

Panasonic

PRICE LIST OCTOBER 2026 EDITION

TOTAL HVAC&R SOLUTION



heating & cooling solutions

Panasonic environmental vision 2050

To achieve “a better life” and “a sustainable global environment,” Panasonic will work towards creation and more efficient utilisation of energy which exceeds the amount of energy used, aiming for a society with clean energy and a more comfortable lifestyle.



Vitalise the future with air.

These are times of exceptional challenge. If the world is to move forward confidently, it must overcome the serious threats of the new global pandemics and the degrading of the environment. It must find ways large and small to reduce the stresses that affect people's health and the stability of their communities.



Bringing nature's balance indoors.

nanoe™ X, technology with the benefits of hydroxyl radicals. In today's health-conscious world, we care about taking exercise, we care about what we eat and what we touch, we also care about what we breathe – and technology exists to bring good outdoor air, indoors.



100% Panasonic, the DNA of Japanese craftsmanship

Applying advanced technologies that truly make life better, we live by an unparalleled commitment to product quality. Panasonic is building on the Japanese tradition of uncompromising quality control worldwide, developing and manufacturing fine products and delivering them to customers everywhere.



A globally trusted air conditioning brand.

Panasonic – leading the way in Heating and Cooling. With more than 50 years of experience, selling to more than 120 countries around the world, Panasonic is one of the leaders in the heating and cooling sector. With a diverse network of production and R&D facilities, Panasonic delivers innovative products incorporating cutting-edge technologies that set the standard for air conditioners worldwide.

EDITORIAL

Panasonic – leading the way in Heating and Cooling. With 65 years of experience, selling to more than 120 countries around the world, Panasonic is one of the leaders in the heating and cooling sector.

Bringing nature's balance indoors.

nanoe™ X, technology with the benefits of hydroxyl radicals that have the capacity to inhibit pollutants, viruses, and bacteria and deodorise.



DOMESTIC

Panasonic has developed a range of domestic products designed for you and your clients.

New Etherea with nanoe™ X technology.

Etherea features nanoe™ X technology, class-leading performance, intelligent features, and a stylish design. It is designed to make your home comfortable, clean and the ideal place to be.



COMMERCIAL VRF SYSTEMS – ECOi

Panasonic provides an extensive range of solutions for medium and large sized buildings, combining the best options to satisfy all needs and site restrictions.

Extended ECOi EX range R32. 2-Pipe MZ1 Series. New 3 Pipe MF4 Series.

Extreme efficiency, quality, compact.

With advanced R32 refrigerant technology and optimised system design, this series offers a more sustainable solution compared to R410A.



CHILLERS AND HEAT PUMPS, AND WATER SOURCE HEAT PUMPS – ECOi-W

Panasonic solutions provide the optimal performance in any climatic condition.

ECOi-W AQUA-G BLUE R290. A revolutionary solution.

ECOi-W AQUA-G BLUE powered by R290, a natural refrigerant. It delivers both sustainability and efficiency in one innovative package.



ROOFTOPS

Rooftop units provide air-based cooling and heating for commercial buildings to ensure thermal comfort and proper indoor air quality (IAQ) through ventilation.

ECOi-RT.

With Rooftop units, you get a complete compact and mono-bloc solution to heat and cool large buildings such as shopping centres, industries or airports that need high capacities. It is an easy to install, space saving solution, directly on the roof or close to a building.



AQUAREA

Aquarea is a ground breaking low energy system for heating and domestic hot water production: delivering outstanding performance, even at extreme outdoor temperatures.

Big Aquarea T-CAP M Series, for centralised heating and DHW.

The Big Aquarea M Series offers a flexible, compact and energy-efficient solution for central heating and/or domestic hot water installations in multi-family or commercial buildings.



COMMERCIAL AIR TO AIR – PACi NX

The commercial range is continuously being improved to offer the optimal solutions. High performance, silent operation and a wide range of indoor units and connectivity available.

New multi zone duct.

Experience efficient and comfort climate control, offering individual temperature management for each zone. Its flexible design supports up to 5 zones, ensuring adaptability for various layouts. Installation is simple and effective, with built-in Wi-Fi enabling smart control for maximum convenience.



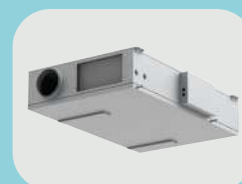
VENTILATION

Panasonic ventilation solutions for maximum savings and easy integration.

Energy recovery ventilation.

Panasonic energy recovery ventilations (ERV) help to improve your comfort and energy-saving plan.

Introducing the ERV with DX coil – HRPT Series, specifically designed for commercial applications or collective residential buildings, offering highly efficient heat recovery.



FAN COIL UNITS

Stylish, premium units for residential projects with a sophisticated, compact design and customisable, flexible units for commercial applications.

Flex Air Smart fan coil – Wall-mounted.

The Flex Air Smart fan coil – Wall-mounted with modern, stylish design comes with nanoe™ X technology (Generator Mark 3) for improved indoor air quality. It is ideal for both residential and commercial applications.



REFRIGERATION

Moving to more sustainable refrigeration solutions – iCORE and iCOOL ranges, offering a complete line of cooling solutions using CO₂, HFO, and HFC refrigerants.

iCORE – CO₂ at the core of innovative refrigeration.

Panasonic's iCORE range is a new generation of CO₂ condensing units, built on sustainability, energy efficiency, and flexibility. Using CO₂ – a natural refrigerant – iCORE supports today's environmental goals while delivering reliable, high-performance cooling.



Quality Management System Certificate



ISO 9001: 2015
Panasonic Appliances Air-Conditioning
Malaysia. Sdn Bhd.
Cert. No.: QMS 00413



GB/T 19001-2016/ISO 9001: 2015
Panasonic Appliances Air-Conditioning
(GuangZhou) Co., Ltd.
Registration Number: 01218Q30835RBL



ISO 14001: 2015
Panasonic Appliances Air-Conditioning
Malaysia Sdn Bhd.
Cert. No.: EMS 00109



GB/T 24001-2016/ISO 14001: 2015
Panasonic Appliances Air-Conditioning
(GuangZhou) Co., Ltd.
Registration Number: 02118E10944R7M

Panasonic HVAC&R solution map

HYDRONIC



AQUAREA. Air to water heat pumps.

Peripherals: Fan coil units / Water Loop heat pumps / DHW Heat Pump / Hot water tanks / Smart solutions and connectivity / Room control.

5 kW - 30 kW (up to 300 kW with a cascade controller)



SINGLE HOMES



MULTI-FAMILY HOMES



LIGHT COMMERCIAL

DIRECT EXPANSION



2 kW - 7,1 kW

ETHEREA & More. Domestic air to air heat pumps.

Peripherals: Wi-Fi control and connectivity.



2,5 kW - 25 kW



PACi NX. Light commercial air to air heat pumps.

Peripherals: Air to air indoor units / Low temperature configuration / Water Heat Exchanger.



VENTILATION



90 m³/h - 455 m³/h

Residential ventilation.

Peripherals: Air distribution solutions / Wi-Fi control and connectivity.



Panasonic offers a wide range of HVAC&R solutions for various applications, from residential and multi-family homes to commercial buildings and specialised applications such as data centres and refrigeration. Each range delivers highly efficient and reliable performance, meeting the needs of every application.



ECOi-W. Commercial chiller and heat pump.

Peripherals: Fan coil units / Water source heat pumps / Connectivity.

20 kW - 1550 kW



TECNAIR*. Close Control.

10 kW - 500 kW



COMMERCIAL / INDUSTRIAL

40 kW - 210 kW



ECOi-RT. Commercial Rooftop.



4 HP - 80 HP



ECOi. Commercial VRF.

Peripherals: Air to air indoor units / Water Heat Exchanger / Connectivity.



150 m³/h - 40000 m³/h



Commercial ventilation.

Energy recovery ventilation with DX / Air curtains / AHU connection kit.



DATA CENTRE



REFRIGERATION

MT: 2,5 - 42,0 kW, LT: 1,2 - 15,0 kW



iCORE / iCOOL. Commercial refrigeration.



* Availability varies by country.

Bringing nature's balance indoors



nanoe™ X, technology with the benefits of hydroxyl radicals.

In today's health-conscious world, we care about taking exercise, we care about what we eat and what we touch, we also care about what we breathe – and technology exists to bring good outdoor air, indoors.

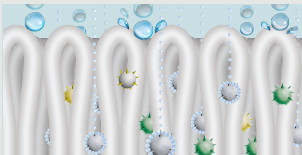


Cumulative global shipments of **nanoe™** and **nanoe™ X** devices exceed 100 million units*

* From July 2024, the results apply to all other products with nanoe™ and nanoe™ X devices, including heating and cooling.



Effective on fabrics and surfaces.



1 | At one billionth of a metre, nanoe™ X is much smaller than steam and can deeply penetrate cloth fabrics to deodorise.

Longer lifespan.



2 | Contained in tiny water particles, nanoe™ X has a long lifespan, which is about 600 seconds, to spread easily around the room.

Huge quantity.



3 | nanoe X Generator Mark 3 produces 48 trillion hydroxyl radicals per second. Greater amounts of hydroxyl radicals contained in nanoe™ X lead to higher performance on inhibition of pollutants.

Maintenance-free.



4 | No service and maintenance required. nanoe™ X is a filter free solution that does not require maintenance, as its atomisation electrode is enveloped with water during its generation process and it is made with Titanium.

7 effects of nanoe™ X

* Refer to <https://aircon.panasonic.eu> for more details and validation data.

Deodorises



Odours

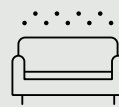
Capacity to inhibit 5 types of pollutants



Bacteria and viruses



Mould



Allergens



Pollen



Hazardous substances



Skin and hair

Moisturises

First nanoe™ device was developed by Panasonic in 2003

Generator: nanoe™	Generator: nanoe™ X		
2003	Mark 1 – 2016	Mark 2 – 2019	Mark 3 – 2022
480 billion hydroxyl radicals/sec	4,8 trillion hydroxyl radicals/sec	9,6 trillion hydroxyl radicals/sec	48 trillion hydroxyl radicals/sec
Ion particle structure	10x times	20x times	100x times
Hydroxyl radicals			

Licensed in VDI 6022

Certification of a HVAC system under VDI 6022 guarantees that the system fulfills the market's strictest hygiene requirements.



VDI 6022 – Part 5 ¹¹ Certification.

Avoidance of allergenic exposure.
Inhibits a wide range of harmful bacteria, viruses, mould, pollen and allergens.



VDI 6022 – Part 1 ¹¹ & 1.1 ²¹ Certification.

Ventilation and indoor-air quality.
Panasonic nanoe™ X technology improving indoor air quality.



HACCP Food Safety Certified ³¹ – Europe's first HVAC manufacturer.

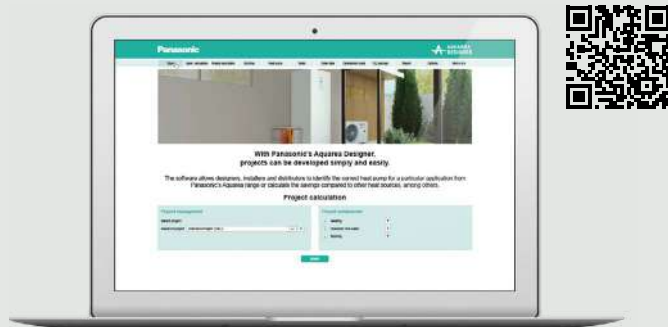
1) Certification mark only valid for nanoe X Generator Mark 3. 2) Certification mark only valid for nanoe X Generator Mark 2 and Mark 3. 3) Applicable to PACi NX and ECOi indoor units equipped with nanoe X Generator Mark 3.

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.

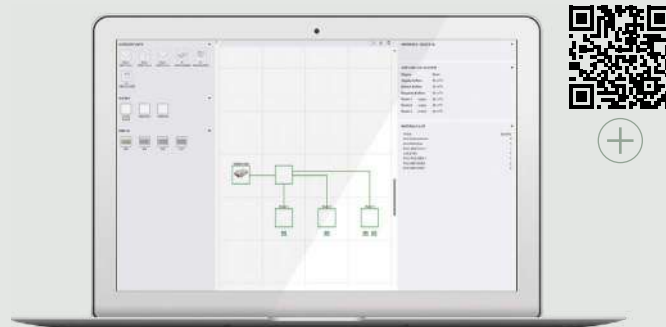
Aquarea design tools

Discover the suite of Aquarea design tools, created to simplify and optimise your workflow for Aquarea projects. From Aquarea Designer to the Hydraulic Scheme Generator, these resources are designed to make your planning process more efficient and effective.



Vent PRO

From selecting the right ventilation unit to planning the air distribution system and choosing the appropriate components, the Vent PRO guides you through every step to ensure the optimal solution for your project.



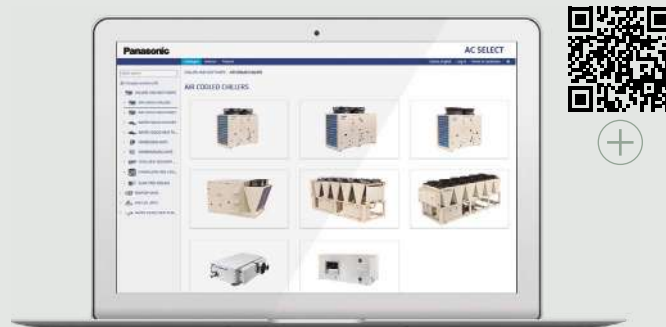
Panasonic DX PRO Designer

The Panasonic DX PRO Designer will be rebuilt with an improved user experience. The software runs in the cloud and is always up to date with the latest products. An intuitive interface supports the most complicated designs, allows online sharing and project collaboration with multilingual support.



AC SELECT

Use AC SELECT to choose and configure your hydronic solution. Panasonic online selection tool offers an easy and quick solution to specify all the hydronics ranges and rooftops at required conditions.



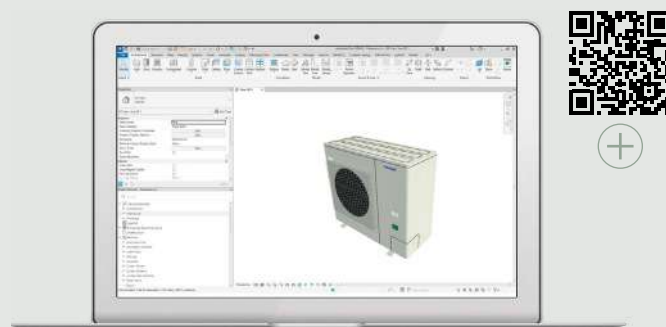
REF PRO DESIGNER

This simple design tool supports engineers, installers, and technicians to make a quick calculation for commercial refrigeration systems.



OPEN BIM – BIM & AutoCAD Support

Panasonic offers a wide range of HVAC&R products with BIM (Building Information Modelling) objects in Revit format and AutoCAD files, providing comprehensive support for design offices, consultants, and installers in planning projects.



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.

ETHEREA POWER HEAT





NEW

Etherea with nanoe™ X technology.

- nanoe™ X (Generator Mark 3): Improve protection 24/7
- Internal cleaning: Dries and cleans the indoor with nanoe™ X
- ECO mode: up to 20% energy savings*
- Aerowings 2.0: Enhanced air flow comfort
- Super Quiet at just 19 dB(A)
- Built-in Wi-Fi: Smart control via Comfort Cloud App
- Compatible with Google Assistant and Amazon Alexa
- Optimised design for easy installation
- Graphite grey, silver, or matt white

* In cooling mode.

Wall-mounted TZ super-compact.

- nanoe™ X (Generator Mark 2): Improve protection 24/7
- Aerowings: Enhanced air flow comfort
- Super Quiet at just 20 dB(A)
- Built-in Wi-Fi: Smart control via Comfort Cloud App
- Compatible with Google Assistant and Amazon Alexa
- Elegant and space saving design, only 765 mm wide
- Optimised design for easy installation 2.0

Wall-mounted indoor units, designed for simple installation and maintenance.

The full range of wall-mounted indoor units has been carefully designed for simple, stress-free installation and ongoing maintenance.

Power Heat Multi system. Reliable heating for cold winters.

- Powerful heating of two or three rooms with one outdoor unit
- Reliable heating even at -25 °C
- Equipped with base pan heater
- High energy efficiency
- Etherea indoor units with nanoe™ X technology to improve protection 24/7

Panasonic Comfort Cloud App.

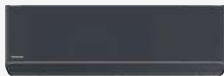
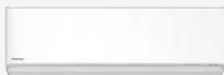
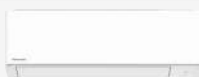
Take control of your comfort: Manage your Panasonic heat pumps anytime, anywhere. Now redesigned for a more intuitive and accessible experience

- Effortless multi-device control and monitoring
- Energy monitoring with statistics
- Easy scheduling with weekly timer
- Easier setup with advanced built-in Wi-Fi

RAC Solo, the compact air conditioner without outdoor unit.

- Slim and compact, only 165 mm deep
- No outdoor unit, only two holes in the wall
- Optimised performance with DC Inverter technology
- Easy and flexible installation
- On-board display with built-in Wi-Fi: Smart control via the Aquarea Home App

Domestic air conditioner R32 range

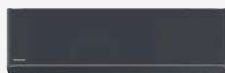
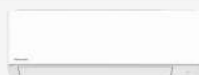
Page	Single split units	2,0 kW	2,5 kW	3,5 kW	4,2 kW	5,0 kW	6,0 kW	7,1 kW
NEW! Wall-mounted Etherea · R32								
P. 12		CS-XZ20CKEW-H CU-Z20CKE	CS-XZ25CKEW-H CU-Z25CKE	CS-XZ35CKEW-H CU-Z35CKE	CS-XZ42CKEW-H CU-Z42CKE			
		CS-XZ20CKEW CU-Z20CKE	CS-XZ25CKEW CU-Z25CKE	CS-XZ35CKEW CU-Z35CKE		CS-XZ50CKEW CU-Z50CKE		
		CS-Z20CKEW CU-Z20CKE	CS-Z25CKEW CU-Z25CKE	CS-Z35CKEW CU-Z35CKE	CS-Z42CKEW CU-Z42CKE	CS-Z50CKEW CU-Z50CKE		CS-Z71CKEW CU-Z71CKE
NEW! Wall-mounted TZ super-compact · R32								
P. 13		CS-TZ20CKEW CU-TZ20CKE	CS-TZ25CKEW CU-TZ25CKE	CS-TZ35CKEW CU-TZ35CKE	CS-TZ42CKEW CU-TZ42CKE	CS-TZ50CKEW CU-TZ50CKE	CS-TZ60CKEW CU-TZ60CKE	CS-TZ71CKEW CU-TZ71CKE
NEW! Wall-mounted BZ super-compact · R32								
P. 14			CS-BZ25CKE CU-BZ25CKE	CS-BZ35CKE CU-BZ35CKE		CS-BZ50CKE CU-BZ50CKE	CS-BZ60CKE CU-BZ60CKE	
NEW! Floor console · R32								
P. 15			CS-Z25CFEAW CU-Z25CBEA	CS-Z35CFEAW CU-Z35CBEA		CS-Z50CFEAW CU-Z50CBEA		
NEW! Low static pressure hide-away · R32								
P. 15			CS-Z25CD3EAW CU-Z25CBEA	CS-Z35CD3EAW CU-Z35CBEA		CS-Z50CD3EAW CU-Z50CBEA	CS-Z60CD3EAW CU-Z60CBEA	
Page	Stand-alone units	1,7 kW	2,0 kW	2,5 kW	3,0 kW			
RAC Solo · R290 / R32								
P. 20		RAC Solo	P-M0G16IC5-UK	P-M0Z20IC5-UK	P-M0Z25IC5-UK	P-M0Z30IC5-UK		
		NEW! RAC Solo with nanoe™ X	P-M0G16IC5A-UK	P-M0Z20IC5A-UK	P-M0Z25IC5A-UK	P-M0Z30IC5A-UK		

Try Panasonic's augmented reality tool, the AR Heat Pump Viewer.



Configure your multi split system in a few steps using our online tool and see all possible combinations.



Page	Multi split indoors	1,6 kW	2,0 kW	2,5 kW	3,5 kW	4,2 kW	5,0 kW	6,0 kW	7,1 kW
NEW! Wall-mounted Etherea									
P. 16			CS-XZ20CKEW-H	CS-XZ25CKEW-H	CS-XZ35CKEW-H	CS-XZ42CKEW-H			
			CS-XZ20CKEW	CS-XZ25CKEW	CS-XZ35CKEW		CS-XZ50CKEW		
		CS-MZ16CKE	CS-Z20CKEW	CS-Z25CKEW	CS-Z35CKEW	CS-Z42CKEW	CS-Z50CKEW		CS-Z71CKEW
NEW! Wall-mounted TZ super-compact									
P. 17		CS-MTZ16CKE	CS-TZ20CKEW	CS-TZ25CKEW	CS-TZ35CKEW	CS-TZ42CKEW	CS-TZ50CKEW	CS-TZ60CKEW	CS-TZ71CKEW
NEW! Floor console									
P. 17			CS-MZ20CFEA	CS-Z25CFEAW	CS-Z35CFEAW		CS-Z50CFEAW		
4 way 60x60 cassette									
P. 17			S-M20PY3E CZ-KPY4W CZ-KPY4B	S-25PY3E CZ-KPY4W CZ-KPY4B	S-36PY3E CZ-KPY4W CZ-KPY4B		S-50PY3E CZ-KPY4W CZ-KPY4B	S-60PY3E CZ-KPY4W CZ-KPY4B	
NEW! Low static pressure hide-away									
P. 17			CS-MZ20CD3EA	CS-Z25CD3EAW	CS-Z35CD3EAW		CS-Z50CD3EAW	CS-Z60CD3EAW	

Page	Free Multi	3,2 ~ 6,0 kW	3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW	4,5 ~ 11,2 kW	4,5 ~ 11,5 kW	4,5 ~ 14,7 kW	4,5 ~ 18,3 kW
NEW! Outdoor units Free Multi system - R32									
P. 16	       								
	CU-2Z35CBE CU-2Z41CBE CU-2Z50CBE CU-3Z52CBE CU-3Z68CBE CU-4Z68CBE CU-4Z80CBE CU-5Z90CBE								

Page	Power Heat Multi	4,0 ~ 8,5 kW (2 room)	4,5 ~ 11,0 kW (3 room)
Outdoor units Power Heat Multi system - R32			
P. 18	 		
	CU-2Z50ABEC CU-3Z75ABEC		

Page	Multi wall TZ	3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW
Outdoor units Multi wall TZ system for TZ indoors - R32				
P. 19	  			
	CU-2TZ41TBE CU-2TZ50TBE CU-3TZ52TBE			

Single split

NEW! Wall-mounted Etherea · R32

nanoe™ X (Generator Mark 3) and internal cleaning.
Built-in Wi-Fi: Smart control via Comfort Cloud App.
Operation range down to -20 °C in heating.



Kit (remote controller included)			Nominal capacity		SEER	SCOP	Indoor unit	Dimension	Weight	Outdoor unit	Dimension ¹⁾	Weight	RRP
			Cooling	Heating				H x W x D			H x W x D		
			kW	kW				A+++ to D			A+++ to D		
Kit graphite grey													
1ph	2,0 kW	KIT-XZ20-CKE-H	2,05	2,80	8,70 A+++	4,80 A++	CS-XZ20CKEW-H	295 x 870 x 229	10	CU-Z20CKE	542 x 780 x 289	27	1,376
	2,5 kW	KIT-XZ25-CKE-H	2,50	3,40	9,50 A+++	5,20 A+++	CS-XZ25CKEW-H	295 x 870 x 229	10	CU-Z25CKE	542 x 780 x 289	27	1,513
	3,5 kW	KIT-XZ35-CKE-H	3,50	4,00	9,50 A+++	5,20 A+++	CS-XZ35CKEW-H	295 x 870 x 229	11	CU-Z35CKE	542 x 780 x 289	31	1,684
	4,2 kW	KIT-XZ42-CKE-H	4,20	5,30	7,10 A++	4,30 A+	CS-XZ42CKEW-H	295 x 870 x 229	10	CU-Z42CKE	542 x 780 x 289	31	1,945
Kit silver													
1ph	2,0 kW	KIT-XZ20-CKE	2,05	2,80	8,70 A+++	4,80 A++	CS-XZ20CKEW	295 x 870 x 229	10	CU-Z20CKE	542 x 780 x 289	27	1,331
	2,5 kW	KIT-XZ25-CKE	2,50	3,40	9,50 A+++	5,20 A+++	CS-XZ25CKEW	295 x 870 x 229	10	CU-Z25CKE	542 x 780 x 289	27	1,458
	3,5 kW	KIT-XZ35-CKE	3,50	4,00	9,50 A+++	5,20 A+++	CS-XZ35CKEW	295 x 870 x 229	11	CU-Z35CKE	542 x 780 x 289	31	1,623
	5,0 kW	KIT-XZ50-CKE	5,00	5,80	8,50 A+++	4,80 A++	CS-XZ50CKEW	295 x 1040 x 244	12	CU-Z50CKE	695 x 875 x 320	42	2,336
Kit matt white													
1ph	2,0 kW	KIT-Z20-CKE	2,05	2,80	8,70 A+++	4,80 A++	CS-Z20CKEW	295 x 870 x 229	10	CU-Z20CKE	542 x 780 x 289	27	1,274
	2,5 kW	KIT-Z25-CKE	2,50	3,40	9,50 A+++	5,20 A+++	CS-Z25CKEW	295 x 870 x 229	10	CU-Z25CKE	542 x 780 x 289	27	1,392
	3,5 kW	KIT-Z35-CKE	3,50	4,00	9,50 A+++	5,20 A+++	CS-Z35CKEW	295 x 870 x 229	11	CU-Z35CKE	542 x 780 x 289	31	1,535
	4,2 kW	KIT-Z42-CKE	4,20	5,30	7,10 A++	4,30 A+	CS-Z42CKEW	295 x 870 x 229	10	CU-Z42CKE	542 x 780 x 289	31	1,807
	5,0 kW	KIT-Z50-CKE	5,00	5,80	8,50 A+++	4,80 A++	CS-Z50CKEW	295 x 1040 x 244	12	CU-Z50CKE	695 x 875 x 320	42	2,092
	7,1 kW	KIT-Z71-CKE	7,10	8,20	6,50 A++	4,20 A+	CS-Z71CKEW	295 x 1040 x 244	13	CU-Z71CKE	695 x 875 x 320	45	2,934

Piping information

Kit	kW	2,0	2,5	3,5	4,2	5,0	7,1
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 3/8
Pipe length range	m	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 15	3 ~ 30	3 ~ 30
Elevation difference (in / out)	m	15	15	15	15	15	20
Pre-charged pipe length	m	7,5	7,5	7,5	7,5	7,5	10
Additional gas amount	g/m	10	10	10	10	15	25

Electrical information (power supply to indoor)

Single phase							
Kit	kW	2,0	2,5	3,5	4,2	5,0	7,1
Recommended fuse	A	16	16	16	16	16	20
Connection in. / out.	mm ²	4x1,5	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5

1) Add 70 mm for piping port.

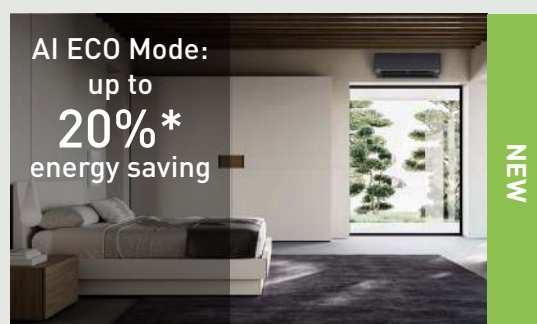
Optimised energy performance.

Etherea provides the highest level of comfort with a low energy consumption.

Its air to air heat pump technology ensures high efficiency all year round, while smart features help reduce running costs.

- A+++ SEER and SCOP ratings – Ensures year-round efficiency
- AI ECO Mode – Boost energy savings by up to 20% in cooling mode. Learns room conditions and balances energy saving with faster cooling

* Energy savings in cooling mode, comparing AI ECO and standard operation, based on a 4,2 kW model.



Panasonic Comfort Cloud App

Download free app.

Other hardware requirements: Wi-Fi internet connection (not included) and Smartphone or tablet with internet access. The Panasonic Cloud Server is fully managed and operated by Panasonic.
* The app screen is for illustration purposes only. The actual screen may differ.



Comfort Cloud



Download on the App Store



GET IT ON Google Play

Single split

NEW! Wall-mounted TZ super-compact • R32

nanoe™ X (Generator Mark 2) to improve protection 24/7.
Built-in Wi-Fi: Smart control via Comfort Cloud App.
Operation range down to -15 °C in heating.



Kit (remote controller included)	Nominal capacity		SEER	SCOP	Indoor unit	Dimension H x W x D mm	Weight kg	Outdoor unit	Dimension ¹⁾ H x W x D mm	Weight kg	RRP £
	Cooling kW	Heating kW									
2,0 kW KIT-TZ20-CKE	2,00	2,70	7,00 A++	4,60 A++	CS-TZ20CKEW	290 x 765 x 214	9	CU-TZ20CKE	542 x 780 x 289	24	969
2,5 kW KIT-TZ25-CKE	2,50	3,30	7,30 A++	4,60 A++	CS-TZ25CKEW	290 x 765 x 214	9	CU-TZ25CKE	542 x 780 x 289	25	1,116
3,5 kW KIT-TZ35-CKE	3,50	4,00	7,30 A++	4,60 A++	CS-TZ35CKEW	290 x 765 x 214	9	CU-TZ35CKE	542 x 780 x 289	30	1,291
1ph 4,2 kW KIT-TZ42-CKE	4,20	5,00	6,60 A++	4,10 A+	CS-TZ42CKEW	290 x 765 x 214	9	CU-TZ42CKE	542 x 780 x 289	31	1,539
5,0 kW KIT-TZ50-CKE	5,00	5,80	6,90 A++	4,50 A+	CS-TZ50CKEW	290 x 765 x 214	9	CU-TZ50CKE	619 x 824 x 299	35	1,642
6,0 kW KIT-TZ60-CKE	6,00	7,00	6,90 A++	4,30 A+	CS-TZ60CKEW	295 x 1060 x 249	14	CU-TZ60CKE	619 x 824 x 299	36	2,030
7,1 kW KIT-TZ71-CKE	7,10	8,20	6,30 A++	4,10 A+	CS-TZ71CKEW	295 x 1060 x 249	15	CU-TZ71CKE	695 x 875 x 320	45	2,341

Piping information

Kit	kW	2,0	2,5	3,5	4,2	5,0	6,0	7,1
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
Pipe length range	m	3 - 15	3 - 15	3 - 15	3 - 15	3 - 20	3 - 30	3 - 30
Elevation difference (in / out)	m	15	15	15	15	15	15	20
Pre-charged pipe length	m	7,5	7,5	7,5	7,5	10	10	10
Additional gas amount	g/m	10	10	10	10	15	15	25

1) Add 70 mm for piping port.

Electrical information (power supply to indoor)

Single phase								
Kit	kW	2,0	2,5	3,5	4,2	5,0	6,0	7,1
Recommended fuse	A	16	16	16	16	16	20	20
Connection in. / out.	mm ²	4x 1,5	4x 1,5	4x 1,5	4x 1,5	4x 2,5	4x 2,5	4x 2,5

Domestic AirCon Quick Selector.

This easy-to-use online tool for our range of domestic products allows you to select the most suitable split or multi-split system for the needs of each project and obtain the specifications for that particular application.

Configure your multi split system in a few steps using our online tool and see all possible combinations.



AR Heat Pump Viewer.

Want to show your customer how a Panasonic air conditioner will look in a particular room?

This is possible with Panasonic's augmented reality tool, the AR Heat Pump Viewer.



Single split

NEW! Wall-mounted BZ super-compact · R32

Cleaner air with PM2,5 filter.

Built-in Wi-Fi: Smart control via Comfort Cloud App.

Operation range down to -15 °C in heating.

NEW



Kit (remote controller included)			Nominal capacity		SEER	SCOP	Indoor unit	Dimension	Weight	Outdoor unit	Dimension ¹⁾	Weight	RRP
			Cooling	Heating									
			kW	kW									
1ph	2,5 kW	KIT-BZ25-CKE	2,50	3,15	6,50 A++	4,40 A+	CS-BZ25CKE	290 x 765 x 214	9	CU-BZ25CKE	542 x 780 x 289	24	728
	3,5 kW	KIT-BZ35-CKE	3,30	3,70	6,50 A++	4,20 A+	CS-BZ35CKE	290 x 765 x 214	9	CU-BZ35CKE	542 x 780 x 289	25	824
	5,0 kW	KIT-BZ50-CKE	5,00	5,40	6,60 A++	4,20 A+	CS-BZ50CKE	290 x 765 x 214	9	CU-BZ50CKE	619 x 824 x 299	35	1,285
	6,0 kW	KIT-BZ60-CKE	6,00	6,80	6,40 A++	4,10 A+	CS-BZ60CKE	290 x 765 x 214	9	CU-BZ60CKE	695 x 875 x 320	42	1,619

Piping information					
Kit	kW	2,5	3,5	5,0	6,0
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2
Pipe length range	m	3 - 15	3 - 15	3 - 15	3 - 30
Elevation difference (in / out)	m	15	15	15	15
Pre-charged pipe length	m	7,5	7,5	10	7,5
Additional gas amount	g/m	10	10	15	15

1) Add 70 mm for piping port.

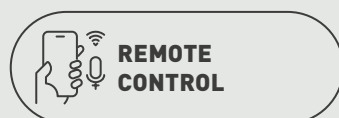
Electrical information (power supply to indoor)					
Single phase					
Kit	kW	2,5	3,5	5,0	6,0
Recommended fuse	A	16	16	16	20
Connection in. / out.	mm ²	4x1,5	4x1,5	4x2,5	4x2,5

Panasonic Comfort Cloud App

Take control of your comfort: Manage your Panasonic heat pumps anytime, anywhere. Now redesigned for a more intuitive and accessible experience.



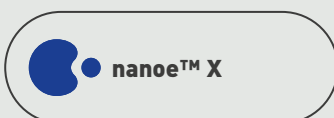
Comfort Cloud



REMOTE CONTROL



MONITOR ENERGY CONSUMPTION



nanoe™ X



WEEKLY TIMER

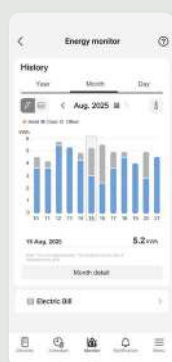
Effortless multi-device control and monitoring.

Monitor and manage multiple Panasonic units from a single smartphone or tablet. Instantly switch devices on or off, adjust temperature or mode, and activate nanoe™ X.



Energy monitoring with statistics.

Track estimated energy use and costs with built-in statistics to support smarter, more efficient living.



Easy scheduling with weekly timer.

Set timers based on your daily routine to maintain a consistently comfortable environment.



* The app screen is for illustration purposes only. The actual screen may differ. * Energy use and costs are estimated. Actual may differ. * Statistics function is not available for some older air conditioner model. * For air conditioners that connect multiple indoor and outdoor units, the energy consumption and electric bill data for each unit will be displayed as the same figure, representing the total for the entire system.

Voice Control. Words do more than actions.

Boundless control and hands-free help to access to the features of your air to air heat pump.

Maximising your comfort is now a breeze with our connected air conditioners using the Panasonic Comfort Cloud App and voice control.

• 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
• Google and Google Home are trademarks of Google LLC.



Single split

NEW! Floor console · R32

nanoe™ X (Generator Mark 3) to improve protection 24/7.
Built-in Wi-Fi: Smart control via Comfort Cloud App.
Operation range down to -15 °C in heating.



Kit (remote controller included)			Nominal capacity		SEER	SCOP	Indoor unit	Dimension	Weight	Outdoor unit	Dimension ¹⁾	Weight	RRP
			Cooling	Heating				H x W x D			H x W x D		
			kW	kW				A+++ to D	A+++ to D		mm	kg	
1ph	2,5 kW	KIT-Z25-CFE	2,50	3,40	7,90 A++	4,60 A++	CS-Z25CFEAW	600 x 750 x 207	13	CU-Z25CBEA	542 x 780 x 289	32	1,782
	3,5 kW	KIT-Z35-CFE	3,50	4,30	8,10 A++	4,60 A++	CS-Z35CFEAW	600 x 750 x 207	13	CU-Z35CBEA	619 x 824 x 299	33	1,922
	5,0 kW	KIT-Z50-CFE	5,00	5,80	6,70 A++	4,30 A+	CS-Z50CFEAW	600 x 750 x 207	13	CU-Z50CBEA	695 x 875 x 320	43	2,328

Piping information				
Kit	kW	2,5	3,5	5,0
Piping diameter (liquid - gas)	Inch	¼ - ¾	¼ - ¾	¼ - ½
Pipe length range	m	3 ~ 20	3 ~ 20	3 ~ 30
Elevation difference (in / out)	m	15	15	20
Pre-charged pipe length	m	7,5	7,5	7,5
Additional gas amount	g/m	10	10	15

1) Add 70 mm for piping port.

Electrical information (power supply to outdoor)				
Single phase				
Kit	kW	2,5	3,5	5,0
Recommended fuse	A	16	16	16
Connection in. / out.	mm²	4x1,5	4x1,5	4x1,5

NEW! Low static pressure hide-away · R32

Compact design: Indoor unit only 200 mm high.
Drain pump included.
Operation range down to -15 °C in heating.



Kit (remote controller included)			Nominal capacity		SEER	SCOP	Indoor unit	Dimension	Weight	Outdoor unit	Dimension ¹⁾	Weight	RRP
			Cooling	Heating				H x W x D			H x W x D		
			kW	kW				A+++ to D			A+++ to D		
1ph	2,5 kW	KIT-Z25-CD3	2,50	3,20	6,20 A++	4,20 A+	CS-Z25CD3EAW	200 x 750 x 640	19	CU-Z25CBEA	542 x 780 x 289	32	1,685
	3,5 kW	KIT-Z35-CD3	3,50	4,20	6,20 A++	4,10 A+	CS-Z35CD3EAW	200 x 750 x 640	19	CU-Z35CBEA	619 x 824 x 299	33	1,783
	5,0 kW	KIT-Z50-CD3	5,10	6,10	6,10 A++	4,10 A+	CS-Z50CD3EAW	200 x 750 x 640	19	CU-Z50CBEA	695 x 875 x 320	43	2,298
	6,0 kW	KIT-Z60-CD3	6,00	7,00	6,00 A+	4,10 A+	CS-Z60CD3EAW	200 x 750 x 640	19	CU-Z60CBEA	695 x 875 x 320	43	2,535

Piping information					
Kit	kW	2,5	3,5	5,0	6,0
Piping diameter (liquid - gas)	Inch	¼ - ¾	¼ - ¾	¼ - ½	¼ - ½
Pipe length range	m	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in / out)	m	15	15	20	20
Pre-charged pipe length	m	7,5	7,5	7,5	7,5
Additional gas amount	g/m	10	10	15	15

1) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port.

Electrical information (power supply to outdoor)					
Single phase					
Kit	kW	2,5	3,5	5,0	6,0
Recommended fuse	A	16	16	16	16
Connection in. / out.	mm²	4x1,5 ~ 2,5	4x1,5 ~ 2,5	4x1,5 ~ 2,5	4x1,5 ~ 2,5

Outdoor units Free Multi system Z

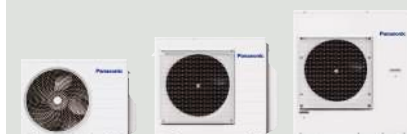
NEW! Outdoor units Free Multi system Z · R32

Up to 5 indoor units with a single outdoor unit.

High energy efficiency class A+++ SEER.

Operation range down to -15 °C in heating.

NEW



Outdoor unit		Nominal capacity		SEER	SCOP	Dimension ¹⁾ H x W x D mm	Weight kg	RRP £
		Cooling kW	Heating kW					
1ph	3,2 ~ 6,0 kW CU-2Z35CBE	3,50	4,20	9,10 A+++	4,80 A++	619 x 824 x 299	37	1,329
	3,2 ~ 6,0 kW CU-2Z41CBE	4,10	4,60	9,10 A+++	4,80 A++	619 x 824 x 299	37	1,509
	3,2 ~ 7,7 kW CU-2Z50CBE	5,00	5,60	8,70 A+++	4,60 A++	619 x 824 x 299	37	1,663
	4,5 ~ 9,5 kW CU-3Z52CBE	5,20	6,80	8,70 A+++	4,70 A++	795 x 875 x 320	61	2,005
	4,5 ~ 11,2 kW CU-3Z68CBE	6,80	8,50	8,20 A++	4,60 A++	795 x 875 x 320	64	2,368
	4,5 ~ 11,5 kW CU-4Z68CBE	6,80	8,50	8,50 A+++	4,60 A++	795 x 875 x 320	64	2,650
	4,5 ~ 14,7 kW CU-4Z80CBE	8,00	9,40	8,50 A+++	4,70 A++	999 x 940 x 340	80	3,329
	4,5 ~ 18,3 kW CU-5Z90CBE	9,00	10,40	8,50 A+++	4,68 A++	999 x 940 x 340	81	3,835

Piping information										
Outdoor unit	kW	2Z35	2Z41	2Z50	3Z52	3Z68	4Z68	4Z80	5Z90	
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	
Pipe length range total ²⁾	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	
Pre-charged pipe length	m	20	20	20	30	30	30	45	45	
Additional gas amount	g/m	15	15	15	20	20	20	20	20	

1) Add 70 mm for piping port. 2) Minimum piping length is 3 meters per indoor unit.

Possible outdoor / indoor units combinations

Rooms	Outdoor unit	Indoor capacity connected (Min - Max)	Wall-mounted Etherea							Wall-mounted TZ super-compact							Floor console				4 way 60x60 cassette					Low static pressure hide-away					
			16	20	25	35	42	50	71	16	20	25	35	42	50	60	71	20	25	35	50	20	25	35	50	60	20	25	35	50	60
2	CU-2Z35CBE	3,2~6,0 kW	•	•	•	•				•	•	•	•					•	•	•		• ¹⁾	• ¹⁾	• ¹⁾			•	•	•		
	CU-2Z41CBE	3,2~6,0 kW	•	•	•	•				•	•	•	•					•	•	•		• ¹⁾	• ¹⁾	• ¹⁾			•	•	•		
	CU-2Z50CBE	3,2~7,7 kW	•	•	•	•	• ¹⁾	• ¹⁾		•	•	•	•	• ¹⁾	• ¹⁾			•	•	•	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾		•	•	•	• ¹⁾	
3	CU-3Z52CBE	4,5~9,5 kW	•	•	•	•	• ¹⁾	• ¹⁾		•	•	•	•	• ¹⁾	• ¹⁾						• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾		•	•	•	• ¹⁾		
	CU-3Z68CBE	4,5~11,2 kW	•	•	•	•	• ¹⁾	• ¹⁾		•	•	•	•	• ¹⁾	• ¹⁾	• ¹⁾					• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾	•	•	•	• ¹⁾	• ¹⁾	
4	CU-4Z68CBE	4,5~11,5 kW	•	•	•	•	• ¹⁾	• ¹⁾		•	•	•	•	• ¹⁾	• ¹⁾	• ¹⁾					• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾	•	•	•	• ¹⁾	• ¹⁾	
	CU-4Z80CBE	4,5~14,7 kW	•	•	•	•	• ¹⁾	• ¹⁾	• ³⁾	•	•	•	•	• ¹⁾	• ¹⁾	• ¹⁾	• ³⁾				• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾	•	•	•	• ¹⁾	• ¹⁾	
5	CU-5Z90CBE	4,5~18,3 kW	•	•	•	•	• ¹⁾	• ¹⁾	• ³⁾	•	•	•	•	• ¹⁾	• ¹⁾	• ¹⁾	• ³⁾				• ¹⁾	• ¹⁾	• ¹⁾	• ¹⁾	• ²⁾	•	•	•	• ¹⁾	• ¹⁾	

1) Pipe reducer indoor unit side 1/2 to 3/8 required. 2) Pipe reducer outdoor unit side 3/8 to 1/2 required. 3) Pipe reducers outdoor unit side 3/8 to 1/2 and indoor unit side 5/8 to 1/2 required.

Compatible indoor units for Free Multi combinations



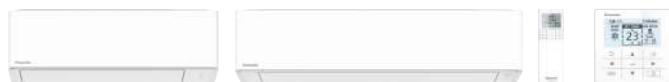
Optional wired remote controller.
CZ-RD517C

Built-in



NEW! Wall-mounted Etherea	Indoor unit graphite grey	Indoor unit silver	Indoor unit matt white	Nominal capacity		Connection in. / out.	Dimension / Weight H x W x D mm / kg	Piping diameter Liquid / Gas Inch (mm)	RRP		
				Cooling kW	Heating kW				Grey £	Silver £	White £
1,6 kW	—	—	CS-MZ16CKE	1,60	2,60	4x1,5	295 x 870 x 229 / 10	1/4 {6,35} / 3/8 {9,52}	—	—	370
2,0 kW	CS-XZ20CKEW-H	CS-XZ20CKEW	CS-Z20CKEW	2,00	3,20	4x1,5	295 x 870 x 229 / 10	1/4 {6,35} / 3/8 {9,52}	494	449	392
2,5 kW	CS-XZ25CKEW-H	CS-XZ25CKEW	CS-Z25CKEW	2,50	3,60	4x1,5	295 x 870 x 229 / 10	1/4 {6,35} / 3/8 {9,52}	598	543	477
3,5 kW ¹⁾	CS-XZ35CKEW-H	CS-XZ35CKEW	CS-Z35CKEW	3,50	4,50	4x1,5	295 x 870 x 229 / 11	1/4 {6,35} / 3/8 {9,52}	679	618	530
4,2 kW ²⁾	CS-XZ42CKEW-H	—	CS-Z42CKEW	4,20	5,60	4x1,5	295 x 870 x 229 / 10	1/4 {6,35} / 3/8 {9,52}	706	—	568
5,0 kW ³⁾	—	CS-XZ50CKEW	CS-Z50CKEW	5,00	6,80	4x2,5	295 x 1040 x 244 / 12	1/4 {6,35} / 3/8 {9,52}	—	1,003	759
7,1 kW	—	—	CS-Z71CKEW	7,10	8,70	4x2,5	295 x 1040 x 244 / 13	1/4 {6,35} / 1/2 {12,70}	—	—	1,159

Compatible indoor units for Free Multi combinations



Optional wired
remote controller.
CZ-RD517C

Built-in

NEW! Wall-mounted TZ super-compact	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Weight	Piping diameter	RRP	
		Cooling	Heating					Liquid / Gas
		kW	kW					mm ²
1,6 kW	CS-MTZ16CKE	1,60	2,60	4x1,5	290 x 765 x 214 / 9	¼ [6,35] / ¾ [9,52]	358	
2,0 kW	CS-TZ20CKEW	2,00	3,20	4x1,5	290 x 765 x 214 / 9	¼ [6,35] / ¾ [9,52]	397	
2,5 kW	CS-TZ25CKEW	2,50	3,60	4x1,5	290 x 765 x 214 / 9	¼ [6,35] / ¾ [9,52]	442	
3,5 kW ¹⁾	CS-TZ35CKEW	3,50	4,50	4x1,5	290 x 765 x 214 / 9	¼ [6,35] / ¾ [9,52]	490	
4,2 kW	CS-TZ42CKEW	4,20	5,60	4x1,5	290 x 765 x 214 / 9	¼ [6,35] / ¾ [9,52]	559	
5,0 kW	CS-TZ50CKEW	5,00	6,80	4x2,5	290 x 765 x 214 / 9	¼ [6,35] / ¾ [9,52]	610	
6,0 kW	CS-TZ60CKEW	6,00	8,50	4x2,5	295 x 1060 x 249 / 14	¼ [6,35] / ½ [12,70]	872	
7,1 kW	CS-TZ71CKEW	7,10	8,70	4x2,5	295 x 1060 x 249 / 15	¼ [6,35] / ½ [12,70]	1,030	



Optional wired
remote controller.
CZ-RD517C

Built-in

NEW! Floor console ⁴⁾	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Weight	Piping diameter	RRP		
		Cooling	Heating					H x W x D	Liquid / Gas
		kW	kW					mm²	mm / kg
2,0 kW	CS-MZ20CFEA	2,00	3,20	4x1,5	600 x 750 x 207 / 13	¼ [6,35] / ¾ [9,52]	774		
2,5 kW	CS-Z25CFEAW	2,50	3,60	4x1,5	600 x 750 x 207 / 13	¼ [6,35] / ¾ [9,52]	964		
3,5 kW ¹⁾	CS-Z35CFEAW	3,50	4,50	4x1,5	600 x 750 x 207 / 13	¼ [6,35] / ¾ [9,52]	1,046		
5,0 kW	CS-Z50CFEAW	5,00	5,30	4x1,5	600 x 750 x 207 / 13	¼ [6,35] / ¾ [9,52]	1,236		



Optional wired
remote controller.
CZ-RTC6W



Optional wired
remote controller.
CZ-RTC6



Panel, white
(RAL9003).
CZ-KPY4W



Panel, graphite
black (RAL9011).
CZ-KPY4B

Panels (sold separately)

4 way 60x60 cassette*	Indoor unit (panels CZ-KPY4W / CZ-KPY4B)	Nominal capacity		Connection in. / out. mm ²	Dimension / Weight		Piping diameter Liquid / Gas Inch (mm)	RRP		
		Cooling	Heating		Indoor H x W x D	Panel H x W x D		Indoor	Panel 4W	Panel 4B
		kW	kW		mm / kg	mm / kg		£	£	£
2,0 kW	S-M20PY3E	2,00	3,20	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	¼{6,35}/¾{9,52}	677	266	266
2,5 kW	S-25PY3E	2,50	3,60	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	¼{6,35}/¾{9,52}	761	266	266
3,5 kW ¹⁾	S-36PY3E	3,50	4,50	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	¼{6,35}/¾{9,52}	806	266	266
5,0 kW ³⁾	S-50PY3E	5,00	6,80	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	¼{6,35}/¾{9,52}	1,116	266	266
6,0 kW	S-60PY3E	6,00	8,50	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	¾{9,52}/½{12,70}	1,083	266	266

* Compatible with Commercial control and connectivity accessories only. For detailed information go to the control systems section.



