2-Pipe Pump Down for 2 outdoor units + Receiver Kit 30L.

8450 £**PAW-PUDME1A-3R**

2-Pipe Pump Down for 3 outdoor units + Receiver Kit 30L.

9950 £**PAW-PUDMF2A-1R**

3-Pipe Pump Down for 1 outdoor unit + Receiver Kit 30L.

7250 £**PAW-PUDMF2A-2R**

3-Pipe Pump Down for 2 outdoor units + Receiver Kit 30L.

8750 £**PAW-PUDMF2A-3R**

3-Pipe Pump Down for 3 outdoor units + Receiver Kit 30L.

10250 £**PAW-PUDRK30L**

Receiver Kit 30L.

1750 £



Discover a new era of ECOi, the ECOi-W. Heat Pump Chillers

Panasonic introduces the new ECOi-W Heat Pump Chiller series.

This new series provides a wide variety of HVAC system solutions, to meet all of your residential, commercial and industrial needs.

ECOi-W the solution for hotels, offices and industry.

High seasonal efficiency with the line-up from 20kW to 210kW.

Fully customisable design gives high flexibility for commercial applications.

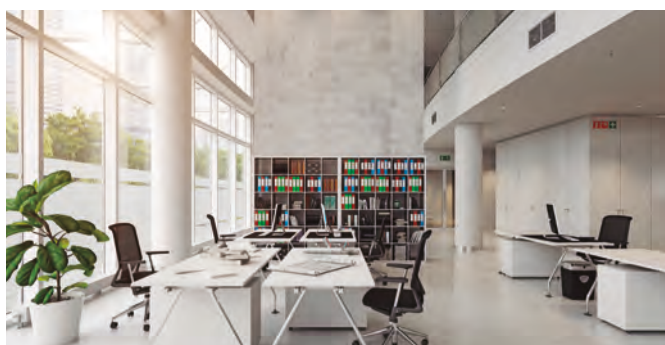


Quiet operation in full range.

The full range provides very low noise operation thanks to the compressor phonic insulation. The level of quiet operation is outstanding in the market.

BMS integration.

Modbus RTU is included as standard in full range and additional optional BMS connection by Modbus and BACnet is also available.



Fan Coils application with ECOi-W Heat Pump Chiller system.

For the optimized comfort, ECOi-W series can be integrated with Fan Coils.

Simple user friendly control.

A control panel with intuitive design is equipped on all ECOi-W systems as standard.



ECOi-W the solution for hotels, offices and industry



1 High Energy saving and Comfort

- High SEER/SCOP
- Quiet operation
- Integrate ECOi-W and VRF systems with BMS control

2 High Flexibility

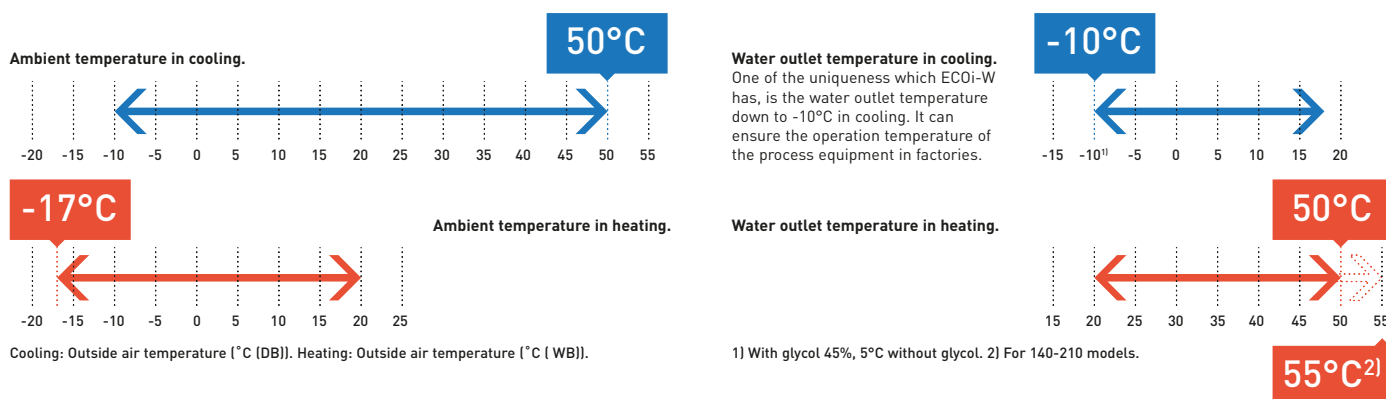
- From 20kW to 210kW
- Customisable design
- Operating range: -17°C (heating) to 50°C (cooling)
- Wide range of Hydraulic options
- Wide range of communication protocols

3 High Quality

- Defrost limiting coil design (140 to 210)
- Optimized design for service and maintenance
- Compact footprint

Operating condition

Panasonic ECOi-W provides wide operation range from -17°C in heating to 50°C in cooling.



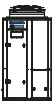
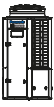
ECOi-W provides the optimal performance in any climatic condition.



Unrivaled Reliability and Quality.

Panasonic solutions can be enjoyed for years to come, even in the most extreme climates. Panasonic does not compromise on product quality, safety or durability, in order to provide the ultimate comfort when you need it most.

ECOi-W Line-up

ECOi-W Size	20	25	30	35	40	45	55	65	75	90	105	125	140	150	170	190	210
Cooling capacities (kW) 	19,4	25,3	26,9	35,8	37,4	46,8	53,3	65,8	71,6	91,4	106,2	121,9	125,4	137,6	150,9	175,8	195,4
Heating capacities (kW) 	19,5	26,9	29,7	37,3	41,6	48,5	58,2	67,2	75,9	88,1	101,0	119,1	143,7	153,7	170,1	194,9	217,6
SEER	3.9	3.9	3.9	3.7	3.9	3.7	3.9	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.7	3.7
SCOP	3.4	3.3	3.3	3.4	3.4	3.2	3.3	3.4	3.4	3.3	3.3	3.4	3.3	3.4	3.3	3.3	3.2
Energy efficiency class (Scale A+++ to D) ¹⁾	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺	A ⁺								
Dimensions (H x W x D) ²⁾	 1983 x 1000 x 1000	 1983 x 1000 x 1000	 1986 x 2180 x 1160	 1986 x 2180 x 1160	 2286 x 2180 x 1160	 2295 x 2856 x 2210	 2321 x 2856 x 2210										

1) Seasonal space heating energy efficiency class according to scale from A+++ to D. 2) Without buffer tank.

ECOi-W the solution for hotels, offices and industry



Hotels.



Offices.



Industry.

Simple user friendly control

Main features

Basic operation	ON/OFF setting
	Cooling / Heating mode setting
Energy Saving	Intelligent logic control for inlet water temperature
	Night setback operation to reduce electrical consumption and noise
	Part load operating mode
	Maximum discharge temperature control
Service / Maintenance	Automatic Test operation at the push of a button
	Alarm notice with the latest 10 alarms
	Counter for operating hours of compressor and pump
	Compressor operating limits saved in a flash memory
Others	BMS compatible (RS485 ModBus RTU or BacNet MSTP protocol)



A control panel with intuitive design is equipped on all ECOi-W systems as standard.

The microprocessor based control has a new IHM logic and implements a smart handling for your demand.



PAW-SYSREMKIT
Optional Remote
Control.



PAW-SYSSOV1
Optional Shut off
valves kit for model
20 - 40.

U- 020/025/030/035/040 CW

Please contact Panasonic for price

Model		20	25	30	35	40
Standard without buffer tank		U-020CWNB	U-025CWNB	U-030CWNB	U-035CWNB	U-040CWNB
With buffer tank		U-020CWBS	U-025CWBS	U-030CWBS	U-035CWBS	U-040CWBS
Power supply	Voltage	V	400	400	400	400
	Phase		Three Phase	Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50	50
Cooling capacity ¹⁾	kW	19.4	25.3	26.9	35.8	37.4
Input power cooling ¹⁾	kW	6.10	8.61	9.34	13.51	13.64
Total EER 100% ¹⁾		3.18	2.94	2.88	2.65	2.74
SEER ²⁾		3.9	3.9	3.9	3.7	3.9
η_{sc} ²⁾	%	153.00	152.00	152.00	144.00	153.00
Heating capacity ³⁾	kW	19.5	26.9	29.7	37.3	41.6
Input power heating ³⁾	kW	6.11	9.28	9.93	13.23	13.51
SCOP ⁴⁾		3.4	3.3	3.3	3.4	3.4
η_{sh} ⁴⁾	%	132.00	128.00	128.00	132.00	133.00
Energy efficiency class (Scale A+++ to D) ⁵⁾		A+	A+	A+	A+	A+
Startup type		Direct	Direct	Direct	Direct	Direct
Maximum operating current	A	17.70	22.20	24.30	31.80	33.80
Startup current w/o softstarter / w softstarter	A	52.71/28.11	63.71/35.21	77.29/48.79	118.34/52.99	119.34/53.99
Sound power level (w standard fans)	dB(A)	75.0	75.0	75.0	76.0	76.0
Sound pressure level (w standard fans) ⁶⁾	dB(A)	42.8	42.8	42.8	43.8	43.8
Dimensions (w standard fans) w/o buffer tank	H x W x D mm	1983 x 1000 x 1000	1983 x 1000 x 1000	1983 x 1000 x 1000	1983 x 1000 x 1000	1983 x 1000 x 1000
Dimensions (w standard fans) w buffer tank	H x W x D mm	1983 x 1000 x 1507	1983 x 1000 x 1507	1983 x 1000 x 1507	1983 x 1000 x 1507	1983 x 1000 x 1507
Weight (w 1 pump) w/o buffer tank	kg	280	290	320	330	330
Weight (w 1 pump) w buffer tank	kg	345	355	385	395	395
Refrigerant (R410A)	kg	6.5	8.4	8.4	9.1	9.2
Number of refrigerant circuit		1	1	1	1	1
Compressors						
Number		2	2	2	2	2
Type		Scroll	Scroll	Scroll	Scroll	Scroll
Part load step	%	0/50/100	0/50/100	0/50/100	0/50/100	0/50/100
Crankcase heater	W	2x40	2x40	2x49	2x49	2x49
Evaporator						
Number		1	1	1	1	1
Type		Plate	Plate	Plate	Plate	Plate
Nominal water flow (cooling)	m ³ /h	3.35	4.36	4.64	6.16	6.44
Water pressure drop (cooling)	kPa	23	37	22	37	40
Water volume	l	1.78	1.78	2.55	2.55	2.55
Antifreeze heater	W	30	30	30	30	30
Coils						
Number		1	1	1	1	1
Frontal surface	m ²	2.4	2.4	2.4	2.8	2.8
Number of rows		2	2	2	2	2
Fans standard						
Number		1	1	1	1	1
Airflow	m ³ /h	9000	13000	13000	16000	16000
Rotation speed	r.p.m.	900	900	900	650	650
Power input (each fan)	W	620	940	940	930	930
Water connections						
Type		Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Inlet - diameter	Inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Outlet - diameter	Inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2

Accessories

PAW-SYSREMKIT Remote Control

Accessories

PAW-SYSSOV1 Shut off valves kit for model 20 - 40

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D, as of 26th September 2019. 6) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallel piped shape.

* w: with, w/o: without.





PAW-SYSREMKIT
Optional Remote
Control.



PAW-SYSSOV2
Optional Shut off
valves kit for model
45 - 75.

U - 045/055/065/075 CW

Please contact Panasonic for price

Model		45	55	65	75
Standard without buffer tank		U-045CWNB	U-055CWNB	U-065CWNB	U-075CWNB
With buffer tank		U-045CWBM	U-055CWBM	U-065CWBM	U-075CWBM
Power supply	Voltage V	400	400	400	400
	Phase	Three Phase	Three Phase	Three Phase	Three Phase
	Frequency Hz	50	50	50	50
Cooling capacity ¹⁾	kW	46,8	53,3	65,8	71,6
Input power cooling ¹⁾	kW	16,90	19,67	22,10	24,26
Total EER 100 % ¹⁾		2,77	2,71	2,98	2,95
SEER ²⁾		3,7	3,9	4,0	4,0
η_{sc} ²⁾	%	145,00	151,00	159,00	157,00
Heating capacity ³⁾	kW	48,5	58,2	67,2	75,9
Input power heating ³⁾	kW	17,32	20,35	22,47	24,33
SCOP ⁴⁾		3,2	3,3	3,4	3,4
η_{sh} ⁴⁾	%	126,00	128,00	134,00	133,00
Energy efficiency class (Scale A+++ to D) ⁵⁾		A+	A+	A+	—
Startup type		Direct	Direct	Direct	Direct
Maximum operating current	A	40,20	44,20	59,40	64,40
Startup current w/o softstarter / w softstarter	A	133,20/65,80	140,20/72,80	201,43/101,03	206,43/106,03
Sound power level (w standard fans)	dB(A)	80,0	80,0	80,0	80,0
Sound pressure level (w standard fans) ⁶⁾	dB(A)	47,8	47,8	47,8	47,8
Dimensions (w standard fans) w/o buffer tank	H x W x D mm	1986 x 2180 x 1160	1986 x 2180 x 1160	1986 x 2180 x 1160	1986 x 2180 x 1160
Dimensions (w standard fans) w buffer tank	H x W x D mm	1986 x 2680 x 1160	1986 x 2680 x 1160	1986 x 2680 x 1160	1986 x 2680 x 1160
Weight (w 1 pump) w/o buffer tank	kg	540	540	610	610
Weight (w 1 pump) w buffer tank	kg	700	700	770	770
Refrigerant (R410A)	kg	14,0	14,3	18,9	19,3
Number of refrigerant circuit		1	1	1	1
Compressors					
Number		2	2	2	2
Type		Scroll	Scroll	Scroll	Scroll
Part load step	%	0/50/100	0/43/57/100	0/40/60/100	0/45/55/100
Crankcase heater	W	2x66	2x66	2x66	2x66
Evaporator					
Number		1	1	1	1
Type		Plate	Plate	Plate	Plate
Nominal water flow (cooling)	m³/h	8,06	9,18	11,30	12,31
Water pressure drop (cooling)	kPa	30	35	28	37
Water volume	l	4,10	4,10	6,10	6,10
Antifreeze heater	W	30	30	2x30	2x30
Coils					
Number		1	1	2	2
Frontal surface	m²	4,20	4,20	5,55	5,55
Number of rows		2	2	2	2
Fans standard					
Number		1	1	2	2
Air flow	m³/h	22500	22500	15000	15000
Rotation speed	r.p.m.	790	790	650	650
Power input (each fan)	W	1650	1650	930	930
Water connections					
Type		Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Inlet - diameter	Inch	2	2	2	2
Outlet - diameter	Inch	2	2	2	2