Optional wireless
control kit.
CZ-RL511D

NEW! Low static pressure hide-away	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Weight	Piping diameter	RRP		
		Cooling	Heating					H x W x D	Liquid / Gas
		kW	kW					mm²	mm / kg
2,0 kW	CS-MZ20CD3EA	2,00	3,20	4x1,5	200 x 750 x 640 / 19	¼ [6,35] / ¾ [9,52]	719		
2,5 kW	CS-Z25CD3EAW	2,50	3,60	4x1,5	200 x 750 x 640 / 19	¼ [6,35] / ¾ [9,52]	867		
3,5 kW ¹⁾	CS-Z35CD3EAW	3,50	4,50	4x1,5	200 x 750 x 640 / 19	¼ [6,35] / ¾ [9,52]	907		
5,0 kW ³⁾	CS-Z50CD3EAW	5,00	6,80	4x1,5	200 x 750 x 640 / 19	¼ [6,35] / ¾ [9,52]	1,206		
6,0 kW	CS-Z60CD3EAW	6,00	8,50	4x1,5	200 x 750 x 640 / 19	¼ [6,35] / ½ [12,70]	1,258		

1) Heating capacity in combination with Free Multi outdoor units except with CU-Z235CBE. In this case, the heating capacity is 4,20 kW. 3) Heating capacity in combination with Free Multi outdoor units except with CU-Z250CBE. In this case, the heating capacity is 5,00 kW. 3) Heating capacity in combination with Free Multi outdoor units except with CU-Z235CBE. In this case, the heating capacity is 5,30 kW. 4) Compatible only with 2 ports R32 outdoor CU-Z235CBE / CU-Z241CBE / CU-Z250CBE. Minimum quantity of connection: 2 indoor units.

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

Power Heat Multi system

POWER HEAT

Outdoor units Power Heat Multi system - R32

Operation range down to -25 °C.

Equipped with base pan heater.

High energy efficiency: SCOP of 4,60.



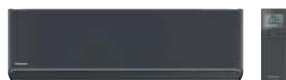
Outdoor unit			Nominal capacity		SEER	SCOP	Dimension ¹⁾ H x W x D mm	Weight kg	RRP £
			Cooling	Heating					
			kW	kW					
1ph	4,0 ~ 8,5 kW	CU-2Z50ABEC	5,30	6,40	8,00 A++	4,40 A+	795 x 875 x 320	58	2,402
	4,5 ~ 11,0 kW	CU-3Z75ABEC	7,50	8,60	8,00 A++	4,60 A++	795 x 875 x 320	62	3,288

Piping information			
Outdoor unit	kW	4,0 ~ 8,5	4,5 ~ 11,0
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8
Pipe length range total	m	50	60
Pipe length range to one unit	m	3 ~ 25	3 ~ 25
Elevation difference (in / out)	m	15	15
Pre-charged pipe length	m	30	30
Additional gas amount	g/m	20	20

1) Add 70 or 95 mm for piping port.

Possible outdoor / indoor units combinations						
Rooms	Outdoor unit	Indoor capacity connected (Min - Max)	Wall-mounted Etherea			
			20	25	35	50
2	CU-2Z50ABEC	4,0 ~ 8,5 kW	•	•	•	•
3	CU-3Z75ABEC	4,5 ~ 11,0 kW	•	•	•	•

Compatible indoor units for Power Heat Multi combinations



Optional wired
remote controller.
CZ-RD517C

Built-in

NEW! Wall-mounted Etherea	Indoor unit graphite grey	Indoor unit silver	Indoor unit matt white	Nominal capacity		Connection in. / out. mm ²	Dimension / Weight H x W x D mm / kg	Piping diameter Liquid / Gas Inch (mm)	RRP		
				Cooling kW	Heating kW				Grey £	Silver £	White £
2,0 kW	CS-XZ20CKEW-H	CS-XZ20CKEW	CS-Z20CKEW	2,00	3,20	4x1,5	295 x 870 x 229 / 10	1/4 (6,35) / 3/8 (9,52)	494	449	392
2,5 kW	CS-XZ25CKEW-H	CS-XZ25CKEW	CS-Z25CKEW	2,50	3,60	4x1,5	295 x 870 x 229 / 10	1/4 (6,35) / 3/8 (9,52)	598	543	477
3,5 kW	CS-XZ35CKEW-H	CS-XZ35CKEW	CS-Z35CKEW	3,50	4,50	4x1,5	295 x 870 x 229 / 11	1/4 (6,35) / 3/8 (9,52)	679	618	530
5,0 kW	—	CS-XZ50CKEW	CS-Z50CKEW	5,00	6,80	4x2,5	295 x 1040 x 244 / 12	1/4 (6,35) / 1/2 (12,70)	—	1,003	759

Power Heat Multi system.

Powerful heating and cleaner indoor air from a single outdoor unit. The multi split system engineered for cold climates.

Powerful heating of two or three rooms with one outdoor unit, even at -25 °C low outdoor temperatures.

The multi split solution offers high flexibility, as 2 to 3 indoor units can be connected to a single outdoor unit.

CHECK OUT THE INSTALLATION OF THE POWER HEAT MULTI SYSTEM AT THE ARCTIC TREEHOUSE HOTEL IN LAPLAND, FINLAND.



Reliable heating for the coldest winters.



RELIABLE HEATING
EVEN AT -25 °C

Reduces the burden of aesthetics, installation and maintenance.



SEAMLESS
INTEGRATION OF
OUTDOOR UNIT



EQUIPPED WITH
BASE PAN HEATER



REDUCED
INSTALLATION
TIME



COMPATIBLE WITH
ETHEREA INDOOR
UNITS, WITH
nanoe™ X



EXCELLENT
MAINTAINABILITY

Multi wall TZ

Outdoor units Multi wall TZ · R32

Up to 3 indoor units with a single outdoor unit.

High energy efficiency class A++ SEER.

Operation range down to -15 °C in heating.



Outdoor unit			Nominal capacity		SEER	SCOP	Dimension ¹⁾ H x W x D mm	Weight kg	RRP £
			Cooling kW	Heating kW					
1ph	3,2 ~ 6,0 kW	CU-2TZ41TBE	4,10	4,40	7,10 A++	4,30 A+	542x 780 x 289	35	1,331
	3,2 ~ 7,7 kW	CU-2TZ50TBE	5,00	5,70	7,00 A++	4,20 A+	542x 780 x 289	35	1,513
	4,5 ~ 9,5 kW	CU-3TZ52TBE	5,20	6,80	7,60 A++	4,20 A+	795 x 875 x 320	71	1,823

Piping information				
Outdoor unit	kW	3,2 ~ 6,0	3,2 ~ 7,7	4,5 ~ 9,5
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8
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
Pre-charged pipe length	m	20	20	30
Additional gas amount	g/m	15	15	20

Electrical information (power supply to indoor)				
Single phase				
Outdoor unit	kW	3,2 ~ 6,0	3,2 ~ 7,7	4,5 ~ 9,5
Recommended fuse	A	16	16	16
Recommended power cable section	mm²	2,5	2,5	2,5
Connection in. / out.	mm²	4x1,5	4x1,5	4x1,5

1) Add 70 or 95 mm for piping port.

Possible outdoor / indoor units combinations								
Rooms	Outdoor unit	Indoor capacity connected (Min - Max)	Wall-mounted TZ super-compact					
			16	20	25	35	42	50
2	CU-2TZ41TBE	3,2 – 6,0 kW	•	•	•	•		
	CU-2TZ50TBE	3,2 – 7,7 kW	•	•	•	•	•	•
3	CU-3TZ52TBE	4,5 – 9,5 kW	•	•	•	•	•	•

Minimum quantity of connection: 2 indoor units.

Compatible indoor units for Multi wall TZ combinations



Optional wired remote controller.
CZ-RD517C

Built-in

NEW! Wall-mounted TZ super-compact	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Weight H x W x D mm / kg	Piping diameter Liquid / Gas Inch (mm)	RRP £
		Cooling kW	Heating kW				
1,6 kW	CS-MTZ16CKE	1,60	2,60	4x1,5	290 x 765 x 214 / 8	1/4 {6,35} / 3/8 {9,52}	358
2,0 kW	CS-TZ20CKEW	2,00	3,20	4x1,5	290 x 765 x 214 / 8	1/4 {6,35} / 3/8 {9,52}	397
2,5 kW	CS-TZ25CKEW	2,50	3,60	4x1,5	290 x 765 x 214 / 8	1/4 {6,35} / 3/8 {9,52}	442
3,5 kW	CS-TZ35CKEW	3,50	4,50	4x1,5	290 x 765 x 214 / 8	1/4 {6,35} / 3/8 {9,52}	490
4,2 kW	CS-TZ42CKEW	4,20	5,60	4x1,5	290 x 765 x 214 / 8	1/4 {6,35} / 1/2 {12,70}	559
5,0 kW	CS-TZ50CKEW	5,00	6,80	4x2,5	290 x 765 x 214 / 8	1/4 {6,35} / 1/2 {12,70}	610

* Available for use with Multi TZ outdoor units from Summer 2026.

RAC Solo

RAC Solo · R290 / R32

No outdoor unit, just two wall openings.
Two separate rounded self-closing grilles.
Slim and compact, only 165 mm deep.
Wi-Fi control via the Aquarea Home app.



Kit matt white										RRP	
			Nominal capacity		EER ¹⁾	COP ¹⁾	Air flow	External air flow	Dimension	Weight	£
			Cooling	Heating	A+++ to D	A+++ to D	Average	Average	H x W x D		
			kW	kW	W/W	W/W	m³/min	m³/min	mm	kg	
1ph	1,7 kW	P-M0G16IC5-UK	1,73	1,71	3,01 A	3,15 A	5,0	6,0	549x810x165	38	2,228
	2,0 kW	P-M0Z20IC5-UK	2,09	2,08	3,29 A+	3,31 A+	5,2	6,3	549x1010x165	41	2,228
	2,5 kW	P-M0Z25IC5-UK	2,33	2,31	3,25 A+	3,28 A+	5,3	6,5	549x1010x165	41	2,361
	3,0 kW	P-M0Z30IC5-UK	2,87	2,75	2,74 A	3,12 A	5,8	7,7	549x1010x165	41	2,584

1) EER and COP in accordance to 626/2011. Scale A+++ to D.

NEW! RAC Solo with nanoe™ X · R290 / R32

No outdoor unit.
nanoe™ X technology.
Slim and compact, only 165 mm deep.
Wi-Fi control via the Aquarea Home app.



Kit matt white										RRP	
			Nominal capacity		EER ¹⁾	COP ¹⁾	Air flow	External air flow	Dimension	Weight	£
			Cooling	Heating	A+++ to D	A+++ to D	Average	Average	H x W x D		
			kW	kW	W/W	W/W	m³/min	m³/min	mm	kg	
1ph	1,7 kW	P-M0G16IC5A-UK	1,73	1,71	3,01 A	3,15 A	5,0	6,0	549 x 810 x 165	38	2,228
	2,0 kW	P-M0Z20IC5A-UK	2,09	2,08	3,29 A+	3,31 A+	5,2	6,3	549 x 1010 x 165	41	2,228
	2,5 kW	P-M0Z25IC5A-UK	2,33	2,31	3,25 A+	3,28 A+	5,3	6,5	549 x 1010 x 165	41	2,361
	3,0 kW	P-M0Z30IC5A-UK	2,87	2,75	2,74 A	3,12 A	5,8	7,7	549 x 1010 x 165	41	2,584

1) EER and COP in accordance to 626/2011. Scale A+++ to D. * Available from Summer 2026.

RAC Solo with nanoe™ X, the compact air conditioner without outdoor unit.

Combining a hyper-compact design that minimises aesthetic impact with advanced nanoe™ X technology to enhance indoor air quality. At just 16,5 cm deep, it is easy to install and features DC Inverter technology for optimised performance.



Seamless integration, indoors and outdoors.



Only 16,5 cm deep (indoor).

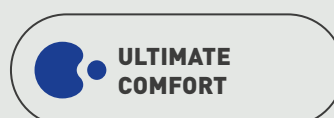


Just two 162 mm holes*.

* 202 mm for the biggest capacity.



Stand-alone unit with no refrigerant connections.



Cleaner indoor air with nanoe™ X.

Connectivity		RRP £
	Interface adapter for integration into S-Link, plus external input and alarm/status output.	CZ-CAPRA1 136
	KNX gateway powered via CN-CNT. For RAC models with CN-CNT connector.	PAW-AC-KNX-1i 421
	KNX gateway with 12 V DC power supply. For RAC models with CN-CNT connector.	PAW-AZAC-KNX-1 358
	DIN rail-mounted Modbus gateway, powered via CN-CNT. For RAC models with CN-CNT connector.	PAW-AC-MBS-1 421
	Modbus gateway with 12 V DC power supply. For RAC models with CN-CNT connector.	PAW-AZAC-MBS-1 358
	DIN rail-mounted BACnet gateway, powered via CN-CNT. For RAC models with CN-CNT connector.	PAW-AC-BAC-1 629
	BACnet gateway with 12 V DC power supply. For RAC models with CN-CNT connector.	PAW-AZAC-BAC-1 592
	Dry contact interface for RAC models with CN-RMT connector.	PAW-AC-DIO 212
Individual controls		RRP £
	Wired remote controller for wall-mounted and floor console.	CZ-RD517C 172
	Infrared Sky Remote controller for hideaway with 2 m infrared receiver cable.	CZ-RL511D 126
	CONEX wired remote controller (non-wireless) for 4 way 60x60 cassette, white.	CZ-RTC6W 172
	CONEX wired remote controller (non-wireless) for 4 way 60x60 cassette, black.	CZ-RTC6 172

Panel		RRP £
	Panel for 4 way 60x60 cassette, white (RAL9003).	CZ-KPY4W 266
	Panel for 4 way 60x60 cassette, graphite black (RAL9011).	CZ-KPY4B 266
RAC Solo accessories		RRP £
	Kit of external aluminium grids with fixed fins (162 mm holes).	PCZ-GB0738 105
	Kit of external aluminium grids with fixed fins (202 mm holes).	PCZ-GB1091 135
	Insect protection kit (1 metal mesh, 1 grid in metal wire and fixing accessories). Only for connection with PCZ-GB1091.	PCZ-GB0755 93
	Side exit formwork for corner installation for P-MOZ20/25IC5A-E (right-hand outlet).	PCZ-L00773 1,187
	Side exit formwork for corner installation for P-MOZ20/25IC5A-E (left-hand outlet).	PCZ-L00774 1,187
	Bottom cover kit for overhead installation for P-MOZ20/25/30IC5A-E.	PCZ-GB0737 93
	Bottom cover kit for overhead installation for P-MOG16IC5A-E.	PCZ-GB1105 93
	Condensate drain pipe heater kit*.	PCZ-GB1119 62

* Check availability.

Commercial air to air – PACi NX

Panasonic's packaged air conditioning range delivers year-round, energy-efficient heating and cooling through advanced inverter compressor technology.

The range demonstrates our commitment to reducing environmental impact while providing reliable and flexible solutions for every project.

PACi



NEW

Multi zone duct.

- Energy efficient ducted unit with individual zone temperature control
- Flexible design: 4 or 5 zones
- Simple and efficient zone control installation
- Built-in Wi-Fi for smart control

Upgraded Jet Air Stream.

- High air distribution for large spaces, with an air volume of up to 5000 m³/h
- Optimal comfort with Smart Jet – self-directing nozzles
- Versatile controller options available including Wi-Fi control

4 way cassettes in graphite black and white panels complement a variety of interiors.

Available for both 60x60 (PY3) and 90x90 (PU3) cassette models.

Precision cooling - P Series.

New PACi NX indoor unit – close control solution for precise temperature and humidity management. An ideal choice for small critical environments such as server rooms, museums, and similar applications.

Air curtain with DX coil.

- Advanced defrost control without disrupting the air curtain effect or causing cold drafts
- Three installation options: suspended, cassette, or built-in
- Quiet operation thanks to optimised fan and nozzle design

PACi NX Elite Series for top-tier commercial air conditioning (3,6 - 25,0 kW).

- 3 wire power and communication for absolute ease of refurbishment
- Highly efficient performance SEER: 8,9 A+++ / SCOP: 5,1 A+++ at 3,6 kW (in 90x90 cassette)
- A compact outdoor unit featuring a single fan across all the capacities
- Long piping allowance, maximum 100 m ¹⁾
- Wide operation range, up to 52 °C in cooling and down to -20 °C in heating
- Big PACi NX range (20,0-25,0 kW): Available with Water Heat Exchanger for chilled and hot water production, offering high energy efficiency rated A+++ (scale: A+++ to D)

1) For models 10,0 – 25,0 kW.

PACi NX Standard Series for economy and value (2,5 - 14,0 kW).

- 3 wire power and communication for absolute ease of refurbishment
- Top class SEER / SCOP in the standard Inverter category SEER: 8,1 A++ / SCOP: 4,8 A++ at 3,6 kW (90x90 cassette)
- Low-height single fan outdoor unit design
- Operation range, up to 43 °C in cooling and down to -15 °C in heating

The complete line-up of air to air indoor units with nanoe™ X as a standard.

Better indoor air quality with nanoe™ X.

- nanoe™ X is a filter free solution that does not require maintenance
- 99,9% SARS-CoV-2 inhibition within 2 hours ¹⁾

1) Novel coronavirus (SARS-CoV-2), [Test organisation] Texcell (France) [Test subject] Adhered novel coronavirus (SARS-CoV-2) [Test volume] 45 L enclosed box [Test result] Inhibited 99,9% in 2 hours [Test report] 1140-01 A1.

Water Heat Exchanger for chilled and hot water production.

- Water outlet temperature in cooling from 5 to 15 °C, in heating from 30 to 55 °C
- Constant 55 °C flow available
- A+++ energy efficiency class (scale: A+++ to D)
- Flexible and space saving system

CONEX. Devices and apps.

- Intuitive control with a stylish design; available in white and black colours
- Apps available for daily remote control operation via Bluetooth® ¹⁾ or Wi-Fi ²⁾
- Panasonic H&C Diagnosis App for professionals ¹⁾

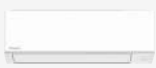
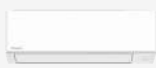
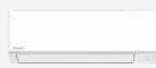
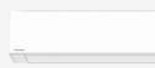
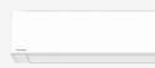
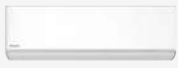
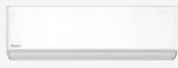
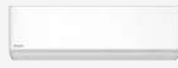
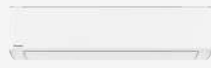
1) Panasonic H&C Control App and Panasonic H&C Diagnosis App. 2) Panasonic Comfort Cloud App.

YKEA-1 server room solution.

Perfect solution for smaller server rooms.

- Designed for 24/7 operation
- Operation down to -25 °C ambient
- Aerowings 2.0 technology for enhanced air flow distribution
- High seasonal performance

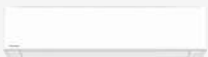
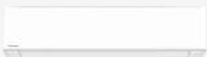
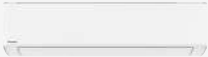
Commercial units range

Page	Indoor units	2,5 kW	3,6 kW	4,5 kW ¹⁾	5,0 kW	6,0 kW
P. 26	PACi NX wall-mounted · R32	 S-2545PK4E	 S-2545PK4E	 S-2545PK4E	 S-5010PK4E	 S-5010PK4E
P. 27	PACi NX 4 way 60x60 cassette · R32	 S-25PY3E	 S-36PY3E		 S-50PY3E	 S-60PY3E
P. 28	PACi NX 4 way 90x90 cassette · R32		 S-3650PU3E	 S-3650PU3E	 S-3650PU3E	 S-6071PU3E
P. 29	PACi NX ceiling · R32		 S-3650PT3E	 S-3650PT3E	 S-3650PT3E	 S-6071PT3E
P. 30	PACi NX adaptive ducted · R32		 S-3650PF3E	 S-3650PF3E	 S-3650PF3E	 S-6071PF3E
P. 31	NEW! PACi NX multi zone duct · R32					
P. 32	NEW! PACi NX Jet Air Stream · R32					
P. 33	Big PACi NX high static pressure hide-away 20-25 kW · R32					
P. 37	Wall-mounted Professional YKEA · R32 ²⁾	 CS-Z25YKEA-1	 CS-Z35YKEA-1	 CS-Z42YKEA-1	 CS-Z50YKEA-1	
P. 38	NEW! P Series – Perimetral · R32					

Outdoor units	2,5 kW	3,6 kW	5,0 kW	6,0 kW
PACi NX Elite · R32 Big PACi NX (20,0-25,0 kW) · R32		 U-36PZH3E5	 U-50PZH3E5	 U-60PZH3E5
PACi NX Standard · R32	 U-25PZ3E5	 U-36PZ3E5	 U-50PZ3E5	 U-60PZ3E5A

1) The 4,5 kW indoor capacity options are only available only for twin, triple and double-twin combinations. 2) Not compatible with PACi NX outdoors and accessories. Domestic range sales conditions may apply. Check with your sales representative. * U-__E5 Single phase / U-__E8 Three phase.

OPTIONAL UNITS ON VENTILATION SECTION

7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
					
S-5010PK4E	S-5010PK4E				
				A new panel in graphite black (RAL9011) is available. 	
				A panel in graphite black (RAL9011) is available. 	
S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E		
					
S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E		
					
S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E		
					
S-7110PQ41E	S-7110PQ41E	S-1014PQ51E	S-1014PQ51E		
					
			P-VTVF140MC5A-PE / P-VTVF140NC5A-PE / P-VTVF140PC5A-PE	P-VTVF250MC5A-PE / P-VTVF250NC5A-PE / P-VTVF250PC5A-PE	
					
				S-200PE4E	S-250PE4E
					
CS-Z71YKEA-1					
					
T-UPZ/OPZ 0071	T-UPZ/OPZ 0111	T-UPZ/OPZ 0121	T-UPZ/OPZ 0141	T-UPZ/OPZ 0211	
7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
					
U-71PZH4E5 / U-71PZH4E8	U-100PZH4E5 / U-100PZH4E8	U-125PZH4E5 / U-125PZH4E8	U-140PZH4E5 / U-140PZH4E8	U-200PZH4E8	U-250PZH4E8
					
U-71PZ3E5A	U-100PZ3E5 / U-100PZ3E8	U-125PZ3E5 / U-125PZ3E8	U-140PZ3E5 / U-140PZ3E8		

Nominal conditions:
 Cooling: 27°Cdb - 19°Cwb - 35°Cdb
 UK conditions
 Cooling: 23°Cdb - 16°Cwb - 30°Cdb
 Heating: 20°Cdb - 7°Cwb - 6°Cwb
 Heating: 20°Cdb - 0°Cwb

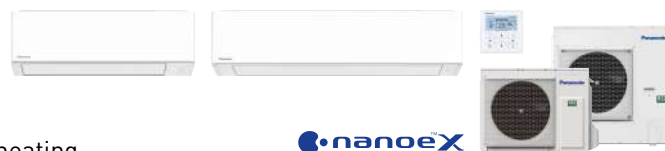
PACi NX Series

PACi NX Series Elite wall-mounted – PK4 · R32

Modern, flat design with a stylish matte white finish featuring nanoe™ X (Generator Mark 3).

Improved fan serviceability.

Operation range up to 52 °C ¹⁾ in cooling and down to -20 °C in heating.



nanoe™ X

Kit (CZ-RTC5B remote controller £172 included)								Indoor unit		Outdoor unit		RRP	
		Nominal capacity				SEER ²⁾	SCOP ²⁾		Dimension/Weight H x W x D mm / kg		Dimension/Weight H x W x D mm / kg		
		Cool	UK Total / Sensible	Heat	UK Total								
		kW	kW	kW	kW								
1ph	3,6 kW	KIT-36PK4ZH5	3,5	3,4 / 2,2	4,0	5,0	7,7 A++	4,7 A++	S-2545PK4E	290x765x214 / 9	U-36PZH3E5	695x875x320 / 42	2,411
	5,0 kW	KIT-50PK4ZH5	5,0	4,9 / 3,4	5,6	5,8	8,0 A++	4,6 A++	S-5010PK4E	295x1060x249 / 14	U-50PZH3E5	695x875x320 / 42	2,944
	6,0 kW	KIT-60PK4ZH5	6,1	6,0 - 4,0	7,0	7,2	7,1 A++	4,7 A++	S-5010PK4E	295x1060x249 / 14	U-60PZH3E5	695x875x320 / 43	3,116
	7,1 kW	KIT-71PK4ZH45	7,1	8,1 - 5,8	7,8	8,0	6,6 A++	4,6 A++	S-5010PK4E	295x1060x249 / 14	U-71PZH4E5	996x980x370 / 66	3,659
	10,0 kW	KIT-100PK4ZH45	9,5	9,4 - 6,6	9,5	10,1	6,6 A++	4,1 A+	S-5010PK4E	295x1060x249 / 14	U-100PZH4E5	996x980x370 / 84	4,257
3ph	7,1 kW	KIT-71PK4ZH48	7,1	8,1 - 5,8	7,8	8,0	6,6 A++	4,6 A++	S-5010PK4E	295x1060x249 / 14	U-71PZH4E8	996x980x370 / 66	3,724
	10,0 kW	KIT-100PK4ZH48	9,5	9,5 - 9,4	9,5	10,1	6,6 A++	4,1 A+	S-5010PK4E	295x1060x249 / 14	U-100PZH4E8	996x980x370 / 82	4,302

Piping information

Kit	kW	3,6	5,0	6,0	7,1	10,0
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8
Pipe length range	m	3~40	3~40	3~40	5~60	5~100
Elevation difference (in / out) ³⁾	m	15/30	15/30	15/30	15/30	15/30
Pre-charged pipe length	m	30	30	30	30	30
Additional gas amount ⁴⁾	g/m	15	15	15	30	40

Electrical information (power supply to outdoor)

Kit	kW	Single phase					Three phase	
		3,6	5,0	6,0	7,1	10,0	7,1	10,0
Recommended fuse	A	20	20	25	25	35	16	16
Connection in. / out.	mm ²	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5	4x2,5	4x2,5

1) For models U-***PZH4E5(8). 2) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the η_{sc} / η_{sh} values is calculated based on EN 14825. 3) Outdoor unit located lower / outdoor unit located higher. 4) Please refer to the technical manual for the required refrigerant amount for multi-indoor systems. 5) UK cooling @30°C, 23°Cdb/16°Cwb. UK heating @20°C, 0°Cwb

PACi NX Series Standard wall-mounted – PK4 · R32

Modern, flat design with a stylish matte white finish featuring nanoe™ X (Generator Mark 3).

Improved fan serviceability.

Operation range up to 43 °C in cooling and down to -15 °C in heating.



nanoe™ X

Kit (CZ-RTC5B remote controller £172 included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER ¹⁾	SCOP ¹⁾	Dimension/Weight H x W x D mm / kg	Dimension/Weight H x W x D mm / kg			
			Cool	UK Total / Sensible	Heat	UK Total							
			kW	kW	kW	kW							
1ph	2,5 kW	KIT-25PK4Z5	2,5	2,4 - 1,8	2,8	4,0	6,6 A++	4,2 A+	S-2545PK4E	290 x 765 x 214 / 9	U-25PZ3E5	619 x 824 x 299 / 32	1,932
	3,6 kW	KIT-36PK4Z5	3,5	3,3 - 2,2	3,6	4,0	6,8 A++	4,4 A+	S-2545PK4E	290 x 765 x 214 / 9	U-36PZ3E5	619 x 824 x 299 / 32	1,995
	5,0 kW	KIT-50PK4Z5	5,0	4,8 - 3,2	5,0	5,6	7,2 A++	4,4 A+	S-5010PK4E	295 x 1060 x 249 / 14	U-50PZ3E5	619 x 824 x 299 / 35	2,572
	6,0 kW	KIT-60PK4Z5	6,1	6,0 - 4,0	6,1	6,3	7,0 A++	4,6 A++	S-5010PK4E	295 x 1060 x 249 / 14	U-60PZ3E5A	695 x 875 x 320 / 42	2,584
	7,1 kW	KIT-71PK4Z5	6,9	6,5 - 4,4	7,1	7,1	6,0 A+	4,4 A+	S-5010PK4E	295 x 1060 x 249 / 14	U-71PZ3E5A	695 x 875 x 320 / 50	2,942
	10,0 kW	KIT-100PK4Z5	9,0	9,0 - 5,6	9,0	9,7	6,2 A++	4,0 A+	S-5010PK4E	295 x 1060 x 249 / 14	U-100PZ3E5	996 x 980 x 370 / 83	3,295
3ph	10,0 kW	KIT-100PK4Z8	9,0	9,0 - 5,6	9,0	9,7	6,2 A++	4,0 A+	S-5010PK4E	295 x 1060 x 249 / 14	U-100PZ3E8	996 x 980 x 370 / 83	3,413

Piping information							
Kit	kW	2,5	3,6	5,0	6,0	7,1	10,0
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8	3/8 - 5/8
Pipe length range	m	3~15	3~15	3~20	3~40	3~40	5~50
Elevation difference (in / out) ²⁾	m	15/15	15/15	15/15	15/30	20/30	15/30
Pre-charged pipe length	m	7,5	7,5	7,5	30	30	30
Additional gas amount	g/m	10	10	15	15	17	45

Electrical information (power supply to outdoor)								
Kit	kW	Single phase					Three phase	
		2,5	3,6	5,0	6,0	7,1	10,0	10,0
Recommended fuse	A	16	20	20	25	25	35	16
Connection in. / out.	mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5	4x2,5

1) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the η_{sc} / η_{sh} values is calculated based on EN 14825. 2) Outdoor unit located lower / outdoor unit located higher.

PACi NX Series

PACi NX Series Elite and Standard 4 way 60x60 cassette – PY3 · R32

nanoe™ X (Generator Mark 2).

Panel (HxWxD / net weight): 30x625x625 mm / 2,8 kg.

White and graphite black panel options available.

Panel.
White (RAL9003):
CZ-KPY4W
Graphite black
(RAL9011):
CZ-KPY4B



Kit (CZ-RTC5B remote controller £172 and CZ-KPY4 panel £266 included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity		SEER ¹⁾		SCOP ¹⁾			Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total							
			kW	kW	kW	kW			mm / kg		mm / kg		£
Elite													
1ph	3.6 kW	KIT-36PY3ZH5	3.6	3.5/2.3	4.0	4.5	7.3 A++	4.7 A++	S-36PY3E	243 x 575 x 575 / 15	U-36PZH3E5	695 x 875 x 320 / 42	2,589
	5.0 kW	KIT-50PY3ZH5	5.0	4.9/3.1	5.6	5.8	7.0 A++	4.6 A++	S-50PY3E	243 x 575 x 575 / 15	U-50PZH3E5	695 x 875 x 320 / 42	2,927
	6.0 kW	KIT-60PY3ZH5	6.0	5.9/3.7	7.0	6.7	6.7 A++	4.3 A+	S-60PY3E	243 x 575 x 575 / 15	U-60PZH3E5	695 x 875 x 320 / 43	3,301
Standard													
1ph	2.5 kW	KIT-25PY3Z5	2.5	2.4/1.6	3.2	4.0	6.5 A++	4.6 A++	S-25PY3E	243 x 575 x 575 / 15	U-25PZ3E5	619 x 824 x 299 / 32	2,065
	3.6 kW	KIT-36PY3Z5	3.6	3.4/2.3	3.6	4.0	6.7 A++	4.3 A+	S-36PY3E	243 x 575 x 575 / 15	U-36PZ3E5	619 x 824 x 299 / 32	2,173
	5.0 kW	KIT-50PY3Z5	5.0	4.8/3.0	5.0	5.6	7.3 A++	4.4 A+	S-50PY3E	243 x 575 x 575 / 15	U-50PZ3E5	619 x 824 x 299 / 35	2,555
	6.0 kW	KIT-60PY3Z5	6.0	5.9/3.7	6.0	6.3	6.8 A++	4.2 A+	S-60PY3E	243 x 575 x 575 / 15	U-60PZ3E5A	695 x 875 x 320 / 42	2,769

Piping information

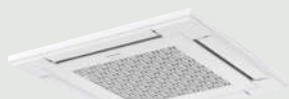
Kit	kW	Elite			Standard			
		3,6	5,0	6,0	2,5	3,6	5,0	6,0
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½
Pipe length range	m	3~40	3~40	3~40	3~15	3~15	3~20	3~40
Elevation difference (in / out) ²⁾	m	15/30	15/30	15/30	15/15	15/15	15/15	15/30
Pre-charged pipe length	m	30	30	30	7,5	7,5	7,5	30
Additional gas amount	g/m	15	15	15	10	10	15	15

Electrical information (power supply to outdoor)

Kit	kW	Single phase			
		2,5	3,6	5,0	6,0
Recommended fuse	A	16	16	16	20
Connection in. / out.	mm ²	4x1,5	4x1,5	4x1,5	4x2,5

1) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825.
2) Outdoor unit located lower / outdoor unit located higher.

**White and graphite black panels
available for the 4 way 60x60
cassette, offering versatile options for
residential and light commercial
applications.**



**Panel,
white (RAL9003).**
CZ-KPY4W



**Panel,
graphite black (RAL9011).**
CZ-KPY4B



PACi NX Series

PACi NX Series Elite 4 way 90x90 cassette – PU3 · R32

nanoe™ X (Generator Mark 1).

Panel (H x W x D / net weight): 33,5 x 950 x 950 mm / 5 kg.

Advanced Econavi function available (optional panel: CZ-KPU3A).

Operation range up to 52 °C ¹⁾ in cooling and down to -20 °C in heating.



Kit (CZ-RTC5B remote controller £172 and CZ-KPU3W panel £242 included)								Indoor unit		Outdoor unit		RRP
		Nominal capacity				SEER / n _{s,c} ²⁾	SCOP / n _{s,h} ²⁾		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
		Cool	UK Total / Sensible	Heat	UK Total							
		kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW KIT-36PU3ZH5	3.6	3.5/2.6	4.0	4.5	8.9 A+++	5.1 A+++	S-3650PU3E	256 x 840 x 840 / 19	U-36PZH3E5	695 x 875 x 320 / 42	2,448
	5.0 kW KIT-50PU3ZH5	5.0	4.9/3.4	5.6	5.9	8.6 A+++	4.9 A++	S-3650PU3E	256 x 840 x 840 / 19	U-50PZH3E5	695 x 875 x 320 / 42	2,678
	6.0 kW KIT-60PU3ZH5	6.0	5.9/4.1	7.0	7.2	8.0 A++	4.8 A++	S-6071PU3E	256 x 840 x 840 / 20	U-60PZH3E5	695 x 875 x 320 / 43	3,203
	7.1 kW KIT-71PU3ZH45	7.1	8.1/6.2	8.0	8.3	7.7 A++	4.8 A++	S-6071PU3E	256 x 840 x 840 / 20	U-71PZH4E5	996 x 980 x 370 / 66	3,746
	10.0 kW KIT-100PU3ZH45	10.0	11.2/9.1	11.2	12.7	7.8 A++	4.9 A++	S-1014PU3E	319 x 840 x 840 / 25	U-100PZH4E5	996 x 980 x 370 / 84	4,453
	12.5 kW KIT-125PU3ZH45	12.5	12.5/9.9	14.0	14.6	304.3%	186.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZH4E5	996 x 980 x 370 / 86	4,792
3ph	14.0 kW KIT-140PU3ZH45	14.0	14.3/10.9	16.0	16.4	286.6%	181.2%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZH4E5	996 x 980 x 370 / 86	5,266
	7.1 kW KIT-71PU3ZH48	7.1	8.1/6.2	8.0	8.3	7.6 A++	4.8 A++	S-6071PU3E	256 x 840 x 840 / 20	U-71PZH4E8	996 x 980 x 370 / 66	3,811
	10.0 kW KIT-100PU3ZH48	10.0	11.2/9.1	11.2	12.7	7.7 A++	4.9 A++	S-1014PU3E	319 x 840 x 840 / 25	U-100PZH4E8	996 x 980 x 370 / 82	4,498
	12.5 kW KIT-125PU3ZH48	12.5	12.5/9.9	14.0	14.6	303.3%	186.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZH4E8	996 x 980 x 370 / 84	4,937
	14.0 kW KIT-140PU3ZH48	14.0	14.3/10.9	16.0	16.4	285.6%	181.1%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZH4E8	996 x 980 x 370 / 84	5,654

Piping information									
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0	
Piping diameter (liquid - gas)	Inch	1/4-1/2	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	
Pipe length range	m	3~40	3~40	3~40	5~60	5~100	5~100	5~100	
Elevation difference (in / out) ³⁾	m	15/30	15/30	15/30	15/30	15/30	15/30	15/30	
Pre-charged pipe length	m	30	30	30	30	30	30	30	
Additional gas amount	g/m	15	15	15	30	40 ⁴⁾	40 ⁴⁾	40 ⁴⁾	

Electrical information (power supply to outdoor)													
Kit	kW	Single phase						Three phase					
		3,6	5,0	6,0	7,1	10,0	12,5	14,0	7,1	10,0	12,5	14,0	
Recommended fuse	A	20	20	25	25	35	40	40	16	16	16	16	
Connection in. / out.	mm ²	4x1,5			4x2,5				4x2,5				

1) For models U-***PZH4E5(8). 2) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825. 3) Outdoor unit located lower / outdoor unit located higher. 4) 25g/m over 85m

PACi NX Series Standard 4 way 90x90 cassette – PU3 · R32

nanoe™ X (Generator Mark 1).

Panel (H x W x D / net weight): 33,5 x 950 x 950 mm / 5 kg.

Advanced Econavi function available (optional panel: CZ-KPU3A).

Operation range up to 43 °C in cooling and down to -15 °C in heating.



Kit (CZ-RTC5B remote controller £172 and CZ-KPU3W panel £242 included)								Indoor unit		Outdoor unit		RRP	
		Nominal capacity				SEER / n _{s,c} ¹⁾	SCOP / n _{s,h} ¹⁾		Dimension / Weight H x W x D		Dimension / Weight H x W x D		
		Cool	UK Total / Sensible	Heat	UK Total								
		kW	kW	kW	kW				mm / kg		mm / kg	£	
1ph	3.6 kW	KIT-36PU3Z5	3.6	3.4/2.6	3.6	4.0	8.1 A++	4.8 A++	S-3650PU3E	256 x 840 x 840 / 19	U-36PZ3E5	619 x 824 x 299 / 32	2,032
	5.0 kW	KIT-50PU3Z5	5.0	4.8/3.3	5.0	5.6	8.0 A++	4.7 A++	S-3650PU3E	256 x 840 x 840 / 19	U-50PZ3E5	619 x 824 x 299 / 35	2,306
	6.0 kW	KIT-60PU3Z5	6.0	5.9/4.1	6.0	6.3	7.8 A++	4.9 A++	S-6071PU3E	256 x 840 x 840 / 20	U-60PZ3E5A	695 x 875 x 320 / 42	2,671
	7.1 kW	KIT-71PU3Z5	7.1	6.7/4.4	7.1	7.1	6.8 A++	4.6 A++	S-6071PU3E	256 x 840 x 840 / 20	U-71PZ3E5A	695 x 875 x 320 / 50	3,029
	10.0 kW	KIT-100PU3Z5	10.0	10.7/7.6	10.0	13.0	6.8 A++	4.4 A+	S-1014PU3E	319 x 840 x 840 / 25	U-100PZ3E5	996 x 980 x 370 / 83	3,491
	12.5 kW	KIT-125PU3Z5	12.5	12.6/8.4	12.5	14.7	267.0%	157.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZ3E5	996 x 980 x 370 / 87	3,862
	14.0 kW	KIT-140PU3Z5	14.0	13.9/9.2	14.0	15.4	257.0%	152.2%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZ3E5	996 x 980 x 370 / 87	4,563
3ph	10.0 kW	KIT-100PU3Z8	10.0	10.7/7.6	10.0	13.0	6.7 A++	4.4 A+	S-1014PU3E	319 x 840 x 840 / 25	U-100PZ3E8	996 x 980 x 370 / 83	3,609
	12.5 kW	KIT-125PU3Z8	12.5	12.6/8.4	12.5	14.7	265.8%	157.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZ3E8	996 x 980 x 370 / 87	3,934
	14.0 kW	KIT-140PU3Z8	14.0	13.9/9.2	14.0	15.4	256.2%	152.2%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZ3E8	996 x 980 x 370 / 87	4,599

Piping information									
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0	
Piping diameter (liquid - gas)	Inch	1/4-1/2	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	
Pipe length range	m	3~15	3~20	3~40	3~40	5~50	5~50	5~50	
Elevation difference (in / out) ²⁾	m	15/15	15/15	15/30	20/30	15/30	15/30	15/30	
Pre-charged pipe length	m	7,5	7,5	30	30	30	30	30	
Additional gas amount	g/m	10	15	15	17	45	45	45	

Electrical information (power supply to outdoor)													
Kit	kW	Single phase						Three phase					
		3,6	5,0	6,0	7,1	10,0	12,5	14,0	10,0	12,5	14,0		
Recommended fuse	A	16	16	20	20	30	40	40	16	20	20		
Connection in. / out.	mm ²	4x1,5			4x2,5				4x2,5				

1) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825. 2) Outdoor unit located lower / outdoor unit located higher.

White and graphite black panels available for the 4 way 90x90 cassette, offering versatile options for commercial applications.

Standard panel, white
(RAL9003).
CZ-KPU3



Econavi panel, white
(RAL9003).
CZ-KPU3A



Standard panel, graphite
black (RAL9011).
CZ-KPU3B



PACi NX Series

PACi NX Series Elite ceiling – PT3 · R32

Large and wide air distribution good for big rooms.

nanoe™ X (Generator Mark 2).

Operation range up to 52 °C ¹⁾ in cooling and down to -20 °C in heating.



Kit (CZ-RTC5B remote controller £172 included)									Indoor unit		Outdoor unit		RRP
		Nominal capacity		Heat	UK Total	SEER / n _{s,c} ²⁾	SCOP / n _{s,h} ²⁾		Dimension / Weight	Dimension / Weight			
		Cool	UK Total / Sensible						H x W x D	H x W x D			
		kW	kW	kW	kW	mm / kg			mm / kg		£		
1ph	3.6 kW	KIT-36PT3ZH5	3.5	3.4/2.5	4.0	4.5	7.7 A++	4.9 A++	S-3650PT3E	235 x 960 x 690 / 26	U-36PZH3E5	695 x 875 x 320 / 42	2,549
	5.0 kW	KIT-50PT3ZH5	5.0	4.9/3.3	5.6	5.8	7.4 A++	4.8 A++	S-3650PT3E	235 x 960 x 690 / 26	U-50PZH3E5	695 x 875 x 320 / 42	2,779
	6.0 kW	KIT-60PT3ZH5	6.0	5.9/4.0	7.0	7.2	7.5 A++	4.8 A++	S-6071PT3E	235 x 1275 x 690 / 34	U-60PZH3E5	695 x 875 x 320 / 43	3,234
	7.1 kW	KIT-71PT3ZH45	6.8	8.1/6.0	8.0	8.0	7.3 A++	4.7 A++	S-6071PT3E	235 x 1275 x 690 / 34	U-71PZH4E5	996 x 980 x 370 / 66	3,777
	10.0 kW	KIT-100PT3ZH45	9.5	11.2/8.5	11.2	12.3	7.3 A++	4.5 A+	S-1014PT3E	235 x 1590 x 690 / 40	U-100PZH4E5	996 x 980 x 370 / 84	4,715
	12.5 kW	KIT-125PT3ZH45	12.1	12.5/9.5	14.0	14.2	278.4%	175.6%	S-1014PT3E	235 x 1590 x 690 / 40	U-125PZH4E5	996 x 980 x 370 / 86	5,054
3ph	14.0 kW	KIT-140PT3ZH45	13.4	14.3/10.3	16.0	15.9	263.3%	169.3%	S-1014PT3E	235 x 1590 x 690 / 40	U-140PZH4E5	996 x 980 x 370 / 86	5,528
	7.1 kW	KIT-71PT3ZH48	6.8	8.1/6.0	8.0	8.0	7.2 A++	4.7 A++	S-6071PT3E	235 x 1275 x 690 / 34	U-71PZH4E8	996 x 980 x 370 / 66	3,842
	10.0 kW	KIT-100PT3ZH48	9.5	11.2/8.5	11.2	12.3	7.2 A++	4.5 A+	S-1014PT3E	235 x 1590 x 690 / 40	U-100PZH4E8	996 x 980 x 370 / 82	4,760
	12.5 kW	KIT-125PT3ZH48	12.1	12.5/9.5	14.0	14.2	277.3%	175.6%	S-1014PT3E	235 x 1590 x 690 / 40	U-125PZH4E8	996 x 980 x 370 / 84	5,199
	14.0 kW	KIT-140PT3ZH48	13.4	14.3/10.3	16.0	15.9	262.4%	169.3%	S-1014PT3E	235 x 1590 x 690 / 40	U-140PZH4E8	996 x 980 x 370 / 84	5,916

Piping information

Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	1/4-1/2	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8
Pipe length range	m	3~40	3~40	3~40	5~60	5~100	5~100	5~100
Elevation difference (in / out) ³⁾	m	15/30	15/30	15/30	15/30	15/30	15/30	15/30
Pre-charged pipe length	m	30	30	30	30	30	30	30
Additional gas amount	g/m	15	15	15	30	40 ⁴⁾	40 ⁴⁾	40 ⁴⁾

Electrical information (power supply to outdoor)

		Single phase						Three phase					
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0	7,1	10,0	12,5	14,0	
Recommended fuse	A	20	20	25	25	35	40	40	16	16	16	16	
Connection in. / out.	mm ²	4x1,5			4x2,5				4x2,5				

1) For models U-***PZH4E5(8). 2) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the n_{s,c} / n_{s,h} values is calculated based on EN 14825. 3) Outdoor unit located lower / outdoor unit located higher. 4) 25g/m over 85 m

PACi NX Series Standard ceiling – PT3 · R32

Large and wide air distribution good for big rooms.

nanoe™ X (Generator Mark 2).

Operation range up to 43 °C in cooling and down to -15 °C in heating.



Kit (CZ-RTC5B remote controller £172 included)									Indoor unit		Outdoor unit		RRP
		Nominal capacity				SEER / n _{s,c} ¹⁾	SCOP / n _{s,h} ¹⁾		Dimension / Weight H x W x D		Dimension / Weight H x W x D		
		Cool	UK Total / Sensible	Heat	UK Total								
		kW	kW	kW	kW			mm / kg		mm / kg		£	
1ph	3.6 kW	KIT-36PT3Z5	3.5	3.3/2.4	3.5	4.0	7.2 A++	4.4 A+	S-3650PT3E	235 x 960 x 690 / 26	U-36PZ3E5	619 x 824 x 299 / 32	2,133
	5.0 kW	KIT-50PT3Z5	5.0	4.8/3.2	5.0	5.6	6.7 A++	4.1 A+	S-3650PT3E	235 x 960 x 690 / 26	U-50PZ3E5	619 x 824 x 299 / 35	2,407
	6.0 kW	KIT-60PT3Z5	6.0	5.9/4.0	6.0	6.3	7.3 A++	4.6 A++	S-6071PT3E	235 x 1275 x 690 / 34	U-60PZ3E5A	695 x 875 x 320 / 42	2,702
	7.1 kW	KIT-71PT3Z5	6.8	6.5/4.3	6.8	7.1	5.9 A+	4.3 A+	S-6071PT3E	235 x 1275 x 690 / 34	U-71PZ3E5A	695 x 875 x 320 / 50	3,060
	10.0 kW	KIT-100PT3Z5	10.0	10.7/7.1	10.0	13.0	6.6 A++	4.2 A+	S-1014PT3E	235 x 1590 x 690 / 40	U-100PZ3E5	996 x 980 x 370 / 83	3,753
	12.5 kW	KIT-125PT3Z5	12.5	12.6/8.2	12.5	14.7	241.7%	147.4%	S-1014PT3E	235 x 1590 x 690 / 40	U-125PZ3E5	996 x 980 x 370 / 87	4,124
3ph	14.0 kW	KIT-140PT3Z5	14.0	13.9/8.9	14.0	15.4	228.8%	145.3%	S-1014PT3E	235 x 1590 x 690 / 40	U-140PZ3E5	996 x 980 x 370 / 87	4,825
	10.0 kW	KIT-100PT3Z8	10.0	10.7/7.1	10.0	13.0	6.5 A++	4.2 A+	S-1014PT3E	235 x 1590 x 690 / 40	U-100PZ3E8	996 x 980 x 370 / 83	3,871
	12.5 kW	KIT-125PT3Z8	12.5	12.6/8.2	12.5	14.7	240.9%	147.4%	S-1014PT3E	235 x 1590 x 690 / 40	U-125PZ3E8	996 x 980 x 370 / 87	4,196
	14.0 kW	KIT-140PT3Z8	14.0	13.9/8.9	14.0	15.4	228.1%	145.3%	S-1014PT3E	235 x 1590 x 690 / 40	U-140PZ3E8	996 x 980 x 370 / 87	4,861

Piping information

Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	1/4-1/2	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8
Pipe length range	m	3~15	3~20	3~40	3~40	5~50	5~50	5~50
Elevation difference (in / out) ²⁾	m	15/15	15/15	15/30	20/30	15/30	15/30	15/30
Pre-charged pipe length	m	7,5	7,5	30	30	30	30	30
Additional gas amount	g/m	10	15	15	17	45	45	45

Electrical information (power supply to outdoor)

		Single phase						Three phase					
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0	10,0	12,5	14,0		
Recommended fuse	A	16	16	20	20	35	40	40	16	20	20		
Connection in. / out.	mm ²	4x1,5			4x2,5				4x2,5				

1) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the n_{s,c} / n_{s,h} values is calculated based on EN 14825. 2) Outdoor unit located lower / outdoor unit located higher.