Accessories

PAW-SYSREMKIT Remote control

Accessories

PAW-SYSSOV2 Shut off valves kit for model 45 - 75

1) Data refers to 7 °C leaving chilled water temperature and 35 °C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45 °C leaving warm water temperature and 7 °C ambient coil air temperature with 87 % R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D, as of 26th September 2019. 6) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallel piped shape.
* w: with, w/o: without.





PAW-SYSREMKIT
Optional Remote
Control.



PAW-SYSSOV3
Optional Shut off
valves kit for model
90 - 125.

U - 090/105/125 CW

Please contact Panasonic for price

Model			90	105	125
Standard without buffer tank			U-090CWNB	U-105CWNB	U-125CWNB
With buffer tank			U-090CWBM	U-105CWBM	U-125CWBM
Power supply	Voltage	V	400	400	400
	Phase		Three Phase	Three Phase	Three Phase
	Frequency	Hz	50	50	50
Cooling capacity ¹⁾		kW	91.4	106.2	121.9
Input power cooling ¹⁾		kW	34.36	38.06	46.35
Total EER 100% ¹⁾			2.66	2.79	2.63
SEER ²⁾			3.9	3.9	3.9
η_{sc} ²⁾		%	153.00	152.00	153.00
Heating capacity ³⁾		kW	88.1	101.0	119.1
Input power heating ³⁾		kW	33.75	38.40	45.46
SCOP ⁴⁾			3.3	3.3	3.4
η_{sh} ⁴⁾		%	128.00	129.00	131.00
Startup type			Direct	Direct	Direct
Maximum operating current		A	77.90	86.00	102.00
Startup current w/o softstarter / w softstarter		A	264.90 / 127.30	311.96 / 145.76	349.96 / 182.56
Sound power level (w standard fans)		dB(A)	83.0	83.0	83.0
Sound pressure level (w standard fans) ⁵⁾		dB(A)	50.8	50.8	50.8
Dimensions (w standard fans) w/o buffer tank		H x W x D mm	2286 x 2180 x 1160	2286 x 2180 x 1160	2286 x 2180 x 1160
Dimensions (w standard fans) w buffer tank		H x W x D mm	2286 x 2680 x 1160	2286 x 2680 x 1160	2286 x 2680 x 1160
Weight (w 1 pump) w/o buffer tank		kg	790	900	920
Weight (w 1 pump) w buffer tank		kg	950	1060	1080
Refrigerant (R410A)		kg	22.0	32.3	33.0
Number of refrigerant circuit			1	1	1
Compressors					
Number			2	2	2
Type			Scroll	Scroll	Scroll
Part load step		%	0/45/55/100	0/38/62/100	0/33/67/100
Crankcase heater		W	66/82	66/95	66/95
Evaporator					
Number			1	1	1
Type			Plate	Plate	Plate
Nominal water flow (cooling)		m ³ /h	15.73	18.25	20.95
Water pressure drop (cooling)		kPa	26	34	45
Water volume		l	10.80	10.80	10.80
Antifreeze heater		W	2x30	2x30	2x30
Coils					
Number			2	2	2
Frontal surface		m ²	6.4	6.4	6.4
Number of rows			2	3	3
Fans standard					
Number			2	2	2
Airflow		m ³ /h	21000	21000	21000
Rotation speed		r.p.m.	790	790	790
Power input (each fan)		W	1650	1650	1650
Water connections					
Type			Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Inlet - diameter		Inch	2 1/2	2 1/2	2 1/2
Outlet - diameter		Inch	2 1/2	2 1/2	2 1/2

Accessories

PAW-SYSREMKIT Remote Control

Accessories

PAW-SYSSOV3 Shut off valves kit for model 90 - 125

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallel piped shape.

* w: with, w/o: without.





PAW-SYSREMKIT
Optional Remote
Control.