PACi NX Series

PACi NX Series Elite adaptive ducted unit – PF3 · R32

2 installation possibilities (horizontal / vertical) with high ESP 150 Pa.
nanoe™ X (Generator Mark 2).

Operation range up to 52 °C ¹⁾ in cooling and down to -20 °C in heating.



Kit (CZ-RTC5B remote controller £172 included)						Indoor unit		Outdoor unit		RRP
		Nominal capacity				SEER / n _{s,c} ²⁾	SCOP / n _{s,h} ²⁾	Dimension / Weight H x W x D	Dimension / Weight H x W x D	
		Cool	UK Total / Sensible	Heat	UK Total					
		kW	kW	kW	kW					£
1ph	3.6 kW KIT-36PF3ZH5	3.6	3.5/2.4	4.0	4.5	6.8 A++	4.5 A+	S-3650PF3E 250 x 800 x 730 / 25	U-36PZH3E5 695 x 875 x 320 / 42	2,550
	5.0 kW KIT-50PF3ZH5	5.0	4.9/3.2	5.6	5.8	6.1 A++	4.2 A+	S-3650PF3E 250 x 800 x 730 / 25	U-50PZH3E5 695 x 875 x 320 / 42	2,780
	6.0 kW KIT-60PF3ZH5	5.7	5.6/3.7	7.0	7.2	7.1 A++	4.4 A+	S-6071PF3E 250 x 1000 x 730 / 30	U-60PZH3E5 695 x 875 x 320 / 43	3,202
	7.1 kW KIT-71PF3ZH45	6.8	7.1/5.5	7.5	8.0	7.1 A++	4.7 A++	S-6071PF3E 250 x 1000 x 730 / 30	U-71PZH4E5 996 x 980 x 370 / 66	3,745
	10.0 kW KIT-100PF3ZH45	9.5	10.2/8.2	10.8	11.9	7.4 A++	4.3 A+	S-1014PF3E 250 x 1400 x 730 / 39	U-100PZH4E5 996 x 980 x 370 / 84	4,705
	12.5 kW KIT-125PF3ZH45	12.1	12.1/9.3	13.5	13.6	281.7%	165.0%	S-1014PF3E 250 x 1400 x 730 / 39	U-125PZH4E5 996 x 980 x 370 / 86	5,044
3ph	14.0 kW KIT-140PF3ZH45	13.4	13.7/10.1	15.5	15.4	275.9%	162.6%	S-1014PF3E 250 x 1400 x 730 / 39	U-140PZH4E5 996 x 980 x 370 / 86	5,518
	7.1 kW KIT-71PF3ZH48	6.8	7.1/5.5	7.5	8.0	7.1 A++	4.7 A++	S-6071PF3E 250 x 1000 x 730 / 30	U-71PZH4E8 996 x 980 x 370 / 66	3,810
	10.0 kW KIT-100PF3ZH48	9.5	10.2/8.2	10.8	11.9	7.4 A++	4.3 A+	S-1014PF3E 250 x 1400 x 730 / 39	U-100PZH4E8 996 x 980 x 370 / 82	4,750
	12.5 kW KIT-125PF3ZH48	12.1	12.1/9.3	13.5	13.6	281.0%	165.0%	S-1014PF3E 250 x 1400 x 730 / 39	U-125PZH4E8 996 x 980 x 370 / 84	5,189
	14.0 kW KIT-140PF3ZH48	13.4	13.7/10.1	15.5	15.4	275.2%	162.6%	S-1014PF3E 250 x 1400 x 730 / 39	U-140PZH4E8 996 x 980 x 370 / 84	5,906

Piping information									
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0	
Piping diameter (liquid - gas)	Inch	1/4-1/2	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	
Pipe length range	m	3~40	3~40	3~40	5~60	5~100	5~100	5~100	
Elevation difference (in / out) ³⁾	m	15/30	15/30	15/30	15/30	15/30	15/30	15/30	
Pre-charged pipe length	m	30	30	30	30	30	30	30	
Additional gas amount	g/m	15	15	15	30	40 ⁴⁾	40 ⁴⁾	40 ⁴⁾	

Electrical information (power supply to outdoor)													
Kit	kW	Single phase						Three phase					
		3,6	5,0	6,0	7,1	10,0	12,5	14,0	7,1	10,0	12,5	14,0	
Recommended fuse	A	20	20	25	25	35	40	40	16	16	20	20	
Connection in. / out.	mm ²	4x1,5			4x2,5			4x2,5					

1) For models U-***PZH4E5(8). 2) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the n_{s,c} / n_{s,h} values is calculated based on EN 14825. 3) Outdoor unit located lower / outdoor unit located higher. 4) 25g/m over 85 m

PACi NX Series Standard adaptive ducted unit – PF3 · R32

2 installation possibilities (horizontal / vertical) with high ESP 150 Pa. nanoe™ X (Generator Mark 2).

Operation range up to 43 °C in cooling and down to -15 °C in heating.



Kit (CZ-RTC5B remote controller £172 included)						Indoor unit		Outdoor unit		RRP
		Nominal capacity				SEER / n _{s,c} ¹⁾	SCOP / n _{s,h} ¹⁾	Dimension / Weight H x W x D	Dimension / Weight H x W x D	
		Cool	UK Total / Sensible	Heat	UK Total					
		kW	kW	kW	kW					£
1ph	3.6 kW KIT-36PF3Z5	3.4	3.2/2.3	3.4	4.0	6.0 A+	4.0 A+	S-3650PF3E 250 x 800 x 730 / 25	U-36PZ3E5 619 x 824 x 299 / 32	2,134
	5.0 kW KIT-50PF3Z5	5.0	4.8/3.1	5.0	5.2	6.5 A++	4.0 A+	S-3650PF3E 250 x 800 x 730 / 25	U-50PZ3E5 619 x 824 x 299 / 35	2,408
	6.0 kW KIT-60PF3Z5	5.7	5.6/3.7	5.7	6.3	6.4 A++	4.4 A+	S-6071PF3E 250 x 1000 x 730 / 30	U-60PZ3E5A 695 x 875 x 320 / 42	2,670
	7.1 kW KIT-71PF3Z5	6.8	6.5/4.2	6.8	7.1	6.0 A+	4.1 A+	S-6071PF3E 250 x 1000 x 730 / 30	U-71PZ3E5A 695 x 875 x 320 / 50	3,028
	10.0 kW KIT-100PF3Z5	9.5	10.6/7.3	9.5	12.5	6.6 A++	3.9 A	S-1014PF3E 250 x 1400 x 730 / 39	U-100PZ3E5 996 x 980 x 370 / 83	3,743
	12.5 kW KIT-125PF3Z5	12.1	12.6/8.2	12.1	14.7	257.4%	142.6%	S-1014PF3E 250 x 1400 x 730 / 39	U-125PZ3E5 996 x 980 x 370 / 87	4,114
3ph	14.0 kW KIT-140PF3Z5	13.4	13.9/9.0	13.4	15.4	252.2%	140.6%	S-1014PF3E 250 x 1400 x 730 / 39	U-140PZ3E5 996 x 980 x 370 / 87	4,815
	10.0 kW KIT-100PF3Z8	9.5	10.6/7.3	9.5	12.5	6.5 A++	3.9 A	S-1014PF3E 250 x 1400 x 730 / 39	U-100PZ3E8 996 x 980 x 370 / 83	3,861
	12.5 kW KIT-125PF3Z8	12.1	12.6/8.2	12.1	14.7	256.2%	142.6%	S-1014PF3E 250 x 1400 x 730 / 39	U-125PZ3E8 996 x 980 x 370 / 87	4,186
	14.0 kW KIT-140PF3Z8	13.4	13.9/9.0	13.4	15.4	251.4%	140.6%	S-1014PF3E 250 x 1400 x 730 / 39	U-140PZ3E8 996 x 980 x 370 / 87	4,851

Piping information									
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0	
Piping diameter (liquid - gas)	Inch	1/4-1/2	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	
Pipe length range	m	3~15	3~20	3~40	3~40	5~50	5~50	5~50	
Elevation difference (in / out) ²⁾	m	15/15	15/15	15/30	20/30	15/30	15/30	15/30	
Pre-charged pipe length	m	7,5	7,5	30	30	30	30	30	
Additional gas amount	g/m	10	15	15	17	45	45	45	

Electrical information (power supply to outdoor)													
Kit	kW	Single phase						Three phase					
		3,6	5,0	6,0	7,1	10,0	12,5	14,0	10,0	12,5	14,0		
Recommended fuse	A	16	16	20	20	35	40	40	16	20	20		
Connection in. / out.	mm ²	4x1,5			4x2,5			4x2,5					

1) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the n_{s,c} / n_{s,h} values is calculated based on EN 14825. 2) Outdoor unit located lower / outdoor unit located higher.

PACi NX Series

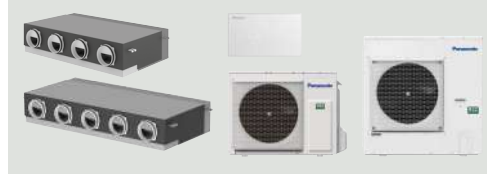
NEW! PACi NX Series Standard multi zone duct unit - R32

Energy efficient ducted unit with individual zone temperature control.

Simple and efficient zone control installation.

Operation range up to 43 °C in cooling and down to -15 °C in heating.

NEW



Kit [PCZ-EEB749 remote controller* 153 £ included]			Nominal capacity		SEER / n _{s,c} ¹⁾	SCOP / n _{s,h} ¹⁾	Indoor unit	Dimension	Weight	Outdoor unit	Dimension	Weight	RRP
			Cooling kW	Heating kW				H x W x D			H x W x D		
								mm			kg		
1ph	7,1 kW	KIT-71PQ41Z5	7,0	7,1	6,56 A++	4,3 A+	S-7110PQ41E	265 x 1244 x 696	52	U-71PZ3E5A	695 x 875 x 320	50	4,425
	10,0 kW	KIT-100PQ41Z5	9,0	9,1	6,17 A++	4,3 A+	S-7110PQ41E	265 x 1244 x 696	52	U-100PZ3E5	996 x 980 x 370	83	4,778
	10,0 kW	KIT-100PQ51Z5	9,8	9,7	6,6 A++	4,4A+	S-1014PQ51E	265 x 1454 x 696	61	U-100PZ3E5	996 x 980 x 370	83	5,604
	12,5 kW	KIT-125PQ51Z5	12,0	12,1	254,5%	143,2%	S-1014PQ51E	265 x 1454 x 696	61	U-125PZ3E5	996 x 980 x 370	87	5,975
	14,0 kW	KIT-140PQ51Z5	13,2	13,3	251,8%	141,4%	S-1014PQ51E	265 x 1454 x 696	61	U-140PZ3E5	996 x 980 x 370	87	6,676
3ph	10,0 kW	KIT-100PQ41Z8	9,0	9,1	6,17 A++	4,3 A+	S-7110PQ41E	265 x 1244 x 696	52	U-100PZ3E8	996 x 980 x 370	83	4,896
	10,0 kW	KIT-100PQ51Z8	9,8	9,7	6,6 A++	4,4+	S-1014PQ51E	265 x 1454 x 696	61	U-100PZ3E8	996 x 980 x 370	83	5,722
	12,5 kW	KIT-125PQ51Z8	12,0	12,1	253,6%	142,3%	S-1014PQ51E	265 x 1454 x 696	61	U-125PZ3E8	996 x 980 x 370	87	6,047
	14,0 kW	KIT-140PQ51Z8	13,2	13,3	250,9%	140,6%	S-1014PQ51E	265 x 1454 x 696	61	U-140PZ3E8	996 x 980 x 370	87	6,712

Piping information

Kit	kW	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	1/4 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Pipe length range	m	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in / out) ²⁾	m	20/30	15/30	15/30	15/30
Pre-charged pipe length	m	30	30	30	30
Additional gas amount	g/m	17	45	45	45

Electrical information (power supply to outdoor)

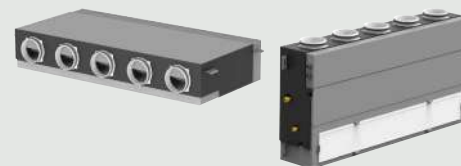
Kit	kW	Single phase				Three phase		
		7,1	10,0	12,5	14,0	10,0	12,5	14,0
Recommended fuse	A	25	35	40	40	16	16	16
Connection in. / out.	mm ²	4x2,5	4x2,5	4x2,5	4x2,5	4x2,5	4x2,5	4x2,5

1) Energy Label Scale from A+++ to D. For models below 12 kW, the SEER and SCOP is calculated based on values of EU/626/2011. For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825.
2) Outdoor unit located lower / outdoor unit located higher.

New PACi NX multi zone duct unit.

Zoned air flow. Maximum comfort. Minimal energy.

The multi zone duct is an energy and cost-saving solution. It enables independent temperature control for up to five zones and reduces both time and cost during zone duct installation.



EVERYDAY SAVINGS.
INDIVIDUAL TEMPERATURE CONTROL*



FLEXIBLE DESIGN.
4, 5 ZONES.
HORIZONTAL / VERTICAL INSTALLATION

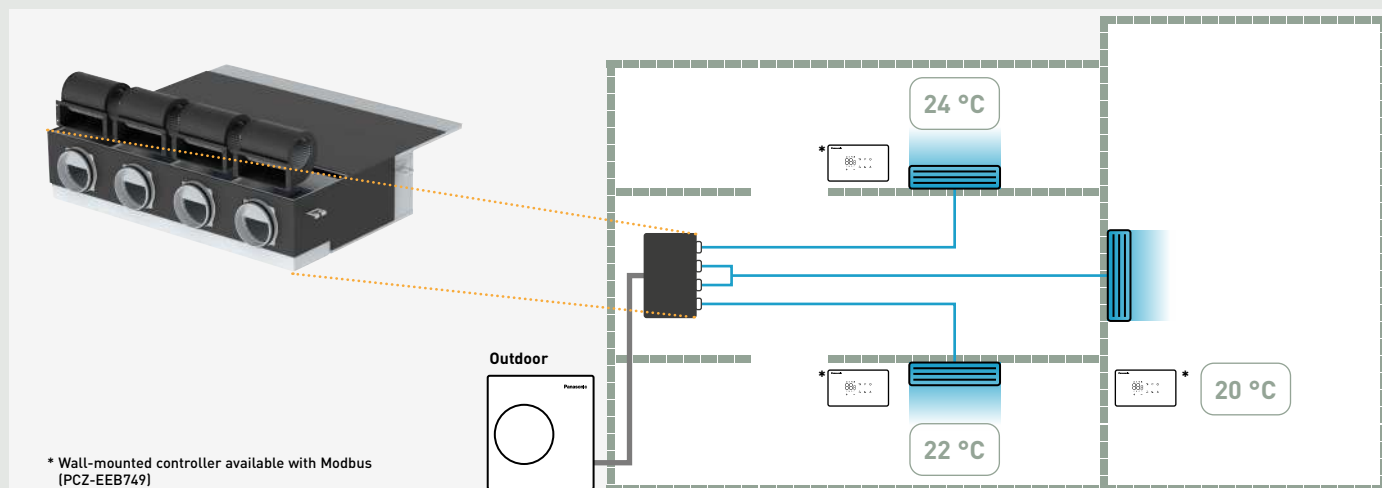


EASY ZONE CONTROL INSTALLATION. NO EXTERNAL CONTROL REQUIRED



BUILT-IN WI-FI CONTROL

* All zones will operate in the same mode only.



PACi NX Series

NEW! PACi NX Jet Air Stream - R32

Energy-saving solution for year-round heating and cooling in large and high spaces.

Air volume up to 5000 m³/h with a 30 m throw distance.

Versatile controller options available including Wi-Fi control



Kit (CZ-RTC5B remote controller 172 £ included)	Nominal capacity		$\eta_{s,c}$ ¹⁾	$\eta_{s,h}$ ¹⁾	Indoor unit: Jet Air Stream Smart	Dimension H x W x D mm	Weight kg	Outdoor unit	Dimension H x W x D mm	Weight kg	RRP £
	Cooling kW	Heating kW									
1ph 14,0 kW KIT-140MC5AZH5	14,0	14,1	227%	155%	P-VTVF140MC5A-PE	802 x 1105 x 893	88	U-140PZH4E5	996 x 980 x 370	86	10,401
14,0 kW KIT-140MC5AZH8	14,0	14,1	227%	155%	P-VTVF140MC5A-PE	802 x 1105 x 893	88	U-140PZH4E8	996 x 980 x 370	84	10,789
3ph 25,0 kW KIT-250MC5AZH8	24,2	26,7	250%	155%	P-VTVF250MC5A-PE	1026 x 1458 x 953	130	U-250PZH4E8	996 x 1140 x 460	109	15,132

Piping information				
Kit	kW	14,0	14,0	25,0
Piping diameter (liquid - gas)	Inch	3/8-5/8	3/8-5/8	1/2 - 7/8
Pipe length range	m	5 ~ 100	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	15/30 ²⁾	15/30 ²⁾	30
Pre-charged pipe length	m	30	30	30
Additional gas amount	g/m	40 ³⁾	40 ³⁾	80

1) For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825. 2) Outdoor unit located lower / outdoor unit located higher. 3) 25g/m over 85m

Electrical information (power supply to outdoor)				
		Single phase	Three phase	
Kit	kW	14,0	14,0	25,0
Recommended fuse	A	40	16	30

Optional configurations*		Front panel type	Air flow (m³/h)
P-VTVF140PC5A-PE	Jet Air Stream Ducted	Ducted connection	2500
P-VTVF250PC5A-PE	Jet Air Stream Ducted	Ducted connection	5000

* The product technical data is the same as Jet Air Stream Smart.

Jet Air Stream.

The Jet Air Stream provides an efficient and sustainable solution for year-round heating and cooling in large spaces such as gymnasiums, production areas, and warehouses.

It ensures optimal user comfort, a quiet environment, and is much easier to install than comparable HVAC systems.



Accessories for remote air intake configurations.

Ducted version.



Two versions available: Smart Jet – self-directing nozzles and ducted connection.

Jet Air Stream Smart	Jet Air Stream Ducted
P-VTVF***MC5A-PE	P-VTVF***PC5A-PE
Smart Jet – self-directing nozzles	Ducted connection

- A** | PCZ-AHRX0051. Ducted air intake plenum (1 x DN 355 mm) for VTVF140N and VTVF140P
A | PCZ-AHRX0052. Ducted air intake plenum (2 x DN 355 mm) for VTVF250N and VTVF250P
B | PCZ-AHRX0061. Ground air intake module (VTVF250 requires two of them)
C | PCZ-AHRX0071. Air supply grille for ducts

PACi NX Series

Big PACi NX Series high static pressure hide-away 20,0-25,0 kW · R32

nanoe™ X (Generator Mark 3).

Maximum piping length 100 m.

High external static pressure, maximum 200 Pa setting.



Kit (CZ-RTC5B remote controller 172 € included)			Nominal capacity				n _{s,c} ¹⁾	n _{s,h} ¹⁾	Indoor unit	Dimension / Weight	Outdoor unit	Dimension / Weight ²⁾	RRP €
			Cool	UK Total / Sensible	Heat	UK Total				H x W x D	H x W x D		
			kW	kW	kW	kW				mm / kg	mm / kg		
3ph	20,0 kW	KIT-200PE4ZH8	19,0	19,8 - 12,6	22,4	22,3	237,8%	146,0%	S-200PE4E	486 x 1456 x 916 / 83	U-200PZH4E8	996 x 1140 x 460 / 109	8,336
	25,0 kW	KIT-250PE4ZH8	22,0	25,3 - 17,0	24,0	25,1	213,0%	145,0%	S-250PE4E	486 x 1456 x 916 / 87	U-250PZH4E8	996 x 1140 x 460 / 109	9,480

Piping information			
Kit	kW	20,0	25,0
Piping diameter (liquid - gas)	Inch	1/2 - 3/8	1/2 - 3/8
Pipe length range	m	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	30	30
Pre-charged pipe length	m	30	30
Additional gas amount	g/m	80	80

Electrical information (power supply to outdoor)			
Three phase			
Kit	kW	20,0	25,0
Recommended fuse	A	20	25
Connection in. / out.	mm ²	Min. 1,5	Min. 1,5

1) Energy Label Scale from A+++ to D. For models above 12 kW, the $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825. 2) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port.

PACi NX with Water Heat Exchanger

The Water Heat Exchanger for chilled and hot water production

Hydronic solution with PACi NX for a quick return on investment.

Constant 55 °C flow available.

A+++ energy efficiency class (scale from A+++ to D).



Water Heat Exchanger		Nominal capacity		Heating energy efficiency class ³⁾		η _{s,h} (LOT1) ⁴⁾	Dimension H x W x D	Weight	Outdoor unit	Dimension H x W x D	Weight	RRP	
		Cooling ¹⁾	Heating ²⁾									Water Heat Exchanger	Outdoor
		kW	kW	35 °C A+++ to D	55 °C A+++ to D							mm	kg
1ph	PAW-200W5APAC-2	17,9	23,1	A+++	A++	179,8%	550 x 455 x 205	27	U-200PZH4E8	996 x 1140 x 460	109	4,629	4,268
	PAW-250W5APAC-2	23,0	26,0	A+++	A+	176,5%	550 x 455 x 205	27	U-250PZH4E8	996 x 1140 x 460	109	5,017	5,027

Piping information			
Kit	kW	20,0	25,0
Piping diameter (liquid - gas)	Inch	1/2 - 3/8	1/2 - 3/8
Pipe length range	m	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	30	30
Pre-charged pipe length	m	30	30
Additional gas amount	g/m	80	80

Electrical information (power supply to outdoor)			
Three phase			
Kit	kW	20,0	25,0
Recommended fuse	A	20	25

1) Data refers to 7 °C leaving chilled water temperature and 35 °C ambient air temperature, according to EN 14511 standard. 2) Data refers to 35 °C leaving warm water temperature and 7 °C ambient air temperature according to EN 14511 standard. 3) Following COMMISSION REGULATION (EU) No 811/2013 for low-temperature heat pumps. Scale from A+++ to D. 4) Following COMMISSION REGULATION (EU) No 813/2013 for low-temperature heat pumps.

Commercial twin, triple and double-twin systems

Outdoor units PACi NX Elite Commercial twin, triple and double-twin systems - R32

Up to 4 indoor units can be connected to the same outdoor unit.



Outdoor unit				Nominal capacity ¹⁾		Dimension	Weight	RRP
Series				Cooling kW	Heating kW	H x W x D mm	kg	£
1ph	5,0 kW	U-50PZH3E5	PACi NX	5,0	5,6	695 x 875 x 320	42	1,575
	7,1 kW	U-71PZH4E5	PACi NX	7,1	8,0	996 x 980 x 370	66	2,290
	10,0 kW	U-100PZH4E5	PACi NX	9,5	11,2	996 x 980 x 370	84	2,888
	12,5 kW	U-125PZH4E5	PACi NX	12,5	14,0	996 x 980 x 370	86	3,227
	14,0 kW	U-140PZH4E5	PACi NX	13,4	16,0	996 x 980 x 370	86	3,701
3ph	7,1 kW	U-71PZH4E8	PACi NX	7,1	8,0	996 x 980 x 370	66	2,355
	10,0 kW	U-100PZH4E8	PACi NX	9,5	11,2	996 x 980 x 370	82	2,933
	12,5 kW	U-125PZH4E8	PACi NX	12,1	14,0	996 x 980 x 370	84	3,372
	14,0 kW	U-140PZH4E8	PACi NX	13,4	16,0	996 x 980 x 370	84	4,089
	20,0 kW	U-200PZH4E8	Big PACi NX	19,0	22,4	996 x 1 140 x 460	109	4,268
	25,0 kW	U-250PZH4E8	Big PACi NX	22,0	24,0	996 x 1 140 x 460	109	4,281

Piping information									
Outdoor unit	kW	5,0	7,1	10,0	12,5	14,0	20,0	25,0	
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	1/2 - 7/8	1/2 - 7/8	
Pipe length range	m	3 ~ 40	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100	
Elevation difference (in / out)	m	15/30	15/30 ²⁾	15/30 ²⁾	15/30 ²⁾	15/30 ²⁾	30	30	
Pre-charged pipe length	m	30	30	30 ⁴⁾	30 ⁴⁾	30 ⁴⁾	30	30	
Additional gas amount	g/m	15	30 ⁵⁾	40 ⁵⁾	40 ⁵⁾	40 ⁵⁾	80	80	

Electrical information (power supply to outdoor)							
Single phase							
Outdoor unit	kW	5,0	7,1	10,0	12,5	14,0	
Recommended fuse	A	20	25	35	40	40	
Connection in. / out.	mm ²	4x1,5	4x2,5				
Three phase							
Outdoor unit	kW	7,1	10,0	12,5	14,0	20,0	25,0
Recommended fuse	A	16	16	16	16	30	30
Connection in. / out.	mm ²	4x2,5				—	—

PACi NX Elite from 5,0 to 25,0 kW simultaneous operation system combinations - R32 ³⁾

Outdoor	5,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
Twin	U-50 (S-2545 + S-2545)	U-71 (S-3650 + S-3650) U-71 (S-2545 + S-2545)	U-100 (S-3650 + S-3650) U-100 (S-5010 + S-5010)	U-125 (S-6071 + S-6071) U-125 (S-5010 + S-5010)	U-140 (S-6071 + S-6071) U-140 (S-5010 + S-5010)	U-200 (S-1014 + S-1014) U-200 (S-5010 + S-5010)	U-250 (S-1014 + S-1014)
		U-71 (S-25 + S-25 + S-25) U-71 (S-2545 + S-2545 + S-2545)	U-100 (S-3650 + S-3650 + S-3650) U-100 (S-2545 + S-2545 + S-2545) U-100 (36 + 36 + 36)	U-125 (S-3650 + S-3650 + S-3650) U-125 (S-2545 + S-2545 + S-2545)	U-140 (S-3650 + S-3650 + S-3650) U-140 (5010 + 5010 + 5010) U-140 (50 + 50 + 50)	U-200 (S-6071 + S-6071 + S-6071) U-200 (S-5010 + S-5010 + S-5010)	—
Double-twin	—	—	U-100 (S-25 + S-25 + S-25 + S-25) U-100 (S-2545 + S-2545 + S-2545 + S-2545)	U-125 (S-3650 + S-3650 + S-3650) U-125 (S-2545 + S-2545 + S-2545 + S-2545) U-125 (S-36 + S-36 + S-36 + S-36)	—	U-200 (S-3650 + S-3650 + S-3650 + S-3650) U-200 (S-5010 + S-5010 + S-5010 + S-5010)	U-250 (S-6071 + S-6071 + S-6071 + S-6071) U-250 (S-5010 + S-5010 + S-5010 + S-5010)

1) 5,0 kW with wall-mounted. 7,1 - 14,0 kW with 4 way 90x90 cassette (PU3). 2) Outdoor unit located lower / outdoor unit located higher. 3) 7,1 to 14,0 kW: Available with indoor unit types PY3, PF3, PK3, PT3, and PU3. 20,0 - 25,0 kW: Available with indoor unit types PF3 and PU3. 4) triple and double twin 20m. 5) 1/4" @ 20g/m

Outdoor units PACi NX Standard Commercial twin system - R32

Up to 2 indoor units can be connected to the same outdoor unit.



Outdoor unit				Nominal capacity ¹⁾		Dimension	Weight	RRP
Series				Cooling kW	Heating kW	H x W x D mm	kg	£
1ph	10,0 kW	U-100PZ3E5		10,0	10,0	996 x 980 x 370	83	1,926
	12,5 kW	U-125PZ3E5		12,5	12,5	996 x 980 x 370	87	2,297
	14,0 kW	U-140PZ3E5		14,0	14,0	996 x 980 x 370	87	2,998
3ph	10,0 kW	U-100PZ3E8		10,0	10,0	996 x 980 x 370	83	2,044
	12,5 kW	U-125PZ3E8		12,5	12,5	996 x 980 x 370	87	2,369
	14,0 kW	U-140PZ3E8		14,0	14,0	996 x 980 x 370	87	3,034

Piping information				
Outdoor unit	kW	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Pipe length range	m	5 ~ 50	5 ~ 50	5 ~ 50
Elevation difference (in / out) ²⁾	m	15/30	15/30	15/30
Pre-charged pipe length	m	30	30	30
Additional gas amount	g/m	45 ⁴⁾	45	45

Electrical information (power supply to outdoor)							
Single phase							
Outdoor unit	kW	10,0	12,5	14,0	10,0	12,5	14,0
Recommended fuse	A	35	40	40	16	20	20
Connection in. / out.	mm ²	4x2,5			4x2,5		

PACi NX Standard from 10,0 to 14,0 kW simultaneous operation system combinations - R32 ³⁾

Outdoor	10,0 kW	12,5 kW	14,0 kW
Twin	U-100 (S-3650 + S-3650)	U-125 (S-6071 + S-6071) - U-125 (S-5010 + S-5010)	U-140 (S-6071 + S-6071) - U-140 (S-5010 + S-5010)
	U-100 (S-5010 + S-5010)	U-100 (S-60 + S-60)	
	U-100 (S-50 + S-50)		

1) With 4 way 90x90 cassette (PU3). 2) Outdoor unit located lower / outdoor unit located higher. 3) Available with indoor unit types PY3, PF3, PK3, PT3, and PU3. 4) 1/4" @ 20g/m

Compatible indoor units for multi combinations

Indoor units Commercial twin, triple and double-twin systems



Power supply to outdoor.
nanoe™ X as a standard.



Wall-mounted - PK4			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	H x W x D mm	kg	
1ph	2,5 - 4,5 kW	S-2545PK4E	2,5 - 4,5	2,8 - 4,4	290 x 765 x 214	9	894
	5,0 - 7,1 kW	S-5010PK4E	5,0 - 7,1	5,6 - 7,8	295 x 1060 x 249	14	1,197
	10,0 kW	S-5010PK4E	9,5	9,5	295 x 1060 x 249	14	1,197

Panels (sold separately):

Panel, white
(RAL9003).
CZ-KPY4W



Panel, graphite
black (RAL9011).
CZ-KPY4B



4 way 60x60 cassette - PY3 (panels CZ-KPY4W / CZ-KPY4B)			Nominal capacity		Dimension (indoor)	Weight (indoor)	Dimension (panel)	Weight (panel)	RRP		
			Cooling kW	Heating kW	H x W x D mm	kg	H x W x D mm	kg	Indoor €	Panel 4W €	Panel 4B €
1ph	2,5 kW	S-25PY3E	2,5	3,2	243 x 575 x 575	15	30 x 625 x 625	2,8	761	266	266
	3,6 kW	S-36PY3E	3,6	4,0	243 x 575 x 575	15	30 x 625 x 625	2,8	806	266	266
	5,0 kW	S-50PY3E	5,0	5,6	243 x 575 x 575	15	30 x 625 x 625	2,8	914	266	266
	6,0 kW	S-60PY3E	6,0	7,0	243 x 575 x 575	15	30 x 625 x 625	2,8	1,116	266	266

Panels (sold separately):

Standard, white
(RAL9003).
CZ-KPU3W



Econavi, white
(RAL9003).
CZ-KPU3AW



Standard, graphite
black (RAL9011).
CZ-KPU3B



4 way 90x90 cassette - PU3 (panels CZ-KPU3W / CZ-KPU3B / CZ-KPU3AW)			Nominal capacity		Dimension (indoor)	Weight (indoor)	Dimension (panel)	Weight (panel)	RRP		
			Cooling kW	Heating kW	H x W x D mm	kg	H x W x D mm	kg	Indoor €	Panel 3/3B €	Panel 3A €
1ph	3,6 - 5,0 kW	S-3650PU3E	3,6 - 5,0	4,0 - 5,6	256 x 840 x 840	19	33,5 x 950 x 950	5	689	242	328
	6,0 - 7,1 kW	S-6071PU3E	6,0 - 7,1	7,0 - 8,0	256 x 840 x 840	20	33,5 x 950 x 950	5	1,042	242	328
	10,0 - 12,5 kW	S-1014PU3E	10,0 - 12,5	11,2 - 14,0	319 x 840 x 840	25	33,5 x 950 x 950	5	1,151	242	328
	14,0 kW	S-1014PU3E	14,0	16,0	319 x 840 x 840	25	33,5 x 950 x 950	5	1,151	242	329



Ceiling - PT3			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	H x W x D mm	kg	
1ph	3,6 - 5,0 kW	S-3650PT3E	3,5 - 5,0	4,0 - 5,6	235 x 960 x 690	26	1,032
	6,0 - 7,1 kW	S-6071PT3E	6,0 - 6,8	7,0 - 8,0	235 x 1275 x 690	34	1,315
	10,0 - 12,5 kW	S-1014PT3E	9,5 - 12,1	11,2 - 14,0	235 x 1590 x 690	40	1,655
	14,0 kW	S-1014PT3E	13,4	16,0	235 x 1590 x 690	40	1,655



Adaptive ducted unit - PF3			Nominal capacity		Dimension	Weight	External static pressure	RRP
			Cooling kW	Heating kW	H x W x D mm	kg	Nominal (Min - Max) Pa	
1ph	3,6 - 5,0 kW	S-3650PF3E	3,6 - 5,0	4,0 - 5,6	250 x 800 x 730	25	30 (10 - 150) - 30 (10 - 150)	1,033
	6,0 - 7,1 kW	S-6071PF3E	5,7 - 6,8	7,0 - 7,5	250 x 1000 x 730	30	30 (10 - 150) - 30 (10 - 150)	1,283
	10,0 - 12,5 kW	S-1014PF3E	9,5 - 12,1	10,8 - 13,5	250 x 1400 x 730	39	40 (10 - 150) - 50 (10 - 150)	1,645
	14,0 kW	S-1014PF3E	13,4	15,5	250 x 1400 x 730	39	50 (10 - 150)	1,645

* The data shown in these tables are based on PACi NX Elite combinations. The 2,5 kW capacity is based on PACi NX Standard combinations.

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

Low temperature compatible unit configurations

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

Flexibility with different types of indoor units.

nanoe™ X technology for better indoor air quality.

Redundancy support for up to 2 systems using the CONEX controller and up to 4 systems with the optional controller (PAW-PACR4).

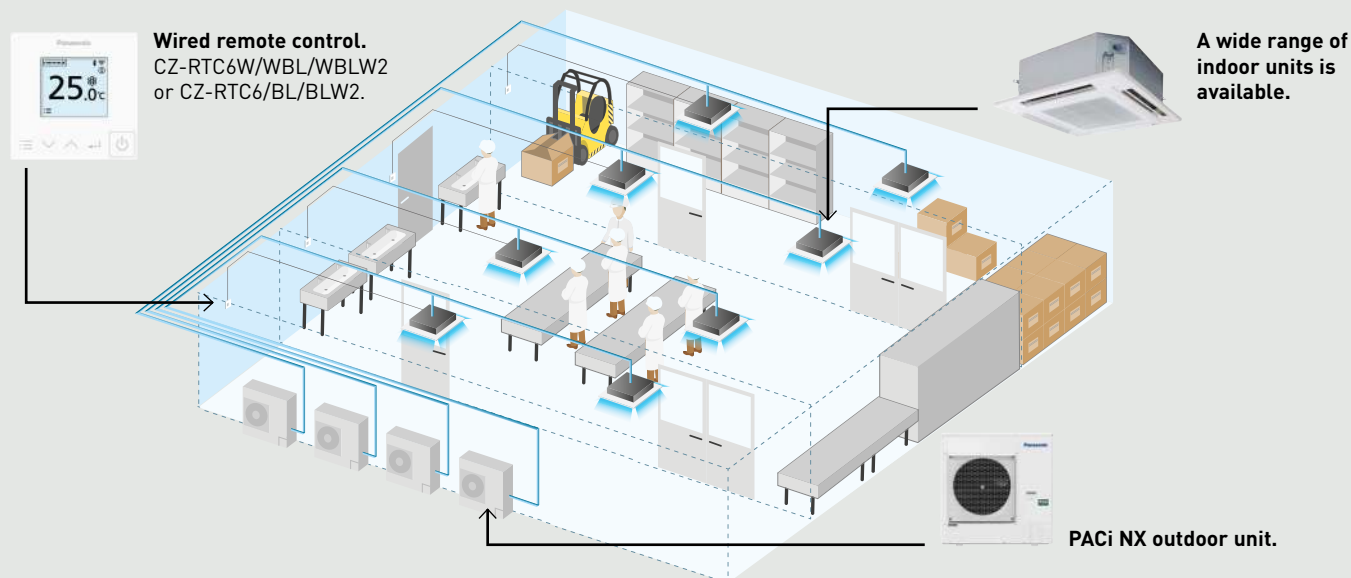
Possible outdoor / indoor units combinations

	Single						Twin		
Cooling capacity ¹⁾	3,5 kW	4,9 kW	5,8 kW	6,9 kW	9,3 kW	11,6 kW	13,6 kW	18,5 kW	23,2 kW
Outdoor unit single phase	U-36PZH3E5	U-50PZH3E5	U-60PZH3E5	U-71PZH4E5	U-100PZH4E5	U-125PZH4E5	U-140PZH4E5	—	—
RRP £	1,345	1,575	1,747	2,290	2,888	3,227	3,701	—	—
Outdoor unit three phase	—	—	—	U-71PZH4E8	U-100PZH4E8	U-125PZH4E8	U-140PZH4E8	U-200PZH4E8	U-250PZH4E8
RRP £	—	—	—	2,355	2,933	3,372	4,089	4,268	5,027
Wall-mounted	S-5010PK4E	S-5010PK4E	S-5010PK4E	2xS-5010PK4E	2xS-5010PK4E	2xS-5010PK4E	2xS-5010PK4E	—	—
RRP £	1,197	1,197	1,197	2,394	2,394	2,394	2,394	—	—
4 way 90x90 cassette	S-6071PU3E	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	2xS-1014PU3E	2xS-1014PU3E	2xS-1014PU3E
RRP £	1,042	1,042	1,151	1,151	1,151	1,151	2,302	2,302	2,302
Ceiling	S-6071PT3E	S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	2xS-1014PT3E	2xS-1014PT3E	2xS-1014PT3E
RRP £	1,315	1,315	1,655	1,655	1,655	1,655	3,310	3,310	3,310
Adaptive ducted unit	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	2xS-1014PF3E	2xS-1014PF3E	2xS-1014PF3E
RRP £	1,283	1,283	1,645	1,645	1,645	1,645	3,290	3,290	3,290
Jet Air Stream	—	—	—	—	—	—	P-VTVF140 ²⁾	—	P-VTVF250 ²⁾
Smart RRP £	—	—	—	—	—	—	6,528	—	9,933
Ducted RRP £	—	—	—	—	—	—	4,733	—	6,342

1) Under the condition with outdoor 35 °C (DB) and indoor 15 °C (WB). The CONEX controller CZ-RTC6(-BL/-BLW2) is required. 2) The CONEX controller CZ-RTC6 (-BL/-BLW2) is not required.

Low temperature solutions with PACi NX Series. Temperature control at 8 °C.

The PACi NX series offers flexibility for specialised applications, beyond standard cooling. This product can maintain room temperatures between +8 °C and +24 °C WB (or +10 °C and +30 °C DB). To achieve this, the indoor unit must be sized for adequate coil and airflow requirements, and key parameters adjusted accordingly.



Temperature range	Indoor	Outdoor
	+8 ~ +24 °C WB	-5 [-15] ~ 43 °C DB

Server room solutions

Wall-mounted Professional YKEA -25 °C · R32

Designed for 24h/7d a week operation for server rooms.
High seasonal performance, reaching SEER value of 9,6 (A+++)¹⁾.
Cooling operation down to -25 °C ambient.

1) For 3,5 kW model.



Kit (hard wired remote controller included)			Nominal capacity		SEER ¹⁾	SCOP ¹⁾	Indoor unit	Dimension	Weight	Outdoor unit	Dimension ²⁾	Weight	RRP
			Cooling	Heating				H x W x D			H x W x D		
			kW	kW				mm	kg		mm	kg	
1ph	2,5 kW	KIT-Z25-YKEA-1	2,50	3,40	9,5 A+++	4,6 A++	CS-Z25YKEA-1	295 x 870 x 229	11	CU-Z25YKEA-1	542 x 780 x 289	30	1,330
	3,5 kW	KIT-Z35-YKEA-1	3,50	4,00	9,6 A+++	4,6 A++	CS-Z35YKEA-1	295 x 870 x 229	11	CU-Z35YKEA-1	542 x 780 x 289	30	1,524
	4,2 kW	KIT-Z42-YKEA-1	4,20	5,30	8,6 A+++	4,5 A+	CS-Z42YKEA-1	295 x 870 x 229	11	CU-Z42YKEA-1	542 x 780 x 289	30	1,824
	5,0 kW	KIT-Z50-YKEA-1	5,00	5,80	8,6 A+++	4,6 A++	CS-Z50YKEA-1	295 x 1040 x 244	12	CU-Z50YKEA-1	695 x 875 x 320	40	1,924
	7,1 kW	KIT-Z71-YKEA-1	7,10	8,20	6,5 A++	4,1 A+	CS-Z71YKEA-1	295 x 1040 x 244	13	CU-Z71YKEA-1	695 x 875 x 320	45	2,604

Piping information						
Kit	kW	2,5	3,5	4,2	5,0	7,1
Piping diameter (liquid - gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 1/2	1/4 - 1/2	1/4 - 5/8
Pipe length range	m	3 - 20	3 - 20	3 - 20	3 - 30	3 - 30
Elevation difference (in / out)	m	15	15	15	15	20
Pre-charged pipe length	m	7,5	7,5	7,5	7,5	10
Additional gas amount	g/m	10	10	10	15	25

Electrical information (power supply to indoor)						
Single phase						
Kit	kW	2,5	3,5	4,2	5,0	7,1
Recommended fuse	A	16	16	16	16	20
Connection in. / out.	mm ²	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5

1) Energy Label Scale from A+++ to D. 2) Add 70 mm for piping port. * Not compatible with PACi NX outdoors and accessories. Domestic range sales conditions may apply. Check with your sales representative.

Accessories	RRP €
CN-CNT cables x2 for server room application, control of 2 units, rotation, backup	CZ-RCC5 + CN-CNT 119
Redundancy of 2 units YKEA-1. SG Ready..	PAW-SERVER-PKEA-1 282

PACi NX – A versatile solution for comfort and specialised cooling applications.

Not only delivering efficient heating and cooling for everyday comfort, the PACi NX range is also engineered for critical environments such as wine cellars, server rooms, and museums where performance beyond standard comfort operation is essential.

Specialised cooling application



PACi NX solution

Capacity range

Cold rooms

Examples: Wine cellars

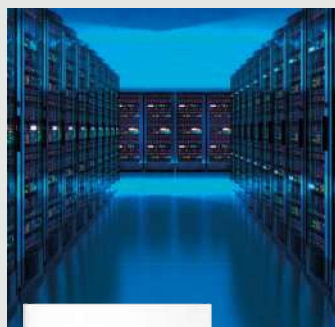


Low temperature unit configuration

Down to 8 °C

3,5 kW – 23,2 kW

Small server room – 24/7/365 operation



YKEA Series

Cooling down to -25 °C ambient.
Redundancy control options

2,5 kW – 7,1 kW

Small critical environment

Examples: Museum, laboratory



P Series

Precision cooling and humidity control

7,5 kW – 20,5 kW

Precise cooling solutions

NEW! P Series – Perimetral · R32

High efficiency.

Strict control of room temperature and humidity.

Low GWP refrigerant R32.



Indoor unit		Cooling capacity ¹⁾	Sensible cooling capacity ¹⁾	EER ²⁾	Air flow	Sound pressure ³⁾	Dimension HxWxD	Weight	Up flow	RRP
Up flow	Down flow	kW	kW		m³/h	dB(A)	mm	kg	£	Down flow £
UPZ/OPZ – direct expansion air conditioners with air cooled or water cooled condensers · R32										
71	0071AA-E004	0071AA-E004	7,44	6,89	3,52	2.200	51	1990 x 750 x 600	150	POA
111	0111AA-E004	0111AA-E004	9,92	8,41	3,13	3.500	59	1990 x 750 x 600	200	POA
121	0121AA-E004	0121AA-E004	12,50	10,67	2,79	3.500	59	1990 x 750 x 600	205	POA
141	0141AA-E004	0141AA-E004	14,71	12,60	2,61	3.500	59	1990 x 750 x 600	205	POA
211	0211AA-E004	0211AA-E004	20,47	20,47	2,38	7.000	56	1990 x 860 x 880	225	POA
211	0211AA-E005	0211AA-E005	20,47	20,47	2,38	7.000	56	1990 x 860 x 880	225	POA

P Series and PACi NX combination				Sound pressure	Sound power	Dimension	Weight	Refrigerant (R32) / CO ₂ Eq.	Operating range		RRP Outdoor Unit £
	PACi NX outdoor units	P Series units	Cool / Heat (Hi)	Cool / Heat (Hi)	HxWxD			Cool Min ~ Max	Heat Min ~ Max		
			dB(A)	dB(A)	mm	kg	kg / T	°C	°C		
1ph	7,1 kW	U-71PZH4E5	T-UPZ/OPZ 0071	48/50	65/67	996 x 980 x 370	66	1,95/1,32	-15 ~ +52	-20 ~ +24	POA
	10,0 kW	U-100PZH4E5	T-UPZ/OPZ 0111	52/52	69/69	996 x 980 x 370	84	2,70/1,82	-20 ⁴⁾ ~ +52	-20 ~ +24	
	12,5 kW	U-125PZH4E5	T-UPZ/OPZ 0121	55/55	73/73	996 x 980 x 370	86	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
	14,0 kW	U-140PZH4E5	T-UPZ/OPZ 0141	56/56	74/74	996 x 980 x 370	86	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
3ph	7,1 kW	U-71PZH4E8	T-UPZ/OPZ 0071	48/50	65/67	996 x 980 x 370	66	1,95/1,32	-15 ~ +52	-20 ~ +24	
	10,0 kW	U-100PZH4E8	T-UPZ/OPZ 0111	52/52	70/70	996 x 980 x 370	82	2,70/1,82	-20 ⁴⁾ ~ +52	-20 ~ +24	
	12,5 kW	U-125PZH4E8	T-UPZ/OPZ 0121	55/55	73/73	996 x 980 x 370	84	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
	14,0 kW	U-140PZH4E8	T-UPZ/OPZ 0141	56/56	74/74	996 x 980 x 370	84	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
	25,0 kW	U-250PZH4E8	T-UPZ/OPZ 0211	57/63	78//82	996 x 1140 x 460	109	4,80/3,24	-15 ~ +52	-20 ~ +35	

Model	Humidifier		Modulating heater		
Up flow	Down flow	3 kg/h	8 kg/h	6 kW	9 kW
T-OPZ0071AA-E001	T-UPZ0071AA-E001	—	—	—	—
T-OPZ0111AA-E001	T-UPZ0111AA-E001	—	—	—	—
T-OPZ0121AA-E001	T-UPZ0121AA-E001	—	—	—	—
T-OPZ0141AA-E001	T-UPZ0141AA-E001	—	—	—	—
T-OPZ0211AA-E001	T-UPZ0211AA-E001	—	—	—	—
T-OPZ0071AA-E002	T-UPZ0071AA-E002	✓	—	—	—
T-OPZ0111AA-E002	T-UPZ0111AA-E002	✓	—	—	—
T-OPZ0121AA-E002	T-UPZ0121AA-E002	✓	—	—	—
T-OPZ0141AA-E002	T-UPZ0141AA-E002	✓	—	—	—
T-OPZ0211AA-E002	T-UPZ0211AA-E002	✓	—	—	—
T-OPZ0211AA-E003	T-UPZ0211AA-E003	—	✓	—	—
T-OPZ0071AA-E004	T-UPZ0071AA-E004	✓	—	✓	—
T-OPZ0111AA-E004	T-UPZ0111AA-E004	✓	—	✓	—
T-OPZ0121AA-E004	T-UPZ0121AA-E004	✓	—	✓	—
T-OPZ0141AA-E004	T-UPZ0141AA-E004	✓	—	✓	—
T-OPZ0211AA-E004	T-UPZ0211AA-E004	✓	—	—	✓
T-OPZ0211AA-E005	T-UPZ0211AA-E005	—	✓	—	✓

Piping information						
Outdoor unit	kW	7,1	10,0	12,5	14,0	25,0
Piping diameter (liquid - gas)	Inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	1/2 - 7/8
Pipe length range	m	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	15/30 ⁵⁾	15/30 ⁵⁾	15/30 ⁵⁾	15/30 ⁵⁾	30
Pre-charged pipe length	m	30	30	30	30	30
Additional gas amount	g/m	30	40 ⁶⁾	40 ⁶⁾	40 ⁶⁾	80

Electrical information (power supply to outdoor)						
Single phase						
Outdoor unit	kW	7,1	10,0	12,5	14,0	
Recommended fuse	A	25	35	40	40	
Connection in. / out.	mm²	4x2,5				
Three phase						
Outdoor unit	kW	7,1	10,0	12,5	14,0	25,0
Recommended fuse	A	16	16	16	16	30
Connection in. / out.	mm²	4x2,5				—

1) Performance refers to: intake air 24 °C-45%Rh; R410A refrigerant; condensing temperature 45 °C; water temperature 7/12 °C; external static pressure 30 Pa. The declared performance does not consider the heat generated by the fans, which must be added to the thermal load of the system. 2) EER (energy efficiency ratio)= total cooling capacity / input power of compressors + input power of fans (excluding air cooled condensers). 3) Sound pressures at a distance of 2 m; in a free field; pursuant to UNI EN ISO 3744:2010. 4) Pipe length up to 30 m. 5) Outdoor unit located lower / outdoor unit located higher. 6) 1/4" Ø 20g/m

Commercial ventilation solutions

AHU connection kit PAH3M-1 for PACi NX

CONEX Bluetooth® version [CZ-RTC6BL] is built-in.
Easy connection and set-up is possible via Bluetooth®.
0-10 V demand control.



Reference		With PACi NX Elite		With PACi NX Standard				RRP £
		Nominal capacity		Nominal capacity		Dimension	Weight	
		Cooling kW	Heating kW	Cooling kW	Heating kW	H x W x D mm	kg	
2,5 kW	PAW-280PAH3M-1	—	—	2,5	3,2	500 x 400 x 150	11,5	1,900
3,6 kW	PAW-280PAH3M-1	3,6	3,6	3,6	3,6	500 x 400 x 150	11,5	
5,0 kW	PAW-280PAH3M-1	5,0	5,0	5,0	5,0	500 x 400 x 150	11,5	
6,0 kW	PAW-280PAH3M-1	6,0	6,0	6,0	6,0	500 x 400 x 150	11,5	
7,5 kW	PAW-280PAH3M-1	7,1	7,5	7,1	7,1	500 x 400 x 150	11,5	
10,0 kW	PAW-280PAH3M-1	10,0	10,8	10,0	10,0	500 x 400 x 150	11,5	
12,5 kW	PAW-280PAH3M-1	12,5	13,5	12,5	12,5	500 x 400 x 150	11,5	
14,0 kW	PAW-280PAH3M-1	14,0	15,5	14,0	14,0	500 x 400 x 150	11,5	
20,0 kW	PAW-280PAH3M-1	19,0	22,4	—	—	500 x 400 x 150	11,5	
25,0 kW	PAW-280PAH3M-1	22,0	24,0	—	—	500 x 400 x 150	11,5	

Piping information											
Model	kW	2,5	3,6	5,0	6,0	7,5	10,0	12,5	14,0	20,0	25,0
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¾ - 5/8 ¹⁾	¾ - 5/8	¾ - 5/8	¾ - 5/8	1½ - 7/8	1½ - 7/8
Pipe length range (Standard)	m	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50	—	—
Pipe length range (Elite)	m	—	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	15	30	30	30	30	30	30	30	30	30

1) standard 1/4 - 5/8

NEW! Air curtain with DX coil, connected to PACi NX systems - R32

Advanced defrost control without disrupting the air curtain effect or causing cold drafts.
Three installation options: suspended, cassette, or built-in.
Quiet operation.

* Includes two remote controllers: a wall-mounted controller and CZ-RTC6 for setup.



Reference		Maximum capacity		Air flow Hi m³/h	Dimension ³⁾ H x W x D (x D) mm	Weight kg	RRP £	Outdoor unit combination
		Cooling ¹⁾	Heating ²⁾					
		kW	kW					
1ph	Air outlet height 2,8 m	PAW-P2-100R	5,6	6,5	1800	300 x 1000 x 750 (x 890)	61	U-50PZH3E5
			6,3	7,0				U-60PZH3E5
			7,8	8,0				U-71PZH4E5/8
		PAW-P2-150R	11,4	12,0	2700	300 x 1500 x 750 (x 890)	74	U-100PZH4E5/8 U-100PZ3E5/8
			12,0	13,0				U-125PZH4E5/8 U-125PZ3E5/8
			12,0	15,0				U-140PZH4E5/8
		PAW-P2-200R	11,4	12,1	3600	300 x 2000 x 750 (x 890)	96	U-100PZH4E5/8 U-100PZ3E5/8
			13,6	15,0				U-125PZH4E5/8 U-125PZ3E5/8
			15,3	17,4				U-140PZH4E5/8
			16,3	20,9				U-200PZH4E8
	Air outlet height 3,2 m	PAW-P2-250R	16,3	20,9	4500	300 x 2500 x 750 (x 890)	138	U-250PZH4E8
			20,0	22,0				U-200PZH4E8
			20,5	25,0				U-250PZH4E8
		PAW-P3-100R	10,0	12,0	2400	300 x 1000 x 750 (x 890)	65	U-100PZH4E5/8 U-100PZ3E5/8
			10,0	12,0				U-125PZH4E5/8 U-125PZ3E5/8
			10,0	12,0				U-140PZH4E5/8
		PAW-P3-150R	11,4	12,0	3200	300 x 1500 x 750 (x 890)	78	U-100PZH4E5/8 U-100PZ3E5/8
			13,6	13,0				U-125PZH4E5/8 U-125PZ3E5/8
			13,8	15,0				U-140PZH4E5/8
		PAW-P3-200R	20,0	22,0	4900	300 x 2000 x 750 (x 890)	104	U-200PZH4E8
			21,7	25,0				U-250PZH4E8
			20,0	22,0	5700	300 x 2500 x 750 (x 890)	145	U-200PZH4E8
		PAW-P3-250R	25,2	25,0				U-250PZH4E8

1) Minimum discharge temperature of 17 °C, with an air intake temperature of 27 °C, evaporation temperature of 6 °C, condensation temperature of 48 °C, SH 5K, SC 15K. 2) Air intake temperature of 20 °C, refrigerant R32, outside temperature ~ 0 °C, compressed gas temperature 70 °C, condensation temperature 49 °C (for U50/U60/U71 55 °C, for U200/U250 48 °C). 3) Depth (including brackets) for cassette mounting model.

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

Commercial ventilation solutions

Electric air curtain

Comprehensive product line up (width: 0,9 m 1,2 m and 1,5 m).
Simple structure for easy installation and maintenance.



Reference	Width	Air flow	Consumption	Dimension	Weight	RRP
	mm	Hi / Lo m³/h	Hi / Lo W	HxWxD mm	kg	£
1ph FY-3009U1P	900	1100/920	76/70	231,5 x 900 x 212	12,0	809
FY-3012U1P	1200	1400/1270	94/85	231,5 x 1200 x 212	14,5	906
FY-3015U1P	1500	2000/1800	131/110	231,5 x 1500 x 212	18,0	1,061

Panasonic Comfort Cloud App

Download free app.

Other hardware requirements: Wi-Fi internet connection (not included) and Smartphone or tablet with internet access. The Panasonic Cloud Server is fully managed and operated by Panasonic.
Optional Wi-Fi adapter (CZ-CAPWFC2) or wired remote controller (CZ-RTC6BLW, CZ-RTC6WBLW, CZ-RTC6BLW2, CZ-RTC6WBLW2) required for smart control via Panasonic Comfort Cloud App.



Comfort Cloud



Download on the
App Store



GET IT ON
Google Play

Drain kits		RRP €
	Drain kit to suit outdoor units from 3,6 to 7,1 kW. CZ-50DRS1	23
	Drain kit to suit outdoor units from 10,0 to 14,0 kW. CZ-140DRS1	30
Branch Pipes, Header		RRP €
	Branch pipe. CZ-P224BK2BM	109
	Branch pipe (from 22,4 kW to 68,0 kW). CZ-P680BK2BM	179
	Header. CZ-P3HPC2BM	153
Outdoor accessories		RRP €
	Tray for condenser water compatible with outdoor elevation platform. PAW-WTRAY	158
	Outdoor elevation platform. Dimension (H x W x D): 400 x 900 x 400 mm. PAW-GRDSTD40	158
	Outdoor base ground support for noise and vibration absorption. Dimension (H x W x D): 600 x 95 x 130 mm. Safe working load: 500 kg. PAW-GRDBSE20	145
Panels		RRP €
	Panel for 4 way 60x60 cassette, white (RAL9003). CZ-KPY4W	266
	Panel for 4 way 60x60 cassette, graphite black (RAL9011). CZ-KPY4B	255
	Standard panel for 4 way 90x90 cassette, white (RAL9003). CZ-KPU3	242
	Econavi panel for 4 way 90x90 cassette, white (RAL9003). CZ-KPU3A	328
	Standard panel for 4 way 90x90 cassette, graphite black (RAL9011). CZ-KPU3B	242
Sensors		RRP €
	Econavi energy saving sensor. CZ-CENSC1	179
	Remote temperature sensor. CZ-CSRC3	129
	Cassette fresh air-intake kit. CZ-FDU3+CZ-ATU2	924

Plenums		RRP €
	Air outlet plenum for S-3650PF3E. CZ-56DAF2	203
	Air outlet plenum for S-6071PF3E. CZ-90DAF2	249
	Air outlet plenum for S-1014PF3E. CZ-160DAF2	286
Controller and touch controllers for hotels with dry contacts		RRP €
	Modbus RS-485 touch room controller with I/O, white. PAW-RE2C4-MOD-WH	523
	Touch display control with 2 digital inputs, white. PAW-RE2D4-WH	319
	Modbus RS-485 touch room controller with I/O, black. PAW-RE2C4-MOD-BK	523
	Touch display control with 2 digital inputs, black. PAW-RE2D4-BK	319
Sensors for hotel controllers		RRP €
	Wall motion sensor 24 V. PAW-WMS-DC	220
	Wall motion sensor 240 V AC. PAW-WMS-AC	220
	Ceiling motion sensor 24 V. PAW-CMS-DC	220
	Ceiling motion sensor 240 V AC. PAW-CMS-AC	220
	Power supply 24 V. PAW-24DC	71
	Door or window contact. PAW-DWC	24
Centralised controls		RRP €
	System controller for 64 indoor units with weekly timer. CZ-64ESMC3	897
	Central ON / OFF controller, up to 16 groups, 64 indoor units. CZ-ANC3	608
	Intelligent controller (touch screen/web server) to control up to 256 indoors with included load distribution ratio (LDR). CZ-256ESMC3	3,359
Commercial Smart Edge		RRP €
	Gateway for Commercial Smart Edge – supports up to 4 indoor unit connections. PAW-CSE-1B	TBC
	Gateway for Commercial Smart Edge – supports up to 10 indoor unit connections. PAW-CSE-2B	TBC
	Gateway for Commercial Smart Edge – supports up to 25 indoor unit connections. PAW-CSE-5B	TBC
	Gateway for Commercial Smart Edge – supports up to 50 indoor unit connections. PAW-CSE-10	TBC
	Gateway for Commercial Smart Edge – supports up to 100 indoor unit connections. PAW-CSE-2B0	TBC

BMS interface with S-Link			RRP £
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 16 indoor units.	PAW-AC2-BMS-16	2,620
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 64 indoor units.	PAW-AC2-BMS-64	3,760
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 128 indoor units.	PAW-AC2-BMS-128	5,034
Accessories interfaces			RRP £
	Commercial Wi-Fi Adaptor.	CZ-CAPWFC2	229
	DIN rail-mounted KNX interface.	PAW-RC2-KNX-1i	408
	DIN rail-mounted Modbus RTU interface.	PAW-RC2-MBS-1	408
	Modbus RTU interface to control 4 indoor/groups.	PAW-RC2-MBS-4	944
	BACnet IP and MSTP interface.	PAW-RC2-BAC-1	674
	KNX interface.	PAW-AZRC-KNX-1	348
	Modbus RTU interface with 12 V DC power supply.	PAW-AZRC-MBS-1	348
	BACnet IP and MSTP interface.	PAW-AZRC-BAC-1	634
	RAC interface adapter for integration into S-Link, plus external input and alarm/status output (for YKEA-1 units).	CZ-CAPRA1	194
Centralised controls. Connection with general equipment			RRP £
	Adaptor for ON / OFF control of external devices.	CZ-CAPC4	387
	Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.	CZ-CAPBC2	324
	Communication Adaptor. Up to 128 groups. Controls 128 units.	CZ-CFUNC2	1,413

Individual controls			RRP £
	CONEX wired remote controller (non-wireless), white.	CZ-RTC6W	172
	CONEX wired remote controller with Bluetooth®, white.	CZ-RTC6WBL	286
	CONEX wired remote controller with Wi-Fi and Bluetooth®, white.	CZ-RTC6WBLW2	286
	CONEX wired remote controller (non-wireless), black.	CZ-RTC6	172
	CONEX wired remote controller with Bluetooth®, black.	CZ-RTC6BL	286
	CONEX wired remote controller with Wi-Fi and Bluetooth®, black.	CZ-RTC6BLW2	286
	Design wired remote controller with Econavi function.	CZ-RTC5B	172
	Infrared remote controller for wall-mounted.	CZ-RWS3	129
	Infrared remote controller and receiver for 4 way 60x60 cassette with white panel (RAL9003).	CZ-RWS3 + CZ-RWRY3W	256
	Infrared remote controller and receiver for 4 way 90x90 cassette.	CZ-RWS3 + CZ-RWRU3	328
	Infrared remote controller and receiver for ceiling.	CZ-RWS3 + CZ-RWRT3W	328
	Infrared remote controller and receiver for all indoor units.	CZ-RWS3 + CZ-RWRC3	328
Accessories PCB			RRP £
	T10 interface PCB with digital and relay connections.	PAW-T10	120
	PCB for server room application, control up to 4 indoor unit groups, redundancy, backup, etc.	PAW-PACR4	2,044
	Redundancy of 2 units YKEA-1. SG Ready.	PAW-SERVER-PKEA-1	282
Accessories cables			RRP £
	Cable for all the T10 functions.	CZ-T10	59
	Cable to operate external EC fan and EC fan and EXCT. Available with S-****PK4E and S-***PE4E.	PAW-FDC	59
	Cable for all option monitoring signals.	PAW-OCT	59
	Cable with force thermo OFF/leakage detection.	PAW-EXCT	59
	Connector to PACi NX indoor unit's PCB to provide OPT functions.	PAW-OPT-NX	32

Multi zone duct unit accessories			RRP €
	Wall-mounted control with Modbus.	PCZ-EEB749	126
	Return plenum with 4 circular inlets DN 160 mm.	PCZ-AHRD0468	172
	Return plenum with 5 circular inlets DN 160 mm. For S-1014PQ51E.	PCZ-AHRD0469	199
	Non-return damper.	PCZ-AHRD0519	104
Accessories for Jet Air Stream			RRP €
	Ducted air intake plenum (1 x DN 355 mm) for VTVF140N and VTVF140P.	PCZ-AHRX0056	318
	Ducted air intake plenum (2 x DN 355 mm) for VTVF250N and VTVF250P.	PCZ-AHRX0057	522
	Ground air intake module (VTVF250 requires two of them).	PCZ-AHRX0061	979
	Air supply grille for ducts.	PCZ-AHRX0071	178

Commercial VRF – ECOi

Panasonic VRF Systems are specifically designed for energy saving, easy installation and high efficiency performance. A wide range of outdoor and indoor unit models offer unique features which are designed for the most demanding offices and large buildings.

ECO*i* EX

ECO*i*





NEW

ECOi EX R32 Range
2-Pipe MZ1 Series
NEW! 3 Pipe MF4 Series.
Extreme efficiency, quality, compact.

With advanced R32 refrigerant technology and optimised system design, this series offers a more sustainable solution compared to R410A

- Compact outdoor unit with a significant 43% ¹⁾ footprint reduction, delivering high seasonal efficiency, reliable quality, and R32 standard compliance
- The series uses 57% ²⁾ less R32 refrigerant than R410A, minimising the need for extra safety measures
- Extensive R32 Range with all air to air indoor units equipped with nanoe™ X, along with Energy Recovery Ventilation (ERV), and Air Handling Unit (AHU) connection kit
- A wide range of connectivity options, including stand-alone, central, and remote monitoring, with BMS integration for seamless operation

1) 12 HP model compared to the equivalent conventional R410A ECOi EX ME2.

2) Panasonic's internal research. 12 HP model with 30 m piping installation.

Mini ECOi LZ2 Series R32.

Outstanding efficiency in a compact body and continuous operation even at extreme ambient temperature.

- Low GWP and less refrigerant
- SEER up to 8,50 and SCOP levels up to 5,05 ¹⁾
- Operation range down to -20 °C in heating and up to 52 °C in cooling
- Optional R32 safety measures and Pump Down System available

1) 4 HP model.

Air to air indoor units with nanoe™ X.

- For better indoor air quality
- Quick and effective even in large spaces
- Bacteriophage inhibition 99% in 4 hours at the room size 139 m² ¹⁾
- nanoe™ X is a filter free solution that does not require maintenance

1) [Test organisation] SGS Inc. [Test subject] Adhesive virus (bacteriophage) [Test volume] 139 m³
 [Test result] Inhibited 99% in 4 hours [Device type] nanoe X Generator Mark 3, Internal unit: 4 way cassette.

Energy Recovery Ventilation (ERV) and Air Handling Unit (AHU) connection kit.

- ERV solutions available with or without DX coil
- ERV line-up includes models up to 2000 m³/h, suitable for a wide range of commercial applications
- Flexible AHU connection kit compatible with the complete R32 ECOi range.

Hydraulic solution.

- Hydro module options for chilled and hot water production. It's ideal for hotel projects. Maximum hot water outlet temperature 45 °C

Wide and flexible connectivity.

Choose from a full range of controllers, from single units to centralised solutions, with seamless BMS integration for smarter building management.

VRF outdoor units range

Page	Outdoor units	4 HP	5 HP	6 HP	8 HP	10 HP
P. 50	<div>R32</div> Mini ECOi LZ2 Series · R32					
		U-4LZ2E5 / U-4LZ2E8	U-5LZ2E5 / U-5LZ2E8	U-6LZ2E5 / U-6LZ2E8	U-8LZ2E8	U-10LZ2E8
P. 51	Mini ECOi LE2 / LE1 Series · R410A					
		U-4LE2E5 / U-4LE2E8	U-5LE2E5 / U-5LE2E8	U-6LE2E5 / U-6LE2E8	U-8LE1E8	U-10LE1E8
P. 53	<div>R32</div> 2-Pipe ECOi EX MZ1 Series · R32					
					U-8MZ1E8	U-10MZ1E8
P. 54	<div>R32</div> NEW! 3-Pipe ECOi EX MF4 Series · R32					
					U-8MF4E8	U-10MF4E8
P. 55	2-Pipe ECOi EX ME2 Series · R410A					
					U-8ME2E8	U-10ME2E8
P. 57	3-Pipe ECOi EX MF3 Series · R410A					
					U-8MF3E8	U-10MF3E8

12 HP

14 HP

16 HP

18 HP

20 HP



U-12MZ1E8



U-12MF4E8



U-12ME2E8



U-14ME2E8



U-16ME2E8



U-18ME2E8



U-20ME2E8



U-12MF3E8

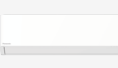
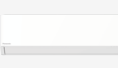
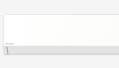
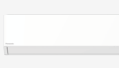
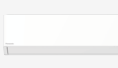
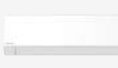
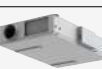


U-14MF3E8



U-16MF3E8

VRF indoor units range

Page	Indoor units	1,0 kW	1,5 kW	2,2 kW	2,8 kW	3,6 kW	4,5 kW	5,6 kW
P. 58	U2 type 4 way 90x90 cassette · R32 / R410A			 S-22MU2E5C	 S-28MU2E5C	 S-36MU2E5C	 S-45MU2E5C	 S-56MU2E5C
P. 58	Y3 type 4 way 60x60 cassette · R32 / R410A		 S-15MY3EB	 S-22MY3EB	 S-28MY3EB	 S-36MY3EB	 S-45MY3EB	 S-56MY3EB
P. 59	L1 type 2 way cassette · R410A			 S-22ML1E5	 S-28ML1E5	 S-36ML1E5	 S-45ML1E5	 S-56ML1E5
P. 59	D1 type 1 way cassette · R410A				 S-28MD1E5	 S-36MD1E5	 S-45MD1E5	 S-56MD1E5
P. 60	F3 type variable static pressure adaptive duct · R32 / R410A		 S-15MF3E5D	 S-22MF3E5D	 S-28MF3E5D	 S-36MF3E5D	 S-45MF3E5D	 S-56MF3E5D
P. 60	M2 type slim variable static pressure hide-away · R32 / R410A	 S-10MM2EB	 S-15MM2EB	 S-22MM2EB	 S-28MM2EB	 S-36MM2EB	 S-45MM2EB	 S-56MM2EB
P. 60	E2 type high static pressure hide-away · R410A							
P. 61	K3 type wall-mounted · R32 / R410A		 S-15MK3E	 S-22MK3E	 S-28MK3E	 S-36MK3E	 S-45MK3E	 S-56MK3E
P. 61	T2 type ceiling · R410A					 S-36MT2E5A	 S-45MT2E5A	 S-56MT2E5A
P. 62	G1 type floor console · R410A			 S-22MG1E5N	 S-28MG1E5N	 S-36MG1E5N	 S-45MG1E5N	 S-56MG1E5N
P. 62	NEW! P2 type floor-standing · R32 / R410A			 S-22MP2E5	 S-28MP2E5	 S-36MP2E5	 S-45MP2E5	 S-56MP2E5
P. 62	NEW! R2 type concealed floor-standing · R32 / R410A			 S-22MR2E5	 S-28MR2E5	 S-36MR2E5	 S-45MR2E5	 S-56MR2E5
P. 63	Hydrokit for ECOi, water at 45 °C · R410A							
P. 112	2-Pipe ECOi EX ME2 Series with water heat exchanger · R410A							
P. 63	Energy recovery ventilation with DX coil – HRPT Series · R32 / R410A			 PAW-HRPT40HX PAW-HRPT40 (2,5 kW)				 PAW-HRPT80HX PAW-HRPT80 (5 kW)

OPTIONAL UNITS ON VENTILATION SECTION

6,0 kW	7,3 kW	9,0 kW	10,6 kW	11,2 kW	14,0 kW	16,0 kW	22,4 kW	28,0 kW
 S-60MU2E5C	 S-73MU2E5C	 S-90MU2E5C		 S-112MU2E5C	 S-140MU2E5C	 S-160MU2E5C	A panel in graphite black (RAL9011) is available. 	
							A new panel in graphite black (RAL9011) is available. 	
	 S-73ML1E5							
	 S-73MD1E5							
 S-60MF3E5D	 S-73MF3E5D	 S-90MF3E5D		 S-112MF3E5D	 S-140MF3E5D	 S-160MF3E5D		
							 S-224ME2E5	 S-280ME2E5
	 S-73MK3E		 S-106MK3E					
	 S-73MT2E5A		 S-106MT2E5A		 S-140MT2E5A			
	 S-71MP2E5							
	 S-71MR2E5							
		 S-80MW1E5			 S-125MW1E5			
							 PAW-250WP5G1 PAW-250W5G1	 PAW-500WP5G1 PAW-500W5G1 (50 kW)
 PAW-HRPT120 (7 kW)			 PAW-HRPT160 (10 kW)	 PAW-HRPT200 (12,5 kW)				

Mini VRF – Mini ECOi LZ2 Series R32

Mini ECOi LZ2 Series 4 to 6 HP · R32

Outstanding seasonal efficiency.

Compact body - Low height only 996 mm.

Wide operation range from -20 °C in heating to +52 °C in cooling.

R32



Outdoor unit		Nominal capacity		ErP data ¹⁾		Dimension H x W x D mm	Weight kg	RRP £
		Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$			
1ph	4 HP U-4LZ2E5	12,1	12,5	8,50 / 337,0%	5,05 / 199,0%	996 x 980 x 370	94	4,418
	5 HP U-5LZ2E5	14,0	16,0	8,12 / 321,8%	4,61 / 181,4%	996 x 980 x 370	94	4,734
	6 HP U-6LZ2E5	15,5	16,5	7,71 / 305,4%	4,59 / 180,6%	996 x 980 x 370	94	5,247
3ph	4 HP U-4LZ2E8	12,1	12,5	8,50 / 337,0%	5,05 / 199,0%	996 x 980 x 370	94	4,731
	5 HP U-5LZ2E8	14,0	16,0	8,12 / 321,8%	4,61 / 181,4%	996 x 980 x 370	94	5,350
	6 HP U-6LZ2E8	15,5	16,5	7,71 / 305,4%	4,59 / 180,6%	996 x 980 x 370	94	5,760

Piping information				
Outdoor unit	HP	4	5	6
Piping diameter (liquid - gas)	Inch	3/8 - 3/8	3/8 - 3/8	3/8 - 3/8
Maximum piping length (total)	m	90 (180)	90 (180)	90 (180)
Elevation difference (in / out)	m	50 (OU above) / 40 (OU below)	50 (OU above) / 40 (OU below)	50 (OU above) / 40 (OU below)

Electrical information (power supply to indoor)							
Single phase				Three phase			
Outdoor unit	HP	4	5	6	4	5	6
Recommended fuse	A	25	25	30	10	16	16

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for U2 type 4 way 90x90 cassette indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) × PEF.

Mini ECOi LZ2 Series 8 and 10 HP · R32

Outstanding seasonal efficiency.

Maximum piping length 100 m.

Wide operation range from -20 °C in heating to +52 °C in cooling.

R32



Outdoor unit		Nominal capacity		ErP data ¹⁾		Dimension H x W x D mm	Weight kg	RRP £
		Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$			
3ph	8 HP U-8LZ2E8	22,4	25,0	7,56 / 299,4%	4,59 / 180,6%	1500 x 980 x 370	125	7,504
	10 HP U-10LZ2E8	28,0	28,0	7,08 / 280,2%	4,60 / 181,0%	1500 x 980 x 370	126	8,229

Piping information			
Outdoor unit	HP	8	10
Piping diameter (liquid - gas)	Inch	3/8 - 3/4	3/8 - 7/8
Maximum piping length (total)	m	100 (300)	100 (300)
Elevation difference (in / out)	m	50 (OU above) / 40 (OU below)	50 (OU above) / 40 (OU below)

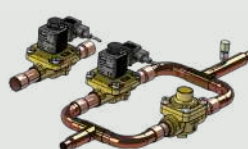
Electrical information (power supply to indoor)				
Three phase				
Outdoor unit	HP	8	10	
Recommended fuse	A	20	25	

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for F2 type variable static pressure hide-away indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) × PEF.

R32 Pump Down solution.

R32 Pump Down solution offers the assurance of additional safety protection, whilst expanding the potential installation cases, allowing for installation within smaller rooms.

Suitable for the Mini ECOi LZ2 range up to 10 HP, compatible indoor units connected to CZ-CGLSC2 or integrated Panasonic R32 refrigerant leak detector.



Model reference	Description	RRP £
PAW-PUD2WB-1	Basic Pump Down system (2 way) for one R32 Mini ECOi outdoor unit	
CZ-CGLSC2	Leak detector designed for 4 way 90x90 cassettes, 4 way 60x60 cassettes, and wall-mounted units.	186

Mini VRF – Mini ECOi LE Series R410A

Mini ECOi LE2 Series high efficiency 4 to 6 HP · R410A

Ideal solution for the limited installation space.

Wide operation range from -20 °C in heating to +46 °C in cooling.



Outdoor unit			Nominal capacity		ErP data ¹⁾		Dimension	Weight	RRP
			Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$	H x W x D mm	kg	£
1ph	4 HP	U-4LE2E5	12,1	12,5	7,85 / 311,0%	4,87 / 191,8%	996 x 980 x 370	106	4,167
	5 HP	U-5LE2E5	14,0	16,0	7,48 / 296,2%	4,40 / 172,9%	996 x 980 x 370	106	4,465
	6 HP	U-6LE2E5	15,5	16,5	7,25 / 286,8%	4,24 / 166,7%	996 x 980 x 370	106	4,950
3ph	4 HP	U-4LE2E8	12,1	12,5	7,85 / 311,0%	4,87 / 191,8%	996 x 980 x 370	106	4,462
	5 HP	U-5LE2E8	14,0	16,0	7,48 / 296,2%	4,40 / 172,9%	996 x 980 x 370	106	5,047
	6 HP	U-6LE2E8	15,5	16,5	7,25 / 286,8%	4,24 / 166,7%	996 x 980 x 370	106	5,432

Piping information				
Outdoor unit	HP	4	5	6
Piping diameter (liquid - gas)	Inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Maximum piping length (total)	m	150 (180)	150 (180)	150 (180)
Elevation difference (in / out)	m	50 (OU above) / 40 (OU below)	50 (OU above) / 40 (OU below)	50 (OU above) / 40 (OU below)

Electrical information (power supply to indoor)							
Single phase				Three phase			
Outdoor unit	HP	4	5	6	4	5	6
Recommended fuse	A	25	32	32	10	16	16

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for F2 type variable static pressure hide-away indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = [η + Correction] × PEF.

Mini ECOi LE1 Series high efficiency 8 and 10 HP · R410A

Ideal solution for the limited installation space.

Wide operation range from -20 °C in heating to +46 °C in cooling.



Outdoor unit			Nominal capacity		ErP data ¹⁾		Dimension	Weight	RRP £
			Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$	H x W x D mm	kg	
3ph	8 HP	U-8LE1E8	22,4	25,0	6,27 / 247,9%	4,24 / 166,4%	1500 x 980 x 370	132	7,078
	10 HP	U-10LE1E8	28,0	28,0	6,37 / 251,8%	4,31 / 169,5%	1500 x 980 x 370	133	7,762

Piping information				
Outdoor unit	HP	8	10	
Piping diameter (liquid - gas)	Inch	3/8 ³⁾ / 1/2 ⁴⁾ - 3/4 ³⁾ / 7/8 ⁴⁾	3/8 ³⁾ / 1/2 ⁴⁾ - 7/8 ³⁾ / 1 ⁴⁾	
Maximum piping length (total)	m	7,5 - 150 (7,5 - 300)	7,5 - 150 (7,5 - 300)	
Elevation difference (in / out)	m	50 (OU above) / 40 (OU below)	50 (OU above) / 40 (OU below)	

Electrical information (power supply to indoor)				
Three phase				
Outdoor unit	HP	8	10	
Recommended fuse	A	20	25	

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for F2 type variable static pressure hide-away indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = [η + Correction] × PEF. 3) Under 90 m for ultimate indoor unit. 4) Over 90 m for ultimate indoor unit. If the longest piping equivalent length exceeds 90 m, increase the sizes of the main tubes by 1 rank for gas and liquid pipes.

Panasonic DX PRO Designer.

The Panasonic DX PRO Designer, rebuilt with an improved user experience. The software runs in the cloud and is always up to date with the latest products. An intuitive interface supports the most complicated designs, allows online sharing and project collaboration with multilingual support.



Panasonic Comfort Cloud App

Download free app.

Other hardware requirements: Wi-Fi internet connection (not included) and Smartphone or tablet with internet access. The Panasonic Cloud Server is fully managed and operated by Panasonic.
Optional Wi-Fi adapter (CZ-CAPWFC2) or wired remote controller (CZ-RTC6BLW, CZ-RTC6WBLW, CZ-RTC6BLW2, CZ-RTC6WBLW2) required for smart control via Panasonic Comfort Cloud App.



Comfort Cloud



Completed ECOi EX Range R32

Extreme efficiency, quality, compact.

The ECOi EX Series with R32 refrigerant has been expanded to minimise the environmental impact of VRF Systems for the decarbonised buildings.



Advanced R32 technology and optimised design make it a more sustainable alternative to R410A.

With lower GWP and superior efficiency, it ensures sustainability throughout its lifetime.



1) Panasonic's R32 safety measures comply with IEC 60335-2-40 (ed. 7.0) and EN 378 (ISO 5149). 2) Compared to R410A systems.



2-Pipe ECOi EX MZ1 Series

3-Pipe ECOi EX MF4 Series

Capacity range	8 HP – 48 HP	8 HP – 36 HP
High seasonal efficiency ($n_{s,c} / n_{s,h}$)	310,1% – 172,4% ¹⁾	308,3% – 171,0% ²⁾
Extended operation range	-25 °C in heating to +52 °C in cooling	-20 °C in heating to +52 °C in cooling
Flexible piping installation	1000 m	500 m

1) U-10MZ1E8. 2) U-10MF4E8.

R32 safety measures by Panasonic.

Leak detector – CZ-CGLSC2.

Leak detector designed for 4 way 90x90 cassettes, 4 way 60x60 cassettes, and wall-mounted units.



Leak alarm – CZ-CGLALC1.

R32 refrigerant leak alarm designed for adaptive duct, slim duct, floor standing and concealed floor standing.



External power supply – PAW-16DC-ALC1.

External 16 V power supply (EN 378 compliant), including a leak alarm for remote locations. The leak alarm can be deactivated.



2-pipe safety valve kit – CZ-P1160SVK.

The safety valve manages the shutdown of only the area / zone experiencing a refrigerant leak, instead of shutting down the whole 2-pipe ECOi EX system.



3-pipe heat recovery box with safety valve kit – CZ-P1160SVHR.

Single-port heat recovery box for the 3-pipe ECOi EX system. The safety valve manages the shutdown of only the area / zone experiencing a refrigerant leak, instead of shutting down the whole system.



3-pipe heat recovery box – CZ-P1160HR4.

Standard single-port heat recovery box for the 3-pipe ECOi EX system.



VRF – ECOi EX Series R32

NEW 2-Pipe ECOi EX MZ1 Series · R32

Extreme efficiency, quality, compact.

Advanced R32 refrigerant technology and optimised system design.

Wide operation range from -25 °C in heating to +52 °C in cooling.

R32



Outdoor unit		Nominal capacity		ErP data ¹⁾		Dimension H x W x D mm	Weight kg	RRP £
		Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$			
3ph	8 HP U-8MZ1E8	22,4	25,0	7,27 / 288,0%	4,35 / 171,0%	1660 x 880 x 765	203	9,283
	10 HP U-10MZ1E8	28,0	31,5	7,82 / 310,1%	4,38 / 172,4%	1660 x 880 x 765	203	9,964
	12 HP U-12MZ1E8	33,5	37,5	7,37 / 292,1%	4,33 / 170,3%	1660 x 880 x 765	206	11,940

Piping information				
Outdoor unit	HP	8	10	12
Piping diameter (liquid)	Inch	3/8 - 1/2	3/8 - 1/2	3/8 - 1/2
Piping diameter (gas)	Inch	3/4 / 7/8	3/4 / 7/8	7/8 / 1 1/8
Piping diameter (balance)	Inch	1/4	1/4	1/4

Electrical information (power supply to indoor)				
Three phase				
Outdoor unit	HP	8	10	12
Recommended fuse	A	20	25	25

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for U2 type 4 way 90x90 cassette indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) × PEF.

NEW 2-Pipe ECOi EX MZ1 Series combination from 16 to 48 HP · R32

R32



Outdoor unit		Nominal capacity		SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$	Dimension H x W x D mm	Weight kg	RRP £
		Cooling kW	Heating kW					
3ph	16 HP U-8MZ1E8 + U-8MZ1E8	44,8	50,0	7,24 / 286,8%	4,32 / 169,8%	1660 x 1760 (+60) x 765	406	18,566
	18 HP U-8MZ1E8 + U-10MZ1E8	50,4	56,5	7,56 / 299,6%	4,33 / 170,3%	1660 x 1760 (+60) x 765	406	19,247
	20 HP U-8MZ1E8 + U-12MZ1E8	55,9	62,5	7,29 / 288,9%	4,29 / 168,8%	1660 x 1760 (+60) x 765	409	21,223
	20 HP U-10MZ1E8 + U-10MZ1E8	56,0	63,0	7,82 / 310,1%	4,38 / 172,2%	1660 x 1760 (+60) x 765	406	19,928
	22 HP U-10MZ1E8 + U-12MZ1E8	61,5	69,0	7,55 / 299,1%	4,34 / 170,7%	1660 x 1760 (+60) x 765	409	21,904
	24 HP U-12MZ1E8 + U-12MZ1E8	67,0	75,0	7,33 / 290,2%	4,33 / 170,2%	1660 x 1760 (+60) x 765	412	23,880
	24 HP U-8MZ1E8 + U-8MZ1E8 + U-8MZ1E8	67,2	75,0	7,24 / 286,8%	4,32 / 169,8%	1660 x 2640 (+120) x 765	609	27,849
	26 HP U-8MZ1E8 + U-8MZ1E8 + U-10MZ1E8	72,8	81,5	7,46 / 295,6%	4,31 / 169,5%	1660 x 2640 (+120) x 765	609	28,530
	28 HP U-8MZ1E8 + U-8MZ1E8 + U-12MZ1E8	78,3	87,5	7,23 / 286,3%	4,34 / 170,9%	1660 x 2640 (+120) x 765	612	30,506
	28 HP U-8MZ1E8 + U-10MZ1E8 + U-10MZ1E8	78,4	88,0	7,61 / 301,5%	4,35 / 171,2%	1660 x 2640 (+120) x 765	609	29,211
	30 HP U-8MZ1E8 + U-10MZ1E8 + U-12MZ1E8	83,9	94,0	7,45 / 295,1%	4,33 / 170,4%	1660 x 2640 (+120) x 765	612	31,187
	30 HP U-10MZ1E8 + U-10MZ1E8 + U-10MZ1E8	84,0	94,5	7,82 / 310,1%	4,38 / 172,4%	1660 x 2640 (+120) x 765	609	29,892
	32 HP U-8MZ1E8 + U-12MZ1E8 + U-12MZ1E8	89,4	100,0	7,26 / 287,4%	4,31 / 169,6%	1660 x 2640 (+120) x 765	615	33,163
	32 HP U-10MZ1E8 + U-10MZ1E8 + U-12MZ1E8	89,5	100,0	7,63 / 302,4%	4,38 / 172,2%	1660 x 2640 (+120) x 765	612	31,868
	32 HP U-8MZ1E8 + U-8MZ1E8 + U-8MZ1E8 + U-8MZ1E8	89,6	100,0	7,24 / 286,8%	4,32 / 169,8%	1660 x 3520 (+180) x 765	812	37,132
	34 HP U-10MZ1E8 + U-12MZ1E8 + U-12MZ1E8	95,0	106,0	7,47 / 295,9%	4,35 / 171,3%	1660 x 2640 (+120) x 765	615	33,844
	34 HP U-8MZ1E8 + U-8MZ1E8 + U-8MZ1E8 + U-10MZ1E8	95,2	106,0	7,37 / 291,8%	4,29 / 168,7%	1660 x 3520 (+180) x 765	812	37,813
	36 HP U-12MZ1E8 + U-12MZ1E8 + U-12MZ1E8	100,0	112,0	7,37 / 292,0%	4,33 / 170,3%	1660 x 2640 (+120) x 765	618	35,820
	36 HP U-8MZ1E8 + U-8MZ1E8 + U-10MZ1E8 + U-10MZ1E8	100,0	113,0	7,53 / 298,2%	4,33 / 170,3%	1660 x 3520 (+180) x 765	812	38,494
	36 HP U-8MZ1E8 + U-8MZ1E8 + U-8MZ1E8 + U-12MZ1E8	100,0	112,0	7,25 / 287,0%	4,32 / 170,1%	1660 x 3520 (+180) x 765	815	39,789
	38 HP U-8MZ1E8 + U-8MZ1E8 + U-10MZ1E8 + U-12MZ1E8	106,0	119,0	7,36 / 291,7%	4,31 / 169,6%	1660 x 3520 (+180) x 765	815	40,470
	38 HP U-10MZ1E8 + U-10MZ1E8 + U-10MZ1E8 + U-10MZ1E8	106,0	119,0	7,66 / 303,4%	4,36 / 171,4%	1660 x 3520 (+180) x 765	812	39,175
	40 HP U-8MZ1E8 + U-8MZ1E8 + U-12MZ1E8 + U-12MZ1E8	111,0	125,0	7,30 / 289,0%	4,29 / 168,8%	1660 x 3520 (+180) x 765	818	42,446
	40 HP U-10MZ1E8 + U-10MZ1E8 + U-10MZ1E8 + U-10MZ1E8	112,0	126,0	7,82 / 310,1%	4,38 / 172,2%	1660 x 3520 (+180) x 765	812	39,856
	40 HP U-8MZ1E8 + U-10MZ1E8 + U-10MZ1E8 + U-12MZ1E8	111,0	125,0	7,53 / 298,2%	4,34 / 170,6%	1660 x 3520 (+180) x 765	815	41,151
	42 HP U-8MZ1E8 + U-10MZ1E8 + U-12MZ1E8 + U-12MZ1E8	117,0	131,0	7,43 / 294,4%	4,35 / 171,0%	1660 x 3520 (+180) x 765	818	43,127
	42 HP U-10MZ1E8 + U-10MZ1E8 + U-10MZ1E8 + U-12MZ1E8	117,0	132,0	7,65 / 303,2%	4,36 / 171,6%	1660 x 3520 (+180) x 765	815	41,832
	44 HP U-8MZ1E8 + U-12MZ1E8 + U-12MZ1E8 + U-12MZ1E8	122,0	137,0	7,28 / 288,5%	4,33 / 170,3%	1660 x 3520 (+180) x 765	821	45,103
	44 HP U-10MZ1E8 + U-10MZ1E8 + U-12MZ1E8 + U-12MZ1E8	123,0	138,0	7,56 / 299,4%	4,34 / 170,7%	1660 x 3520 (+180) x 765	818	43,808
	46 HP U-10MZ1E8 + U-12MZ1E8 + U-12MZ1E8 + U-12MZ1E8	128,0	144,0	7,41 / 293,7%	4,35 / 171,2%	1660 x 3520 (+180) x 765	821	45,784
	48 HP U-12MZ1E8 + U-12MZ1E8 + U-12MZ1E8 + U-12MZ1E8	134,0	150,0	7,37 / 292,1%	4,33 / 170,3%	1660 x 3520 (+180) x 765	824	47,760

Piping information																
Outdoor unit	HP	16 HP	18 HP	20 HP	20 HP	22 HP	24 HP	24 HP	26 HP	28 HP	28 HP	30 HP	30 HP	32 HP	32 HP	34 HP
Piping diameter (liquid)	Inch	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	1/2 / 3/8	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4
Piping diameter (gas)	Inch	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

Outdoor unit	HP	34 HP	36 HP	36 HP	36 HP	38 HP	38 HP	40 HP	40 HP	40 HP	42 HP	42 HP	44 HP	44 HP	46 HP	48 HP
Piping diameter (liquid)	Inch	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4
Piping diameter (gas)	Inch	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8	1 3/8 / 1 3/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

1) 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. SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for U2 type 4 way 90x90 cassette indoor units.

VRF – ECOi EX Series R32

NEW! 3-Pipe ECOi EX MF4 Series · R32

Extreme efficiency, quality, compact.

Advanced R32 refrigerant technology and optimised system design.

Wide operation range from -20 °C in heating to +52 °C in cooling.

NEW

R32



Outdoor unit		Nominal capacity		ErP data ¹⁾		Dimension H x W x D mm	Weight kg	RRP €
		Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$			
3ph	8 HP U-8MF4E8	22,4	25,0	7,36 / 291,6%	4,32 / 170,1%	1660 x 880 x 765	217	9,602
	10 HP U-10MF4E8	28,0	31,5	7,78 / 308,3%	4,35 / 171,0%	1660 x 880 x 765	218	10,597
	12 HP U-12MF4E8	33,5	37,5	7,43 / 294,4%	4,32 / 170,0%	1660 x 880 x 765	218	12,537

Piping information				
Outdoor unit	HP	8	10	12
Piping diameter (liquid)	Inch	3/8 - 1/2	3/8 - 1/2	1/2 - 5/8
Piping diameter (gas)	Inch	5/8 - 3/4	5/8 - 3/4	3/4 - 7/8
Piping diameter (suction)	Inch	3/4 - 7/8	3/4 - 7/8	7/8 - 1 1/8
Piping diameter (balance)	Inch	1/4	1/4	1/4

Electrical information (power supply to indoor)

Three phase				
Outdoor unit	HP	8	10	12
Recommended fuse	A	20	25	25

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for U2 type 4 way 90x90 cassette indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = [η + Correction] × PEF.

NEW! 3-Pipe ECOi EX MF4 Series · R32 Combination from 16 to 36 HP

NEW

R32



Outdoor unit		Nominal capacity		SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$	Dimension H x W x D mm	Weight kg	RRP €
		Cooling kW	Heating kW					
3ph	16 HP U-8MF4E8 + U-8MF4E8	44,8	50,0	7,36 - 291,6%	4,32 - 170,0%	1660 x 1760 (+60) x 765	434	19,204
	18 HP U-8MF4E8 + U-10MF4E8	50,4	56,5	7,58 - 300,4%	4,32 - 169,9%	1660 x 1760 (+60) x 765	435	20,199
	20 HP U-8MF4E8 + U-12MF4E8	55,9	62,5	7,38 - 292,3%	4,30 - 169,3%	1660 x 1760 (+60) x 765	435	22,139
	20 HP U-10MF4E8 + U-10MF4E8	56,0	63,0	7,78 - 308,3%	4,35 - 171,0%	1660 x 1760 (+60) x 765	436	21,194
	22 HP U-10MF4E8 + U-12MF4E8	61,5	69,0	7,55 - 299,3%	4,30 - 169,2%	1660 x 1760 (+60) x 765	436	23,134
	24 HP U-12MF4E8 + U-12MF4E8	67,0	75,0	7,38 - 292,5%	4,32 - 169,9%	1660 x 1760 (+60) x 765	436	25,074
	24 HP U-8MF4E8 + U-8MF4E8 + U-8MF4E8	67,2	75,0	7,36 - 291,6%	4,32 - 170,0%	1660 x 2640 (+120) x 765	651	28,806
	26 HP U-8MF4E8 + U-8MF4E8 + U-10MF4E8	72,8	81,5	7,50 - 297,0%	4,30 - 169,1%	1660 x 2640 (+120) x 765	652	29,801
	28 HP U-8MF4E8 + U-8MF4E8 + U-12MF4E8	78,3	87,5	7,34 - 290,6%	4,29 - 168,7%	1660 x 2640 (+120) x 765	652	31,741
	28 HP U-8MF4E8 + U-10MF4E8 + U-10MF4E8	78,4	88,0	7,59 - 300,9%	4,32 - 170,0%	1660 x 2640 (+120) x 765	653	30,796
	30 HP U-8MF4E8 + U-10MF4E8 + U-12MF4E8	83,9	94,0	7,51 - 297,6%	4,31 - 169,4%	1660 x 2640 (+120) x 765	653	32,736
	30 HP U-10MF4E8 + U-10MF4E8 + U-10MF4E8	84,0	94,5	7,73 - 306,2%	4,35 - 171,0%	1660 x 2640 (+120) x 765	654	31,791
	32 HP U-8MF4E8 + U-12MF4E8 + U-12MF4E8	89,4	100,0	7,34 - 290,7%	4,29 - 168,9%	1660 x 2640 (+120) x 765	653	34,676
	32 HP U-10MF4E8 + U-10MF4E8 + U-12MF4E8	89,5	100,0	7,61 - 301,5%	4,33 - 170,3%	1660 x 2640 (+120) x 765	654	33,731
	34 HP U-10MF4E8 + U-12MF4E8 + U-12MF4E8	95,0	106,0	7,50 - 297,3%	4,30 - 169,2%	1660 x 2640 (+120) x 765	654	35,671
	36 HP U-12MF4E8 + U-12MF4E8 + U-12MF4E8	100,0	112,0	7,39 - 292,8%	4,32 - 170,0%	1660 x 2640 (+120) x 765	654	37,611

Piping information																	
Outdoor unit	HP	16 HP	18 HP	20 HP	20 HP	22 HP	24 HP	24 HP	26 HP	28 HP	28 HP	30 HP	30 HP	32 HP	32 HP	34 HP	36 HP
Piping diameter (liquid)	Inch	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	1/2 - 5/8	5/8 - 3/4	5/8 - 3/4	5/8 - 3/4	5/8 - 3/4	5/8 - 3/4	5/8 - 3/4
Piping diameter (gas)	Inch	3/4 - 7/8	3/4 - 7/8	7/8 - 1 1/8	7/8 - 1 1/8	7/8 - 1 1/8	7/8 - 1 1/8	7/8 - 1 1/8	7/8 - 1 1/8	7/8 - 1 1/8	7/8 - 1 1/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8
Piping diameter (suction)	Inch	7/8 - 1 1/8	7/8 - 1 1/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 1/8 - 1 3/8	1 3/8 - 1 5/8	1 3/8 - 1 5/8	1 3/8 - 1 5/8	1 3/8 - 1 5/8	1 3/8 - 1 5/8	1 3/8 - 1 5/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

1) 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. SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for U2 type 4 way 90x90 cassette indoor units.

VRF – ECOi EX Series R410A

2-Pipe ECOi EX ME2 Series · R410A

High performance at extreme conditions.

Oil recovery intelligent control for high performance and comfort.

Wide operation range from -25 °C in heating to +52 °C in cooling.