U - 140/150/170/190/210 CW

Please contact Panasonic for price

Model		140	150	170	190	210
Standard without buffer tank		U-140CWNB	U-150CWNB	U-170CWNB	U-190CWNB	U-210CWNB
With buffer tank		U-140CWBL	U-150CWBL	U-170CWBL	U-190CWBL	U-210CWBL
Power supply	Voltage V	400	400	400	400	400
	Phase	Three Phase	Three Phase	Three Phase	Three Phase	Three Phase
Cooling capacity ¹⁾	Frequency Hz	50	50	50	50	50
	kW	125.4	137.6	150.9	175.8	195.4
Input power cooling ¹⁾	kW	43.55	47.77	52.73	64.83	72.54
Total EER 100% ¹⁾		2.88	2.88	2.86	2.71	2.69
SEER ²⁾		3.9	3.9	3.9	3.7	3.7
η_{SC} ²⁾	%	152.00	152.00	153.00	145.00	144.00
Heating capacity ³⁾	kW	143.7	153.7	170.1	194.9	217.6
Input power heating ³⁾	kW	45.80	50.20	55.40	67.50	78.30
SCOP ⁴⁾		3.3	3.4	3.3	3.3	3.2
η_{SH} ⁴⁾	%	130.00	132.00	129.00	129.00	126.00
Startup type		Direct	Direct	Direct	Direct	Direct
Maximum operating current	A	108.00	119.00	136.00	153.00	170.00
Startup current w/o softstarter / w softstarter	A	251.00/130.00	262.00/141.00	324.00/161.00	341.00/178.00	396.00/201.00
Sound power level (w standard fans)	dB(A)	85.4	85.4	87.0	88.1	88.1
Sound pressure level (w standard fans) ⁵⁾	dB(A)	53.4	53.4	55.0	56.1	56.1
Dimensions (w standard fans) w/o buffer tank	H x W x D mm	2295 x 2856 x 2210	2295 x 2856 x 2210	2321 x 2856 x 2210	2321 x 2856 x 2210	2321 x 2856 x 2210
Dimensions (w standard fans) w buffer tank	H x W x D mm	2295 x 3666 x 2210	2295 x 3666 x 2210	2321 x 3666 x 2210	2321 x 3666 x 2210	2321 x 3666 x 2210
Weight (w 1 low Pa pump) w/o buffer tank	kg	1512	1515	1605	1677	1937
Weight (w 1 low Pa pump) w buffer tank	kg	1644	1647	1737	1809	2069
Refrigerant (R410A)	kg	2x24.7	2x24.7	24.7/33.3	2x33.3	2.33.3
Number of refrigerant circuit		2	2	2	2	2
Compressors						
Number		4	4	4	4	4
Type		Scroll	Scroll	Scroll	Scroll	Scroll
Part load step	%	0 / 24 / 26 / 48 / 50 / 52 / 74 / 76 / 100	0 / 23 / 27 / 46 / 50 / 54 / 73 / 77 / 100	0 / 20 / 24 / 44 / 45 / 55 / 69 / 80 / 100	0 / 22 / 28 / 44 / 50 / 56 / 72 / 78 / 100	0 / 19 / 31 / 38 / 50 / 62 / 69 / 81 / 100
Crankcase heater	W	4x66	4x66	3x66/82	2x82/2x66	2x95/2x66
Evaporator						
Number		1	1	1	1	1
Type		Plate	Plate	Plate	Plate	Plate
Nominal water flow (cooling)	m ³ /h	21.56	23.65	25.95	30.24	33.62
Water pressure drop (cooling)	kPa	33	39	24	32	40
Water volume	l	8.49	8.49	12.21	12.21	12.21
Antifreeze heater	W	60	60	120	120	120
Coils						
Number		4	4	4	4	4
Frontal surface	m ²	11.88	11.88	11.88	11.88	11.88
Number of rows		2+2	2+2	2+3	3+3	3+3
Fans standard						
Number		4	4	4	4	4
Airflow	m ³ /h	56000	56000	71000	86000	83000
Rotation speed	r.p.m.	900	900	900	900	900
Power input (each fan)	W	940	940	940 - 1650	1650	1650
Water connections						
Type		Victaulic	Victaulic	Victaulic	Victaulic	Victaulic
Inlet - diameter	Inch	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Outlet - diameter	Inch	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2

Accessories

PAW-SYSREMKIT Remote Control

Accessories

PAW-SYSVICTH Victaulic connection kit for model 140 - 210

1) Data refers to 7°C leaving chilled water temperature and 35°C condenser air temperature, according EN14511 standard. 2) Following COMMISSION REGULATION (EU) No 2016/2281 for comfort application chillers. 3) Data refers to 45°C leaving warm water temperature and 7°C ambient coil air temperature with 87% R.H., according EN14511 standard. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps. 5) Sound pressure levels calculated at 10 meters. Sound pressure levels refer to ISO standard 3744 with parallel piped shape.
* w: with, w/o: without.



Model referencing and options

Options table 20 - 125

Option	Type	Ref.	Description	Model											
1	Capacity			20	25	30	35	40	45	55	65	75	90	105	125
2	Refrigerant & Compressor Type	W	R410A Fixed Speed	•	•	•	•	•	•	•	•	•	•	•	•
		NB	No Buffer	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
3	Buffer Tank Option	BS	Buffer tank (Small)	•	•	•	•	•							
		BM	Buffer tank (Medium)						•	•	•	•	•	•	•
			No Pump	•	•	•	•	•	Std	Std	Std	Std	Std	Std	Std
4	Pump Option		Single Pump	Std	Std	Std	Std	Std	•	•	•	•	•	•	•
			Double Pump						•	•	•	•	•	•	•
			Pump Drive - Fixed Speed *	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Pump Drive - Variable Twin Speed (Single Pump)	•	•	•	•	•	•	•	•	•	•	•	•
			Pump Drive - Variable Twin Speed (Double Pump)						•	•	•	•	•	•	•
5	Pump Drive Option		Pump Drive - Variable Capacity (Single Pump)	•	•	•	•	•	•	•	•	•	•	•	•
			Pump Drive - Variable Capacity (Double Pump)						•	•	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Single Pump)	•	•	•	•	•	•	•	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Double Pump)						•	•	•	•	•	•	•
			Pump Drive - Constant Differential Pressure (Single Pump) **	S0	S0	S0	S0	S0	S0	S0	S0	S0	S0	S0	S0
			No Hydraulic Option	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
6	Hydraulic options		Low water pressure sensor	•	•	•	•	•	•	•	•	•	•	•	•
			Water isolation valves	•	•	•	•	•	•	•	•	•	•	•	•
			Electric Heater - Low Power						•	•	•	•	•	•	•
			Electric Heater - High Power						•	•	•	•	•	•	•
			No Ambient Options	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Finned coil treatment - epoxy	•	•	•	•	•	•	•	•	•	•	•	•
			Outdoor coil protection grid	•	•	•	•	•	•	•	•	•	•	•	•
			Rubber pads	•	•	•	•	•	•	•	•	•	•	•	•
7	Ambient Options		Spring damper	•	•	•	•	•	•	•	•	•	•	•	•
			All seasons (fan speed control)	•	•	•	•	•	•	•	•	•	•	•	•
			Nordic pack ***	•	•	•	•	•							
			Low noise	Std	Std	Std	Std	Std	•	•	•	•	•	•	•
			High pressure fan ****		•	•	•	•	•	•	•	•	•	•	•
			No Miscellaneous Options	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
			Soft Starter	•	•	•	•	•	•	•	•	•	•	•	•
			Power supply w/o neutral *****	S0	S0	S0	S0	S0	S0	S0	S0	S0	S0	S0	S0
			Standard BMS Option (Modbus RTU)	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
8	Misc. Options		Modbus TCP/IP	•	•	•	•	•	•	•	•	•	•	•	•
			Bacnet MSTP	•	•	•	•	•	•	•	•	•	•	•	•
			Bacnet IP	•	•	•	•	•	•	•	•	•	•	•	•
			Container transport						•	•	•	•	•	•	•
			Refrigerant gauge						•	•	•	•	•	•	•

* Fixed Speed Pump Drive is standard when selecting a pump. Please select alternative pump drive if required.

** Constant Differential Pump Drive option is only available on a special order and requires additional production time. Please contact your local sales representative.

*** The Nordic Pack is not required on models 45 - 125 due to model design.

**** High Pressure Fan is not available on Model 20 due to body design.

***** Power Supply without Neutral is only available on a special order and requires additional production time. Please contact your local sales representative.