Outdoor unit		Nominal capacity		ErP data ¹⁾		Dimension	Weight	RRP
		Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$	H x W x D mm	kg	
3ph	8 HP U-8ME2E8	22,4	25,0	7,43 / 294,3%	4,79 / 188,4%	1842 x 770 x 1000	210	9,022
	10 HP U-10ME2E8	28,0	31,5	6,96 / 275,4%	4,27 / 167,6%	1842 x 770 x 1000	210	9,685
	12 HP U-12ME2E8	33,5	37,5	6,74 / 266,6%	4,72 / 185,8%	1842 x 1180 x 1000	270	11,605
	14 HP U-14ME2E8	40,0	45,0	7,23 / 286,0%	4,28 / 168,2%	1842 x 1180 x 1000	315	13,074
	16 HP U-16ME2E8	45,0	50,0	6,43 / 254,3%	4,05 / 159,0%	1842 x 1180 x 1000	315	14,129
	18 HP U-18ME2E8	50,0	56,0	7,56 / 299,2%	4,29 / 168,7%	1842 x 1540 x 1000	375	16,227
	20 HP U-20ME2E8	56,0	63,0	7,03 / 278,2%	4,09 / 160,4%	1842 x 1540 x 1000	375	17,049

Piping information									Electrical information (power supply to indoor)									
Outdoor unit	HP	8	10	12	14	16	18	20	Three phase									
Piping diameter (liquid)	Inch	3/8 - 1/2	3/8 - 1/2	1/2 / 5/8	1/2 / 5/8	1/2 / 5/8	5/8 / 3/4	5/8 / 3/4	Outdoor unit	HP	8	10	12	14	16	18	20	
Piping diameter (gas)	Inch	3/4 / 7/8	7/8 / 1 1/8	1 1/8	1 1/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	Recommended fuse	A	16	20	25	32	40	40	50	
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4										

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for F2 type variable static pressure hide-away indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = [η + Correction] × PEF.

2-Pipe ECOi EX ME2 Series · R410A

High efficiency model combination from 18 to 64 HP



Outdoor unit		Nominal capacity		Dimension		Weight	RRP
		Cooling kW	Heating kW	H x W x D mm		kg	
3ph	18 HP U-8ME2E8 + U-10ME2E8	50,0	56,0	1842 x 1600 x 1000		420	18,707
	20 HP U-10ME2E8 + U-10ME2E8	56,0	63,0	1842 x 1600 x 1000		420	19,370
	22 HP U-10ME2E8 + U-12ME2E8	61,5	69,0	1842 x 2010 x 1000		480	21,290
	24 HP U-12ME2E8 + U-12ME2E8	68,0	76,5	1842 x 2420 x 1000		540	23,210
	26 HP U-10ME2E8 + U-16ME2E8	73,0	81,5	1842 x 2010 x 1000		535	23,814
	28 HP U-12ME2E8 + U-16ME2E8	78,5	87,5	1842 x 2420 x 1000		585	25,734
	30 HP U-14ME2E8 + U-16ME2E8	85,0	95,0	1842 x 2420 x 1000		630	27,203
	32 HP U-16ME2E8 + U-16ME2E8	90,0	100,0	1842 x 2420 x 1000		630	28,258
	34 HP U-10ME2E8 + U-12ME2E8 + U-12ME2E8	96,0	108,0	1842 x 3250 x 1000		750	32,895
	36 HP U-12ME2E8 + U-12ME2E8 + U-12ME2E8	101,0	113,0	1842 x 3660 x 1000		810	34,815
	38 HP U-10ME2E8 + U-12ME2E8 + U-16ME2E8	107,0	119,0	1842 x 3250 x 1000		795	35,419
	40 HP U-12ME2E8 + U-12ME2E8 + U-16ME2E8	113,0	127,0	1842 x 3660 x 1000		855	37,339
	42 HP U-10ME2E8 + U-16ME2E8 + U-16ME2E8	118,0	132,0	1842 x 3250 x 1000		840	37,943
	44 HP U-12ME2E8 + U-16ME2E8 + U-16ME2E8	124,0	138,0	1842 x 3660 x 1000		900	39,863
	46 HP U-14ME2E8 + U-16ME2E8 + U-16ME2E8	130,0	145,0	1842 x 3660 x 1000		945	41,332
	48 HP U-16ME2E8 + U-16ME2E8 + U-16ME2E8	135,0	150,0	1842 x 3660 x 1000		945	42,387
	50 HP U-10ME2E8 + U-12ME2E8 + U-12ME2E8 + U-16ME2E8	140,0	155,0	1842 x 4490 x 1000		1065	47,024
	52 HP U-12ME2E8 + U-12ME2E8 + U-12ME2E8 + U-16ME2E8	145,0	160,0	1842 x 4900 x 1000		1125	48,944
	54 HP U-10ME2E8 + U-12ME2E8 + U-16ME2E8 + U-16ME2E8	151,0	169,0	1842 x 4490 x 1000		1110	49,548
	56 HP U-12ME2E8 + U-12ME2E8 + U-16ME2E8 + U-16ME2E8	156,0	175,0	1842 x 4900 x 1000		1170	51,468
	58 HP U-10ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	162,0	182,0	1842 x 4490 x 1000		1155	52,072
	60 HP U-12ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	168,0	189,0	1842 x 4900 x 1000		1215	53,992
	62 HP U-14ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	174,0	195,0	1842 x 4900 x 1000		1260	55,461
	64 HP U-16ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	180,0	201,0	1842 x 4900 x 1000		1260	56,516

Piping information													
Outdoor unit	HP	18	20	22	24	26	28	30	32	34	36	38	40
Piping diameter (liquid)	Inch	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8
Piping diameter (gas)	Inch	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 5/8	1 5/8	1 5/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

Outdoor unit	HP	42	44	46	48	50	52	54	56	58	60	62	64
Piping diameter (liquid)	Inch	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8
Piping diameter (gas)	Inch	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8 / 2 1/8	1 5/8 / 2 1/8	1 5/8 / 2 1/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

VRF – ECOi EX Series R410A

2-Pipe ECOi EX ME2 Series · R410A

Space saving model combination from 22 to 80 HP



Outdoor unit		Nominal capacity		SEER ¹⁾	SCOP ¹⁾	Dimension H x W x D mm	Weight kg	RRP £
		Cooling kW	Heating kW					
3ph	22 HP U-10ME2E8 + U-12ME2E8	61,5	69,0	6,90	4,53	1842 x 2010 x 1000	480	21,290
	24 HP U-12ME2E8 + U-12ME2E8	68,0	76,5	6,86	4,78	1842 x 2420 x 1000	540	23,210
	26 HP U-10ME2E8 + U-16ME2E8	73,0	81,5	6,62	4,16	1842 x 2010 x 1000	525	23,814
	28 HP U-12ME2E8 + U-16ME2E8	78,5	87,5	6,60	4,29	1842 x 2420 x 1000	585	25,734
	30 HP U-14ME2E8 + U-16ME2E8	85,0	95,0	6,88	4,13	1842 x 2420 x 1000	630	27,203
	32 HP U-16ME2E8 + U-16ME2E8	90,0	100,0	6,55	4,09	1842 x 2420 x 1000	630	28,258
	34 HP U-14ME2E8 + U-20ME2E8	96,0	108,0	7,21	4,14	1842 x 2780 x 1000	690	30,123
	36 HP U-16ME2E8 + U-20ME2E8	101,0	113,0	6,86	4,06	1842 x 2780 x 1000	690	31,178
	38 HP U-18ME2E8 + U-20ME2E8	107,0	119,0	7,32	4,14	1842 x 3140 x 1000	750	33,276
	40 HP U-20ME2E8 + U-20ME2E8	113,0	127,0	7,16	4,13	1842 x 3140 x 1000	750	34,098
	42 HP U-10ME2E8 + U-16ME2E8 + U-16ME2E8	118,0	132,0	6,57	4,11	1842 x 3250 x 1000	840	37,943
	44 HP U-12ME2E8 + U-16ME2E8 + U-16ME2E8	124,0	138,0	6,60	4,21	1842 x 3660 x 1000	900	39,863
	46 HP U-14ME2E8 + U-16ME2E8 + U-16ME2E8	130,0	145,0	6,70	4,12	1842 x 3660 x 1000	945	41,332
	48 HP U-16ME2E8 + U-16ME2E8 + U-16ME2E8	135,0	150,0	6,55	4,09	1842 x 3660 x 1000	945	42,387
	50 HP U-14ME2E8 + U-16ME2E8 + U-20ME2E8	140,0	155,0	6,96	4,08	1842 x 4020 x 1000	1005	44,252
	52 HP U-16ME2E8 + U-16ME2E8 + U-20ME2E8	145,0	160,0	6,72	4,05	1842 x 4020 x 1000	1005	45,307
	54 HP U-14ME2E8 + U-20ME2E8 + U-20ME2E8	151,0	169,0	7,16	4,13	1842 x 4380 x 1000	1065	47,172
	56 HP U-16ME2E8 + U-20ME2E8 + U-20ME2E8	156,0	175,0	6,92	4,07	1842 x 4380 x 1000	1065	48,227
	58 HP U-18ME2E8 + U-20ME2E8 + U-20ME2E8	162,0	182,0	7,30	4,13	1842 x 4740 x 1000	1125	50,325
	60 HP U-20ME2E8 + U-20ME2E8 + U-20ME2E8	168,0	189,0	7,16	4,13	1842 x 4740 x 1000	1125	51,147
	62 HP U-14ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	174,0	195,0	6,68	4,11	1842 x 4900 x 1000	1260	55,461
	64 HP U-16ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	180,0	201,0	6,55	4,09	1842 x 4900 x 1000	1260	56,516
	66 HP U-10ME2E8 + U-16ME2E8 + U-20ME2E8 + U-20ME2E8	185,0	207,0	6,92	4,11	1842 x 5210 x 1000	1275	57,912
	68 HP U-12ME2E8 + U-16ME2E8 + U-20ME2E8 + U-20ME2E8	190,0	213,0	6,91	4,17	1842 x 5620 x 1000	1335	59,832
	70 HP U-10ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	196,0	219,0	7,09	4,13	1842 x 5570 x 1000	1335	60,832
	72 HP U-16ME2E8 + U-16ME2E8 + U-20ME2E8 + U-20ME2E8	202,0	226,0	6,86	4,06	1842 x 5620 x 1000	1380	62,356
	74 HP U-16ME2E8 + U-18ME2E8 + U-20ME2E8 + U-20ME2E8	208,0	233,0	7,03	4,12	1842 x 5980 x 1000	1440	64,454
	76 HP U-16ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	213,0	239,0	7,01	4,07	1842 x 5980 x 1000	1440	65,276
	78 HP U-18ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	219,0	245,0	7,18	4,13	1842 x 6340 x 1000	1500	67,374
	80 HP U-20ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	224,0	252,0	7,16	4,13	1842 x 6340 x 1000	1500	68,196

Piping information																
Outdoor unit	HP	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
Piping diameter (liquid)	Inch	5/8 / 3/4	5/8 / 3/4	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8
Piping diameter (gas)	Inch	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

Outdoor unit	HP	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
Piping diameter (liquid)	Inch	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	7/8 / 1 1/8	7/8 / 1 1/8	7/8 / 1 1/8	7/8 / 1 1/8	7/8 / 1 1/8	7/8 / 1 1/8	7/8 / 1 1/8
Piping diameter (gas)	Inch	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8 / 2 1/8	1 1/8 / 2 1/8	1 1/8 / 2 1/8	1 1/8 / 2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

1) 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.

ECOi 2-Pipe with water heat exchanger for chilled and hot water production

Flexible modularity from 25 kW.

Maximum hot water outlet temperature: 45 °C.

Minimum chilled water outlet temperature: 5 °C.



Hydrokit								Outdoor unit		RRP			
				Nominal capacity		Energy efficiency class at 35 °C ¹⁾	η _{s,h} (LOT21) ²⁾	Dimension / Weight (with pump) H x W x D mm / kg	Dimension / Weight		w pump £	w/o pump £	Outdoor £
With A class water pump		Without pump	Cool kW	Heat kW	H x W x D mm / kg				H x W x D mm / kg				
1ph	25 kW	PAW-250WP5G1	PAW-250W5G1	25,0	28,0	A++	152,00%	1000 x 575 x 1110 / 135 (140)	U-10ME2E8	1842 x 770 x 1000 / 210	14,273	13,560	9,685
	50 kW	PAW-500WP5G1	PAW-500W5G1	50,0	56,0	A++	152,00%	1000 x 575 x 1110 / 155 (165)	U-20ME2E8	1842 x 1540 x 1000 / 375	15,095	14,341	17,049

Piping information			
Outdoor unit	kW	25	50
Piping diameter (liquid - gas)	Inch	3/8 - 7/8	5/8 - 1 1/8
Elevation difference (in / out)	m	50 [OU above] / 35 [OU below]	50 [OU above] / 35 [OU below]
Pre-charged pipe length	m	0 <	0 <
Additional gas amount	g/m	Refer to manual	Refer to manual

Electrical information (power supply to indoor)			
Three phase			
Outdoor unit	kW	25	50
Recommended fuse	A	20	50

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

VRF – ECOi EX Series R410A

3-Pipe ECOi EX MF3 Series · R410A

Simultaneous heating and cooling operation with heat recovery.

Slim heat recovery boxes with just 200 mm height.

Wide operation range from -20 °C in heating to +52 °C in cooling.



Outdoor unit		Nominal capacity		ErP data ¹⁾		Dimension	Weight	RRP
		Cooling kW	Heating kW	SEER ²⁾ / $\eta_{s,c}$	SCOP ²⁾ / $\eta_{s,h}$	H x W x D mm	kg	
3ph	8 HP U-8MF3E8	22,4	25,0	7,02 / 277,7%	4,85 / 190,9%	1842 x 1180 x 1000	261	9,144
	10 HP U-10MF3E8	28,0	31,5	7,05 / 278,9%	4,25 / 166,8%	1842 x 1180 x 1000	262	10,092
	12 HP U-12MF3E8	33,5	37,5	6,39 / 252,7%	4,27 / 167,8%	1842 x 1180 x 1000	286	11,662
	14 HP U-14MF3E8	40,0	45,0	6,69 / 264,4%	4,13 / 162,1%	1842 x 1180 x 1000	334	13,489
	16 HP U-16MF3E8	45,0	50,0	6,02 / 237,7%	3,81 / 149,3%	1842 x 1180 x 1000	334	15,501

Piping information						
Outdoor unit	HP	8	10	12	14	16
Piping diameter (liquid)	Inch	3/8 / 1/2	3/8 / 1/2	1/2 / 5/8	1/2 / 5/8	1/2 / 5/8
Piping diameter (discharge)	Inch	5/8 / 3/4	3/4 / 7/8	3/4 / 7/8	7/8 / 1 1/8	7/8 / 1 1/8
Piping diameter (suction)	Inch	3/4 / 7/8	7/8 / 1 1/8	1 1/8	1 1/8	1 1/8 / 1 3/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4

Electrical information (power supply to indoor)						
Three phase						
Outdoor unit	HP	8	10	12	14	16
Recommended fuse	A	20	25	25	40	40

1) SEER / SCOP and $\eta_{s,c}$ / $\eta_{s,h}$ are in accordance with ErP test data for F2 type variable static pressure hide-away indoor units. 2) SEER / SCOP is calculated based on the seasonal space cooling / heating efficiency "η" values of the COMMISSION REGULATION (EU) 2016/2281. SEER, SCOP = (η + Correction) × PEF.

3-Pipe ECOi EX MF3 Series · R410A

Combination from 18 to 48 HP



Outdoor unit		Nominal capacity		Dimension	Weight	RRP
		Cooling kW	Heating kW	H x W x D mm	kg	
3ph	18 HP U-8MF3E8 + U-10MF3E8	50,0	56,0	1842 x 2360 (+60) x 1000	523	19,236
	20 HP U-8MF3E8 + U-12MF3E8	56,0	63,0	1842 x 2360 (+60) x 1000	547	20,806
	22 HP U-10MF3E8 + U-12MF3E8	61,5	69,0	1842 x 2360 (+60) x 1000	548	21,754
	24 HP U-12MF3E8 + U-12MF3E8	68,0	76,5	1842 x 2360 (+60) x 1000	574	23,324
	26 HP U-10MF3E8 + U-16MF3E8	73,0	81,5	1842 x 2360 (+60) x 1000	596	25,593
	28 HP U-12MF3E8 + U-16MF3E8	78,5	87,5	1842 x 2360 (+60) x 1000	620	27,163
	30 HP U-14MF3E8 + U-16MF3E8	85,0	95,0	1842 x 2360 (+60) x 1000	668	28,990
	32 HP U-16MF3E8 + U-16MF3E8	90,0	100,0	1842 x 2360 (+60) x 1000	668	31,002
	34 HP U-8MF3E8 + U-10MF3E8 + U-16MF3E8	96,0	108,0	1842 x 3540 (+120) x 1000	857	34,737
	36 HP U-8MF3E8 + U-12MF3E8 + U-16MF3E8	101,0	113,0	1842 x 3540 (+120) x 1000	881	36,307
	38 HP U-10MF3E8 + U-12MF3E8 + U-16MF3E8	107,0	119,0	1842 x 3540 (+120) x 1000	882	37,255
	40 HP U-8MF3E8 + U-16MF3E8 + U-16MF3E8	113,0	127,0	1842 x 3540 (+120) x 1000	929	40,146
	42 HP U-10MF3E8 + U-16MF3E8 + U-16MF3E8	118,0	132,0	1842 x 3540 (+120) x 1000	930	41,094
	44 HP U-12MF3E8 + U-16MF3E8 + U-16MF3E8	124,0	138,0	1842 x 3540 (+120) x 1000	954	42,664
	46 HP U-14MF3E8 + U-16MF3E8 + U-16MF3E8	130,0	145,0	1842 x 3540 (+120) x 1000	1002	44,491
	48 HP U-16MF3E8 + U-16MF3E8 + U-16MF3E8	135,0	150,0	1842 x 3540 (+120) x 1000	1002	46,503

Piping information									
Outdoor unit	HP	18	20	22	24	26	28	30	32
Piping diameter (liquid)	Inch	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	5/8 / 3/4	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8
Piping diameter (discharge)	Inch	7/8 / 1 1/8	7/8 / 1 1/8	1 1/8	1 1/8	1 1/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8
Piping diameter (suction)	Inch	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

Outdoor unit	HP	34	36	38	40	42	44	46	48
Piping diameter (liquid)	Inch	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8	3/4 / 7/8
Piping diameter (discharge)	Inch	1 1/8 / 1 3/8	1 1/8 / 1 3/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8	1 3/8 / 1 5/8
Piping diameter (suction)	Inch	1 3/8 / 1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

VRF Systems indoor units

U2 type 4 way 90x90 cassette · R32 / R410A

Upgraded nanoe™ X (Generator Mark 3).

Advanced Econavi functions available (optional).

Panel (H x W x D / net weight): 33,5 x 950 x 950 mm / 5 kg.

Standard panel.
White (RAL9003): CZ-KPU3W
Graphite black (RAL9011): CZ-KPU3B

Econavi panel.
White (RAL9003): CZ-KPU3AW



Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	H x W x D mm		
1ph	2,2 kW	S-22MU2E5C	2,2	2,5	256 x 840 x 840	20	1,432
	2,8 kW	S-28MU2E5C	2,8	3,2	256 x 840 x 840	20	1,464
	3,6 kW	S-36MU2E5C	3,6	4,2	256 x 840 x 840	20	1,506
	4,5 kW	S-45MU2E5C	4,5	5,0	256 x 840 x 840	20	1,591
	5,6 kW	S-56MU2E5C	5,6	6,3	256 x 840 x 840	20	1,670
	6,0 kW	S-60MU2E5C	6,0	7,1	256 x 840 x 840	20	1,697
	7,3 kW	S-73MU2E5C	7,3	8,0	256 x 840 x 840	20	1,728
	9,0 kW	S-90MU2E5C	9,0	10,0	256 x 840 x 840	20	1,883
	11,2 kW	S-112MU2E5C	11,2	14,0	319 x 840 x 840	25	2,040
	14,0 kW	S-140MU2E5C	14,0	16,0	319 x 840 x 840	25	2,282
	16,0 kW	S-160MU2E5C	16,0	18,0	319 x 840 x 840	25	2,471

Piping information													
Indoor unit R32	kW	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	11,2	14,0	16,0	
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	
Indoor unit R410A	kW	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	11,2	14,0	16,0	
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	

Y3 type 4 way 60x60 cassette · R32 / R410A

nanoe™ X (Generator Mark 3).

Stylish and full flat panel.

Panel (H x W x D / net weight): 30 x 625 x 625 mm / 2,8 kg.

Panels.
White (RAL9003): CZ-KPY4W
Graphite black (RAL9011): CZ-KPY4B



Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	H x W x D mm	kg	€
1ph	1,5 kW	S-15MY3EB	1,5	1,7	243 x 575 x 575	15	1,357
	2,2 kW	S-22MY3EB	2,2	2,5	243 x 575 x 575	15	1,387
	2,8 kW	S-28MY3EB	2,8	3,2	243 x 575 x 575	15	1,419
	3,6 kW	S-36MY3EB	3,6	4,2	243 x 575 x 575	15	1,448
	4,5 kW	S-45MY3EB	4,5	5,0	243 x 575 x 575	15	1,544
	5,6 kW	S-56MY3EB	5,6	6,3	243 x 575 x 575	15	1,681

Piping information							
Indoor unit	kW	1,5	2,2	2,8	3,6	4,5	5,6
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2

White and graphite black panels available for the 4 way 90x90 and 60x60 cassettes, offering versatile options for commercial applications.



**Standard panel,
white (RAL9003).**

CZ-KPU3



**Standard panel,
graphite black (RAL9011).**

CZ-KPU3B



**Panel,
white (RAL9003).**

CZ-KPY4W



**Panel,
graphite black (RAL9011).**

CZ-KPY4B

**Econavi panel,
white (RAL9003).**

CZ-KPU3A

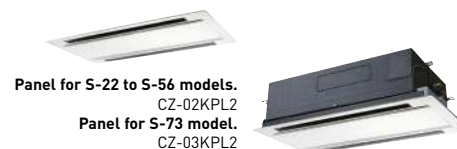
VRF Systems indoor units

L1 type 2 way cassette - R410A

Simple and easy maintenance.

Auto flat control depending on the operation mode.

Panel (HxWxD / net weight): 8x1060x680 mm / 8 kg.



Indoor unit			Nominal capacity		Dimension	Weight	RRP £
			Cooling kW	Heating kW	H x W x D mm	kg	
1ph	2,2 kW	S-22ML1E5	2,2	2,5	350 x 840 x 600	26	1,839
	2,8 kW	S-28ML1E5	2,8	3,2	350 x 840 x 600	26	1,869
	3,6 kW	S-36ML1E5	3,6	4,2	350 x 840 x 600	26	1,955
	4,5 kW	S-45ML1E5	4,5	5,0	350 x 840 x 600	26	2,190
	5,6 kW	S-56ML1E5	5,6	6,3	350 x 840 x 600	26	2,235
	7,3 kW	S-73ML1E5	7,3	8,0	350 x 1140 x 600	26	2,379

Piping information							
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6	7,3
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8

D1 type 1 way cassette - R410A

Suitable for standard and high ceilings.

Easy to installation and maintenance.

Panel (HxWxD / net weight): 20x1230x800 mm / 7,5 kg.



Indoor unit			Nominal capacity		Dimension	Weight	RRP £
			Cooling kW	Heating kW	H x W x D mm	kg	
1ph	2,8 kW	S-28MD1E5	2,8	3,2	200 x 1000 x 710	23,5	1,986
	3,6 kW	S-36MD1E5	3,6	4,2	200 x 1000 x 710	23,5	2,074
	4,5 kW	S-45MD1E5	4,5	5,0	200 x 1000 x 710	23,5	2,139
	5,6 kW	S-56MD1E5	5,6	6,3	200 x 1000 x 710	23,5	2,178
	7,3 kW	S-73MD1E5	7,3	8,0	200 x 1000 x 710	24,5	2,373

Piping information							
Indoor unit	kW	2,8	3,6	4,5	5,6	7,3	
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	

Bringing nature's balance indoors.

All R32 air to air indoor units are equipped with nanoe™ X (Generator Mark 3) for improved indoor air quality.

The nanoe X Generator Mark 3 produces the highest amount of hydroxyl radicals in nanoe™ history, generating 100 times more than traditional nanoe™. This increased concentration enhances nanoe™'s cleaning power, delivering superior performance.

nanoe™ X



Y3 type 4 way 60x60 cassette



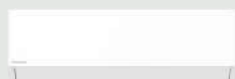
U2 type 4 way 90x90 cassette



F3 type variable static pressure adaptive duct



M2 type slim variable static pressure hide-away



K3 type wall-mounted



P2 type floor-standing
R2 type concealed floor-standing

Bacteriophage inhibition 99% in 4 hours at the room size 139 m² 1)

1) [Test organisation] SGS Inc. [Test subject] Adhesive virus (bacteriophage) [Test volume] 139 m² [Test result] Inhibited 99% in 4 hours [Device type] nanoe X Generator Mark 3, Internal unit: 4 way cassette.

VRF Systems indoor units

F3 type variable static pressure adaptive duct · R32 / R410A

nanoe™ X (Generator Mark 3).

2 installation possibilities (horizontal / vertical) with high ESP Maximum 150 Pa.



Indoor unit		Nominal capacity		External static pressure	Dimension	Weight	RRP	
		Cooling kW	Heating kW					H x W x D mm
1ph	1,5 kW	S-15MF3E5D	1,5	1,7	30 (10-150)	250 x 800 x x 730	26	1,386
	2,2 kW	S-22MF3E5D	2,2	2,5	30 (10-150)	250 x 800 x x 730	26	1,474
	2,8 kW	S-28MF3E5D	2,8	3,2	30 (10-150)	250 x 800 x x 730	26	1,505
	3,6 kW	S-36MF3E5D	3,6	4,2	30 (10-150)	250 x 800 x x 730	26	1,534
	4,5 kW	S-45MF3E5D	4,5	5,0	30 (10-150)	250 x 800 x x 730	26	1,597
	5,6 kW	S-56MF3E5D	5,6	6,3	30 (10-150)	250 x 800 x x 730	26	1,656
	6,0 kW	S-60MF3E5D	6,0	7,1	30 (10-150)	250 x 1000 x x 730	31	1,801
	7,3 kW	S-73MF3E5D	7,3	8,0	30 (10-150)	250 x 1000 x x 730	31	1,845
	9,0 kW	S-90MF3E5D	9,0	10,0	40 (10-150)	250 x 1000 x x 730	31	1,935
	11,2 kW	S-112MF3E5D	11,2	12,5	50 (10-150)	250 x 1400 x x 730	40	2,168
	14,0 kW	S-140MF3E5D	14,0	16,0	50 (10-150)	250 x 1400 x x 730	40	2,296
	16,0 kW	S-160MF3E5D	16,0	18,0	50 (10-150)	250 x 1400 x x 730	40	2,489

Piping information													
Indoor unit R32	kW	1,5	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	11,2	14,0	16,0
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8
Indoor unit R410A	kW	1,5	2,2	2,8	3,6	4,5	5,6	6,0	7,3	9,0	11,2	14,0	16,0
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8

M2 type slim variable static pressure hide-away concealed duct · R32 / R410A

nanoe™ X (Generator Mark 3).

Ultra-slim profile: 200 mm for all capacities.

Ideal for hotel application with very narrow false ceilings.



Indoor unit			Nominal capacity		External static pressure	Dimension	Weight	RRP
			Cooling kW	Heating kW				
1ph	1,0 kW	S-10MM2EB	1,0	1,3	10 (30)	200 x 700 x 450	17	1,050
	1,5 kW	S-15MM2EB	1,5	1,7	10 (30)	200 x 700 x 450	17	1,050
	2,2 kW	S-22MM2EB	2,2	2,5	10 (30)	200 x 700 x 450	17	1,061
	2,8 kW	S-28MM2EB	2,8	3,2	15 (30)	200 x 700 x 450	17	1,094
	3,6 kW	S-36MM2EB	3,6	4,2	15 (40)	200 x 700 x 450	17	1,139
	4,5 kW	S-45MM2EB	4,5	5,0	15 (40)	200 x 900 x 450	19	1,186
	5,6 kW	S-56MM2EB	5,6	6,3	15 (40)	200 x 900 x 450	19	1,242

Piping information								
Indoor unit	kW	1,0	1,5	2,2	2,8	3,6	4,5	5,6
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2

E2 type high static pressure hide-away · R410A

High pressure duct and 100% Fresh air duct function.

Complete flexibility for ductwork design.

* Optional Rap valves required.



Indoor unit			100% Fresh air duct function			High pressure duct				RRP	
			Nominal capacity		External static pressure Pa	Nominal capacity		External static pressure Pa	Dimension	Weight	
			Cooling kW	Heating kW		Cooling kW	Heating kW		H x W x D mm	kg	
1ph	22,4 kW	S-224ME2E5	22,4	21,2	200	22,4	25,0	140 [60 - 270] ¹⁾	479 x 1453 x 1205	102	5,937
	28,0 kW	S-280ME2E5	28,0	26,5	200	28,0	31,5	140 [72 - 270] ¹⁾	479 x 1453 x 1205	106	6,379

Piping information								
Indoor unit	kW	22,4	28,0					
Piping diameter (liquid - gas)	Inch	3/8 - 3/4	3/8 - 7/8					

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. * No filter included. ** No compatible with 3-Pipe ECO G GF3.

VRF Systems indoor units

K3 type wall-mounted · R32 / R410A

nanoe™ X (Generator Mark 3).

Modern, flat design with a stylish matte white finish.

Improved fan serviceability.



nanoe™ X

Indoor unit	Nominal capacity		Dimension H x W x D mm	Weight kg	RRP £
	Cooling kW	Heating kW			
1ph	1,5 kW S-15MK3E	1,7	295 x 890 x 244	12	803
	2,2 kW S-22MK3E	2,5	295 x 890 x 244	12	831
	2,8 kW S-28MK3E	3,2	295 x 890 x 244	12	830
	3,6 kW S-36MK3E	4,2	295 x 890 x 244	12	871
	4,5 kW S-45MK3E	5,0	295 x 890 x 244	12	999
	5,6 kW S-56MK3E	6,3	295 x 1060 x 249	14	1,051
	7,3 kW S-73MK3E	8,0	295 x 1060 x 249	14	1,234
	10,6 kW S-106MK3E	10,6	295 x 1060 x 249	14	1,266

Piping information

Indoor unit	kW	1,5	2,2	2,8	3,6	4,5	5,6	7,3	10,6
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8

1) When the piping diameter is (liquid) Ø1/4 (6,35) - (gas) Ø1/2 (12,70), connect the liquid socket tube (Ø1/4 (6,35) - Ø3/8 (9,52)) to the liquid tubing side indoor unit and connect the gas socket tube (Ø1/2 (12,70) - Ø5/8 (15,88)) to the gas tubing side indoor unit.

T2 type ceiling · R410A

Large and wide air distribution good for big rooms.

All units just 235 mm high.

Horizontal air flow reaches maximum 9,5 m.



Indoor unit	Nominal capacity		Dimension H x W x D mm	Weight kg	RRP £
	Cooling kW	Heating kW			
1ph	3,6 kW S-36MT2E5A	4,2	235 x 960 x 690	27	1,545
	4,5 kW S-45MT2E5A	5,0	235 x 960 x 690	27	1,624
	5,6 kW S-56MT2E5A	6,3	235 x 960 x 690	27	1,703
	7,3 kW S-73MT2E5A	8,0	235 x 1275 x 690	33	1,776
	10,6 kW S-106MT2E5A	11,4	235 x 1590 x 690	40	2,164
	14,0 kW S-140MT2E5A	16,0	235 x 1590 x 690	40	2,473

Piping information

Indoor unit	kW	3,6	4,5	5,6	7,3	10,6	14,0
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8

Extensive R32 range to meet any project requirements.

- All compatible air to air indoor units are equipped with nanoe™ X for improved indoor air quality
- A range of ventilations including ERVs and AHU connection kits
- A wide range of connectivity options, including stand-alone, central, and remote monitoring, with BMS integration for seamless operation.



VRF Systems indoor units

G1 type floor console - R410A

nanoe™ X (Generator Mark 1).
Modern design with slim depth.
Self-cleaning function available.

nanoeX



Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	H x W x D mm	kg	£
1ph	2,2 kW	S-22MG1E5N	2,2	2,5	600 x 750 x 207	14	1,576
	2,8 kW	S-28MG1E5N	2,8	3,2	600 x 750 x 207	14	1,656
	3,6 kW	S-36MG1E5N	3,6	4,2	600 x 750 x 207	14	1,742
	4,5 kW	S-45MG1E5N	4,5	5,0	600 x 750 x 207	14	1,839
	5,6 kW	S-56MG1E5N	5,6	6,3	600 x 750 x 207	14	1,978

Piping information							
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6	
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	

NEW! P2 type floor-standing - R32 / R410A

nanoe™ X (Generator Mark 3).
Easy to install.
Effective perimeter handling.

NEW



Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	HxWxD mm	kg	£
1ph	2,2 kW	S-22MP2E5	2,2	2,5	615x1060x210	29	1,574
	2,8 kW	S-28MP2E5	2,8	3,2	615x1060x210	29	1,577
	3,6 kW	S-36MP2E5	3,6	4,2	615x1060x210	29	1,615
	4,5 kW	S-45MP2E5	4,5	5,0	615x1460x210	38	1,836
	5,6 kW	S-56MP2E5	5,6	6,3	615x1460x210	38	1,856
	7,3 kW	S-71MP2E5	7,1	8,0	615x1460x210	38	1,957

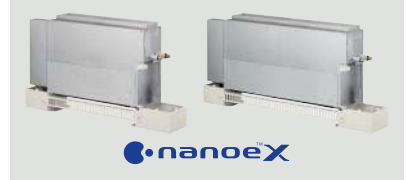
Piping information							
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6	7,3
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8 ¹⁾

1) When the piping diameter is (liquid) Ø1/4 (6,35) - (gas) Ø1/2 (12,70), connect the liquid socket tube (Ø1/4 (6,35) - Ø3/8 (9,52)) to the liquid tubing side indoor unit and connect the gas socket tube (Ø1/2 (12,70) - Ø5/8 (15,88)) to the gas tubing side indoor unit.

NEW! R2 type concealed floor-standing - R32 / R410A

nanoe™ X (Generator Mark 3).
Chassis unit for discreet installation.
Just 200 mm depth. Easy to install.

NEW



Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	HxWxD mm	kg	£
1ph	2,2 kW	S-22MR2E5	2,2	2,5	595x1060x200	21	1,363
	2,8 kW	S-28MR2E5	2,8	3,2	595x1060x200	21	1,442
	3,6 kW	S-36MR2E5	3,6	4,2	595x1060x200	21	1,528
	4,5 kW	S-45MR2E5	4,5	5,0	595x1460x200	28	1,612
	5,6 kW	S-56MR2E5	5,6	6,3	595x1460x200	28	1,732
	7,3 kW	S-71MR2E5	7,1	8,0	595x1460x200	28	1,765

Piping information							
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6	7,3
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 5/8 ¹⁾

1) When the piping diameter is (liquid) Ø1/4 (6,35) - (gas) Ø1/2 (12,70), connect the liquid socket tube (Ø1/4 (6,35) - Ø3/8 (9,52)) to the liquid tubing side indoor unit and connect the gas socket tube (Ø1/2 (12,70) - Ø5/8 (15,88)) to the gas tubing side indoor unit.

VRF Systems indoor units

Hydrokit for ECOi, water at 45 °C · R410A

Maximum hot water outlet temperature: 45 °C.

Compatible with 3-Pipe ECOi (VRF) System up to 48 HP.



Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling kW	Heating kW	H x W x D mm	kg	
1ph	8,0 kW	S-80MW1E5	8,0	9,0	892 x 502 x 353	43	3,492
	12,5 kW	S-125MW1E5	12,5	14,0	892 x 502 x 353	43	4,189
Piping information							
Indoor unit			kW	8,0	12,5		
Piping diameter (liquid - gas)			Inch	3/8 - 3/8	3/8 - 3/8		

Energy recovery ventilation with DX coil - HRPT Series · R32 / R410A

Dual flow ventilation with EC fan, featuring high efficiency heat recovery (>85% η).

2 types of polystyrene heat exchanger (high efficiency and sensible) with counter-current flows and integrated bypass as standard.

Modbus connection available.



Indoor unit		Heat exchanger option	Heat recovery ventilation ¹⁾						DX coil ²⁾				RRP
			Temperature efficiency		Enthalpy efficiency		Air flow	External static pressure	Total / Sensible capacity		Dimension	Weight	
			Cool %	Heat %	Cool %	Heat %	Nominal m³/h	High Pa	Cool kW	Heat kW	H x W x D mm	kg	
1ph	PAW-HRPT40HX	High efficiency	63	77	52	53	400	150	3,5	3,7	286 x 1003 x 1409	69,2	5,409
	PAW-HRPT40	Sensible	85	85	—	—	400	150	3,5/1,8	3,7	286 x 1003 x 1409	66	4,021
	PAW-HRPT80HX	High efficiency	60	74	48	49	800	150	6,6	7,8	425 x 1226 x 1730	113,5	7,068
	PAW-HRPT80	Sensible	84	85	—	—	800	150	6,6/3,4	7,8	425 x 1226 x 1730	108,5	5,333
	PAW-HRPT120HX	High efficiency	61	75	50	51	1200	150	13,2	14,5	425 x 1628 x 1730	150	9,389
	PAW-HRPT120	Sensible	85	85	—	—	1200	150	13,2/6,8	14,5	425 x 1628 x 1730	142,5	6,729
	PAW-HRPT160HX	High efficiency	62	76	50	51	1600	150	15,3	17,2	425 x 2030 x 1730	184	11,471
	PAW-HRPT160	Sensible	85	85	—	—	1600	150	15,3/8,0	17,2	425 x 2030 x 1730	174	7,885
3ph	PAW-HRPT200HX	High efficiency	59	73	47	48	2000	150	16,4	19,3	425 x 2030 x 1730	194	13,437
	PAW-HRPT200	Sensible	84	84	—	—	2000	150	16,4/8,5	19,3	425 x 2030 x 1730	184	9,967

Piping information							
Indoor unit	Size	40	80	120	160	200	
Piping diameter (liquid)	Inch	1/4	3/8	1/2	3/4	1	
Piping diameter (gas)	Inch	1/2	3/8	1/2	3/4	1	

Electrical information							
				Single phase			Three phase
Indoor unit	Size	40	80	120	160	200	200
Maximum input current	A	1,5	2,2	4,1	4,4	3,3	3,3

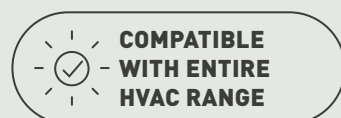
1) Data refers to the following conditions (UNI EN 13141-7): nominal air flow, external air 5 °C with 72% r. / expelled air 25 °C with 28% r. 2) Data refers to the following conditions: nominal air flow, cooling inlet coil summer 27 °C with 48% / heating inlet coil winter 20 °C with 50% r. * Image is for PAW-HRPT40.

Commercial Smart Edge.

Manage the entire Panasonic HVAC portfolio from a single platform – on-site or remotely, 24/7.

Model code	Control points	Indoor unit connections ¹⁾
PAW-CSE-1B	100	4
PAW-CSE-2B	200	10
PAW-CSE-5B	500	25
PAW-CSE-10	1000	50
PAW-CSE-2B0	2000	100

1) The final number of connected indoor units may vary depending on the range. * For the detail information, please contact an authorised Panasonic dealer.



COMPATIBLE
WITH ENTIRE
HVAC RANGE



SIMPLIFIED
COMMISSIONING



OPTIMISED
PLANT
MANAGEMENT



ADVANCED
ANALYTICS



P-Smart Edge.

Smart control solution to manage the entire Panasonic HVAC range (Aquarena, RAC, PACi NX, ECOi and ECOi-W) from a single platform.



P-Smart Nexus.

Smart multi-site online control which allows a remote global supervision of all your sites.



ECOi compatible models

Indoor units		U2 type 4 way 90x90 cassette	Y3 type 4 way 60x60 cassette	L1 type 2 way cassette	D1 type 1 way cassette	F3 type adaptive duct	M2 type slim duct	E2 type high static pressure hide- away	K3 type wall- mounted	T2 type ceiling	G1 type floor console	P2 type floor standing	R2 type concealed floor standing	Hydrokit water at 45 °C	Water heat exchanger
															
		R32/ R410A	R32/ R410A	R410A	R410A	R32/ R410A	R32/ R410A	R410A	R32/ R410A	R410A	R410A	R32/ R410A	R32/ R410A	R410A	R410A
Outdoor units		S-**-MU2ESC	S-**-MY3EB	S-**-ML1E5	S-**-MD1E5	S-**-MF3E5D	S-**-MM2EB	S-**-ME2E5	S-**-MK3E	S-**-MT2E5A	S-**-MG1E5N	S-**-MP2E5	S-**-MP2E5	S-**-MW1E5	PAW-**(P)5G
R32	LZ2	U-*.LZ2E5/8	✓	✓		✓	✓		✓			✓	✓		
	MZ1	U-*.MZ1E8	✓	✓		✓	✓		✓			✓	✓		
	MF4	U-*.MF4E8	✓	✓		✓	✓		✓			✓	✓		
R410A	LE2	U-*.LE2E5/8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	LE1	U-*.LE1E8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	ME2	U-*.ME2E8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
	MF3	U-*.MF3E8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Ventilation		HRPT Series Energy recovery ventilation with DX coil		AHU connection kit		Air curtain with DX coil
						
		R32/R410A		R32/R410A	R410A	R32/R410A
Outdoor units		PAW-HRPT** PAW-HRPT**HX		PAW-P+100MAH4M	PAW-**MAH3M	TBC
R32	LZ2	U-*.LZ2E5/8	✓	✓		Coming soon
	MZ1	U-*.MZ1E8		✓		✓
	MF4	U-*.MF4E8				✓
R410A	LE2	U-*.LE2E5/8	✓	✓		✓
	LE1	U-*.LE1E8	✓	✓		✓
	ME2	U-*.ME2E8	✓	✓		✓
	MF3	U-*.MF3E8	✓		✓	✓

R32 ECOi / ECOi EX: Safety measures and accessories			RRP €
	Leak detector for 4 way 90x90 cassettes, 4 way 60x60 cassettes, and wall-mounted units.	CZ-CGLSC2	190
	R32 refrigerant leak alarm designed for adaptive duct, slim duct, floor standing and concealed floor standing.	CZ-CGLALC1	196
	2-pipe safety valve kit.	CZ-P1160SVK	1,085
	3-pipe heat recovery box with safety valve kit.	CZ-P1160SVHR	1,195
	3-pipe heat recovery box.	CZ-P1160HR4	1,136
	External 16 V power supply.	PAW-16DC-ALC1	TBC
	Basic Pump Down system (2 way) for one R32 Mini ECOi outdoor unit	PAW-PUD2WB-1	TBC

R410A ECOi EX: Heat recovery box			RRP €
	3-Pipe control Solenoid valve kit (up to 5,6 kW). KIT-P56HR3 CZ-P56HR3 + CZ-CAPE2.		581
	3-Pipe control Solenoid valve kit (from 5,6 to 16,0 kW). KIT-P160HR3 CZ-P160HR3 + CZ-CAPE2.		681
	Solenoid valve kit (up to 5,6 kW). CZ-P56HR3		472
	Solenoid valve kit (from 5,6 kW to 16,0 kW). CZ-P160HR3		572
	3-Pipe control PCB. CZ-CAPE2		109
	3-Pipe control PCB for wall-mounted. CZ-CAPEK2		119
	4 ports 3 pipe box (up to 5,6 kW per port). CZ-P456HR3		2,866
	6 ports 3 pipe box (up to 5,6 kW per port). CZ-P656HR3		3,933
	8 ports 3 pipe box (up to 5,6 kW per port). CZ-P856HR3		5,359
	4 ports 3 pipe box (up to 16,0 kW per port). CZ-P4160HR3		3,195

Leak detection and automatic Pump Down for R410A refrigerant			RRP €
	Pump Down system (2 way) for 1 outdoor unit.	PAW-PUD2W-1R	12,426
	Pump Down system (2 way) for 2 outdoor units.	PAW-PUD2W-2R	13,072
	Pump Down system (2 way) for 3 outdoor units.	PAW-PUD2W-3R*	14,365
	Pump Down system (3 way) for 1 outdoor unit.	PAW-PUD3W-1R	12,426
	Pump Down system (3 way) for 2 outdoor units.	PAW-PUD3W-2R	13,072
	Pump Down system (3 way) for 3 outdoor units.	PAW-PUD3W-3R*	14,365

* Special order requiring the longer lead time than usual. For the detailed information, please contact an authorized Panasonic dealer.

Distribution joint kits			RRP €
	2-Pipe MZ1/ME2 for outdoor units (up to 68,0 kW).	CZ-P680PH2BM	190
	2-Pipe MZ1/ME2 for outdoor units (from 68,0 kW to 168,0 kW).	CZ-P1350PH2BM	260
	2-Pipe MZ1/ME2 and Mini ECOi for indoor units (up to 22,4 kW*).	CZ-P224BK2BM	109
	2-Pipe MZ1/ME2 for indoor units (from 22,4 kW to 68,0 kW*).	CZ-P680BK2BM	179
	2-Pipe MZ1/ME2 for indoor units (from 68,0 kW to 168,0 kW*).	CZ-P1350BK2BM	243
	3-Pipe MF4/MF3 for outdoor units (up to 68,0 kW).	CZ-P680PJ2BM	323
	3-Pipe MF4/MF3 for outdoor units (from 68,0 kW to 135,0 kW).	CZ-P1350PJ2BM	552
	3-Pipe MF4/MF3 for indoor units (up to 22,4 kW).	CZ-P224BH2BM	128
	3-Pipe MF4/MF3 for indoor units (from 22,4 kW to 68,0 kW).	CZ-P680BH2BM	318
	3-Pipe MF4/MF3 for indoor units (up to 68,0 kW).	CZ-P1350BH2BM	336
	2-Pipe MZ1/ME2 header pipe.	CZ-P4HP4C2BM	298
	3-Pipe MF4/MF3 header pipe.	CZ-P4HP3C2BM	203

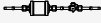
* In case the total capacity of indoor units connected after distribution exceeds the total capacity of the outdoor units, select the distribution piping size for the total capacity of the outdoor units.

Panels			RRP €
	Standard panel for 4 way 90x90 cassette, white (RAL9003).	CZ-KPU3	242
	Econavi panel for 4 way 90x90 cassette, white (RAL9003).	CZ-KPU3A	328
	Standard panel for 4 way 90x90 cassette, graphite black (RAL9011).	CZ-KPU3B	242
	Panel for 4 way 60x60 cassette, white (RAL9003).	CZ-KPY4W	266
	Panel for 4 way 60x60 cassette, graphite black (RAL9011).	CZ-KPY4B	266
	Panel for 2 way cassette (for S-22 to S-56 models).	CZ-02KPL2	427
	Panel for 2 way cassette (for S-73 model).	CZ-03KPL2	507
	Panel for 1 way cassette.	CZ-KPD2	450
Sensors			RRP €
	Econavi energy saving sensor.	CZ-CENSC1	179
	Remote temperature sensor.	CZ-CSRC3	129
	Cassette fresh air-intake kit.	CZ-FDU3+CZ-ATU2	TBC

Plenums			RRP €
	Air outlet plenum for MF3 15, 22, 28, 36, 45 and 56.	CZ-56DAF2	203
	Air outlet plenum for MF3 60, 73 and 90.	CZ-90DAF2	249
	Air outlet plenum for MF3 106, 112, 140 and 160.	CZ-160DAF2	286
Valves			RRP €
	Rap valve kit.	CZ-P160RVK2	690
	Wall-mounted external valve for model sizes 15 to 73.	CZ-P73SVK3	173
	Wall-mounted external valve for model size 106.	CZ-P106SVK3	289
* A 3/8" to 1/4" reducer is required when combining the S-73MK3E with ECOi EX R410A outdoor units (ME2 and MF3).			
Individual controls			RRP €
	CONEX wired remote controller (non-wireless), white.	CZ-RTC6W	172
	CONEX wired remote controller with Bluetooth®, white.	CZ-RTC6WBL	203
	CONEX wired remote controller with Wi-Fi and Bluetooth®, white.	CZ-RTC6WBLW2 ¹⁾	286
	CONEX wired remote controller (non-wireless), black.	CZ-RTC6	172
	CONEX wired remote controller with Bluetooth®, black.	CZ-RTC6BL	203
	CONEX wired remote controller with Wi-Fi and Bluetooth®, black.	CZ-RTC6BLW2 ¹⁾	286
	Design wired remote controller with Econavi function.	CZ-RTC5B	172
	Infrared remote controller and receiver for 4 way 60x60 cassette with white panel (RAL9003).	CZ-RWS3 + CZ-RWRV3W	256
	Infrared remote controller and receiver for 4 way 90x90 cassette.	CZ-RWS3 + CZ-RWRU3	328
	Infrared remote controller and receiver for 2 way cassette.	CZ-RWS3 + CZ-RWRL3	328
	Infrared remote controller and receiver for 1 way cassette.	CZ-RWS3 + CZ-RWRD3	328
	Infrared remote controller and receiver for ceiling.	CZ-RWS3 + CZ-RWRT3	328
	Infrared remote controller for wall-mounted and floor console.	CZ-RWS3	129
	Infrared remote controller and receiver for all indoor units.	CZ-RWS3 + CZ-RWRC3	328
Controller and touch controllers for hotels with dry contacts			RRP €
	Modbus RS-485 touch room controller with I/O, white.	PAW-RE2C4-MOD-WH	523
	Touch display control with 2 digital inputs, white.	PAW-RE2D4-WH	319
	Modbus RS-485 touch room controller with I/O, black.	PAW-RE2C4-MOD-BK	523
	Touch display control with 2 digital inputs, black.	PAW-RE2D4-BK	319

Sensors for hotel controllers			RRP £
	Wall motion sensor 24 V.	PAW-WMS-DC	220
	Wall motion sensor 240 V AC.	PAW-WMS-AC	220
	Ceiling motion sensor 24 V.	PAW-CMS-DC	220
	Ceiling motion sensor 240 V AC.	PAW-CMS-AC	220
	Power supply 24 V.	PAW-24DC	71
	Door or window contact.	PAW-DWC	24
Centralised controls			RRP £
	System controller for 64 indoor units with weekly timer.	CZ-64ESMC3	897
	Central ON / OFF controller, up to 16 groups, 64 indoor units.	CZ-ANC3	608
	Intelligent controller (touch screen/web server) to control up to 256 indoors with included load distribution ratio (LDR).	CZ-256ESMC3	3,359
Commercial Smart Edge			RRP £
	Gateway for Commercial Smart Edge – supports up to 4 indoor unit connections.	PAW-CSE-1B	TBC
	Gateway for Commercial Smart Edge – supports up to 10 indoor unit connections.	PAW-CSE-2B	TBC
	Gateway for Commercial Smart Edge – supports up to 25 indoor unit connections.	PAW-CSE-5B	TBC
	Gateway for Commercial Smart Edge – supports up to 50 indoor unit connections.	PAW-CSE-10	TBC
	Gateway for Commercial Smart Edge – supports up to 100 indoor unit connections.	PAW-CSE-2B0	TBC
BMS interface with S-Link			RRP £
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 16 indoor units.	PAW-AC2-BMS-16	2,620
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 64 indoor units.	PAW-AC2-BMS-64	3,760
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 128 indoor units.	PAW-AC2-BMS-128	5,034

Accessories interfaces			RRP £
	Commercial Wi-Fi Adaptor.	CZ-CAPWFC2	207
	DIN rail-mounted KNX interface.	PAW-RC2-KNX-1i	408
	DIN rail-mounted Modbus RTU interface.	PAW-RC2-MBS-1	408
	Modbus RTU interface to control 4 indoor/groups.	PAW-RC2-MBS-4	944
	BACnet IP and MSTP.	PAW-RC2-BAC-1	674
	KNX interface.	PAW-AZRC-KNX-1	348
	Modbus RTU interface with 12 V DC power supply.	PAW-AZRC-MBS-1	348
	BACnet IP and MSTP interface.	PAW-AZRC-BAC-1	634
	RAC interface adapter for integration into S-Link, plus external input and alarm/status output.	CZ-CAPRA1	194
Centralised controls. Connection with general equipment			RRP £
	Adaptor for ON / OFF control of external devices.	CZ-CAPC4	387
	Demand control for Mini ECOi (LZ2, LE2).	CZ-CAPDC3	697
	Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.	CZ-CAPBC2	324
	Communication Adaptor. Up to 128 groups. Controls 128 units.	CZ-CFUNC2	1,413
Accessories PCB and cables			RRP £
	T10 interface PCB with digital and relay connections.	PAW-T10	59
	Cable for all the T10 functions.	CZ-T10	59
	Cable to operate external EC fan and EC fan and EXCT for use with PAW-OPT-MZ.	PAW-FDC	59
	Cable for all option monitoring signals.	PAW-OCT	59
	Cable with force thermo OFF/leakage detection.	PAW-EXCT	59
	PCB connector for OPT functions, compatible with ECOi indoor units type MM2, MK3, MP2 and MR2.	PAW-OPT-MZ	12

R-22 Replacement Kit			RRP £
	Replacement kit for R-22.	CZ-SLK2	420
Water heat exchanger accessories			RRP £
	Stacking kit for vertically stacking up to 3 WHE (4 pieces per Kit).	PAW-3WSK	216

Commercial ventilation

Panasonic ventilation solutions for better air quality, maximum savings, easy integration.

NEW

Air curtain with DX coil, connected to PACi NX systems - R32.

- Advanced defrost control without disrupting the air curtain effect or causing cold drafts
- Three installation options: suspended, cassette, or built-in
- Quiet operation

AHU connection kit MAH4M for ECOi 2-Pipe.

- Space-saving compact casing
- Direct Modbus communication without the need for an additional interface
- Accurate control with a pressure transducer

Advanced energy recovery ventilation – ZY Series.

Extended line-up covering 2000 m³/h model meet variety of commercial use.

- F7 grade filter built-in all models
- Independent motors equipped for air supply/exhaust
- Easily adjust air volume balance – 4 speeds setting for air supply / exhaust
- Intuitive control design
- BMS connection available (RS485 built-in controller)

ERV with DX coil – HRPT Series.

- Dual flow ventilation with EC fan, featuring high efficiency heat recovery (>85% η)
- 2 types of polypropylene heat exchanger (high efficiency and sensible) with counter-current flows and integrated bypass as standard
- Modbus connection available

Air curtain with DX coil.

- Line-up available for PACi NX and VRF system
- Compatible with R32 and R410A refrigerants
- Simple structure for easy installation and maintenance

Commercial ventilation solutions range

Page	HP	4	5	6	8	10	12	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
------	----	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

AHU connection kit MAH4M for ECOi 2-Pipe

P. 70



PAW-P+100MAH4M

Page	5 HP	10 HP
------	------	-------

AHU connection kit MAH3M for 3-Pipe ECOi EX MF3 Series

P. 72



PAW-160MAH3M

PAW-280MAH3M

Page	2,5 kW	3,6 kW	5,0 kW	6,0 kW	7,5 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
------	--------	--------	--------	--------	--------	---------	---------	---------	---------	---------

AHU connection kit PAH3M-1 for PACi NX

P. 72



PAW-

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

280PAH3M-1

Page	150 m³/h	250 m³/h	350 m³/h	500 m³/h	650 m³/h	800 m³/h	1000 m³/h	1500 m³/h	2000 m³/h
------	----------	----------	----------	----------	----------	----------	-----------	-----------	-----------

Advanced energy recovery ventilation – ZY Series

P. 73



FV-15ZY1G

FV-25ZY1G

FV-35ZY1G

FV-50ZY1G

FV-65ZY1G

FV-80ZY1G

FV-1KZY1G

FV-1HZY1G

FV-2KZY1G

Page	400 m³/h	800 m³/h	1200 m³/h	1600 m³/h	2000 m³/h
------	----------	----------	-----------	-----------	-----------

Energy recovery ventilation with DX coil – HRPT Series

P. 63

PAW-HRPT40HX
PAW-HRPT40PAW-HRPT80HX
PAW-HRPT80PAW-HRPT120HX
PAW-HRPT120PAW-HRPT160HX
PAW-HRPT160PAW-HRPT200HX
PAW-HRPT200

Page	Outdoor unit capacity	5,0 kW	6,0 kW	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
------	-----------------------	--------	--------	--------	---------	---------	---------	---------	---------

NEW! Air curtain with DX coil, connected to PACi NX systems

P. 74



PAW-P2-100R

PAW-P2-100R

PAW-P2-100R

PAW-P2-150R
PAW-P2-200R
PAW-P3-100R
PAW-P3-150RPAW-P2-150R
PAW-P2-200R
PAW-P3-100R
PAW-P3-150RPAW-P2-150R
PAW-P2-200R
PAW-P3-100R
PAW-P3-150RPAW-P2-200R
PAW-P2-250R
PAW-P3-200R
PAW-P3-250RPAW-P2-200R
PAW-P2-250R
PAW-P3-200R
PAW-P3-250R

Page	Outdoor unit capacity
------	-----------------------

NEW! Air curtain with DX coil, connected to VRF systems



Coming soon

Commercial ventilation

AHU connection kit MAH4M for ECOi 2-Pipe · R32

Space-saving compact casing.

Direct Modbus communication without the need for an additional interface.

Accurate control with a pressure transducer.

PAW-P+100MAH4M (H x W x D): 300 x 400 x 150 mm, 11 kg.

R32



AHU connection kit MAH4M for ECOi 2-Pipe			Nominal capacity				Air flow	AHU DX coil heat exchanger volume	RRP	
VRF outdoor unit	AHU connection kit	EEV size [PAW-P+***EEVPACK]	Cooling ¹⁾	Heating ²⁾	Cooling continuous ¹⁾	Heating continuous ²⁾	Min / Max	Min / Max		
			kW	kW	Min	Min				m³/h
Mini ECOi LZ2 Series · R32										
4 HP	U-4LZ2E5(8)	PAW-P+100MAH4M	116EEVPACK	12,0	12,5	6,6	7,4	1100/4000	1,5/5,5	6,672/6,985
5 HP	U-5LZ2E5(8)			14,0	16,0	6,6	7,4	1100/5000	1,5/6,3	6,988/7,604
6 HP	U-6LZ2E5(8)			16,0	17,0	6,6	7,4	1100/5000	1,5/7,0	7,501/ 8,014
8 HP	U-8LZ2E8			22,4	25,0	6,6	7,4	1700/8000	2,0/7,0	9,758
10 HP	U-10LZ2E8	133EEVPACK	28,0	28,0	10,7	12,1	2000/8600	2,0/7,0	10,507	
ECOi EX MZ1 Series · R32										
8 HP	U-8MZ1E8	PAW-P+100MAH4M	116EEVPACK	22,4	25,0	6,6	7,4	1700/10000	2,0/8,5	11,537
10 HP	U-10MZ1E8		133EEVPACK	28,0	31,5	10,7	12,1	2000/10000	2,0/10,0	12,242
12 HP	U-12MZ1E8			33,5	37,5	10,7	12,1	2000/10000	2,0/12,0	14,218
16 HP	2xU-8MZ1E8		145EEVPACK	44,8	50,0	15,9	18,0	3400/16000	4,0/15,0	20,844
18 HP	U-8MZ1E8 + U-10MZ1E8			50,4	56,5	15,9	18,0	3700/20000	4,0/18,0	21,525
20 HP	2xU-10MZ1E8			56,0	63,0	15,9	18,0	4000/20000	4,0/20,0	22,206
22 HP	U-10MZ1E8 + U-12MZ1E8			61,5	69,0	15,9	18,0	4000/20000	4,0/22,0	24,182
24 HP	2xU-12MZ1E8		156EEVPACK	67,0	75,0	23,3	26,3	4000/20000	4,0/24,0	26,447
26 HP	2xU-8MZ1E8 + U-10MZ1E8			72,8	81,5	23,3	26,3	5400/24000	6,0/27,0	31,097
28 HP	U-8MZ1E8 + 2xU-10MZ1E8		174EEVPACK	78,4	88,0	23,3	26,3	5700/26000	6,0/28,5	31,778
30 HP	3xU-10MZ1E8			84,0	94,5	32,8	37,1	6000/30000	6,0/30,0	32,459
32 HP	2xU-10MZ1E8 + U-12MZ1E8			89,5	100,0	32,8	37,1	6000/30000	6,0/32,0	34,435
34 HP	U-10MZ1E8 + 2xU-12MZ1E8			95,0	106,0	32,8	37,1	6000/30000	6,0/34,0	36,411
36 HP	3xU-12MZ1E8			100,0	112,0	32,8	37,1	6000/30000	6,0/36,0	38,387
38 HP	U-8MZ1E8 + 3xU-10MZ1E8			106,0	119,0	32,8	37,1	7700/34000	8,0/38,0	41,742
40 HP	4xU-10MZ1E8			112,0	126,0	32,8	37,1	8000/36000	8,0/40,0	42,423
42 HP	3xU-10MZ1E8 + U-12MZ1E8			117,0	132,0	32,8	37,1	8000/38000	8,0/42,0	44,399
44 HP	2xU-10MZ1E8 + 2xU-12MZ1E8			123,0	138,0	32,8	37,1	8000/40000	8,0/44,0	46,375
46 HP	U-10MZ1E8 + 3xU-12MZ1E8			128,0	144,0	32,8	37,1	8000/40000	8,0/46,0	48,351
48 HP	4xU-12MZ1E8			134,0	150,0	32,8	37,1	8000/40000	8,0/48,0	50,327

Piping information																											
Series		LZ2						MZ1																			
Model	HP	4	5	6	8	10	8	10	12	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
Piping diameter (liquid)	Inch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	5/8	
Piping diameter (gas)	Inch	5/8	5/8	5/8	3/4	7/8	3/4	3/4	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8	
Pipe length range	m	10/60	10/60	10/60	10/70	10/70	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	10/100	
Elevation difference (in / out)	m	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

1) At rated condition with 35 °C DB outdoor and 27 °C DB / 19 °C WB on coil. 2) At rated condition with 7 °C DB / 6 °C WB outdoor and 20 °C DB on coil.

Commercial ventilation

AHU connection kit MAH4M for ECOi 2-Pipe · R410A

Space-saving compact casing.

Direct Modbus communication without the need for an additional interface.

Accurate control with a pressure transducer.

PAW-P+100MAH4M (H x W x D): 300 x 400 x 150 mm, 11 kg.



AHU connection kit MAH4M for ECOi 2-Pipe			Nominal capacity				Air flow	AHU DX coil heat exchanger volume	RRP £	
VRF outdoor unit	AHU connection kit	EEV size [PAW-P+***EEVPACK]	Cooling ¹⁾	Heating ²⁾	Cooling continuous ¹⁾	Heating continuous ²⁾	Min / Max m³/h	Min / Max dm³		
			kW	kW	Min kW	Min kW				
Mini ECOi LE2 Series - R32										
4 HP	U-4LE2E5(8)	PAW-P+100MAH4M	116EEVPACK	12,0	12,5	4,3	5,0	1100/4000	1,5/5,5	6,421/ 6,716
5 HP	U-5LE2E5(8)			14,0	16,0	4,3	5,0	1100/5000	1,5/6,3	6,719/ 7,301
6 HP	U-6LE2E5(8)			16,0	17,0	4,3	5,0	1100/5000	1,5/7,0	7,204/ 7,686
8 HP	U-8LE1E8	133EEVPACK		22,4	25,0	7,0	8,1	1700/8000	2,0/7,0	9,356
10 HP	U-10LE1E8			28,0	31,5	7,0	8,1	2000/8600	2,0/7,0	10,040
ECOi EX ME2 Series - R32										
8 HP	U-8ME2E8	PAW-P+100MAH4M	133EEVPACK	22,4	25,0	7,0	8,1	1700/10000	2,0/10,0	11,300
10 HP	U-10ME2E8			28,0	31,5	7,0	8,1	2000/10000	2,0/10,0	11,963
12 HP	U-12ME2E8			33,5	37,5	7,0	8,1	2000/10000	3,0/17,0	13,883
14 HP	U-14ME2E8	145EEVPACK		40,0	45,0	10,4	12,0	3500/12000	3,0/17,0	15,352
16 HP	U-16ME2E8			45,0	50,0	10,4	12,0	3500/12000	4,0/17,0	16,407
18 HP	U-18ME2E8			50,0	56,0	10,4	12,0	5000/20000	4,0/19,0	18,505
20 HP	2xU-10ME2E8	156EEVPACK		56,0	63,0	15,3	17,5	5000/20000	4,0/19,0	21,937
22 HP	U-10ME2E8 + U-12ME2E8			61,5	69,0	15,3	17,5	6000/24000	5,0/27,0	23,857
24 HP	2xU-12ME2E8			68,0	76,5	21,5	24,7	6000/24000	6,0/34,0	25,777
26 HP	U-10ME2E8 + U-16ME2E8	174EEVPACK		73,0	81,5	21,5	24,7	6000/24000	6,0/27,0	26,381
28 HP	U-12ME2E8 + U-16ME2E8			78,5	87,5	21,5	24,7	6000/25000	6,0/34,0	28,301
30 HP	U-14ME2E8 + U-16ME2E8			85,0	95,0	21,5	24,7	7000/25000	6,0/34,0	29,770
32 HP	2xU-16ME2E8			90,0	100,0	21,5	24,7	7000/25000	6,0/34,0	30,825
34 HP	U-14ME2E8 + U-20ME2E8			96,0	108,0	21,5	24,7	8500/30000	7,0/36,0	32,690

Piping information

Series	LE2						ME2													
Model	HP	4	5	6	8	10	8	10	12	14	16	18	20	22	24	26	28	30	32	34
Piping diameter (liquid)	Inch	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	5/8	5/8	5/8	5/8	3/4	3/4	3/4	3/4	3/4
Piping diameter (gas)	Inch	5/8	5/8	5/8	3/4	7/8	3/4	7/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8	1 3/8	1 3/8	1 3/8	1 3/8
Pipe length range	m	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100	10 / 100
Elevation difference (in / out)	m	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10

1) At rated condition with 35 °C DB outdoor and 27 °C DB / 19 °C WB on coil. 2) At rated condition with 7 °C DB / 6 °C WB outdoor and 20 °C DB on coil.

Optional parts for AHU connection kit MAH4M			RRP €
AHU connection kit sensor pack 1 (2 pcs of SENSOR PT1000 HT IP67 -50/250 CABLE 6 m PCK).			PAW-P+102SENSPACK
EEV pack 1: includes one expansion valve (≤ 16,0 kW [R410A / R32] , one unipolar stator, and two bidirectional filters.			PAW-P+116EEVPACK
EEV pack 2: includes one expansion valve (≤ 33,0 kW [R410A / R32] , one unipolar stator, and two bidirectional filters.			PAW-P+133EEVPACK
EEV pack 3: includes one expansion valve (≤ 45,0 kW [R410A / R32] , one unipolar stator, and two bidirectional filters.			PAW-P+145EEVPACK
EEV pack 4: includes one expansion valve (≤ 61,5 kW [R410A / R32] , one unipolar stator, and two bidirectional filters.			PAW-P+156EEVPACK
EEV pack 5: includes one expansion valve (≤ 96,0 kW [R410A / R32] , one unipolar stator, and two bidirectional filters.			PAW-P+174EEVPACK
Remote control pack (1 pc of PGNE 132 x 64 mm, mounting panel and 1 pc of cable L= 1,5 m, telephone connectors).			PAW-P+100PGNEPACK



Commercial ventilation

AHU connection kit MAH3M for 3-Pipe ECOi EX MF3 Series - R410A

CONEX Bluetooth® version (CZ-RTC6BL) is built-in.
0-10 V demand control.



Reference		Nominal capacity		Air flow	Dimension	Weight	RRP
		Cooling	Heating	Min / Max	H x W x D	kg	
		kW	kW	m³/h	mm		
5 HP	PAW-160MAH3M	14,0	16,0	1140 / 2600	500 x 400 x 150	11,5	1,763
10 HP	PAW-280MAH3M	28,0	31,5	3500 / 5000	500 x 400 x 150	11,5	1,924

Piping information

Model	HP	5	10
Piping diameter (liquid - gas)	Inch	3/8 - 1/2	3/8 - 1/2
Pipe length range	m	10 ~ 100	10 ~ 100
Elevation difference (in / out)	m	10	10

* The value applies to one unit of the AHU connection kit.

AHU connection kit PAH3M-1 for PACi NX

CONEX Bluetooth® version (CZ-RTC6BL) is built-in.
Easy connection and set-up is possible via Bluetooth®.
0-10 V demand control.



Reference		With PACi NX Elite		With PACi NX Standard		Dimension	Weight	RRP
		Nominal capacity		Nominal capacity				
		Cooling	Heating	Cooling	Heating			
		kW	kW	kW	kW	H x W x D mm	kg	£
2,5 kW	PAW-280PAH3M-1	—	—	2,5	3,2	500 x 400 x 150	11,5	1,844
3,6 kW	PAW-280PAH3M-1	3,6	3,6	3,6	3,6	500 x 400 x 150	11,5	
5,0 kW	PAW-280PAH3M-1	5,0	5,0	5,0	5,0	500 x 400 x 150	11,5	
6,0 kW	PAW-280PAH3M-1	6,0	6,0	6,0	6,0	500 x 400 x 150	11,5	
7,5 kW	PAW-280PAH3M-1	7,1	7,5	7,1	7,1	500 x 400 x 150	11,5	
10,0 kW	PAW-280PAH3M-1	10,0	10,8	10,0	10,0	500 x 400 x 150	11,5	
12,5 kW	PAW-280PAH3M-1	12,5	13,5	12,5	12,5	500 x 400 x 150	11,5	
14,0 kW	PAW-280PAH3M-1	14,0	15,5	14,0	14,0	500 x 400 x 150	11,5	
20,0 kW	PAW-280PAH3M-1	19,0	22,4	—	—	500 x 400 x 150	11,5	
25,0 kW	PAW-280PAH3M-1	22,0	24,0	—	—	500 x 400 x 150	11,5	

Piping information

Model	kW	2,5	3,6	5,0	6,0	7,5	10,0	12,5	14,0	20,0	25,0
Piping diameter (liquid - gas)	Inch	1/4 - 1/2	1/4 - 1/2	1/4 - 1/2	3/8 - 1/2	3/8 - 1/2	3/8 - 1/2	3/8 - 1/2	1/2 - 7/8	1/2 - 7/8	1/2 - 7/8
Pipe length range (Standard)	m	3 ~ 15	3 ~ 15	3 ~ 20	3 ~ 40	3 ~ 40	5 ~ 50	5 ~ 50	5 ~ 50	—	—
Pipe length range (Elite)	m	—	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	15	30	30	30	30	30	30	30	30	30

AHU connection kit line-up.

AHU connection kit	Reference	Casing	Controller	0-10 V demand control	Compatible outdoor units
MAH4M	PAW-P+100MAH4M	Durable metal casing (IP 65)	Built-in c.pCO controller	Yes	Mini ECOi and ECOi EX 2-Pipe
MAH3M	PAW-160MAH3M PAW-280MAH3M	Durable metal casing (IP 65)	CONEX Bluetooth® control (CZ-RTC6BL)	Yes	ECOi EX 3-Pipe MF3
PAH3M-1	PAW-280PAH3M-1	Durable metal casing (IP 65)	CONEX Bluetooth® control (CZ-RTC6BL)	Yes	PACi NX

Commercial ventilation

Advanced energy recovery ventilation – ZY Series

Extended 9 model line-up including 2000 m³/h model.

F7 grade filter built-in as a standard.

Design remote controller with RS485 for BMS integration.



Reference	Air flow		External static pressure		Heating exchange efficiency	Dimension	Weight	RRP
	Hi	m³/h	Hi	Pa	%	H x W x D mm	kg	
150 m³/h	FV-15ZY1G	150	100		83	289 x 610 x 860	23	1,537
250 m³/h	FV-25ZY1G	250	120		82	289 x 735 x 860	27	1,681
350 m³/h	FV-35ZY1G	350	140		83	331 x 874 x 968	37	2,008
500 m³/h	FV-50ZY1G	500	130		81	331 x 1016 x 968	40	2,086
1ph 650 m³/h	FV-65ZY1G	650	150		82	404 x 954 x 1008	48	2,400
800 m³/h	FV-80ZY1G	800	150		83	404 x 1004 x 1224	60	2,767
1000 m³/h	FV-1KZY1G	1000	150		82	404 x 1231 x 1224	64	3,228
1500 m³/h	FV-1HZY1G	1500	130		83	808 x 1004 x 1224	119	5,485
2000 m³/h	FV-2KZY1G	2000	130		82	808 x 1231 x 1224	142	6,833

1) Different dimensions depending on models. * A remote controller is included.

Advanced energy recovery ventilation accessories			RRP €
Replacement high efficiency filter for FV-15ZY1G.	FV-FP15ZY1G		59
Replacement high efficiency filter for FV-25ZY1G.	FV-FP25ZY1G		63
Replacement high efficiency filter for FV-35ZY1G.	FV-FP35ZY1G		74
Replacement high efficiency filter for FV-50ZY1G.	FV-FP50ZY1G		83
Replacement high efficiency filter for FV-65ZY1G.	FV-FP65ZY1G		89

Advanced energy recovery ventilation accessories			RRP €
Replacement high efficiency filter for FV-80ZY1G and FV-1HZY1G ¹⁾ .	FV-FP80ZY1G		94
Replacement high efficiency filter for FV-1KZY1G and FV-2KZY1G ¹⁾ .	FV-FP1KZY1G		104

1) 2 sets of filters required for those models.

Energy recovery ventilation with DX coil – HRPT Series · R32 / R410A

Dual flow ventilation with EC fan, featuring high efficiency heat recovery (>85% η).

2 types of polystyrene heat exchanger (high efficiency and sensible) with counter-current flows and integrated bypass as standard.

Modbus connection available.



Indoor unit		Heat exchanger option	Heat recovery ventilation ¹⁾						DX coil ²⁾				RRP
			Temperature efficiency		Enthalpy efficiency		Air flow	External static pressure	Total / Sensible capacity		Dimension	Weight	
			Cool %	Heat %	Cool %	Heat %			Cool kW	Heat kW			
1ph	PAW-HRPT40HX	High efficiency	63	77	52	53	400	150	3,5	3,7	286 x 1003 x 1409	69,2	5,409
	PAW-HRPT40	Sensible	85	85	—	—	400	150	3,5/1,8	3,7	286 x 1003 x 1409	66	4,021
	PAW-HRPT80HX	High efficiency	60	74	48	49	800	150	6,6	7,8	425 x 1226 x 1730	113,5	7,068
	PAW-HRPT80	Sensible	84	85	—	—	800	150	6,6/3,4	7,8	425 x 1226 x 1730	108,5	5,333
	PAW-HRPT120HX	High efficiency	61	75	50	51	1200	150	13,2	14,5	425 x 1628 x 1730	150	9,389
	PAW-HRPT120	Sensible	85	85	—	—	1200	150	13,2/6,8	14,5	425 x 1628 x 1730	142,5	6,729
	PAW-HRPT160HX	High efficiency	62	76	50	51	1600	150	15,3	17,2	425 x 2030 x 1730	184	11,471
	PAW-HRPT160	Sensible	85	85	—	—	1600	150	15,3/8,0	17,2	425 x 2030 x 1730	174	7,885
	PAW-HRPT200HX	High efficiency	59	73	47	48	2000	150	16,4	19,3	425 x 2030 x 1730	194	13,437
3ph	PAW-HRPT200	Sensible	84	84	—	—	2000	150	16,4/8,5	19,3	425 x 2030 x 1730	184	9,967

Piping information						
Indoor unit	Size	40	80	120	160	200
Piping diameter (liquid)	Inch	1/4	3/8	3/8	3/8	3/8
Piping diameter (gas)	Inch	1/2	5/8	5/8	5/8	5/8

Electrical information							
Single phase				Three phase			
Indoor unit	Size	40	80	120	160	200	200
Maximum input current	A	1,5	2,2	4,1	4,4	3,3	3,3

1) Data refers to the following conditions (UNI EN 13141-7): nominal air flow, heating external air 5 °C with 72% r. / expelled air 25 °C with 28% r. – cooling 35 °C with 40% / expelled air 27 °C with 48%. 2) Data refers to the following conditions: nominal air flow, cooling inlet coil summer 27 °C with 48% / heating inlet coil winter 20 °C with 50% r. * Image is for PAW-HRPT40.

Commercial ventilation

Electric air curtain

Comprehensive product line up (width: 0,9 m 1,2 m and 1,5 m).
Simple structure for easy installation and maintenance.



Reference	Width	Air flow	Consumption	Dimension	Weight	RRP
	mm	Hi / Lo m³/h	Hi / Lo W	H x W x D mm	kg	£
FY-3009U1	900	1100/920	76/70	231,5 x 900 x 212	12,0	809
1ph FY-3012U1	1200	1400/1270	94/85	231,5 x 1200 x 212	14,5	906
FY-3015U1	1500	2000/1800	131/110	231,5 x 1500 x 212	18,0	1,061

NEW! Air curtain with DX coil, connected to PACi NX systems - R32

Advanced defrost control without disrupting the air curtain effect or causing cold drafts.
Three installation options: suspended, cassette, or built-in.
Quiet operation.

* Includes two remote controllers: a wall-mounted controller and CZ-RTC6 for setup.



Reference		Maximum capacity		Air flow	Dimension ³⁾	Weight	RRP	Outdoor unit combination	
		Cooling ¹⁾	Heating ²⁾	Hi	H x W x D (x D)				
		kW	kW	m³/h	mm	kg	£		
1ph	Air outlet height 2,8 m	PAW-P2-100R	5,6	6,5	1800	300 x 1000 x 750 (x 890)	61	9,485	U-50PZH3E5
			6,3	7,0					U-60PZH3E5
			7,8	8,0					U-71PZH4E5/8
	PAW-P2-150R	11,4	12,0	2700	300 x 1500 x 750 (x 890)	74	11,203	U-100PZH4E5/8 U-100PZ3E5/8	
		12,0	13,0					U-125PZH4E5/8 U-125PZ3E5/8	
		12,0	15,0					U-140PZH4E5/8	
	PAW-P2-200R	11,4	12,1	3600	300 x 2000 x 750 (x 890)	96	12,604	U-100PZH4E5/8 U-100PZ3E5/8	
		13,6	15,0					U-125PZH4E5/8 U-125PZ3E5/8	
		15,3	17,4					U-140PZH4E5/8	
		16,3	20,9					U-200PZH4E8	
		16,3	20,9					U-250PZH4E8	
	PAW-P2-250R	20,0	22,0	4500	300 x 2500 x 750 (x 890)	138	14,103	U-200PZH4E8	
		20,5	25,0					U-250PZH4E8	
	Air outlet height 3,2 m	PAW-P3-100R	10,0	12,0	2400	300 x 1000 x 750 (x 890)	65	9,883	U-100PZH4E5/8 U-100PZ3E5/8
			10,0	12,0					U-125PZH4E5/8 U-125PZ3E5/8
			10,0	12,0					U-140PZH4E5/8
		PAW-P3-150R	11,4	12,0	3200	300 x 1500 x 750 (x 890)	78	11,513	U-100PZH4E5/8 U-100PZ3E5/8
			13,6	13,0					U-125PZH4E5/8 U-125PZ3E5/8
			13,8	15,0					U-140PZH4E5/8
		PAW-P3-200R	20,0	22,0	4900	300 x 2000 x 750 (x 890)	104	13,149	U-200PZH4E8
			21,7	25,0					U-250PZH4E8
		PAW-P3-250R	20,0	22,0	5700	300 x 2500 x 750 (x 890)	145	14,387	U-200PZH4E8
			25,2	25,0					U-250PZH4E8

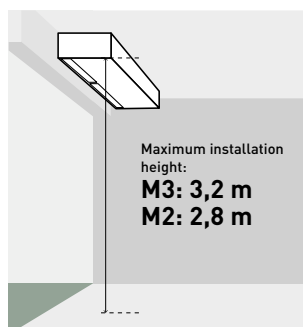
1) Minimum discharge temperature of 17 °C, with an air intake temperature of 27 °C, evaporation temperature of 6 °C, condensation temperature of 48 °C, SH 5K, SC 15K. 2) Air intake temperature of 20 °C, refrigerant R32, outside temperature ~ 0 °C, compressed gas temperature 70 °C, condensation temperature 49 °C (for U50/U60/U71 55 °C, for U200/U250 48 °C). 3) Depth (including brackets) for cassette mounting model.

Technical focus

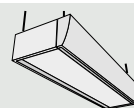
- Advanced defrost control maintains the air curtain effect without cold drafts
- Four air curtain lengths available: P2 and P3 – 1,0 m, 1,5 m, 2,0 m, and 2,5 m
- Installation height up to 3,2 m
- Flexible installation: suspended as standard, cassette or built-in optional*
- Includes one user-friendly touchscreen remote controller
- Effortless settings management via touchscreen control
- Optional smart temperature control automatically adjusts to outdoor conditions
- Integrated control with door sensor and BMS ON / OFF functionality
- Scalable setup: group up to 10 units for synchronized operation
- Drain pump optional

*Cassette type (PAW-M2-100/150/200/250GVP) or built-in type (PAW-M3-100/150/200/250BVP) available upon request.

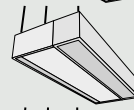
Installation heights and three mounting possibilities



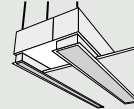
Suspended (standard)



Cassette
(optional: PAW-M2-100/150/200/250GVP)



Built-in
(optional: PAW-M3-100/150/200/250BVP)



Easier installation and maintenance.

Simple structure for easy installation and maintenance.



Chillers, heat pumps and water source heat pumps

These series provide a wide variety of HVAC system solutions, to meet all of your commercial and industrial needs.

ECO i - W





NEW

ECOi-W AQUA-Z EVO: Expansion of R32 range with advanced Inverter technology.

- Inverter technology
- Precise temperature control
- Top-tier seasonal efficiency
- Extended operating limits
- Compact footprint

ECOi-W AQUA-Z DC: Boost the capacity with modular configurations.

- Capacity up to 760 kW
- 2xAQUA-Z DC units installed back-to-back from rear side
- Common hydraulic connections and kit
- Separate power supply (1 per unit)

ECOi-W AQUA-G EVO: Exceptional efficiency with natural refrigerant R290.

- Reversible heat pump with R290 refrigerant and Inverter technology
- Capacity from 60 to 110 kW

Launching soon in Summer 2026.

ECOi-W AQUA-G BLUE R290. A revolutionary solution.

- Air to water reversible heat pumps
- Natural refrigerant R290
- Reliable quality
- Scroll compressors
- High energy efficiency class
- Maximum 70 °C leaving water temperature
- Quiet operation
- Boost the capacity up to 640 kW

Air cooled chillers, heat pumps and condensing units – ECOi-W.

The ECOi-W hydronic systems are perfect for any type of building. The air cooled chiller variant of the system is also a fundamental part of many industrial processes.

- Simple design (no need for cooling systems such as cooling towers), low installation costs
- Small footprint, easier to maintain and manage than water cooled systems
- Reduced initial cost

Water cooled chillers, heat pumps and condenserless units – ECOi-W.

Perfect for any type of building, the system consists of water cooled chillers or heat pumps that provide cold or hot water to water terminals.

Water cooled chillers ECOi-W use water as the cooling medium to extract heat from the cooling circuit by cooling and condensing the refrigerant.

- Higher cooling efficiency compared to air cooled chillers
- Less impact on the environment with less waste heat or fan noise

Water source heat pumps – ECOi-LOOP.

ECOi-LOOP solutions offer improved comfort by having several different indoor climates inside a building, while maintaining the energy through an internal closed water loop.

AC SELECT.

Use AC SELECT to choose and configure your hydronic solution.

Panasonic online selection tool offers an easy and quick solution to specify all the hydronics ranges and rooftops at required conditions.

<https://acselect.panasonic.eu/>

Quick selection guide – Air cooled chillers

Page	Size	Cooling capacity (kW)	SEER	Sound power (dB(A))	Dimension ¹⁾ L x H x W (mm)
P. 85	ECOi-W AQUA C · R410A				
	20	19,2	4,78	75	1000 x 1983 x 1000
	25	24,3	4,38	75	1000 x 1983 x 1000
	30	27,1	4,43	75	1000 x 1983 x 1000
	35	36,7	4,43	76	1000 x 1983 x 1000
	40	39,0	4,48	76	1000 x 1983 x 1000
P. 87	ECOi-W AQUA-Z C · R32				
	50	51,6	4,60	83	2180x x 1986 x 1160
	60	57,6	4,59	84	2180x x 1986 x 1160
	70	69,7	4,61	81	2180x x 1986 x 1160
	75	78,2	4,72	81	2180x x 1986 x 1160
	85	82,8	4,45	84	2180x x 2286 x 1160
	100	100,0	4,88	86	2180x x 2286 x 1160
	115	116,0	4,59	87	2180x x 2286 x 1160
	130	126,0	4,43	87	2180x x 2286 x 1160
	ECOi-W AQUA-Z DC C · R32				
P. 88	150	151,0	4,93	89,6	3795 x 2240 x 1152
	170	170,0	4,90	90,4	3795 x 2240 x 1152
	190	189,0	4,68	91,1	2650 x 2250 x 2211
	210	212,0	4,62	91,5	2650 x 2250 x 2211
	230	229,0	4,48	92,0	2650 x 2250 x 2211
	260	260,0	4,40	92,4	2650 x 2250 x 2211
	290	307,0	4,63	93,3	3775 x 2250 x 2211
	320	326,0	4,33	94,3	3775 x 2250 x 2211
	350	346,0	4,43	95,2	3775 x 2250 x 2211
	380	377,0	4,35	95,4	3775 x 2250 x 2211
	420 [210+210]	424,0	4,62	95,5	5310 x 2250 x 2211
	460 [230+230]	458,0	4,48	96	5310 x 2250 x 2211
	520 [260+260]	520,0	4,4	96,4	5310 x 2250 x 2211
	580 [290+290]	614,0	4,63	97,3	7556 x 2250 x 2211
	640 [320+320]	652,0	4,33	98,3	7556 x 2250 x 2211
	700 [350+350]	692,0	4,43	99,2	7556 x 2250 x 2211
	760 [380+380]	754,0	4,35	99,4	7556 x 2250 x 2211

1) Dimensions without water tank.

Quick selection guide – Air cooled chillers

Page	Size	Cooling capacity (kW)	SEER	Sound power (dB(A))	Dimension ¹⁾ L x H x W (mm)
P. 89	ECOi-W AQV C - R410A				
	85	83,5	4,55	84	2555 x 2185 x 1095
	95	93,6	4,80	84	2555 x 2185 x 1095
	105	103,0	4,78	84	2555 x 2185 x 1095
	115	110,1	4,80	84	2555 x 2185 x 1095
	125	121,9	4,73	88	3155 x 2185 x 1095
P. 91	ECOi-W AQUA EVO C - R410A				
	400	390,4	4,48	92	4580 x 2500 x 2175
	450 S ²⁾	431,1	4,63	87	5620 x 2500 x 2175
	490 S ²⁾	470,2	4,58	87	6680 x 2500 x 2175
	530 S ²⁾	513,7	4,78	87	6680 x 2500 x 2175
	600	584,5	4,58	94	7760 x 2500 x 2175
	670	653,2	4,59	94	7760 x 2500 x 2175
	750 S ²⁾	727,7	4,73	89	8900 x 2500 x 2175
P. 92	ECOi-W SW-N EVO C - R513A				
	380	365,7	4,53	97	4660 x 2510 x 2192
	440	443,0	4,64	98	5712 x 2510 x 2192
	510	500,2	4,65	100	5712 x 2510 x 2192
	590	565,8	4,80	100	6764 x 2510 x 2192
	660	643,5	4,66	100	7816 x 2510 x 2192
	730	704,3	4,56	101	7816 x 2510 x 2192
	810	778,1	4,62	101	8868 x 2510 x 2192
	900	896,9	4,56	102	9920 x 2510 x 2192
	980	983,5	4,60	102	10972 x 2510 x 2192
	1060	1047,4	4,87	103	12024 x 2510 x 2192
	1160	1154,0	4,86	103	13076 x 2510 x 2192
	1260	1240,5	4,85	103	13076 x 2510 x 2192

1) Dimensions without water tank. 2) S version.

Increased capacity with modular configuration units.

Our ECOi-W AQUA-Z DC units are available in both single and twin configurations. For large-scale projects, combine two double circuit units to significantly boost the capacity.

- 2x AQUA-Z DC units installed back to back from rear side
- Common hydraulic connections (option)
- Common hydraulic kit: pumps + tank (option)
- Separate power supply (1 per unit)



Quick selection guide – Air cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension ¹⁾ L x H x W (mm)
P. 83	20	21,0	3,30 / 3,75	74	1477 x 1615 x 539
		20,4			
P. 84	30	28,0	3,98 / 3,68	75	1477 x 1615 x 539
	30	26,1			
	50	48,2			
	50	49,2			
P. 84	60	56,1	4,30 / 3,70	84	2180 x 2011 x 1160
	60	61,1			
	70	64,9			
	70	73,5			
P. 84	80	74,1	4,20 / 3,80	85	2180 x 2030 x 1160
	80	83,6			
P. 84	60	56,7	4,07 / 4,32	79	1998 x 2385 x 1116
	60	61,2			
	80	67,4			
	80	80,8			
P. 85	110	91,0	4,77 / 4,49	81	1998 x 3385 x 1116
	110	101,9			
P. 85	20	18,7	4,68 / 3,50	75	1000 x 1983 x 1000
	20	19,5			
	25	23,7			
	25	26,9			
	30	26,4			
P. 85	30	29,7			
	35	35,8	4,25 / 3,50	76	1000 x 1983 x 1000
	35	37,3			
	40	38,1			
	40	41,6			
P. 86	40	41,5	5,59 / 4,22	79,5	2209 x 1732 x 1100
	40	41,0			
P. 86	50	48,5	5,65 / 4,52	80,5	2209 x 1732 x 1100
	50	48,2			

¹⁾ Dimensions without water tank

New ECOi-W AQUA-G EVO.

The future of comfort: eco-friendly performance and advance technology in a groundbreaking solution.

NATURAL REFRIGERANT R290 WITH GWP 0,02

INVERTER TECHNOLOGY

60 kW / **CAPACITY FROM 60 TO 100 KW**



Quick selection guide – Air cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension ¹⁾ L x H x W (mm)
P. 87	ECOi-W AQUA-Z H · R32				
	50		4,46 / 3,63	83	2180 x 1986 x 1160
	60		4,42 / 3,51	84	2180 x 1986 x 1160
	70		4,51 / 3,49	81	2180 x 1986 x 1160
	75		4,61 / 3,56	81	2180 x 1986 x 1160
	85		4,33 / 3,76	84	2180 x 2286 x 1160
	100		4,77 / 3,56	86	2180 x 2286 x 1160
	115		4,44 / 3,77	87	2180 x 2286 x 1160
	130		4,23 / 3,81	87	2180 x 2286 x 1160
					
	ECOi-W AQUA-Z DC H · R32				
	150		4,75 / 3,83	89,6	3795 x 2240 x 1152
P. 88	170		4,71 / 3,90	90,4	3795 x 2240 x 1152
	190		4,45 / 3,46	91,1	2650 x 2250 x 2211
	210		4,39 / 3,44	91,5	2650 x 2250 x 2211
	220 ²⁾		5,03 / 3,86	91,3	2650 x 2300 x 2211
	230		4,34 / 3,64	92,0	2650 x 2250 x 2211
	260		4,21 / 3,52	92,4	2650 x 2250 x 2211
	270 ²⁾		5,01 / 3,82	92,8	3775 x 2300 x 2211
	290		4,34 / 3,51	93,3	3775 x 2250 x 2211
	300 ²⁾		5,01 / 3,92	93,1	3775 x 2300 x 2211
	320		4,33 / 3,50	94,3	3775 x 2250 x 2211
	350		4,40 / 3,50	95,2	3775 x 2250 x 2211
	380		4,34 / 3,66	95,4	3775 x 2250 x 2211
	420 [210+210]		4,39 / 3,44	95,5	5310 x 2250 x 2211
	440 [220+220]		5,03 / 3,86	95,3	5310 x 2250 x 2211
	460 [230+230] ²⁾		4,34 / 3,64	96,0	5310 x 2250 x 2211
	520 [260+260]		4,21 / 3,52	96,4	5310 x 2250 x 2211
	540 [270+270] ²⁾		5,01 / 3,82	96,8	7556 x 2250 x 2211
	580 [290+290]		4,34 / 3,51	97,3	7556 x 2250 x 2211
	600 [300+300] ²⁾		5,01 / 3,92	97,1	7556 x 2250 x 2211
	640 [320+320]		4,33 / 3,50	98,3	7556 x 2250 x 2211
	700 [350+350]		4,40 / 3,50	99,2	7556 x 2250 x 2211
	760 [380+380]		4,34 / 3,66	99,4	7556 x 2250 x 2211

1) Dimensions without water tank. 2) Only EC fans version.

Quick selection guide – Air cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension ¹⁾ L x H x W (mm)
P. 89	ECOi-W AQR H · R410A				
	85	81,0 91,8	4,25 / 3,61	84	2555 x 2185 x 1095
	95	89,9 102,8	4,68 / 3,64	84	2555 x 2185 x 1095
	105	98,9 110,0	4,63 / 3,78	84	2555 x 2185 x 1095
	115	106,9 119,0	4,17 / 3,77	84	2555 x 2185 x 1095
	125	115,8 134,0	4,33 / 3,47	88	3155 x 2185 x 1095
P. 90	ECOi-W VL H · R410A				
	704	173,2 200,1	3,63 / 3,41	93	4300 x 2300 x 1100
	804	197,1 223,2	3,55 / 3,42	93	4300 x 2300 x 1100
	904	226,4 254,7	3,35 / 3,28	94	4300 x 2300 x 1100
	1004	246,3 270,8	3,50 / 3,39	94	4300 x 2300 x 1100
	1104	273,1 302,1	3,53 / 3,30	95	4300 x 2300 x 1100
	1204	299,9 337,4	3,43 / 3,19	95	4300 x 2300 x 1100

1) Dimensions without water tank. 2) Only EC fans version.

Quick selection guide – Air cooled condensing units

Page	Size	Cooling capacity (kW)	EER	Sound power (dB(A))	Dimension ¹⁾ L x H x W (mm)
P. 85	ECOi-W AQUA E · R410A				
	25	32,4	3,24	75	1000 x 1983 x 1000
	30	33,7	3,15	75	1000 x 1983 x 1000
	35	43,1	2,90	76	1000 x 1983 x 1000
P. 89	ECOi-W AQR E · R410A				
	85	92,1	3,36	84	2555 x 2185 x 1095
	95	103,2	3,29	84	2555 x 2185 x 1095
	105	113,2	3,32	84	2555 x 2185 x 1095
	115	121,8	3,30	84	2555 x 2185 x 1095
	125	134,7	3,23	88	3155 x 2185 x 1095
P. 90	ECOi-W VL E · R410A				
	704	199,0	2,90	93	4300 x 2300 x 1100
	804	224,0	3,00	93	4300 x 2300 x 1100
	904	258,0	2,98	94	4300 x 2300 x 1100
	1004	283,0	3,12	94	4300 x 2300 x 1100
	1104	315,0	2,98	95	4300 x 2300 x 1100
	1204	347,0	2,90	95	4300 x 2300 x 1100

1) Dimensions without water tank.

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA EVO H - R410A

1 inverter scroll compressor.

Plate heat exchanger.

Operation range: OAT -10 to 45 °C in cooling and -15 to 30 °C in heating.

LWT -8 to 18 °C in cooling and 25 to 55 °C in heating.



Outdoor unit	Cooling capacity ¹⁾ kW	ErP data ²⁾		Heating capacity ³⁾ kW	ErP data ^{4) 5)}			ErP data ^{4) 6)}			Sound power ⁷⁾ dB(A)	Dimension H x W x L mm	Operating weight kg	RRP £
		SEER	n _{s,c}		SCOP	Energy efficiency class	n _{s,h}	SCOP	Energy efficiency class	n _{s,h}				
20 P-AQAVE0020HA	21,0	3,30	129	20,4	3,75	A+	147	3,00	A+	117	74	1615 x 539 x 1477	260	POA
30 P-AQAVE0030HA	28,0	3,98	156	26,1	3,68	A+	144	2,95	A+	115	75	1615 x 539 x 1477	275	

Water connections information

Outdoor unit	20	30
Type of connections (evaporator)	Male gas threaded	Male gas threaded
Inlet/outlet diameter	Inch 1 1/4	1 1/4

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN 14825 standard. 3) According to EN 14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 4) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 5) According to EN 14825 standard – low temperature application (35 °C). 6) According to EN 14825 standard – medium temperature application (55 °C). 7) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Buffer tank placed under unit

Chassis acoustic insulation

Accessories and options

Coils treatments

Accessories supplied loose

P-373705	Water temperature sensor for second set-point zone
P-347941	Remote ON / OFF control
P-364735	Remote keyboard panel
P-362577	Flow switch
P-473465	Pressure switch

Accessories supplied loose

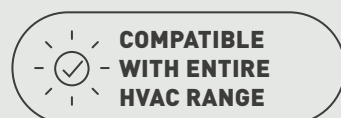
P-362384	Valves in – out
P-348144	3 way valve for DHW production – ON / OFF – DN 20
P-375890	3 way valve for second set-point zone – 0-10 V – DN 25
P-375891	3 way valve for second set-point zone – 0-10 V – DN 32

Commercial Smart Edge.

Manage the entire Panasonic HVAC portfolio from a single platform – on-site or remotely, 24/7.

Model code	Control points	Indoor unit connections ¹⁾
PAW-CSE-1B	100	4
PAW-CSE-2B	200	10
PAW-CSE-5B	500	25
PAW-CSE-10	1000	50
PAW-CSE-2B0	2000	100

1) The final number of connected indoor units may vary depending on the range. * For the detail information, please contact an authorised Panasonic dealer.



**COMPATIBLE
WITH ENTIRE
HVAC RANGE**



**SIMPLIFIED
COMMISSIONING**



**OPTIMISED
PLANT
MANAGEMENT**



**ADVANCED
ANALYTICS**



P-Smart Edge.

Smart control solution to manage the entire Panasonic HVAC range (Aquarea, RAC, PACi NX, ECOi and ECOi-W) from a single platform.



P-Smart Nexus.

Smart multi-site online control which allows a remote global supervision of all your sites.



Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA-G BLUE 50-80 H · R290

2 scroll compressors.

Plate heat exchanger.

Operation range: OAT -15 to 53 °C in cooling and -20 to 45 °C in heating.

LWT -10 to 18 °C in cooling and 20 to 70 °C in heating.