Options table 140 - 210

Option	Type	Ref.	Description	Model				
				140	150	170	190	210
1	Capacity							
2	Refrigerant & Compressor Type	W	R410A Fixed Speed	•	•	•	•	•
3	Buffer Tank Option	NB	No Buffer	Std	Std	Std	Std	Std
		BL	Buffer tank (Large)	•	•	•	•	•
4	Pump Option		No Pump	Std	Std	Std	Std	Std
			Single Pump Low Pressure	•	•	•	•	•
			Single Pump High Pressure	•	•	•	•	•
			Double Pump Low Pressure	•	•	•	•	•
			Double Pump High Pressure	•	•	•	•	•
5	Pump Drive Option		Pump Drive - Fixed Speed *	Std	Std	Std	Std	Std
			Pump Drive - Variable Twin Speed (Single Pump)	•	•	•	•	•
			Pump Drive - Variable Twin Speed (Double Pump)	•	•	•	•	•
			Pump Drive - Variable Capacity (Single Pump)	•	•	•	•	•
			Pump Drive - Variable Capacity (Double Pump)	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Single Pump)	•	•	•	•	•
			Pump Drive - Constant Outlet Pressure (Double Pump)	•	•	•	•	•
			Pump Drive - Constant Differential Pressure (Single Pump) **	S0	S0	S0	S0	S0
6	Hydraulic options		Pump Drive - Constant Differential Pressure (Double Pump) **	S0	S0	S0	S0	S0
			No Hydraulic Option	Std	Std	Std	Std	Std
			Low water pressure sensor	•	•	•	•	•
			Water isolation valves	•	•	•	•	•
7	Ambient Options		Hydraulic Gauges	•	•	•	•	•
			No Ambient Options	Std	Std	Std	Std	Std
			Finned coil treatment - epoxy	•	•	•	•	•
			Outdoor coil protection grid***	•	•	•	•	•
			Rubber pads	•	•	•	•	•
			Spring damper	•	•	•	•	•
			All seasons (fan speed control)	•	•	•	•	•
			Nordic pack	•	•	•	•	•
8	Misc. Options		Low noise	Std	Std	Std	Std	Std
			High pressure fan	•	•	•	•	•
			No Miscellaneous Options	Std	Std	Std	Std	Std
			Soft Starter	•	•	•	•	•
			Power supply w/o neutral	•	•	•	•	•
			Standard BMS Option (Modbus RTU)	Std	Std	Std	Std	Std
			Modbus TCP/IP	•	•	•	•	•
			Bacnet IP	•	•	•	•	•
			Refrigerant gauge	•	•	•	•	•

* Fixed Speed Pump Drive is standard when selecting a pump. Please select alternative pump drive if required.

** Constant Differential Pump Drive options are only available on a special order and requires additional production time. Please contact your local sales representative.

*** Not available when using Nordic pack



Panasonic condensing units with natural refrigerant

Panasonic's CR Series of CO₂ condensing units provide the ideal solution for supermarkets, convenience stores and gas stations.

Keeping food always fresh at right temperature in showcases or cold rooms is a very critical point. And one of the biggest challenges for those retailers has been the expensive effects of refrigeration breakdowns which can result in costly product wastage.

Natural refrigerant CO₂.

CO₂ is a very attractive refrigerant from an environmental perspective.

Zero ODP and “GWP” (Global Warming Potential)=1 means natural substance in the atmosphere.

Panasonic is now able to provide a solution in Europe with CO₂ refrigeration systems to prevent global warming and to support environment-friendly retail operations.

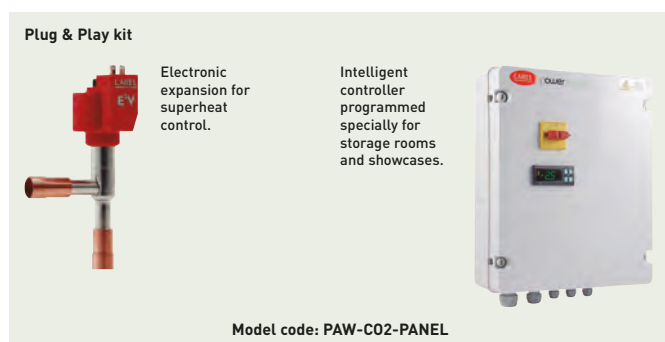


CO₂ Condensing units CR Series by trusted technology.

CR Series are made in Japan with an excellent quality control established by skilled factory team. CO₂ 2-stage compression rotary compressor by Panasonic is designed to compress refrigerants twice, it reduces load in operation by half compared with 1-stage refrigerant compression and delivers better durability and reliability.

Expanded line-up, 16kW MT/LT Type.

Panasonic has introduced new model (1000VF8A) offering both Medium temperature and Low temperature options. Maximum piping length 100m and unlabeled 12L tank allow flexible installation.



Save installation time with Plug & Play kit.

To ensure a quick and easy install of the product, Panasonic has designed a one box solution that includes the condensing unit, a panel pre-programmed controller, electronic expansion and all required sensors in addition to providing easy to understand instructions.

Modbus compatibility with monitoring system.

Panasonic CO₂ condensing units can be supervised by major monitoring system such as CAREL, Eliwell and Danfoss. Monitoring system ensures the recording, monitoring and reporting of temperature conditions etc. of entire CO₂ condensing units system at shops.



Choose the green solution by Panasonic

Why CO₂?: Natural refrigerant

EU F-Gas Regulation is a key priority for European countries. It ensures compliance with the Kigali Amendment supporting international climate commitments on greenhouse gases and leading the global transition to climate-friendly HFC-free technologies. Carbon dioxide (R-744) is regaining its place in the refrigeration world. Driven by environmental concerns, legislation is requiring increased adoption of 'alternative' refrigerants, of which CO₂ is one.

The following table shows how well R744 (CO₂) performs regarding environmental impact and safety.

ODP (Ozone Depletion Potential) = 0 - GWP (Global Warming Potential) = 1					
	Next generation refrigerant			Current refrigerant	
	CO ₂	Ammonia	Isobutane	R410A	R404A
ODP	0	0	0	0	0
GWP	1	0	4	2090	3920
Flammability	Non flammable	Light flammable	Flammable	Non flammable	Non flammable
Toxicity	No	Yes	No	No	No

CO₂ transcritical condensing units CR Series

- Set-points at medium or low temperature available depending on applications
- High COP at high ambient temperature thanks to Panasonic's 2-stage compression CO₂ rotary compressor
- Compact and extremely quiet
- Transfer pressure control for stable expansion valve control in showcases (1000VF8 and 1000VF8A models only)

* SEPR values has been tested at 3-part laboratory.

CR Series	Low temperature	Medium temperature	ET (Evaporation Temperature) Set points range
OCU-CR200VF5	✓	✓	-45 ~ -5°C
OCU-CR1000VF8	—	✓	-20 ~ -5°C
OCU-CR1000VF8A	✓	✓	-45 ~ -5°C

16kW MT/LT Type (1000VF8A)

Both MT and LT options.

Maximum cooling capacity.

MT: Up to 16kW.

LT: Up to 8kW.

Flexible installation.