Outdoor unit		Cooling capacity ¹⁾	ErP data ²⁾		Heating capacity ³⁾	ErP data ⁴⁾				Sound power	Dimension			Operating weight	RRP		
			SEER	n _{s,c}		SCOP	n _{s,h}	Energy efficiency class (SCOP)	SCOP _{MT}		n _{s,hMT}	Energy efficiency class (SCOP _{MT})	Height			Length w/o / w water tank	Width
		kW			kW	A+++ to D								kg			
50	P-AQAG0050HA	48,2	4,37	171,9	49,2	3,67	143,7	A+	3,11	121,4	A+	82,7	1730	2215/2915 ⁵⁾	1032	538	POA
60	P-AQAG0060HA	56,1	4,30	168,9	61,1	3,75	146,8	A+	3,14	122,7	A+	84,1	2011	2180/2680	1160	603	
70	P-AQAG0070HA	64,9	4,31	169,4	73,5	3,87	151,8	A++	3,26	127,3	A++	85,1	2030	2180/2680	1160	628	
80	P-AQAG0080HA	74,1	4,21	165,4	83,6	3,84	150,5	A++	3,22	126,0	A++	85,8	2030	2180/2680	1160	669	

Water connections information

Outdoor unit	50	60	70	80
Type of connections (evaporator)	Male gas threaded		Male gas threaded	
Inlet/outlet diameter	Inch 1 1/4	2	2	2 1/2

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN 14825 and following COMMISSION REGULATION (EU) 2016/2281. 3) According to EN 14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 4) According to EN 14825 and following COMMISSION REGULATION (EU) No 813/2013. 5) Tank is external to the unit chassis.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Anti-vibration rubber mount / spring dampers
Refrigerant gauges HP/LP
Shut off valves

Accessories and options

Soft starter
Electric heater for the water tank
Variable or fixed speed pumps

Accessories and options

Water tank 200 L for size 50
Water tank 300 L for sizes 60-70-80

Accessories supplied loose

P-375281 SRC – mini BMS controller
P-586595_G Cascade controller
P-372061_G Remote keyboard panel
P-372615_G Kit 4G modem
SVC-HYD-COMM-CLD1 1-year pre-paid Cloud access

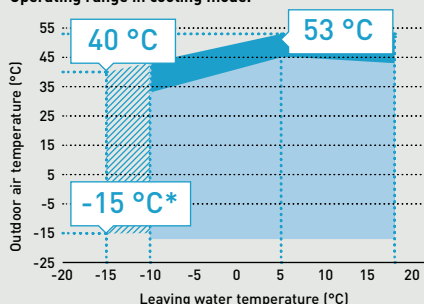
Accessories supplied loose

SVC-HYD-COMM-CLD3 3-year pre-paid Cloud access
P-3721027 3 way valve and probe for DHW management for size 50
P-3721028 3 way valve and probe for DHW management for sizes 60-80
P-3721050 Kit temperature probe for deported tank

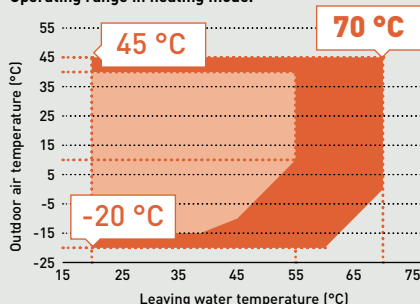
Discover a unique feature of ECOi-W AQUA-G BLUE

Extended operating limits

Operating range in cooling mode.



Operating range in heating mode.



Cooling mode.

A water outlet temperature of -15 °C* ensures optimal operation temperature for process equipment in factories.

Heating mode.

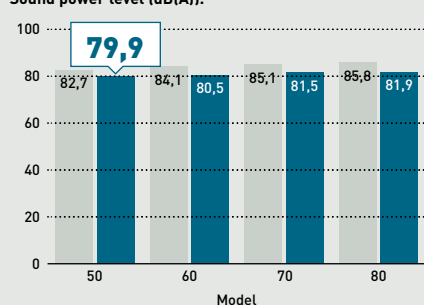
Ideal solution for Heating and Domestic Hot Water production. Reaching 70 °C from 0 °C outside air temperature.

* Only for sizes 70-80, special order.

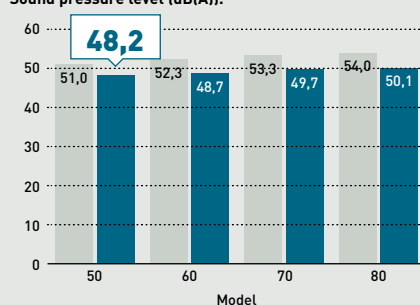
ECOi-W AQUA-G BLUE (R290)
ECOi-W AQUA-Z (R32)

Quiet operation

Sound power level (dB(A)).



Sound pressure level (dB(A)).



Silent mode.

Silent mode with an impressively low sound power level of only 79,9 dB(A), pressure level of only 48,2 dB(A). ECOi-W AQUA-G BLUE provides the perfect balance of efficiency and silent operation. Optional compressor jackets for size 50 and optional compressor box for sizes 60-70-80 are available to provide an additional level of noise reduction.

Standard mode Silent mode

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA 20-40 C/H/E · R410A

2 scroll compressors.

Plate heat exchanger.

Operation range: OAT -10 to 50 °C in cooling and -17 to 20 °C in heating.

LWT -10 to 18 °C in cooling and 20 to 50 °C in heating.



Outdoor unit		Cooling capacity ¹⁾	ErP data ^{2) 3)}		Heating capacity ⁴⁾	ErP data ^{2) 5)}			Sound power (STD fan)	Dimension			Operating weight w/o / w water tank ⁶⁾	RRP
		SEER	n _{s,c}		SCOP	Energy efficiency class	n _{s,h}		Height (STD / HPF)	Width w/o / w water tank	Length	kg		
		kW			kW		A+++ to D		dB(A)	mm	mm	mm		£
ECOi-W AQUA 20-40 C – chiller														
20	P-AQAE0020CA	19,2	4,78	188	—	—	—	—	75	1983 / 2025	1000 / 1507	1000	285 / 450	POA
25	P-AQAE0025CA	24,3	4,38	172	—	—	—	—	76	1983 / 2025	1000 / 1507	1000	295 / 460	
30	P-AQAE0030CA	27,1	4,43	174	—	—	—	—	76	1983 / 2025	1000 / 1507	1000	325 / 490	
35	P-AQAE0035CA	36,7	4,43	174	—	—	—	—	77	1983 / 2025	1000 / 1507	1000	335 / 500	
40	P-AQAE0040CA	39,0	4,48	176	—	—	—	—	77	1983 / 2025	1000 / 1507	1000	335 / 500	
ECOi-W AQUA 20-40 H – heat pump														
20	P-AQAE0020HA	18,7	4,68	184	19,5	3,50	A+	137	75	1983 / 2025	1000 / 1507	1000	285 / 450	POA
25	P-AQAE0025HA	23,7	4,31	169	26,9	3,38	A+	132	76	1983 / 2025	1000 / 1507	1000	295 / 460	
30	P-AQAE0030HA	26,4	4,28	168	29,7	3,45	A+	135	76	1983 / 2025	1000 / 1507	1000	325 / 490	
35	P-AQAE0035HA	35,8	4,25	167	37,3	3,50	A+	137	77	1983 / 2025	1000 / 1507	1000	335 / 500	
40	P-AQAE0040HA	38,1	4,33	170	41,6	3,50	A+	137	77	1983 / 2025	1000 / 1507	1000	335 / 500	
ECOi-W AQUA 25-40 E – condensing unit														
25	P-AQAE0025EA	32,4	—	—	—	—	—	—	75	1983 / —	1000 / —	1000	260 / —	POA
30	P-AQAE0030EA	33,7	—	—	—	—	—	—	75	1983 / —	1000 / —	1000	270 / —	
35	P-AQAE0035EA	43,1	—	—	—	—	—	—	76	1983 / —	1000 / —	1000	280 / —	
40	P-AQAE0040EA	44,8	—	—	—	—	—	—	76	1983 / —	1000 / —	1000	280 / —	

Water connections information. ECOi-W AQUA 20-40 C/H – chiller / heat pump

Outdoor unit	20	25	30	35	40
Type of connections (evaporator)	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/outlet diameter	Inch 1½	1½	1½	1½	1½

Refrigerant connections information. ECOi-W AQUA 25-40 E – condensing unit

Outdoor unit	—	25	30	35	40
Liquid line	Inch —	5/8	5/8	5/8	5/8
Suction line	Inch —	1½	1½	1½	1½

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. For condensing unit models: Data refers to 7 °C leaving chilled water temperature and 35 °C condenser air temperature, according to EN 14511-2013 standard. 2) According to EN 14825. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According to EN 14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 5) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 6) With 1 pump.

* w/o: without, w: with. * Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options	
Anti-vibration rubber mount / spring dampers	
BACnet IP or BACnet MSTP	
Fan speed control	
Finned coil blygold treatment (upon request) or epoxy	
High pressure fan (HPF)	

Accessories and options	
Modbus TCP/IP	
Outdoor coil protection grid	
Nordic pack (H type only)	
Shut off valves	
Soft starter	

Accessories and options	
Variable or fixed* speed pumps	
Water pressure switch	
Water tank 100 L	
Without neutral (upon request)	

* Not available with ECOi-W AQUA C and ECOi-W AQUA H 20-30 due to Ecodesign compliance.

Accessories supplied loose	
P-375281	SRC – mini BMS controller
P-372061	Remote keyboard panel
P-372615	Kit 4G modem

Accessories supplied loose	
SVC-HYD-COMM-CLD1	1-year pre-paid Cloud access
SVC-HYD-COMM-CLD3	3-year pre-paid Cloud access
P-378016	Kit anti-vibration mount rubber

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Air cooled chillers, heat pumps and condensing units

NEW! ECOi-W AQUA-Z EVO 40-50 H · R32

Inverter scroll compressors.

Plate heat exchanger.

Operation range: OAT -15 to 48 °C in cooling and -15 to 40 °C in heating.

LWT -10 to 20 °C in cooling and 20 to 58 °C in heating.

NEW

R32



Outdoor unit	Cooling capacity ¹⁾	ErP data ²⁾		Heating capacity ³⁾	ErP data ⁴⁾			Sound power (STD fan)	Dimension			Operating weight w/o / w water tank	RRP
	kW	SEER	n _{s,c}	kW	SCOP	Energy efficiency class	n _{s,h}		Height	Width	Length w/o / w water tank ⁵⁾		
						A+++ to D		dB(A)	mm	mm	mm	kg	£
ECOi-W AQUA-Z EVO 40-50 H EC fan – heat pump													
40	P-AQAVZ0040HA	41,0	5,59	221	41,5	4,22	166	A+++	79,5	1732	1100	2209/2913	348
50	P-AQAVZ0050HA	48,2	5,65	223	48,5	4,52	178	A+++	80,5	1732	1100	2209/2913	368

POA

Water connections information. ECOi-W AQUA-Z EVO 40-50 H EC fan – heat pump

Outdoor unit	40	50
Type of connections (evaporator)	Male gas threaded	Male gas threaded
Inlet/outlet diameter	Inch 1 1/4	1 1/4

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN 14825 and following COMMISSION REGULATION (EU) 2016/2281.

3) According to EN 14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 4) According to EN 14825 and following COMMISSION REGULATION (EU) No 813/2013: low temperature application. 5) Tank is external to the unit chassis. 7) Based on the Sixth Assessment Report (AR6) adopted by the Intergovernmental Panel on Climate Change (IPCC).

* w/o: without, w: with.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

BACnet MSTP or BACnet IP

Energy meter for power input

Coil guards

Compressor jackets

Variable speed pumps

Accessories and options

Water filter

Water flow switch

Water tank

Fin&Tube Al/Cu with epoxy

Accessories supplied loose

Kit remote control

Anti-vibration mount rubber

Anti-vibration spring

Kit water flow switch

Accessories supplied loose

Water pressure switch

Shut off valves

Kit DHW

New ECOi-W AQUA-Z EVO.

Expansion of R32 range with advanced Inverter technology.

High seasonal efficiency and compact chassis for your commercial projects.



**INVERTER
TECHNOLOGY**



**TOP-TIER
SEASONAL
EFFICIENCY**



**EXTENDED
OPERATING
LIMITS**



**COMPACT
FOOTPRINT**

R32
REFRIGERANT

INVERTER

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA-Z 50-170 C/H · R32

2 scroll compressors.

Plate heat exchanger.

Operation range: OAT -15 to 48 °C [47 °C for sizes 150 - 170] in cooling and -15 to 40 °C in heating. LWT -10 to 18 °C in cooling and 20 to 55 °C [53 °C for sizes 150 - 170] in heating.

R32



Outdoor unit	Cooling capacity ¹⁾	ErP data (STD AC / STD EC)		Heating capacity ⁴⁾	ErP data (STD AC / STD EC)			Sound power (STD AC / S) *	Dimension			Operating weight without water tank ⁷⁾	RRP
	kW	SEER ^{*2) 3)}	n _{s,c} ^{*2) 3)}	kW	SCOP ^{*2) 5)}	Energy efficiency class ^{*2) 6)}	n _{s,h} ^{*2) 6)}	dB(A)	Height (STD / EC / HPF)	Width	Length without water tank	kg	£
						A+++ to D			mm	mm	mm		

ECOi-W AQUA-Z 50-170 C – chiller

50	P-AQAZ0050CA	51,6	4,60/5,05	180,9/198,9	—	—	—	83/81	1986/2034	1160	2180	527	POA
60	P-AQAZ0060CA	57,6	4,59/5,02	180,5/197,8	—	—	—	84/81	1986/2034	1160	2180	547	
70	P-AQAZ0070CA	69,7	4,61/5,31	181,3/209,6	—	—	—	81/78	1986/2034	1160	2180	621	
75	P-AQAZ0075CA	78,2	4,72/5,29	185,6/208,7	—	—	—	81/78	1986/2034	1160	2180	637	
85	P-AQAZ0085CA	82,8	4,45/4,96	175,0/195,6	—	—	—	84/82	2286/2334	1160	2180	701	
100	P-AQAZ0100CA	100	4,88/5,19	192,3/204,9	—	—	—	86/83	2286/2334	1160	2180	731	
115	P-AQAZ0115CA	116	4,59/5,01	180,5/197,3	—	—	—	87/84	2286/2334	1160	2180	813	
130	P-AQAZ0130CA	126	4,43/4,71	174,2/185,6	—	—	—	87/84	2286/2334	1160	2180	815	
150	P-AQAZ0150CA	154	4,70/5,22	184,8/205,6	—	—	—	89/86	2285/2333	1151	3789	1265	
170	P-AQAZ0170CA	173	4,68/5,16	184,2/203,2	—	—	—	91/88	2285/2333	1151	3789	1279	

ECOi-W AQUA-Z 50-170 H – heat pump

50	P-AQAZ0050HA	51,1	4,46/4,83	175,2/190,2	51,7	3,53/3,90	A+/A+	138,0/152,8	83/81	1986/2034	1160	2180	527	POA
60	P-AQAZ0060HA	57	4,42/4,50	173,6/176,9	59,7	3,54/3,94	A+/A+	138,5/154,5	84/81	1986/2034	1160	2180	547	
70	P-AQAZ0070HA	69	4,51/5,04	177,5/198,8	71,8	3,47/3,71	A+/A++	135,6/145,3	81/78	1986/2034	1160	2180	621	
75	P-AQAZ0075HA	77,4	4,61/4,99	181,5/196,7	78,5	3,65/3,80	A+/A++	143,2/148,8	81/78	1986/2034	1160	2180	637	
85	P-AQAZ0085HA	82	4,33/4,80	170,3/188,9	86,5	3,60/4,02	A+/A++	141,2/157,8	84/82	2286/2334	1160	2180	701	
100	P-AQAZ0100HA	99,3	4,77/4,93	187,7/194,1	107,6	3,64/4,10	—/—	142,5/160,9	86/83	2286/2334	1160	2180	731	
115	P-AQAZ0115HA	115	4,44/4,82	174,6/190,0	122,3	3,66/4,02	—/—	143,2/157,9	87/84	2286/2334	1160	2180	813	
130	P-AQAZ0130HA	125	4,23/4,51	166/177,2	137,5	3,72/3,97	—/—	145,7/155,9	87/84	2286/2334	1160	2180	815	
150	P-AQAZ0150HA	152	4,59/5,04	180,5/198,7	159,1	3,57/4,04	—/—	139,9/158,4	89/86	2285/2333	1151	3789	1265	
170	P-AQAZ0170HA	170	4,49/4,92	176,6/193,8	180,1	3,60/3,95	—/—	140,9/155,2	91/88	2285/2333	1151	3789	1279	

Water connections information

Outdoor unit		50	60	70	75	85	100	115	130	150	170
Type of connections (evaporator)		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	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/outlet diameter	Inch	2	2	2	2	2½	2½	2½	2½	2½	2½

1) According to EN 14511-2018: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN 14825. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According to EN 14511-2018: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 5) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 6) According to EN 14511-2018: warm water inlet/outlet temperature: 30/35 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 7) With 1 pump.

* STD AC: standard version with AC fan, STD EC: standard version with high efficiency EC fan, S: super low noise version with high efficiency EC fan + compressor sound jackets.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options
Anti-vibration rubber mount / spring dampers *
Compressor jackets (standard for S versions)
Desuperheater
Electric heater for the water tank
Fin&Tube Al/Cu with epoxy / Blygold treatment
High efficiency EC fan

Accessories and options
High pressure fan (HPF)
Outdoor coil protection grid
Power factor corrector capacitors
Refrigerant gauges HP/LP
Shut off valves
Soft starter

Accessories and options
Variable speed pumps
Water pressure switch *
Water tank 300 L
Without neutral
Communication protocols: Modbus RTU (Std.), Modbus TCP/IP, BACnet MSTP, BACnet IP

* Field-installed accessories. All other accessories are factory-installed.

Accessories supplied loose	
P-375281	SRC – mini BMS controller
P-586595	Cascade controller
P-372061	Remote keyboard panel

Accessories supplied loose	
P-372615	Kit 4G modem
SVC-HYD-COMM-CLD1	1-year pre-paid Cloud access
SVC-HYD-COMM-CLD3	3-year pre-paid Cloud access

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA-Z DC 150-380 C/H - R32

Single and modular configurations up to 760 kW.

4 scroll compressors. 2 refrigerant circuits. Plate heat exchanger.

Operation range: OAT -15 to 46 °C in cooling and -15 to 40 °C (with EC fans) in heating. LWT -10 to 18 °C in cooling and 20 to 53 °C in heating.

R32



NEW



Outdoor unit		Cooling capacity ¹⁾	ErP data		Heating capacity ³⁾	ErP data		Sound power (STD/S) ⁵⁾	Dimension				RRP	
		kW	SEER ²⁾	n _{s,c} ²⁾		SCOP ⁴⁾	n _{s,h} ⁴⁾		Height (STD AC)	Height (EC/HPF)	Width	Length		
ECoi-W AQUA-Z DC 150-380 C – chiller – P-AQADZ****CB														
150	STD AC/EC	151,0/151,0	4,93/5,2	194,0/204,0	—	—	—	89,6/85,0	2240	2312	1152	3795	POA	
170	STD AC/EC	170,0/170,0	4,90/5,15	192,8/203,0	—	—	—	90,4/85,4	2240	2312	1152	3795		
190	STD AC/EC	189,0/189,0	4,68/5,23	184,3/206,1	—	—	—	91,1/87,2	2250	2300	2211	2650		
210	STD AC/EC	212,0/214,0	4,62/5,20	181,8/204,8	—	—	—	91,5/87,4	2250	2300	2211	2650		
230	STD AC/EC	229,0/229,0	4,48/4,90	176,3/192,9	—	—	—	92,0/87,6	2250	2300	2211	2650		
260	STD AC/EC	260,0/260,0	4,40/4,79	173,1/188,4	—	—	—	92,4/87,8	2250	2300	2211	2650		
290	STD AC/EC	307,0/307,0	4,63/5,13	182,0/202,2	—	—	—	93,3/88,6	2250	2300	2211	3775		
320	STD AC/EC	326,0/325,0	4,33/5,12	170,0/188,8	—	—	—	94,3/89,7	2250	2300	2211	3775		
350	STD AC/EC	346,0/347,0	4,43/4,79	174,2/188,5	—	—	—	95,2/90,1	2250	2300	2211	3775		
380	STD AC/EC	377,0/377,0	4,35/4,8	171,0/188,8	—	—	—	95,4/90,3	2250	2300	2211	3775		
420 (210+210)	STD AC/EC	424,0/428,0	4,62/5,20	181,8/204,8	—	—	—	95,5/91,4	2250	2300	2211	5310		
460 (230+230)	STD AC/EC	458,0/458,0	4,48/4,90	176,3/192,9	—	—	—	96,0/91,6	2250	2300	2211	5310		
520 (260+260)	STD AC/EC	520,0/520,0	4,40/4,79	173,1/188,4	—	—	—	96,4/91,8	2250	2300	2211	5310		
580 (290+290)	STD AC/EC	614,0/614,0	4,63/5,13	182,0/202,2	—	—	—	97,3/92,6	2250	2300	2211	7556		
640 (320+320)	STD AC/EC	652,0/650,0	4,33/5,12	170,0/188,8	—	—	—	98,3/93,7	2250	2300	2211	7556		
700 (350+350)	STD AC/EC	692,0/694,0	4,43/4,79	174,2/188,5	—	—	—	99,2/94,1	2250	2300	2211	7556		
760 (380+380)	STD AC/EC	754,0/754,0	4,35/4,8	171,0/188,8	—	—	—	99,4/94,3	2250	2300	2211	7556		
ECoi-W AQUA-Z DC 150-380 H – heat pump – P-AQADZ****HB														
150	STD AC/EC	150,0/150,0	4,75/5,03	187,1/198,1	154/154	3,83/4,00	150/157,1	89,6/85,0	2240	2312	1152	3795	POA	
170	STD AC/EC	167,0/167,0	4,71/4,97	185,3/195,7	178/179	3,90/4,00	152,8/156,8	90,4/85,4	2240	2312	1152	3795		
190	STD AC/EC	184,0/183,0	4,45/4,94	175,2/194,6	190/190	3,46/3,89	135,6/152,7	91,1/87,2	2250	2300	2211	2650		
210	STD AC/EC	204,0/204,0	4,39/4,82	172,5/189,6	201/201	3,44/3,90	134,7/152,8	91,5/87,4	2250	2300	2211	2650		
220	STD EC	—/208,0	—/5,03	—/198	—/219	—/3,86	—/151,3	91,3/87,4	—	2300	2211	2650		
230	STD AC/EC	224,0/224,0	4,34/4,71	170,6/185,5	241/241	3,64/3,99	142,5/156,4	92,0/87,6	2250	2300	2211	2650		
260	STD AC/EC	251,0/251,0	4,21/4,55	165,5/179,1	256,9/258,5	3,52/3,85	137,9/151	92,4/87,8	2250	2300	2211	2650		
270	STD EC	—/265,0	—/5,01	—/197,5	—/288	—/3,82	—/149,7	92,8/88,5	—	2300	2211	3775		
290	STD AC/EC	291,1/289,3	4,34/4,83	170,4/190,1	285,6/284,8	3,51/3,91	137,4/153,2	93,3/88,6	2250	2300	2211	3775		
300	STD EC	—/295,0	—/5,01	—/197,3	—/312	—/3,92	—/153,7	93,1/88,6	—	2300	2211	3775		
320	STD AC/EC	307,7/310,7	4,33/4,89	170/192,4	301,3/316,5	3,50/3,85	137/151,2	94,3/89,7	2250	2300	2211	3775		
350	STD AC/EC	330,0/331,0	4,40/4,79	172,9/188,5	337/340	3,50/3,87	136,9/151,9	95,2/90,1	2250	2300	2211	3775		
380	STD AC/EC	364,0/364,3	4,34/4,65	170,5/182,9	384/384,5	3,66/3,95	143,4/155,1	95,4/90,3	2250	2300	2211	3775		
420 (210+210)	STD AC/EC	408,0/408,0	4,39/4,82	172,5/189,6	402,0/402,0	3,44/3,90	134,7/152,8	95,5/91,4	2250	2300	2211	5310		
440 (220+220)	STD EC	—/416,0	—/5,03	—/198	—/438,0	—/3,86	—/151,3	95,3/91,4	—	2300	2211	5310		
460 (230+230)	STD AC/EC	448,0/448,0	4,34/4,71	170,6/185,5	482,0/482,0	3,64/3,99	142,5/156,4	96,0/91,6	2250	2300	2211	5310		
520 (260+260)	STD AC/EC	502,0/502,0	4,21/4,55	165,5/179,1	513,8/517,0	3,52/3,85	137,9/151	96,4/91,8	2250	2300	2211	5310		
540 (270+270)	STD EC	—/530,0	—/5,01	—/197,5	—/576,0	—/3,82	—/149,7	96,8/92,5	—	2300	2211	7556		
580 (290+290)	STD AC/EC	582,2/578,6	4,34/4,83	170,4/190,1	571,2/569,6	3,51/3,91	137,4/153,2	97,3/92,6	2250	2300	2211	7556		
600 (300+300)	STD EC	—/590,0	—/5,01	—/197,3	—/624,0	—/3,92	—/153,7	97,1/92,6	—	2300	2211	7556		
640 (320+320)	STD AC/EC	615,4/617,8	4,33/4,89	170/192,4	602,6/612,2	3,50/3,85	137/151,2	98,3/93,7	2250	2300	2211	7556		
700 (350+350)	STD AC/EC	660,0/662,0	4,40/4,79	172,9/188,5	674,0/680,0	3,50/3,87	136,9/151,9	99,2/94,1	2250	2300	2211	7556		
760 (380+380)	STD AC/EC	728,0/728,6	4,34/4,65	170,5/182,9	768,0/769,0	3,66/3,95	143,4/155,1	99,4/94,3	2250	2300	2211	7556		

1) According to EN 14511-2018: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN 14825 and Following COMMISSION REGULATION (EU) 2016/2281. 3) According to EN 14511-2018: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 4) According to EN 14825 and Following COMMISSION REGULATION (EU) No 813/2013. 5) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard.

Accessories and options

Anti-vibration rubber mount *

Desuperheater for sizes 190-380 (single unit)

Energy meter for power input

Fin&Tube Al/Cu with epoxy / Blygold treatment

High efficiency EC fan

High pressure fan (HPF)

Mechanical gauges kit (HP and LP manometers)

Accessories and options

Coil guards for sizes 150-170 (single unit)

Chiller grilles and drain pan for sizes 190-380

Power factor corrector capacitors

Shut off valves *

Soft starter

Super low noise (S) version

Compressor jackets

Accessories and options

Compressor box for sizes 190-380

Variable speed pumps

Water pressure switch

Water tank

Back to back configuration (for twin units)

* Field-installed accessories. All other accessories are factory-installed.

Accessories supplied loose

P-586595	Cascade controller (for single unit)
P-372061	Remote keyboard panel (for single unit)
tbd	Remote keyboard panel (for twin units)
P-372615	Kit 4G modem
SVC-HYD-COMM-CLD1	1-year pre-paid Cloud access (for single unit)
SVC-HYD-COMM-CLD3	3-year pre-paid Cloud access (for single unit)
P-477042	Anti-vibration spring for sizes 150-170 (single unit)
P-477044	Anti-vibration spring for sizes 190-260 C version
P-477045	Anti-vibration spring for sizes 190-260 H version

Accessories supplied loose

P-477047	Anti-vibration spring for sizes 270-380
P-477043	Anti-vibration spring with tank for sizes 150-170
P-477046	Anti-vibration spring with tank for sizes 190-260
P-477048	Anti-vibration spring with tank for sizes 290-380 C version
P-477049	Anti-vibration spring with tank for sizes 270-380 H version
P-348619	Water filter (for single unit)
tbd	Water filter (for twin units)
tbd	Back to back connection kit (for twin units)

Air cooled chillers, heat pumps and condensing units

ECOi-W AQV C/H/E · R410A

4 scroll compressors.

Plate heat exchanger.

Operation range: OAT 5 to 47 °C in cooling and -10 to 20 °C in heating (STD units).

LWT -8 to 18 °C in cooling and 20 to 55 °C in heating.



Outdoor unit	Cooling capacity ¹⁾ STD / S / HT kW	ErP data ^{2) 3)}		Heating capacity ⁴⁾ STD / S / HT kW	ErP data ^{3) 5)}		Sound power ⁶⁾ STD / S / HT dB(A)	Dimension H x W x L mm	Operating weight STD / S / HT kg	RRP £	
		SEER	n _{s,c}		SCOP	n _{s,h}					
		STD / S / HT	STD / S / HT		STD / S / HT	STD / S / HT					
ECOi-W AQV 85-140 C – chiller											
85	P-AQVE0085CA	83,5 / 80,6 / 86,2	4,55 / 4,75 / 4,73	179 / 187 / 186	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	1058 / 1088 / 1058	POA
95	P-AQVE0095CA	93,6 / 90,2 / 96,9	4,8 / 4,78 / 4,75	189 / 188 / 187	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	1072 / 1102 / 1072	
105	P-AQVE0105CA	103,0 / 98,6 / 107	4,78 / 4,98 / 4,95	188 / 196 / 195	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	1111 / 1141 / 1111	
115	P-AQVE0115CA	110,1 / 106 / 115	4,8 / 5,0 / 4,95	189 / 197 / 195	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	1143 / 1173 / 1143	
125	P-AQVE0125CA	121,9 / 119,1 / 124	4,73 / 4,8 / 4,78	186 / 189 / 188	—	—	—	88 / 86 / 95	2185 x 1095 x 3155	1183 / 1213 / 1183	
140	P-AQVE0140CA	136,6 / 133,1 / 139	4,53 / 4,6 / 4,6	178 / 181 / 181	—	—	—	88 / 86 / 95	2185 x 1095 x 3155	1262 / 1292 / 1262	
ECOi-W AQV 85-140 H – heat pump											
85	P-AQVE0085HA	81 / 78,4 / 83,5	4,25 / 4,25 / 4,6	167 / 167 / 181	91,8 / 89,5 / 93,4	3,61 / 3,61 / 3,99	141 / 141 / 157	84 / 82 / 95	2185 x 1095 x 2555	1090 / 1120 / 1090	POA
95	P-AQVE0095HA	89,9 / 86,7 / 93,4	4,68 / 4,68 / 5,02	184 / 184 / 198	102,8 / 99,8 / 104,9	3,64 / 3,64 / 3,96	143 / 143 / 155	84 / 82 / 95	2185 x 1095 x 2555	1105 / 1135 / 1105	
105	P-AQVE0105HA	98,9 / 95,1 / 104	4,63 / 4,63 / 4,95	182 / 182 / 195	110 / 108 / 113,7	3,78 / 3,78 / 4,12	148 / 148 / 162	84 / 82 / 95	2185 x 1095 x 2555	1149 / 1179 / 1149	
115	P-AQVE0115HA	106,9 / 102 / 112	4,17 / 4,17 / 4,55	164 / 164 / 179	119 / 115 / 121,9	3,77 / 3,77 / 4,07	148 / 148 / 160	84 / 82 / 95	2185 x 1095 x 2555	1180 / 1210 / 1180	
125	P-AQVE0125HA	115,8 / 112 / 118	4,33 / 4,33 / 4,6	170 / 170 / 181	134 / 129 / 135	3,47 / 3,47 / 3,73	136 / 136 / 146	88 / 86 / 95	2185 x 1095 x 3155	1227 / 1257 / 1227	
140	P-AQVE0140HA	129,2 / 124,6 / 132	4,28 / 4,28 / 4,5	168 / 168 / 177	146,9 / 142 / 148	3,54 / 3,54 / 3,77	139 / 139 / 148	88 / 86 / 95	2185 x 1095 x 3155	1301 / 1331 / 1301	
ECOi-W AQV 85-140 E – condensing unit											
85	P-AQVE0085EA	92,1 / 89 / 95	—	—	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	971 / 1001 / —	POA
95	P-AQVE0095EA	103,2 / 99,5 / 106,8	—	—	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	983 / 1013 / —	
105	P-AQVE0105EA	113,2 / 108,7 / 117,7	—	—	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	1013 / 1043 / —	
115	P-AQVE0115EA	121,8 / 116,6 / 127	—	—	—	—	—	84 / 82 / 95	2185 x 1095 x 2555	1043 / 1073 / —	
125	P-AQVE0125EA	134,7 / 131,6 / 137,2	—	—	—	—	—	88 / 86 / 95	2185 x 1095 x 3155	1066 / 1096 / —	
140	P-AQVE0140EA	151,0 / 147,2 / 153,8	—	—	—	—	—	88 / 86 / 95	2185 x 1095 x 3155	1142 / 1172 / —	

Water connections information. ECOi-W AQV 85-140 C/H – chiller / heat pump

Outdoor unit	85	95	105	115	125	140
Type of connections (evaporator)	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Inlet/outlet diameter	Inch 2½	2½	2½	2½	2½	2½

Condenser information. ECOi-W AQV 85-140 E – condensing unit

Type of connections	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed
Inlet diameter	Inch ¾	¾	¾	¾	¾	¾
Outlet diameter	Inch 1¾	1¾	1¾	1¾	1¾	1¾

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. For condensing unit models: Data refers to 7 °C leaving chilled water temperature and 35 °C condenser air temperature, according to EN 14511-2013 standard. 2) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 3) According to EN 14825. 4) According to EN 14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 5) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 6) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Anti-vibration spring dampers
Automatic circuit breaker
Coils treatments
Desuperheater
Fan speed control

Accessories and options

Hydrokit with 1 or 2 pumps with or without buffer tank
Mechanical gauges
Overload protection for compressors
Power factor corrector capacitors

Accessories and options

Several communication protocols
Soft starter
Unit protection grilles
Water differential pressure

Accessories supplied loose

P-376463	Sequencer for up to 4 chillers installation
P-347941	Remote ON / OFF
P-364735	Remote keyboard panel
P-348000	Coil guards for sizes 85-115
P-348001	Coil guards for sizes 125-140

Accessories supplied loose

P-347999	Chiller grilles for sizes 85-115
P-347998	Chiller grilles for sizes 125-140
P-473465	Pressure switch
P-348615	Water filter for sizes 85-105
P-348616	Water filter for sizes 115-140

Air cooled chillers, heat pumps and condensing units

ECOi-W VL H/E · R410A

4 scroll compressors.

Plate heat exchanger.

Operation range: OAT -5 to 47 °C in cooling and -10 to 20 °C in heating (STD units).

LWT -8 (with Brine option) to 15 °C in cooling and 30 to 50 °C in heating.



Outdoor unit		Cooling capacity ¹⁾	ErP data ²⁾		Heating capacity ³⁾	ErP data ^{2) 4)}		Sound power ⁵⁾	Dimension	Operating weight	RRP
		SEER	n _{s,c}	STD - HPF / L / S / HT	STD - HPF / L / S / HT	SCOP	n _{s,h}	STD - HPF / L / S / HT	H x W x L	STD - HPF - L / S / HT	
		kW			kW			dB(A)	mm	kg	£
ECOi-W VL 704-1 204 H – heat pump											
704	P-VLE0704HA	173,2 / 168,2 / 164,3 / 175,6	3,63 / 3 / 3,63 / 3	142 / 117 / 142 / 117	200,1 / 195,0 / 184,9 / 200,7	3,41 / 3,41 / 3,41 / 3,44	133 / 133 / 133 / 135	93/87/83/99	2300x1100x4300	1675/1710/1705	POA
804	P-VLE0804HA	197,1 / 191,2 / 185,2 / 199,7	3,55 / 3 / 3,55 / 3	139 / 117 / 139 / 117	223,2 / 217,1 / 202,9 / 224,0	3,42 / 3,42 / 3,42 / 3,40	134 / 134 / 134 / 133	93/87/83/99	2300x1100x4300	1820/1855/1850	
904	P-VLE0904HA	226,4 / 220,4 / 214,5 / 229,5	3,35 / 3,1 / 3,35 / 3,1	131 / 121 / 131 / 121	254,7 / 247,7 / 232,6 / 256,6	3,28 / 3,28 / 3,28 / 3,32	128 / 128 / 128 / 130	94/88/84/100	2300x1100x4300	1980/2015/2020	
1004	P-VLE1004HA	246,3 / 237,3 / 230,4 / 250,1	3,5 / 3,28 / 3,5 / 3,28	137 / 128 / 137 / 128	270,8 / 261,8 / 245,7 / 273,7	3,39 / 3,39 / 3,39 / 3,33	133 / 133 / 133 / 130	94/88/84/100	2300x1100x4300	2125/2165/2165	
1104	P-VLE1104HA	273,1 / 261,2 / 253,3 / 276,5	3,53 / 3,3 / 3,53 / 3,3	138 / 129 / 138 / 129	302,1 / 288,9 / 266,8 / 305,5	3,30 / 3,20 / 3,30 / 3,37	129 / 125 / 129 / 132	95/89/85/100	2300x1100x4300	2215/2255/2255	
1204	P-VLE1204HA	299,9 / 285,1 / 276,1 / 305,6	3,43 / 3,23 / 3,43 / 3,23	134 / 126 / 134 / 126	337,4 / 322,2 / 297,0 / 341,5	3,19 / 3,19 / 3,19 / 3,26	125 / 125 / 125 / 127	95/89/85/100	2300x1100x4300	2225/2265/2265	
ECOi-W VL 704-1 204 E – condensing unit											
704	P-VLE0704EA	199,0 / 194,0 / 188,5 / 201,0	—	—	—	—	—	93/87/83/99	2300x1100x4300	1490/1525/1520	POA
804	P-VLE0804EA	224,0 / 218,0 / 211,0 / 226,5	—	—	—	—	—	93/87/83/99	2300x1100x4300	1615/1650/1645	
904	P-VLE0904EA	258,0 / 251,0 / 244,0 / 261,0	—	—	—	—	—	94/88/84/100	2300x1100x4300	1700/1735/1740	
1004	P-VLE1004EA	283,0 / 272,5 / 264,5 / 286,5	—	—	—	—	—	94/88/84/100	2300x1100x4300	1825/1865/1865	
1104	P-VLE1104EA	315,0 / 301,0 / 292,0 / 318,0	—	—	—	—	—	95/89/85/100	2300x1100x4300	1910/1950/1950	
1204	P-VLE1204EA	347,0 / 330,0 / 319,0 / 353,0	—	—	—	—	—	95/89/85/100	2300x1100x4300	1920/1960/1960	

Water connections information. ECOi-W VL 704-1204 H STD / HPF – heat pump

Outdoor unit	704	804	904	1004	1104	1204
Type of connections (evaporator)	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Inlet/outlet diameter	Inch 2½	2½	3	3	3	3

Refrigerant connections information. ECOi-W VL 704-1204 E – condensing unit

Inlet diameter	Inch ¾	¾	1½	1½	1½	1½
Outlet diameter	Inch 1½	1½	2½	2½	2½	2½

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. For condensing unit models: Data refers to 7 °C leaving chilled water temperature and 35 °C condenser air temperature. 2) According to EN 14825. 3) According to EN 14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 4) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 5) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options	
Anti-vibration spring dampers	
Automatic circuit breaker	
Coils treatments	
Compressor jackets (standard on S)	
Desuperheater	
Fan speed control (-18 °C)	
Hydrokit with 1 or 2 pumps with or without buffer tank (500 L) [+1 m of length]	

Accessories supplied loose	
P-376463	Sequencer for up to 4 chillers installation
P-347941	Remote ON / OFF
P-364735	Remote keyboard panel
P-348003	Chiller grilles

Accessories and options	
Inverter fans	
Mechanical gauges	
Overload protection for compressors	
Power factor corrector capacitors	
Several communication protocols	
Soft starter	
Unit protection grilles	

Accessories supplied loose	
P-365581	Flow switch
P-473465	Pressure switch
P-348619	Water filter

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA EVO 400-800 C · R410A

4/5/6/8 scroll compressors.

Plate heat exchanger.

Operation range: OAT 10 to 46 °C in cooling. LWT -3 to 18 °C in cooling.



Outdoor unit	Nominal cooling capacity ¹⁾	ErP data ^{2) 3)}		Sound power (STD) ⁴⁾	Sound power (S) ⁴⁾	Dimension		Operating weight	RRP
	AC / EC	SEER	$\eta_{s,c}$	AC / EC	AC / EC	H x W	Length	STD / S	
	kW	AC / EC	AC / EC	dB(A)	dB(A)	mm	mm	kg	

ECOi-W AQUA EVO 400-800 C – chiller

400	P-AQAVE0400CA	390,4 / 400,0	4,48 / 4,65	176 / 183	92 / 92	60 / 60	2500 x 2175	4580 / 5620	3028 / 3318	POA
450 S	P-AQAVE0450CA	431,1 / 447,0	4,63 / 4,58	182 / 180	87 / 93	54 / 61	2500 x 2175	— / 6680	— / 3656	
490 S	P-AQAVE0490CA	470,2 / 489,0	4,58 / 4,68	180 / 184	87 / 93	54 / 60	2500 x 2175	— / 7760	— / 4069	
530 S	P-AQAVE0530CA	513,7 / 535,0	4,78 / 4,55	188 / 179	87 / 94	54 / 61	2500 x 2175	— / 7760	— / 4369	
600	P-AQAVE0600CA	584,5 / 599,0	4,58 / 4,78	180 / 188	94 / 94	61 / 61	2500 x 2175	7760 / 8800	4317 / 4597	
670	P-AQAVE0670CA	653,2 / 669,0	4,59 / 4,87	180,7 / 192	94 / 94	61 / 61	2500 x 2175	7760 / 8800	4524 / 4789	
750 S	P-AQAVE0750CA	727,7 / 751,4	4,73 / 4,65	186 / 183	89 / 95	56 / 62	2500 x 2175	— / 11000	— / 6111	
800 S	P-AQAVE0800CA	775,4 / 801,4	4,70 / 4,68	185 / 184	89 / 95	56 / 62	2500 x 2175	— / 11000	— / 6183	

Water connections information. ECOi-W AQUA EVO 400-800 C – chiller

Outdoor unit	400	450	490	530	600	670	750	800
Type of connections (evaporator and condenser)	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®
Inlet/outlet diameter	Inch 4	4	4	4	4	5	6	6

1) According to EN 14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 3) According to EN 14825. 4) Sound power is declared in nominal full load condition (cooling operation), referring to ISO standard 9614, in accordance with Eurovent certification program.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options	
Anti-vibration spring dampers	
Automatic circuit breaker	
Coils treatments	
Desuperheater	
Fan speed control (-14 °C in cooling mode – standard as EC/HPF/S versions)	
Hydrokit with 1 or 2 pumps with or without buffer tank (500 L 400-450, 1000 L 470-670)	

Accessories supplied loose	
P-376463	Sequencer for up to 4 chillers installation
P-347941	Remote ON / OFF control
P-364735	Remote keyboard panel
P-365581	Flow switch

Accessories and options	
Mechanical gauges	
Overload protection for compressors	
Power factor corrector capacitors	
Several communication protocols	
Soft starter	
Unit protection grilles	
Variable pump (for sizes 750-800 upon request)	

Accessories supplied loose	
P-473465	Pressure switch
P-348620	Water filter for sizes 400-530
P-348618	Water filter for sizes 580-750
P-362589	Water filter for size 800

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Air cooled chillers, heat pumps and condensing units

ECOi-W SW-N EVO 380-1260 C - R513A

Hybrid screw compressors combination: Inverter + step control.

Shell and tubes evaporator.

Operation range: OAT -10 [with Brine option] to 46 °C in cooling (STD units).

LWT 5 to 15 °C in cooling.



Outdoor unit	Nominal cooling capacity ¹⁾ STD - HT - HP / S kW	ErP data ^{2) 3)}		Sound power ⁴⁾ STD - HT - HP / S dB(A)	Dimension		Operating weight STD - HT - HP / S kg	RRP £
		SEER	$\eta_{s,c}$		Height	W x L		
		STD - HT - HP / S	STD - HT - HP / S		STD - HT - HP / S	STD - HT - HP / S		
					mm	mm		
ECOi-W SW-N EVO 380-1260 C – chiller								
380	P-SWVN0380CA	365,7 / 362,8	4,53 / 4,56	178 / 180	97 / 94	2510 / 2590	2192 x 4660	3896 / 3981
440	P-SWVN0440CA	443,0 / 441,8	4,64 / 4,82	182 / 190	98 / 94	2510 / 2590	2192 x 5712	4259 / 4352
510	P-SWVN0510CA	500,2 / 498,2	4,65 / 4,79	183 / 189	100 / 97	2510 / 2590	2192 x 5712	4897 / 4990
590	P-SWVN0590CA	565,8 / 563,1	4,80 / 4,89	189 / 193	100 / 97	2510 / 2590	2192 x 6764	5241 / 5323
660	P-SWVN0660CA	643,5 / 640,0	4,66 / 4,78	183 / 188	100 / 97	2510 / 2590	2192 x 7816	5620 / 5702
730	P-SWVN0730CA	704,3 / 702,5	4,56 / 4,73	179 / 186	101 / 98	2510 / 2590	2192 x 7816	6207 / 6293
810	P-SWVN0810CA	778,1 / 775,9	4,62 / 4,77	182 / 188	101 / 98	2510 / 2590	2192 x 8868	6531 / 6617
900	P-SWVN0900CA	896,9 / 893,1	4,56 / 4,69	179 / 185	102 / 99	2510 / 2590	2192 x 9920	7326 / 7412
980	P-SWVN0980CA	983,5 / 980,9	4,60 / 4,82	181 / 190	102 / 99	2510 / 2590	2192 x 10972	7764 / 7852
1060	P-SWVN1060CA	1047,4 / 1045,5	4,87 / 4,98	192 / 196	103 / 99	2510 / 2590	2192 x 12024	8491 / 8579
1160	P-SWVN1160CA	1154,0 / 1150,6	4,86 / 5,07	191 / 200	103 / 100	2510 / 2590	2192 x 13076	8875 / 8963
1260	P-SWVN1260CA	1240,5 / 1234,8	4,85 / 5,03	191 / 198	103 / 100	2510 / 2590	2192 x 13076	9074 / 9162

1) Data refers to 7 °C leaving chilled water temperature and 35 °C condenser air temperature, according EN 14511-2013 standard. 2) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281.

3) According to EN 14825. 4) Sound levels are at fully loaded conditions. Sound power values refer to ISO standard 3744.

* High temperature units (HT), data with fans at maximum speed (1100 r.p.m.). ** HPF units, data with fans at maximum speed (1100 r.p.m.).

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options
Antifreeze electric heater for hydraulic manifolds
Anti-vibration spring dampers
Chiller grilles
Compressor acoustic box
Compressor star delta start

Accessories and options
Compressor suction valve
E-coating treatment
Finned tubes (Al/Cu)
Hydro kit 1P-SP/1P-HP/2P-SP/2PHP
Mechanical gauges kit (HP and LP manometers)

Accessories and options
Power factor corrector capacitors
Several communication protocols
Variable pump

Accessories supplied loose
P-347941 Remote ON / OFF
P-364735 Remote keyboard panel
P-365581 Flow switch

Accessories supplied loose
P-348620 Water filter for sizes 320-510
P-348618 Water filter for sizes 590-730
P-362589 Water filter for sizes 810-1260

Technological innovation.

All-round variable volume flow management.

Refrigerant.

Inverter driven compressor technology and electronic expansion valve.



Air.

EC brushless fan motor technology.



Water.

Inverter driven pump technology.



Improved part load efficiency.
Continuous capacity control.
Flexible offer in plant integration.