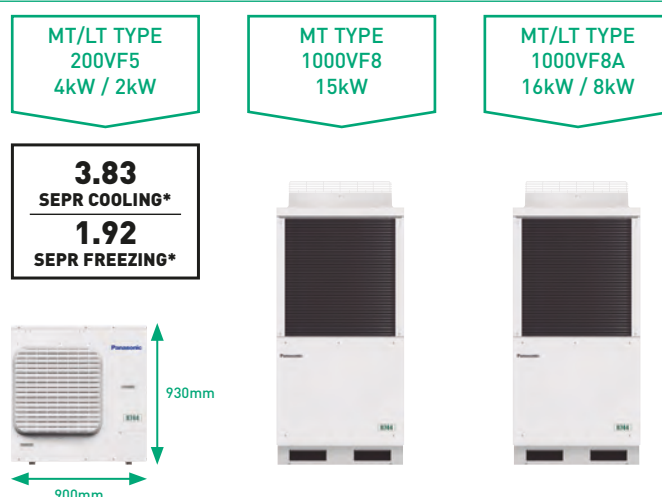
- Maximum piping length: 100m
- High external static pressure: 58Pa
- Up scales tank 12L

This 12L tank keeps inside extra amount of refrigerant when the system stops.

Also helping installers by making wider tolerance from optimum charge.

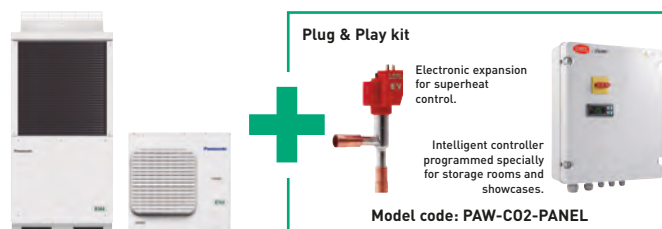
Modbus compatible with monitoring system

Panasonic CO₂ condensing unit CR Series can be supervised by major monitoring system such as CAREL, Eliwell and Danfoss. Monitoring system ensures the recording, monitoring and reporting of temperature conditions etc... of entire CO₂ condensing units system at shops.



Saving installation time with Plug & Play kit

To ensure a quick and easy install of the product, Panasonic has designed a one box solution that includes the condensing unit, a panel pre-programmed controller, electronic expansion and all required sensors in addition to providing easy to understand instructions.



Monitoring system

Standard boss & boss-mini	AK-SM Series	TelevisGo



MT / LT

MT

MT / LT

CO₂ Condensing units**Please contact Panasonic for price**

Type (MT: Medium temp. LT: Low temp.)			MT (4 kW) / LT (2 kW)				MT (15 kW)		MT(16 kW) / LT (8 kW)			
Standard model			OCU-CR200VF5				OCU-CR1000VF8		OCU-CR1000VF8A			
Anti corrosion coating model			OCU-CR200VF5SL				OCU-CR1000VF8SL		OCU-CR1000VF8ASL			
Power supply	Voltage	V	220/230/240				380/400/415		380/400/415			
	Phase		Single Phase				Three Phase		Three Phase			
	Frequency	Hz	50				50		50			
Cooling capacity at ET -10 °C AT 32 °C		kW	3.70				14.00		15.10			
Cooling capacity at ET -35 °C AT 32 °C		kW	1.80				—		8.00			
Evaporator connection			Multiple ¹⁾				Multiple		Multiple			
Evaporation temperature	Min ~ Max	°C	-45~-5				-20~-5		-45~-5			
Ambient temperature	Min ~ Max	°C	-15~+43				-15~+43		-15~+43			
Refrigerant			R744				R744		R744			
Design pressure liquid line		Mpa	12				8		8			
Design pressure suction line		Mpa	8				8		8			
User system external alarm. Digital input. Non-voltage contact			Yes				Yes		Yes			
Liquid tube electromagnetic valve		Vac	220/230/240				220/230/240		220/230/240			
Showcase operation ON/OFF signal. Digital input. Non-voltage contact			Yes				Yes		Yes			
Modbus communication line (RS485)		Ports	2				2		2			
Compressor type			2- stage rotary				2- stage rotary		2- stage rotary			
Dimension	H x W x D	mm	930x900x437				1941x890x890		1941x890x890			
Net weight		Kg	70				293		320			
Piping connections	Suction pipe	Inch (mm)	3/8(9.52)				3/4(19.05)		3/4(19.05)			
	Liquid pipe	Inch (mm)	1/4(6.35)				5/8(15.88)		5/8(15.88)			
Length of connection piping		m	25				100 ²⁾		100 ²⁾			
Standard performance	Ambient temperature	°C	32				32		32			
	Evaporating temperature	°C	-10	-35	-10	-35	-10	-10	-10	-35	-10	-35
	Cooling capacity	kW	3.70	1.80	3.70	1.80	14.00	14.00	15.10	8.00	15.10	8.00
	Power consumption	kW	1.79	1.65	1.79	1.65	8.20	8.20	8.20	7.57	8.20	7.57
	Nominal load ampere	A	7.94	7.26	7.94	7.26	12.60	12.60	12.60	11.60	12.60	11.60
	Sound pressure level	dB(A)	35.5 ³⁾	35.5 ³⁾	35.5 ³⁾	35.5 ³⁾	36.0 ⁴⁾	36.0 ⁴⁾	36.0 ⁴⁾	36.0 ⁴⁾	36.0 ⁴⁾	36.0 ⁴⁾
PED			I				II		II			
Air volume		m³/min	54				220		220			
External static pressure		Pa	17				58		58			
Heat Recovery port			—				—		Yes			
Drier filter liquid line, diameter 6.35 mm			Included				—		—			
Drier filter liquid line, diameter 15.88 mm			—				Included		Included			
Necessary accessories												
Tube connector adaptor for vacuum and service		SPK-TU125	Yes (must be ordered)				Yes (must be ordered)		Yes (must be ordered)			
Suction filter, diameter 19.05 mm (outer diameter welding)		S-008T	—				Yes (must be ordered)		Yes (included: delivered with the unit)			

Accessories

PAW-C02-PANEL Room and superheat control including both Panel + expansion valve

Accessories

SPK-TU125 Tube connector adaptor for vacuum and service
S-008T Suction filter

1) Ask salesperson if you make multiple connection. 2) PZ-68S (refrigeration oil) must be added if >50 m. 3) ET-10 °C, 65 S-1, 10 m from product. 4) ET -10 °C, 60 S-1, 10 m from product.



SPK-TU125
Tube connector
adaptor for vacuum
and service.



S-008T
Suction filter,
diameter 19.05mm
(outer diameter
welding).



Energy saving



ErP 55°C

Better efficiency and Value for medium temperature applications. Energy efficiency class up to A++ in a scale from A+++ to D.



ErP 35°C

Better efficiency and Value for low temperature applications. Energy efficiency class up to A+++ in a scale from A+++ to D.



DHW

Better efficiency and Value for domestic hot water. Energy efficiency class up to A+ in a scale from A+ to F.



AUTO SPEED

Aquarea are built-in with A class energy efficiency water pump. High efficiency circulating the water in the heating installation.



Our heat pumps containing the new refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle.



ECONAVI

Domestic Econavi. Sunlight Sensor technology can detect and reduce the waste of energy by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.



ECONAVI

Commercial Econavi. Intelligent Human Activity Sensor and new Sunlight Sensor technologies that can detect and reduces the waste of energy by optimising air conditioner operation according to room conditions. With just one touch of a button, you can save energy.



8,5 SEER

Exceptional Seasonal Cooling Efficiency based on the new ErP regulation. Higher SEER ratings mean greater efficiency. Year round savings on cooling!



5,1 SCOP

Exceptional Seasonal Heating Efficiency based on the new ErP regulation. Higher SCOP ratings mean greater efficiency. Year round savings on heating!



INVERTER+

Inverter Plus System classification, highlights the highest performing Panasonic systems.



INVERTER

The Inverter range provides greater efficiency and comfort. Provides more precise temperature control, without highs and lows, and keeps the ambient temperature constant with lower energy consumption and a significant reduction in noise and vibration levels.



R2 ROTARY COMPRESSOR

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



HIGH EFFICIENCY COMPRESSOR

Compressors that operate with a wider Hz range realize a more efficient operation throughout the year. For Big PACi Series.



ALL INVERTER COMPRESSORS

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.



ECO G

ECO G technology offers the best in energy efficiency. ECO G gas VRF is specially designed for buildings where the electricity is restricted or CO₂ emissions must be reduced.



HIGH COP

High efficiency models performs higher COP than standard units and standard combinations.

High performance and healthy air



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. *COP of 5,33 for J Generation 3 kW.



T-CAP

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 -15 °C, select the Aquarea T-CAP.



HIGH TEMPERATURE

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 WITH MAGNET

Water filter with magnet. Easy access & fast clip technology for J Generation. Water filter only for H Generation.



FLOW SENSOR

Water Flow Sensor. Included on J and H Generation.



nanoeX

Panasonic's latest innovation nanoe™ X helps inhibit growth of certain harmful viruses and bacteria, promoting well-being. It can also deodorise your home.



PM2,5 FILTER

Particulate matter (PM2,5) can be found suspended in the air, including dust, dirt, smoke and liquid droplets. This filter can catch PM2,5 particles including hazardous pollutants as well as house dust and pollen.



DUST COLLECTION FILTER

Dust Collection Filter. This filter collects and retain particles suspended on the air, as result the air is cleaner in the room.



19dB(A)

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).



HUMIDITY CONTROL MILD DRY

Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. Maintains an RH* up to 10 % higher than cooling operation (*RH: Relative Humidity). Ideal when sleeping with the air conditioner on.



AEROWINGS

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



COOLING MODE

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



HEATING MODE

The air conditioner works in heat pump mode with an outdoor temperature is as low as -15 °C.



COOLING MODE

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



SUMMER HOUSE

Summer House, this innovative function keeps the house at 8/10 or 8/15 °C to avoid freezing pipes during the winter. This function is highly appreciated in summer house or week end houses.

STATIC PRESSURE
UP TO 7 mmAq

Low Static Pressure Hide Away RAC with selectable static pressure up to 7 mmAq.



BLUEFIN

Panasonic has extended the life of its condensers with an original anti-rust coating.



LARGE FAN

Large fan provides larger air flow rate and very quiet operation at low speed.



DC FAN

DC fan: Safe and precise.



SELF-DIAGNOSING

Self-diagnosing function. By using electronic control valves past warnings are stored. This makes it easier to diagnose malfunctions, reducing service labour and therefore costs.



AUTOMATIC FAN

Automatic fan operation. Convenient microprocessor control automatically adjusts fan speed to High, Medium or Low, corresponding to room sensor and maintains comfortable air flow throughout the room.

AUTO-FLAP
CONTROL

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

Automatic restart function for power failure. Even when power failure occurs, preset programmed operation can be reactivated once power is resumed.



AIR SWEEP

Air Sweep. The air sweep function moves the flap up and down in the air outlet, directing air in a "sweeping" motion around the room and providing comfort in every corner.

BUILT-IN
DRAIN PUMP

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.



R22/R410A RENEWAL

The Panasonic renewal system allows good quality existing R410A or R22 pipe work to be re-used whilst installing new high efficiency R32 systems.

High connectivity

BOILER
CONNECTION

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.

ADVANCED
CONTROL

New remote controller with full dotted 3,5" wide back light screen. Menu with 17 available languages easy to use for installer and user. Included on J and H Generation.

INTEGRATION
TO P-LINK

CZ-CAPRA1: CN-CNT port integration to PACi and ECOi. Split Air Conditioners integration to P-Link. Can connect RAC range to P-Link. Full control is now possible.



OPTIONAL WLAN

Internet control. A next generation system providing user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android™ or iOS smartphone, tablet or PC via the internet.

BMS
CONNECTIVITY

The communication port can be integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

PANASONIC
AC SMART CLOUD

The AC Smart Cloud from Panasonic allows you to have complete control of all your installations. In a simple click, receive status updates from all your units in real-time, preventing breakdowns and optimizing costs.

5 YEARS
COMPRESSOR
WARRANTY

Panasonic guarantees the compressors in the entire range for five years.

PACi Fault Codes

Alarm Code	Alarm Meaning
E01	Remote Controller Reception Error
E02	Remote Controller Transmission Error
E03	Error in Indoor Unit Receiving Signal from Remote Controller (central)
E04	Error in Indoor Unit Receiving Signal from the Outdoor Unit
E05	Error in Indoor Unit Transmitting Signal to the Outdoor Unit
E06	Outdoor Unit Failed to Receive Serial Communication Signals from Indoor Unit
E08	Duplicate Indoor Unit Address Settings Error
E09	More Than One Remote Controller Set to Main Error
E12	Automatic Address Setting Start is Prohibited while Auto-address Setting in Progress.
E14	Main Unit duplication in Simultaneous-operation Multi Control (detected outdoor unit)
E15	Automatic Address Alarm (The total capacity of indoor units is too low.)
E16	Automatic Address Alarm (The total capacity of indoor units is too high or the number of indoor units is two or more.)
E18	Faulty Communication in Group Control Wiring
E20	Connection Problem of Indoor/Outdoor Units.
F04	Compressor Discharge Temperature Sensor (TD) Trouble
F06	Inlet Temperature Sensor (C1) in Heat Exchanger Trouble
F07	Intermediate Temperature Sensor (C2) in Heat Exchanger Trouble
F08	Outdoor Air Temperature Sensor (T0) Trouble
F12	Compressor Inlet Suction Temperature Sensor (TS) Trouble
F31	Outdoor Unit Nonvolatile Memory (EEPROM) Trouble
H01	Primary (input) Overcurrent Detected
H02	PAM Trouble
H03	Primary Current CT Sensor (current sensor) Failure
H31	HIC Trouble
L04	Outdoor Unit Address Duplication
L10	Outdoor Unit Capacity not Set or Invalid
L13	Indoor Unit Type Setting Error
L18	4-way Valve Operation Failure
P03	Compressor Discharge Temperature Trouble
P04	High Pressure Trouble
P05	AC Power Supply Trouble
P13	Alarm Valve Open
P14	O2 Sensor Detect
P15	Insufficient Gas Level Detected
P16	Compressor Overcurrent Trouble

Alarm Code	Alarm Meaning
P22	Outdoor Unit Fan Motor Trouble
P29	Lack of INV compressor wiring, INV compressor actuation failure (including locked), DCCT failure
P31	Group Control Error

EC0i 3 Pipe Fault Codes

Alarm Code	Alarm Meaning
E01	"Error in receiving serial communication signal. (Signal from main indoor unit in case of group control) Ex: Auto address is not completed."
E02	Error in transmitting serial communication signal.
E03	Indoor unit is detecting error signal from remote controller (and system controller).
E04	"Error in receiving serial communication signal. When turning on the power supply, the number of connected indoor units does not correspond to the number set. (Except R.C. address is "0.")"
E06	Error of the main outdoor unit in receiving serial communication signal from the indoor unit.
E08	Indoor unit address setting is duplicated.
E09	Remote controller address connector (RCU, ADR) is duplicated. (Duplication of main remote controller)
E12	"Starting auto address setting is prohibited. This alarm message shows that the auto address connector CN30 is shorted while other RC line is executing auto address operation."
E18	Error of main indoor unit in receiving serial communication signal from sub indoor units.
E15	Error in auto address setting. (Number of connected indoor units is less than the number set.)
E16	Error in auto address setting. (Number of connected indoor units is more than the number set.)
E20	No indoor unit is connected during auto address setting.
E24	Main outdoor unit is detecting error signal from sub outdoor unit.
E25	Error of outdoor unit address setting.
E26	The number of connected main and sub outdoor units do not correspond to the number set at main outdoor unit PCB.
E27	Improper wiring between main outdoor unit and sub-unit.
E29	Error of sub outdoor unit in receiving serial communication signal from main outdoor unit.
E30	Serial transmission failure of outdoor unit.
E31	Communication failure with MDC
L02	This alarm message shows when an indoor unit for multiple-use is not connected to the outdoor unit.
L03	Duplication of main indoor unit address setting in group control.
L05	Duplicated indoor unit priority (priority indoor unit).
L06	Duplicated indoor unit priority (non-priority indoor unit) and outdoor unit.
L07	Group control wiring is connected to individual control indoor unit.

ECOi 3 Pipe Fault Codes

Alarm Code	Alarm Meaning
L08	Indoor unit address is not set.
L09	Capacity code of indoor unit is not set.
L04	Duplication of outdoor R.C. address setting.
L10	Capacity code of outdoor unit is not set.
L11	Incorrect wiring of remote group control wiring (in case of shared solenoid valve kit)
L17	Mis-matched connection of outdoor units that have different kinds of refrigerant.
F01	Indoor coil temp. sensor (E1)
F02	Indoor coil temp. sensor (E2)
F03	Indoor coil temp. sensor (E3)
F10	Indoor suction air (room) temp. sensor (TA)
F11	Indoor discharge air temp. sensor (BL)
F04	Comp. No. 1 discharge gas temp. sensor (DISCH1)
F05	Comp. No. 2 discharge gas temp. sensor (DISCH2)
F06	Outdoor No. 1 coil gas temp. sensor (EXG1)
F07	Outdoor No. 1 coil liquid temp. sensor (EXL1)
F08	Outdoor air temp. sensor (TO)
F12	Compressor intake temperature sensor (SCT)
F14	Temp. sensor at refrigerant gas outlet of dual-tube (SCG)
F16	High pressure sensor failure. High pressure trouble.
F17	Low-pressure sensor failure
F23	Outdoor No. 2 coil gas temp. sensor (EXG2)
F24	Outdoor No. 2 coil liquid temp. sensor (EXL2)
P01	Thermal protector in indoor unit fan motor is activated.
P09	Improper wiring connections of ceiling panel.
P10	Float switch is activated.
P11	Faulty drain pump. Drain pump locked.
P12	Operation of protective function of fan inverter.
P14	O2 sensor (detects low oxygen level) activated
P02	Compressor thermal protector is activated. Power supply voltage is unusual. (The voltage is more than 260 V or less than 160 V between L and N phase.)
P03	Incorrect discharge temperature. (Comp. No. 1)
P04	High pressure switch is activated.
P05	Negative (defective) phase.
P16	DCCT overcurrent
P17	Incorrect discharge temperature. (Comp. No. 2)
P22	Outdoor unit fan motor is unusual.

Alarm Code	Alarm Meaning
P29	Inverter for compressor is unusual. (DC compressor does not operate.)
P31	When alarm message in other indoor units occurs in case of group control, unalarmed state of indoor units are inoperative.
F29	EEPROM on indoor unit PCB failure
F31	EEPROM on the main or sub outdoor unit PCB has failed.
H01	Compressor No. 1 current trouble (overcurrent)
H03	Current is not detected when comp. No. 1 is ON.
H05	Compressor No. 1 discharge temp. sensor disconnected
H11	Compressor No. 2 current trouble (overcurrent)
H12	Compressor No. 2 current trouble (locked)
H13	Compressor No. 2 CT sensor disconnected or short circuit
H15	Compressor No. 2 discharge temp. sensor disconnected
H06	Low pressure switch is activated.
H08	Comp. No. 1 oil sensor
H27	Comp. No. 2 oil sensor
H31	IPM trip (IPM current or temperature)

Conditions & Conversation

Nominal and UK conditions

Nominal capacities (kW) specified in this price book are calculated under ISO-T1 (JIS) standard conditions as follows:

Cooling

Indoor temperature 27°CDB, 19°CWB

Outdoor temperature 35°CDB

Heating

Indoor temperature 20°CDB

Outdoor temperature 7°CDB, 6°CWB

UK cooling capacities (kW) specified in this price book are calculated under the following conditions:

Indoor temperature 23°CDB, 16°CWB

Outdoor temperature 30°CDB

UK heating capacities (kW) specified in this price guide are calculated under the following conditions:

Indoor temperature: 20°CDB

Outdoor temperature: 0°CWB

Electrical

Information relating to local power supplies are shown for guidance only and must be subject to IEE regulations as well as site requirements. All three phase supplies to be TPNE.

Energy labelling

All ENER - Lot 10 information is available at http://www.panasonicproclub.com/GB_en/tools/energy-label-generator/

Pipe size

1/4in = 6.35mm

3/8in = 9.52mm

1/2in = 12.70mm

5/8in = 15.88mm

3/4in = 19.05mm

7/8in = 22.22mm

1 1/8in = 28.58mm

1 3/8in = 34.93mm

Conversion data

kW x 3412 = btu/h

°C x 1.8 + 32 = °F

l/s x 3.6 = m³/h

bar x 14.51 = psi

m² x 10.76 = ft²

Notes

Notes





www.aircon.panasonic.eu

heating & cooling solutions

Panasonic®

To find out how Panasonic cares for you,
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Heating & Cooling Solutions
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Panasonic UK, a branch of Panasonic Marketing Europe GmbH
Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT



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.