Quick selection guide – Water cooled chillers

Page	Size	Cooling capacity (kW)	SEER	Sound power (dB(A))	Dimension LxHxW (mm)
ECOi-W WQ C · R410A	20	21,2	5,58	65	821 x 1350 x 455
	25	26,2	5,60	67	821 x 1350 x 455
	30	31,1	5,45	67	821 x 1350 x 455
	35	34,8	5,50	68	821 x 1350 x 455
	40	39,2	5,35	68	821 x 1350 x 455
	45	46,6	5,83	70	821 x 1350 x 455
P. 96	50	50,9	6,13	70	1210 x 1500 x 850
	60	61,1	6,38	70	1210 x 1500 x 850
	75	77,3	5,95	72	1210 x 1500 x 850
	90	91,1	6,70	73	1210 x 1500 x 850
	120	118,4	5,90	78	1210 x 1500 x 850
	150	147,1	6,13	81	1210 x 1500 x 850
	170	170	6,08	81	1210 x 1500 x 850
	190	192,7	6,20	81	1210 x 1500 x 850
P. 96	524	154,3	5,55	81	2250 x 1845 x 850
	604	181,8	6,28	82	2250 x 1845 x 850
	704	208,9	6,10	85	2250 x 1845 x 850
	804	232,6	5,75	87	2250 x 1845 x 850
	904	265,8	6,10	89	2250 x 1845 x 850
	1004	295,6	6,10	90	2250 x 1845 x 850
	1104	338	6,20	90	2250 x 1845 x 850
	1204	379,2	6,25	90	2250 x 1845 x 850
	1404	421,1	6,43	92	2250 x 1845 x 850
	1604	459,8	6,47	94	2250 x 1845 x 850
ECOi-W WSW-N EVO C · R513A	440	418,6	6,38	95	4250 x 1650 x 1350
	490	471,6	6,38	95	4250 x 1650 x 1350
	570	539,3	6,52	95	4210 x 1650 x 1350
	630	601,9	6,42	95	4210 x 1650 x 1350
	700	664,4	6,38	95	4180 x 1650 x 1350
	770	734,6	6,38	95	4180 x 1650 x 1350
	860	825,0	6,41	98	4510 x 1710 x 1520
	920	874,1	6,41	98	4510 x 1710 x 1520
	990	936,6	6,41	98	4600 x 1710 x 1520
	1070	1019,1	6,42	98	4650 x 1710 x 1520
P. 98	1130	1071,8	6,53	98	4650 x 1710 x 1520
	1220	1159,3	6,51	98	4650 x 1710 x 1520
	1280	1226,1	6,44	98	4650 x 1710 x 1520
	1400	1334,6	6,45	98	5350 x 1710 x 1520
	1550	1457,9	6,42	98	5350 x 1710 x 1520

Quick selection guide – Water cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension L x H x W (mm)
P. 96	ECOi-W WQ H · R410A				
	20	20,8 23,9	5,13 / 5,17	65	821 x 1350 x 455
	25	26,1 29,1	5,00 / 5,45	67	821 x 1350 x 455
	30	30,2 34,0	4,88 / 5,33	67	821 x 1350 x 455
	35	34,1 38,8	5,10 / 5,05	68	821 x 1350 x 455
	40	38,3 43,3	5,00 / 4,83	68	821 x 1350 x 455
P. 96	45	45,7 51,5	5,47 / 5,28	70	821 x 1350 x 455
	50	49,9 58,8	4,70 / 5,70	70	1210 x 1500 x 850
	60	58,9 65,9	4,88 / 5,88	70	1210 x 1500 x 850
	75	76,1 87,7	4,47 / 5,70	72	1210 x 1500 x 850
	90	88,6 104,0	4,83 / 5,78	73	1210 x 1500 x 850
	120	114,9 134,0	4,92 / 5,75	78	1210 x 1500 x 850
P. 97	150	144,3 167,0	4,97 / 5,63	81	1210 x 1500 x 850
	170	165,7 193,0	5,65 / 5,95	81	1210 x 1500 x 850
	190	185,4 215,0	5,10 / 5,63	81	1210 x 1500 x 850
	524	150,7 172,0	4,65 / 5,40	81	2250 x 1845 x 850
	604	176,2 203,0	4,92 / 5,20	82	2250 x 1845 x 850
	704	204,5 234,0	4,92 / 5,38	85	2250 x 1845 x 850
P. 97	804	225,4 259,0	4,68 / 5,35	87	2250 x 1845 x 850
	904	263,1 298,0	5,15 / 5,73	89	2250 x 1845 x 850
	1004	291,3 333,0	5,10 / 5,85	90	2250 x 1845 x 850
	1104	332,0 380,0	5,27 / 5,83	90	2250 x 1845 x 850
	1204	370,5 422,0	5,30 / 5,85	90	2250 x 1845 x 850
	1404	421,1 471,0	6,43 / —	92	2250 x 1845 x 850
P. 98	1604	459,8 509,0	6,47 / —	94	2250 x 1845 x 850
	ECOi-W WSW-N EVO H · R513A				
	440	365,9 470,3	6,53 / 4,46	95	4590 x 1650 x 1450
	490	418,9 536,5	6,38 / 4,52	95	4590 x 1650 x 1450
	570	483,2 621,7	6,40 / 4,4	95	4630 x 1650 x 1450
	630	541,0 698,6	6,38 / 4,31	95	4630 x 1650 x 1450
P. 98	700	595,6 764,7	6,45 / 4,47	95	4320 x 1650 x 1450
	770	646,6 835,9	6,60 / 4,37	95	4560 x 1650 x 1450
	860	715,5 923,0	6,40 / 4,39	98	5110 x 1680 x 1520
	920	772,0 992,7	6,50 / 4,44	98	5110 x 1680 x 1520
	990	828,1 1063,0	6,40 / 4,49	98	5100 x 1680 x 1520
	1070	891,5 1146,0	6,40 / 4,45	98	5100 x 1680 x 1520
P. 98	1130	958,8 1231,8	6,50 / 4,45	98	5000 x 1680 x 1520
	1220	1023,8 1315,8	6,48 / 4,41	98	5000 x 1680 x 1520
	1280	1078,2 1386,1	6,48 / 4,37	98	5000 x 1680 x 1520
	1400	1186,9 1523,8	6,50 / 4,45	98	5300 x 1710 x 1580
	1550	1285,5 1654,6	6,70 / 4,38	98	5300 x 1710 x 1580



Quick selection guide – Water cooled condenserless units

Page	Size	Cooling capacity (kW)	Sound power (dB(A))	Dimension L x H x W (mm)
ECOi-W WQ R · R410A	20	18,3	65	821 x 1350 x 455
	25	22,7	67	821 x 1350 x 455
	30	27,1	67	821 x 1350 x 455
	35	30,0	68	821 x 1350 x 455
	40	34,2	68	821 x 1350 x 455
	45	43,1	70	821 x 1350 x 455
P. 96				
	50	45,0	70	1210 x 1500 x 850
	60	53,4	70	1210 x 1500 x 850
	75	67,5	72	1210 x 1500 x 850
	90	80,1	73	1210 x 1500 x 850
	120	104,0	78	1210 x 1500 x 850
P. 96				
	150	128,0	81	1210 x 1500 x 850
	170	148,0	81	1210 x 1500 x 850
	190	168,0	81	1210 x 1500 x 850
	524	130,0	81	2250 x 1845 x 850
	604	155,3	82	2250 x 1845 x 850
P. 97				
	704	177,6	85	2250 x 1845 x 850
	804	196,5	87	2250 x 1845 x 850
	904	224,2	89	2250 x 1845 x 850
	1004	247,2	90	2250 x 1845 x 850
	1104	285,9	90	2250 x 1845 x 850
ECOi-W WSW-N EVO R · R513A				
	1204	316,1	90	2250 x 1845 x 850
	1404	368,0	92	2250 x 1845 x 850
	1604	397,0	94	2250 x 1845 x 850
	440	358,6	95	4590 x 1650 x 1450
	490	405,3	95	4590 x 1650 x 1450
P. 98				
	570	472,7	95	4630 x 1650 x 1450
	630	535,6	95	4630 x 1650 x 1450
	700	586,2	95	4320 x 1650 x 1450
	770	638,1	95	4560 x 1650 x 1450
	860	708,9	98	5110 x 1680 x 1520
P. 98				
	920	758,1	98	5110 x 1680 x 1520
	990	817,2	98	5100 x 1680 x 1520
	1070	886,2	98	5100 x 1680 x 1520
	1130	947,7	98	5000 x 1680 x 1520
	1220	1015,0	98	5000 x 1680 x 1520
P. 98				
	1280	1075,9	98	5000 x 1680 x 1520
	1400	1181,4	98	5300 x 1710 x 1580
	1550	1277,8	98	5300 x 1710 x 1580

Water cooled chillers, heat pumps and condenserless units

ECOi-W WQ 20-190 C/H/R · R410A

1 or 2 scroll compressors.

Plate heat exchanger.

Operation range: LWT -8 [with EEV option] to 18 °C in cooling and 25 to 55 °C in heating.



Outdoor unit	Cooling capacity ¹⁾	ErP data ^{2) 3)}		Heating capacity ⁴⁾	ErP data ^{5) 6)}			ErP data ^{5) 7)}			Sound power (STD / S) ⁸⁾	Dimension H x W x L	Operating weight	RRP
		SEER	n _{s,c}		SCOP	Energy efficiency class	n _{s,h}	SCOP	Energy efficiency class	n _{s,h}				
	kW				kW	A+++ to D		A+++ to D				dB(A)	mm	
ECOi-W WQ 20-190 C – chiller														
20 P-WQE0020CA	21,2	5,58	220	—	—	—	—	—	—	—	65 / 62	1350 x 455 x 821	162	POA
25 P-WQE0025CA	26,2	5,6	221	—	—	—	—	—	—	—	67 / 64	1350 x 455 x 821	182	
30 P-WQE0030CA	31,1	5,45	215	—	—	—	—	—	—	—	67 / 64	1350 x 455 x 821	179	
35 P-WQE0035CA	34,8	5,5	217	—	—	—	—	—	—	—	68 / 65	1350 x 455 x 821	185	
40 P-WQE0040CA	39,2	5,35	211	—	—	—	—	—	—	—	68 / 66	1350 x 455 x 821	191	
45 P-WQE0045CA	46,6	5,83	230	—	—	—	—	—	—	—	70 / 67	1350 x 455 x 821	214	
50 P-WQE0050CA	50,9	6,13	242	—	—	—	—	—	—	—	70 / 68	1500 x 850 x 1210	352	
60 P-WQE0060CA	61,1	6,38	252	—	—	—	—	—	—	—	70 / 68	1500 x 850 x 1210	371	
75 P-WQE0075CA	77,3	5,95	235	—	—	—	—	—	—	—	72 / 70	1500 x 850 x 1210	392	
90 P-WQE0090CA	91,1	6,7	265	—	—	—	—	—	—	—	73 / 71	1500 x 850 x 1210	411	
120 P-WQE0120CA	118,4	5,90	233	—	—	—	—	—	—	—	78 / 76	1500 x 850 x 1210	597	POA
150 P-WQE0150CA	147,1	6,13	242	—	—	—	—	—	—	—	81 / 79	1500 x 850 x 1210	666	
170 P-WQE0170CA	170,0	6,08	240	—	—	—	—	—	—	—	81 / 79	1500 x 850 x 1210	701	
190 P-WQE0190CA	192,7	6,2	245	—	—	—	—	—	—	—	81 / 79	1500 x 850 x 1210	745	
ECOi-W WQ 20-190 H – heat pump														
20 P-WQE0020HA	20,8	5,13	202	23,9	5,30	A+++	204	4,00	A+++	152	65 / 62	1350 x 455 x 821	165	POA
25 P-WQE0025HA	26,1	5	197	29,1	5,45	A+++	210	4,48	A+++	171	67 / 64	1350 x 455 x 821	187	
30 P-WQE0030HA	30,2	4,88	192	34,0	5,33	A+++	205	4,45	A+++	170	67 / 64	1350 x 455 x 821	184	
35 P-WQE0035HA	34,1	5,1	201	38,8	5,05	A+++	194	4,30	A+++	164	68 / 65	1350 x 455 x 821	190	
40 P-WQE0040HA	38,3	5	197	43,3	4,83	A+++	185	4,28	A+++	163	69 / 66	1350 x 455 x 821	195	
45 P-WQE0045HA	45,7	5,48	216	51,5	5,28	A+++	203	4,45	A+++	170	70 / 67	1350 x 455 x 821	219	
50 P-WQE0050HA	49,9	4,7	185	58,8	5,70	A+++	220	4,63	A+++	177	70 / 68	1500 x 850 x 1210	360	
60 P-WQE0060HA	58,9	4,88	192	65,9	5,88	A+++	227	4,78	A+++	183	70 / 68	1500 x 850 x 1210	379	
75 P-WQE0075HA	76,1	4,47	176	87,7	5,70	—	220	4,75	—	182	72 / 70	1500 x 850 x 1210	403	
90 P-WQE0090HA	88,6	4,83	190	104	5,78	—	223	4,75	—	182	73 / 71	1500 x 850 x 1210	422	
120 P-WQE0120HA	114,9	4,92	194	134	5,75	—	222	4,73	—	181	78 / 76	1500 x 850 x 1210	610	POA
150 P-WQE0150HA	144,3	4,97	196	167	5,63	—	217	4,48	—	171	81 / 79	1500 x 850 x 1210	683	
170 P-WQE0170HA	165,7	5,65	223	193	5,95	—	230	4,88	—	187	81 / 79	1500 x 850 x 1210	718	
190 P-WQE0190HA	185,4	5,1	201	215	5,63	—	217	4,68	—	179	81 / 79	1500 x 850 x 1210	762	
ECOi-W WQ 20-190 R – condenserless unit														
20 P-WQE0020RA	18,3	—	—	—	—	—	—	—	—	—	65/62	1350 x 455 x 821	144	POA
25 P-WQE0025RA	22,7	—	—	—	—	—	—	—	—	—	67 / 64	1350 x 455 x 821	164	
30 P-WQE0030RA	27,1	—	—	—	—	—	—	—	—	—	67 / 64	1350 x 455 x 821	166	
35 P-WQE0035RA	30,0	—	—	—	—	—	—	—	—	—	68 / 65	1350 x 455 x 821	166	
40 P-WQE0040RA	34,2	—	—	—	—	—	—	—	—	—	69 / 66	1350 x 455 x 821	172	
45 P-WQE0045RA	43,1	—	—	—	—	—	—	—	—	—	70 / 67	1350 x 455 x 821	172	
50 P-WQE0050RA	45,0	—	—	—	—	—	—	—	—	—	70 / 68	1500 x 850 x 1210	332	
60 P-WQE0060RA	53,4	—	—	—	—	—	—	—	—	—	70 / 68	1500 x 850 x 1210	344	
75 P-WQE0075RA	67,5	—	—	—	—	—	—	—	—	—	72 / 70	1500 x 850 x 1210	365	
90 P-WQE0090RA	80,1	—	—	—	—	—	—	—	—	—	73 / 71	1500 x 850 x 1210	376	
120 P-WQE0120RA	104,0	—	—	—	—	—	—	—	—	—	78 / 76	1500 x 850 x 1210	558	POA
150 P-WQE0150RA	128,0	—	—	—	—	—	—	—	—	—	81 / 79	1500 x 850 x 1210	612	
170 P-WQE0170RA	148,0	—	—	—	—	—	—	—	—	—	81 / 79	1500 x 850 x 1210	643	
190 P-WQE0190RA	168,0	—	—	—	—	—	—	—	—	—	81 / 79	1500 x 850 x 1210	674	

Water connections information. ECOi-W WQ 20-190 C/H/R – chiller / heat pump / condenserless unit

Outdoor unit	20	25	30	35	40	45	50	60	75	90	120	150	170	190
Type of connections (evaporator and condenser)	Victaulic®													
Inlet/outlet diameter	Inch	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Remote condenser refrigerant connections information. ECOi-W WQ 20-190 R – condenserless unit														
Type of connections	To be brazed													
Inlet - outlet diameter	Inch	3/8 - 3/8	3/8 - 7/8	3/8 - 7/8	3/8 - 7/8	3/8 - 7/8	3/8 - 7/8	3/8 - 7/8	3/8 - 7/8	3/8 - 1 1/8	3/8 - 1 1/8	3/8 - 1 1/8	1 1/8 - 1 1/8	1 1/8 - 1 1/8

1) According to EN 14511 standard: evaporator EWT/LWT 12 °C/7 °C, condenser EWT/LWT 30 °C/35 °C. FOR condenserless unit models: Data refers to evaporator water temperature 12/7 °C and condensing temperature 50 °C. 2) According to EN 14825 standard. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According to EN 14511 standard: evaporator EWT/LWT 10 °C/7 °C, condenser EWT/LWT 40 °C/45 °C. 5) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 6) According to EN 14825 standard – low temperature application (35 °C). 7) According to EN 14825 standard – medium temperature application (55 °C). 8) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard. These values are not Eurovent certified.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Compressor jackets
Desuperheater available for sizes 50-190

Accessories and options

Hydrokit with 1 or 2 pumps for evaporator and condenser
Mechanical gauges kit

Accessories and options

Modbus communication protocol
Power factor corrector capacitors
Soft starter

Accessories supplied loose

P-348089 Valves in - out for sizes 20-45
P-376463 Sequencer for up to 4 chillers installation
P-348682 Water temperature sensor for second set-point zone
P-347940 Remote ON / OFF control
P-348684 Remote keyboard panel
P-365581 Flow switch (operational only on the evaporator side)
P-473465 Pressure switch

Accessories supplied loose

P-348612 Water filter for sizes 20-45
P-348615 Water filter for sizes 50-120
P-348619 Water filter for sizes 150-190
P-348144 3 way valve for DHW production – ON / OFF – DN 20 for sizes 20-45
P-348145 3 way valve for DHW production – ON / OFF – DN 20 for sizes 50-90
P-348143 3 way valve for DHW production – ON / OFF – DN 20 for sizes 120-190

Water cooled chillers, heat pumps and condenserless units

ECOi-W WQ 524-1604 C/H/R · R410A

4 scroll compressors (tandem).

Plate heat exchanger.

Operation range: LWT -8 (with EEV option) to 18 °C in cooling and 25 to 55 °C in heating.



Outdoor unit		Cooling capacity ¹⁾	ErP data ^{2) 3)}		Heating capacity ⁴⁾	ErP data ^{5) 6)}		ErP data ^{5) 7)}		Sound power ⁸⁾	Dimension			Length	Operating weight	RRP
		SEER	$\eta_{s,c}$	SCOP		$\eta_{s,h}$	SCOP	$\eta_{s,h}$	Height		Width	Width for handling				
		kW			kW					STD / S dB(A)	STD / S mm	STD / S mm	STD / S	mm	STD / S kg	€
ECOi-W WQ 524-1604 C – chiller																
524	P-WQE0524CA	154,3	5,55	219	—	—	—	—	—	81/75	1845/1880	850/854	885/1005	2250	890/993	POA
604	P-WQE0604CA	181,8	6,28	248	—	—	—	—	—	82/76	1845/1880	850/854	885/1005	2250	971/1074	
704	P-WQE0704CA	208,9	6,1	241	—	—	—	—	—	85/79	1845/1880	850/854	885/1005	2250	1156/1259	
804	P-WQE0804CA	232,6	5,75	227	—	—	—	—	—	87/81	1845/1880	850/854	885/1005	2250	1329/1432	
904	P-WQE0904CA	265,8	6,1	241	—	—	—	—	—	89/83	1845/1880	850/854	885/1005	2250	1340/1443	
1004	P-WQE1004CA	295,6	6,1	241	—	—	—	—	—	90/84	1845/1880	850/854	885/1005	2250	1453/1556	
1104	P-WQE1104CA	338,0	6,2	245	—	—	—	—	—	90/84	1845/1880	850/854	885/1005	2250	1552/1655	
1204	P-WQE1204CA	379,2	6,25	247	—	—	—	—	—	90/84	1845/1880	850/854	885/1005	2250	1660/1763	
1404	P-WQE1404CA	421,1	6,43	254	—	—	—	—	—	92/86	1845/1880	850/854	885/1005	2250	1743/1846	
1604	P-WQE1604CA	459,8	6,47	256	—	—	—	—	—	94/88	1845/1880	850/854	885/1005	2250	1798/1901	
ECOi-W WQ 524-1604 H – heat pump																
524	P-WQE0524HA	150,7	4,65	183	172	5,40	208	4,55	174	81/75	1845/1880	850/854	885/1005	2250	909/1012	POA
604	P-WQE0604HA	176,2	4,92	194	203	5,20	200	4,38	167	82/76	1845/1880	850/854	885/1005	2250	989/1092	
704	P-WQE0704HA	204,5	4,92	194	234	5,38	207	4,48	171	85/79	1845/1880	850/854	885/1005	2250	1187/1290	
804	P-WQE0804HA	225,4	4,68	184	259	5,35	206	4,43	169	87/81	1845/1880	850/854	885/1005	2250	1360/1463	
904	P-WQE0904HA	263,1	5,15	203	298	5,73	221	4,53	173	89/83	1845/1880	850/854	885/1005	2250	1376/1479	
1004	P-WQE1004HA	291,3	5,1	201	333	5,85	226	4,58	175	90/84	1845/1880	850/854	885/1005	2250	1500/1603	
1104	P-WQE1104HA	332,0	5,27	208	380	5,83	225	4,60	176	90/84	1845/1880	850/854	885/1005	2250	1598/1701	
1204	P-WQE1204HA	370,5	5,3	209	422	5,85	226	4,60	176	90/84	1845/1880	850/854	885/1005	2250	1704/1807	
1404	P-WQE1404HA	421,1	6,43	254	471	—	—	—	—	92/86	1845/1880	850/854	885/1005	2250	1787/1890	
1604	P-WQE1604HA	459,8	6,47	256	509	—	—	—	—	94/88	1845/1880	850/854	885/1005	2250	1842/1945	
ECOi-W WQ 524-1604 R – condenserless unit																
524	P-WQE0524RA	130,0	—	—	—	—	—	—	—	81/75	1845/1880	850/854	885/1005	2250	770/873	POA
604	P-WQE0604RA	155,3	—	—	—	—	—	—	—	82/76	1845/1880	850/854	885/1005	2250	812/915	
704	P-WQE0704RA	177,6	—	—	—	—	—	—	—	85/79	1845/1880	850/854	885/1005	2250	988/1091	
804	P-WQE0804RA	196,5	—	—	—	—	—	—	—	87/81	1845/1880	850/854	885/1005	2250	1163/1266	
904	P-WQE0904RA	224,2	—	—	—	—	—	—	—	89/83	1845/1880	850/854	885/1005	2250	1188/1291	
1004	P-WQE1004RA	247,2	—	—	—	—	—	—	—	90/84	1845/1880	850/854	885/1005	2250	1241/1344	
1104	P-WQE1104RA	285,9	—	—	—	—	—	—	—	90/84	1845/1880	850/854	885/1005	2250	1328/1431	
1204	P-WQE1204RA	316,1	—	—	—	—	—	—	—	90/84	1845/1880	850/854	885/1005	2250	1388/1491	
1404	P-WQE1404RA	368,0	—	—	—	—	—	—	—	92/86	1845/1880	850/854	885/1005	2250	1463/1566	
1604	P-WQE1604RA	397,0	—	—	—	—	—	—	—	94/88	1845/1880	850/854	885/1005	2250	1502/1605	

Water connections information. ECOi-W WQ 524-1604 C/H/R – chiller / heat pump / condenserless unit

Outdoor unit		524	604	704	804	904	1004	1104	1204	1404	1604
Type of connections		Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®
Inlet/outlet diameter	Inch	2½	2½	2½	2½	4	4	4	4	4	4

Remote condenser refrigerant connections information. ECOi-W WQ 524-1604 R – condenserless unit

Type of connections		To be brazed	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed	To be brazed
Inlet diameter	Inch	¾	¾	1½	1½	1½	1½	1½	1½	1½	1½
Outlet diameter	Inch	1½	1½	1¾	1¾	1¾	1¾	1¾	1¾	1¾	1¾

1) According to EN 14511 standard: evaporator EWT/LWT 12 °C/7 °C, condenser EWT/LWT 30 °C/35 °C. 2) According to EN 14825 standard. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According to EN 14511 standard: evaporator EWT/LWT 10 °C/7 °C, condenser EWT/LWT 40 °C/45 °C. 5) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 6) According to EN 14825 standard – low temperature application (35 °C). 7) According to EN 14825 standard – medium temperature application (55 °C). 8) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard. These values are not Eurovent certified.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Desuperheater
Hydrokit with 1 or 2 pumps for evaporator and condenser
Mechanical gauges

Accessories and options

Modbus communication protocol
Soft starter

Accessories supplied loose

P-376463	Sequencer for up to 4 chillers installation
P-347941	Remote ON / OFF control
P-348684	Remote keyboard panel
P-365581	Flow switch (operational only on the evaporator side)

Accessories supplied loose

P-473465	Pressure switch
P-348619	Water filter for sizes 524-1204
P-348620	Water filter for sizes 1404-1604

Water cooled chillers, heat pumps and condenserless units

ECOi-W WSW-N EVO 440-1550 C/H/R - R513A

1 or 2 screw compressors.

Shell and tubes evaporator.

Operation range: LWT -8 to 15 °C evaporator and 25 to 60 °C condenser.



Outdoor unit	Cooling capacity ¹⁾ kW	ErP data ²⁾³⁾ SEER	n _{sc}	Heating capacity ⁴⁾ kW	Sound power ⁵⁾ STD / S dB(A)	Dimension H x W x L mm	Operating weight STD / S kg	RRP £
ECOi-W WSW-N EVO 440-1550 C – chiller								
440	P-WSWVN0440CA	418,6	6,38	252	—	95 / 85	1650 x 1350 x 4250	2690 / 2884
490	P-WSWVN0490CA	471,6	6,38	252	—	95 / 85	1650 x 1350 x 4250	2700 / 2894
570	P-WSWVN0570CA	539,3	6,52	258	—	95 / 85	1650 x 1350 x 4210	2875 / 3069
630	P-WSWVN0630CA	601,9	6,42	254	—	95 / 85	1650 x 1350 x 4210	3003 / 3197
700	P-WSWVN0700CA	664,4	6,38	252	—	95 / 85	1650 x 1350 x 4180	3472 / 3666
770	P-WSWVN0770CA	734,6	6,38	252	—	95 / 85	1650 x 1350 x 4180	3521 / 3715
860	P-WSWVN0860CA	825	6,41	254	—	98 / 89	1710 x 1520 x 4510	5000 / 5388
920	P-WSWVN0920CA	874,1	6,41	253	—	98 / 89	1710 x 1520 x 4510	5010 / 5398
990	P-WSWVN0990CA	936,6	6,41	254	—	98 / 89	1710 x 1520 x 4600	5642 / 6030
1070	P-WSWVN1070CA	1019,1	6,42	254	—	98 / 89	1710 x 1520 x 4650	5818 / 6206
1130	P-WSWVN1130CA	1071,8	6,53	258	—	98 / 89	1710 x 1520 x 4650	6012 / 6400
1220	P-WSWVN1220CA	1159,3	6,51	257	—	98 / 89	1710 x 1520 x 4650	6077 / 6465
1280	P-WSWVN1280CA	1226,1	6,44	254	—	98 / 89	1710 x 1520 x 4650	6124 / 6512
1400	P-WSWVN1400CA	1334,6	6,45	255	—	98 / 89	1710 x 1520 x 5350	6698 / 7086
1550	P-WSWVN1550CA	1457,9	6,42	254	—	98 / 89	1710 x 1520 x 5350	6752 / 7140
ECOi-W WSW-N EVO 440-1550 H – heat pump								
440	P-WSWVN0440HA	419	6,53	258	504	95 / 85	1650 x 1450 x 4590	3055 / 3249
490	P-WSWVN0490HA	479	6,38	252	576	95 / 85	1650 x 1450 x 4590	3186 / 3380
570	P-WSWVN0570HA	547	6,4	253	661	95 / 85	1650 x 1450 x 4630	3277 / 3471
630	P-WSWVN0630HA	612	6,38	252	742	95 / 85	1650 x 1450 x 4630	3197 / 3491
700	P-WSWVN0700HA	673	6,45	255	813	95 / 85	1650 x 1450 x 4320	4027 / 4221
770	P-WSWVN0770HA	731	6,6	261	887	95 / 85	1650 x 1450 x 4560	3824 / 4017
860	P-WSWVN0860HA	818	6,4	253	987	98 / 89	1680 x 1520 x 5110	5818 / 6205
920	P-WSWVN0920HA	882	6,5	257	1064	98 / 89	1680 x 1520 x 5110	5841 / 6229
990	P-WSWVN0990HA	946	6,4	253	1141	98 / 89	1680 x 1520 x 5100	6119 / 6506
1070	P-WSWVN1070HA	1013	6,4	253	1222	98 / 89	1680 x 1520 x 5100	6545 / 6932
1130	P-WSWVN1130HA	1083	6,5	257	1308	98 / 89	1680 x 1520 x 5000	6768 / 7155
1220	P-WSWVN1220HA	1156	6,48	256	1396	98 / 89	1680 x 1520 x 5000	6807 / 7194
1280	P-WSWVN1280HA	1217	6,48	256	1470	98 / 89	1680 x 1520 x 5000	6844 / 7232
1400	P-WSWVN1400HA	1340	6,5	257	1619	98 / 89	1710 x 1580 x 5300	7991 / 8378
1550	P-WSWVN1550HA	1451	6,7	265	1754	98 / 89	1710 x 1580 x 5300	8071 / 8458
ECOi-W WSW-N EVO 440-1550 R – condenserless unit								
440	P-WSWVN0440RA	358,6	—	—	—	95 / 85	1650 x 1450 x 4590	2302 / 2496
490	P-WSWVN0490RA	405,3	—	—	—	95 / 85	1650 x 1450 x 4590	2312 / 2506
570	P-WSWVN0570RA	472,7	—	—	—	95 / 85	1650 x 1450 x 4630	2456 / 2650
630	P-WSWVN0630RA	535,6	—	—	—	95 / 85	1650 x 1450 x 4630	2476 / 2670
700	P-WSWVN0700RA	586,2	—	—	—	95 / 85	1650 x 1450 x 4320	2952 / 3146
770	P-WSWVN0770RA	638,1	—	—	—	95 / 85	1650 x 1450 x 4560	2992 / 3186
860	P-WSWVN0860RA	708,9	—	—	—	98 / 89	1680 x 1520 x 5110	4804 / 5191
920	P-WSWVN0920RA	758,1	—	—	—	98 / 89	1680 x 1520 x 5110	4814 / 5201
990	P-WSWVN0990RA	817,2	—	—	—	98 / 89	1680 x 1520 x 5100	4998 / 5385
1070	P-WSWVN1070RA	886,2	—	—	—	98 / 89	1680 x 1520 x 5100	5071 / 5458
1130	P-WSWVN1130RA	947,7	—	—	—	98 / 89	1680 x 1520 x 5000	5131 / 5518
1220	P-WSWVN1220RA	1015,0	—	—	—	98 / 89	1680 x 1520 x 5000	5170 / 5557
1280	P-WSWVN1280RA	1075,9	—	—	—	98 / 89	1680 x 1520 x 5000	5190 / 5577
1400	P-WSWVN1400RA	1181,4	—	—	—	98 / 89	1710 x 1580 x 5300	5596 / 5983
1550	P-WSWVN1550RA	1277,8	—	—	—	98 / 89	1710 x 1580 x 5300	5676 / 6063

Water connections information. ECOi-W WSW-N EVO 440-1550 C/H/R – chiller / heat pump / condenserless unit

Outdoor unit	440	490	570	630	700	770	860	920	990	1070	1130	1220	1280	1400	1550
Type of connections (evaporator)	Victaulic®														
Inlet/outlet diameter	Inch	6	6	6	6	8	8	8	10	10	10	10	10	10	10

Water connections information. ECOi-W WSW-N EVO 440-1550 C/H – chiller / heat pump

Outdoor unit	440	490	570	630	700	770	860	920	990	1070	1130	1220	1280	1400	1550
Type of connections (condenser)	Victaulic®														
Inlet/outlet diameter	C	Inch	4	4	5	5	5	5	4 / 4	4 / 4	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5
	H	Inch	4	4	5	5	5	5	4 / 4	4 / 4	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5

Remote condenser refrigerant connections information. ECOi-W WSW-N EVO 440-1550 R – condenserless unit

Outdoor unit	440	490	570	630	700	770	860	920	990	1070	1130	1220	1280	1400	1550
Type of connections	To be brazed														
Inlet - outlet diameter circuit 1	Inch	1½-3½	1½-3½	2½-3½	2½-3½	2½-4½	2½-4½	1½-3½	1½-3½	2½-3½	2½-3½	2½-3½	2½-3½	2½-4½	2½-4½
Inlet - outlet diameter circuit 2	Inch	—	—	—	—	—	—	1½-3½	1½-3½	1½-3½	2½-3½	2½-3½	2½-3½	2½-4½	2½-4½

1) According to EN 14511 standard: evaporator EWT/LWT 12 °C/7 °C, condenser EWT/LWT 30 °C/35 °C. For condenserless unit models: Conditions: evaporator EWT/LWT 12 °C/7 °C, condensing Temperature 49 °C. 2) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281 and according to EN 14825 standard. 3) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard. * Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Automatic circuit breaker
Compressor stepless control

Accessories and options

Mechanical gauges
Power factor corrector capacitors

Accessories and options

Several communication protocols
Soft starter

Accessories supplied loose

P-376463 Sequencer for up to 4 chillers installation
P-347941 Remote ON / OFF control
P-364735 Remote keyboard panel
P-365581 Flow switch

Accessories supplied loose

P-348620 Water filter for sizes 440-490
P-348618 Water filter for sizes 570-770
P-362589 Water filter for sizes 860-1550

Commercial Smart Edge

Manage the entire Panasonic HVAC portfolio from a single platform – on-site or remotely, 24/7.



**COMPATIBLE
WITH ENTIRE
HVAC RANGE**



**SIMPLIFIED
COMMISSIONING**



**OPTIMISED
PLANT
MANAGEMENT**



**ADVANCED
ANALYTICS**



**PS P-SMART
EDGE**



**PS P-SMART
EDGE**

P-Smart Edge.
Smart control solution to manage the entire Panasonic HVAC range (Aquarea, RAC, PACi NX, ECOi and ECOi-W) from a single platform.

**PS P-SMART
NEXUS**

P-Smart Nexus.
Smart multi-site online control which allows a remote global supervision of all your sites.

Model code	Control points	Indoor unit connections ¹⁾
PAW-CSE-1B	100	4
PAW-CSE-2B	200	10
PAW-CSE-5B	500	25

Model code	Control points	Indoor unit connections ¹⁾
PAW-CSE-10	1000	50
PAW-CSE-2B0	2000	100

¹⁾ The final number of connected indoor units may vary depending on the range. * For the detail information, please contact an authorised Panasonic dealer.

Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our websites www.aircon.panasonic.eu or www.ptc.panasonic.eu.

Quick selection guide – Water source heat pumps

Page	Size	Cooling and heating capacity (kW)	NR sound levels (at MS)	Nominal air flow ¹⁾ (m³/h)	Pressure (Pa)	Fan	Dimension LxWxH (mm)
P. 102	15	1,5 1,9	26	435	0-140	EC	900 x 530 x 250 ²⁾
	20	2,2 2,5	30	465	0-140	EC	900 x 530 x 250 ²⁾
	30	2,9 3,7	34	525	0-140	EC	900 x 530 x 250 ²⁾
P. 103	70	7,0 8,1	52	1727	0-495	EC	1142 x 762 x 516 ²⁾
	85	8,4 9,8	50	2165	0-495	EC	1142 x 762 x 516 ²⁾
	100	10,3 11,3	56	2826	0-335	EC	1333 x 818 x 580 ²⁾
	110	11,2 12,5	54	3078	0-250	EC	1333 x 818 x 580 ²⁾
	120	12,1 13,8	55	3309	0-350	EC	1333 x 818 x 580 ²⁾
	135	13,3 14,6	57	3677	0-260	EC	1333 x 818 x 580 ²⁾
P. 104	ECOi-LOOP-N EV0 C/H - R513A	2,9 3,8	25,8 ³⁾	525	0-140	EC	900 x 636 x 250 ²⁾

1) At high speed. 2) Without air inlet/outlet options. 3) At minimum thermal load.

Commercial Smart Edge.

Manage the entire Panasonic HVAC portfolio from a single platform – on-site or remotely, 24/7.

Model code	Control points	Indoor unit connections ¹⁾
PAW-CSE-1B	100	4
PAW-CSE-2B	200	10
PAW-CSE-10	1000	50
PAW-CSE-2B0	2000	100

1) The final number of connected indoor units may vary depending on the range. * For the detail information, please contact an authorised Panasonic dealer.



**COMPATIBLE
WITH ENTIRE
HVAC RANGE**



**SIMPLIFIED
COMMISSIONING**



**OPTIMISED
PLANT
MANAGEMENT**



**ADVANCED
ANALYTICS**



P-Smart Edge.
Smart control solution to manage the entire Panasonic HVAC range (Aquarea, RAC, PACi NX, ECOi and ECOi-W) from a single platform.



P-Smart Nexus.
Smart multi-site online control which allows a remote global supervision of all your sites.



Quick selection guide – Water source heat pumps

Page	Size	Cooling and heating capacity (kW)	NR sound levels (at MS)	Nominal air flow ¹⁾ (m³/h)	Pressure (Pa)	Fan	Dimension LxWxH (mm)
ECOi-LOOP HRW H · R407C ECOi-LOOP HRWE H · R407C 	19	<div>5,3</div> <div>5,8</div>	37	1250	>50	AC	900 x 600 x 439
	27	<div>7,4</div> <div>8,3</div>	34	1190	>50	AC	1050 x 600 x 460
	27 HE	<div>7,5</div> <div>9,3</div>	34	1180	>50	AC	1050 x 660 x 460
	30	<div>8,7</div> <div>9,8</div>	35	1490	>100	AC	1050 x 660 x 460
	30 HE	<div>8,9</div> <div>10,0</div>	35	1500	>100	AC	1050 x 660 x 460
	36	<div>10,1</div> <div>11,0</div>	37	1580	>100	AC	1050 x 660 x 460
	36 HE	<div>11,1</div> <div>12,2</div>	37	1580	>100	AC	1250 x 705 x 513
	42	<div>11,4</div> <div>14,4</div>	40	2040	>100	AC	1250 x 705 x 513
	42 HE	<div>12,5</div> <div>14,5</div>	40	2040	>100	AC	1250 x 705 x 513
	48	<div>13,0</div> <div>14,9</div>	43	2750	>100	AC	1250 x 705 x 513
	60	<div>14,3</div> <div>16,1</div>	43	2840	>100	AC	1250 x 705 x 513
	60 HE	<div>16,7</div> <div>18,8</div>	43	2840	>100	AC	1250 x 705 x 583
	72	<div>17,1</div> <div>21,5</div>	39	3570	>100	AC	1250 x 705 x 513
	72 HE	<div>20,6</div> <div>22,6</div>	39	3800	>100	AC	1680 x 955 x 770
	96	<div>21,7</div> <div>26,6</div>	54	4700	>100	AC	1680 x 955 x 770
	96 HE	<div>24,5</div> <div>28,5</div>	54	4700	>100	AC	1680 x 955 x 770
	20	<div>30,0</div> <div>38,1</div>	53	5600	>200	AC	1680 x 955 x 770
ECOi-LOOP FS H · R407C 	12	<div>2,7</div> <div>3,2</div>	40	510	0	AC/EC	1138 x 251 x 821 ²⁾
ECOi-LOOP-N FS H · R513A 	7	<div>1,7</div> <div>1,8</div>	34	340	0	AC/EC	1138 x 260 x 821 ²⁾
P. 107	9	<div>2,0</div> <div>2,6</div>	36	400	0	AC/EC	1138 x 260 x 821 ²⁾

1) At high speed. 2) Standard unit with cabinet and feet.

Water source heat pumps

ECOi-LOOP 15-30 C/H · R410A

Rotary compressor.

Coaxial heat exchanger.

EC fan.

Horizontal installation.



Water source heat pumps	Total capacity		Nominal air flow	Dimension	Operating weight	RRP
	Cooling ¹⁾	Heating ²⁾		Without air inlet/outlet options	Without air inlet/outlet options	
	W	W		L x W x H	kg	
m³/h						
mm						
ECOi-LOOP 15-30 C – cooling only						
15	P-LPE015CA	1507	—	435	900 x 530 x 250	48
20	P-LPE020CA	2151	—	465	900 x 530 x 250	48
30	P-LPE030CA	2902	—	525	900 x 530 x 250	48
ECOi-LOOP 15-30 H – heat pump						
15	P-LPE015HA	1507	1934	435	900 x 530 x 250	48
20	P-LPE020HA	2151	2510	465	900 x 530 x 250	48
30	P-LPE030HA	2902	3680	525	900 x 530 x 250	48

Hydraulic circuit information

Water source heat pumps		15	20	30
Water heat exchanger	Number / type	1 / coaxial	1 / coaxial	1 / coaxial
Maximum water pressure	bar	10	10	10
Connections - inlet/outlet (Ø)	Inch	½ Male gas	½ Male gas	½ Male gas
Condensate outlet - external (Ø)	mm	16	16	16

1) Nominal cooling capacities based on entering air temperature of 27 °C DB, 19 °C WB with entering water temperature of 30 °C. 2) Nominal heating capacities based on entering air temperature of 20 °C DB, 15 °C WB with entering water temperature of 20 °C.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Air outlet silencer

Basic or G3M1 filter

Circuit breaker

Modbus RTU protocol-standard. Controller with BACnet MSTP – optional (BACnet IP, LON and Modbus TCP/IP available upon request)

Drain outlet

Drain pump

Accessories supplied loose

P-393446 RCS kit remote control with thermostat (POL822)

P-375281 SRC – mini BMS controller (only with Modbus RTU)

Accessories and options

Electric heaters

Flow switch control

Insulation around the fan

Many air inlet/outlet and water connection configurations

Pressostatic valve (cooling only)

Room temperature sensor

Accessories supplied loose

P-372061 Kit remote keyboard panel

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Water source heat pumps

ECOi-LOOP-N 70-135 H · R513A

Scroll compressor. Coaxial heat exchanger.

EC fan. Horizontal installation.

In-line or perpendicular air flow.



Water source heat pumps	Total capacity		Nominal air flow Max (HS) m³/h	Nominal static pressure Pa	Dimension Without air inlet/outlet options L x W x H mm	Operating weight Without air inlet/outlet options kg	RRP
	Cooling ¹⁾	Heating ²⁾					
	W	W					€
70 P-LPN070HA	7011	8069	1727	100	1142 x 762 x 516	134	POA
85 P-LPN085HA	8407	9808	2165	100	1142 x 762 x 516	134	
100 P-LPN100HA	10290	11307	2826	100	1333 x 818 x 580	153	
110 P-LPN110HA	11183	12514	3078	100	1333 x 818 x 580	153	
120 P-LPN120HA	12105	13834	3309	100	1333 x 818 x 580	160	
135 P-LPN135HA	13301	14639	3677	100	1333 x 818 x 580	160	

Hydraulic circuit information

Water source heat pumps		70	85	100	110	120	135
Water heat exchanger	Number / type	1 / coaxial	1 / coaxial	1 / coaxial	1 / coaxial	1 / coaxial	1 / coaxial
Maximum water pressure	Bar	10	10	10	10	10	10
Hydraulic connections - inlet/outlet	Inch	1 Male gas	1 Male gas	1 Male gas	1 Male gas	1 Male gas	1 Male gas
Condensate outlet (Ø)	mm	19	19	19	19	19	19

1) Nominal cooling capacities based on entering air temperature of 27 °C DB, 19 °C WB with entering water temperature of 30 °C. 2) Nominal heating capacities based on entering air temperature of 20 °C DB, 15 °C WB with entering water temperature of 20 °C.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

G2M1 filter or G3 filter

Circuit breaker

Modbus RTU protocol-standard. Controller with BACnet MSTP – optional (BACnet IP, LON and Modbus TCP/IP available upon request)

Drain pump

Accessories supplied loose

P-393446 RCS kit remote control with thermostat (POL822)

P-375281 SRC – mini BMS controller (only with Modbus RTU)

Accessories and options

Electric heaters

Flow switch control

General default report

Many air configurations

Room temperature sensor

Accessories supplied loose

P-372061 Kit remote keyboard panel

What is a water loop system with water source heat pumps?

The water loop system enables distributed cooling and heating production at different temperatures with a single water circuit.

The recovery of condensation heat units in cooling can be used for units in heating and vice-versa, thus providing a balanced and highly efficient system. These indoor units are called water source heat pumps which are equipped with a compressor and 2 heat exchangers to allow energy transfer between the water loop and air within the space.



**SIMULTANEOUS
HEATING AND
COOLING**



**HIGH SEASONAL
EFFICIENCY**



SCALABILITY



**ZONING
CONTROL**



Water source heat pumps

ECOi-LOOP-N EVO C/H · R513A

Inverter rotary compressor.

Coaxial heat exchanger.

EC fan.

Horizontal installation.



Water source heat pumps	Total capacity		Nominal air flow (at low and high speeds)	Dimension	Operating weight	RRP £
	Cooling ¹⁾	Heating ²⁾		Without air inlet/outlet options	Without air inlet/outlet options	
	Min - Max ³⁾	Min - Max ³⁾		L x W x H		
	W	W		m³/h	mm	
EC0i-LOOP-N EVO C – cooling only						
P-LPVN030CA	1687 - 2948	—	290 - 525	900 x 636 x 250	51	POA
EC0i-LOOP-N EVO H – heat pump						
P-LPVN030HA	1687 - 2948	2004 - 3769	290 - 525	900 x 636 x 250	51	POA

Hydraulic circuit information

Water source heat pumps

Water heat exchanger	Number / type	1 / coaxial
Maximum water pressure	bar	10
Connections - inlet/outlet (Ø)	Inch	½ Male gas
Condensate outlet - external (Ø)	mm	16

1) Nominal cooling capacities based on entering air temperature of 27 °C DB, 19 °C WB with entering water temperature of 30 °C. 2) Nominal heating capacities based on entering air temperature of 20 °C DB, 15 °C WB with entering water temperature of 20 °C. 3) Thermal load.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Air outlet silencer

Basic or G3M1 filter

Circuit breaker

Modbus RTU protocol-standard. Controller with BACnet MSTP – optional (BACnet IP, LON and Modbus TCP/IP available upon request)

Drain outlet

Drain pump

Accessories supplied loose

P-393446 RCS kit remote control with thermostat (POL822)

P-375281 SRC – mini BMS controller (only with Modbus RTU)

Accessories and options

Electric heaters

Flow switch control

General default report

Insulation around the fan

Many air inlet/outlet and water connection configurations

Room temperature sensor

Accessories supplied loose

P-372061 Kit remote keyboard panel

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Water source heat pumps

ECOi-LOOP HRW H and ECOi-LOOP HRWE H · R407C

Rotary/scroll compressor.

Plate heat exchanger.

AC fan. Horizontal installation.

G2M1 filter.



Water source heat pumps	Total capacity		Nominal air flow	Dimension	Operating weight	RRP
	Cooling ¹⁾	Heating ²⁾				
	W	W	m ³ /h	L x W x H mm	kg	€

ECOi-LOOP HRW H – heat pump

19	P-LPHM019HA*** ³⁾	5278	5826	1250	900 x 600 x 439	80	POA
27	P-LPHM027HA*** ³⁾	7419	8342	1190	1050 x 600 x 460	100	
30	P-LPHM030HA*** ³⁾	8691	9759	1490	1050 x 660 x 460	100	
36	P-LPHM036HA*** ³⁾	10138	11036	1580	1050 x 660 x 460	112	
42	P-LPHM042HA*** ³⁾	11366	14422	2040	1250 x 705 x 513	133	
48	P-LPHM048HA*** ³⁾	12965	14904	2750	1250 x 705 x 513	140	
60	P-LPHM060HA*** ³⁾	14344	16147	2840	1250 x 705 x 513	144	
72	P-LPHM072HA*** ³⁾	17174	21500	3570	1250 x 705 x 513	149	
96	P-LPHM096HA*** ³⁾	21743	26637	4700	1680 x 955 x 770	253	
120	P-LPHM120HA*** ³⁾	29951	38109	5600	1680 x 955 x 770	262	

ECOi-LOOP HRWE H – heat pump

27	P-LPHEM027HA*** ³⁾	7320	9252	1180	1050 x 660 x 460	112	POA
30	P-LPHEM030HA*** ³⁾	8710	9960	1500	1050 x 660 x 460	100	
36	P-LPHEM036HA*** ³⁾	11060	12200	1580	1250 x 705 x 513	133	
42	P-LPHEM042HA*** ³⁾	12500	14450	2040	1250 x 705 x 513	135	
60	P-LPHEM060HA*** ³⁾	16700	18800	2840	1250 x 705 x 583	149	
72	P-LPHEM072HA*** ³⁾	20600	22600	3800	1680 x 955 x 770	253	
96	P-LPHEM096HA*** ³⁾	24500	28500	4700	1680 x 955 x 770	259	

Hydraulic circuit information

Water source heat pumps		019	027	030	036	042	048	060	060 HE	072	072 HE	096	120
Number of plate heat exchanger		1	1	1	1	1	1	1	1	1	1	1	1
Maximum water pressure	bar	16	16	16	16	16	16	16	16	16	16	16	16
Connections - inlet/outlet (Ø)	Inch	ISO G ¾ INT	ISO G ¾ INT	ISO G ¾ INT	ISO G ¾ INT	ISO G ¾ INT	ISO G ¾ INT	ISO G ¾ INT	ISO G 1¼	ISO G ¾ INT	ISO G 1¼	ISO G 1¼	ISO G 1¼
Condensate outlet - external (Ø)	mm	19	19	19	19	19	19	19	19	19	22	22	22

1) Nominal cooling capacities based on: entering air temperature of 27 °C DB, 19 °C WB with entering water temperature of 30 °C. 2) Nominal heating capacities based on: entering air temperature of 20 °C DB, 15 °C WB with entering water temperature of 20 °C. 3) *** HWA: units without RCS, HRA: units with RCS, HBA: units with RCS + EH, HHA: units with EH.

* Check data and configuration on the technical documentation. POA: Price On Applications.

Accessories and options

Circuit breaker

Modbus RTU protocol-standard. Controller with BACnet MSTP – optional (BACnet IP, LON and Modbus TCP/IP available upon request)

Electric heaters

General alarm dry contact

Accessories and options

Main switch

Motorized water valve

Room sensor

G3 filter (available upon request)

Accessories supplied loose

P-393446 RCS kit remote control with thermostat (POL822)

P-375281 SRC – mini BMS controller (only with Modbus RTU)

Accessories supplied loose

P-372061 Kit remote keyboard panel

Water source heat pumps

ECOi-LOOP FS H · R407C

Rotary compressor.
Plate heat exchanger.
AC/EC fan.
Vertical installation.



Water source heat pumps	Total capacity		Air flow Max m³/h	Dimension with cabinet		Dimension without cabinet		Operating weight Without / with cabinet kg	RRP £
	Cooling ¹⁾	Heating ²⁾		Standard (VC)	Low height (VCL)	Standard (VN)	Low height (VNL)		
	W	W		L x W x H mm	mm	mm	mm		
12 P-LPFSM12HA	2743	3156	510	1138 x 251 x 720 min / 750 max (821 with feet)	1323 x 251 x 580 min / 610 max (683 with feet)	1043,5 (1086 with feet) x 229 x 667,5 min / 697,5 max (769,5 with feet)	1182,5 (1183 with feet) x 229 x 525 min / 555 max (627 with feet)	60 / 75	

Hydraulic circuit information

Water source heat pumps	7	9	12
Number of plate heat exchanger	1	1	1
Maximum water pressure	bar 10	10	10
Connections - inlet/outlet (ø)	Inch ISO G ½ INT	ISO G ½ INT	ISO G ½ INT
Condensate outlet - external (Ø)	mm 15 x 20	15 x 20	15 x 20

1) Nominal cooling capacities based on: entering air temperature of 27 °C DB/19 °C WB, with entering water temperature of 30 °C. 2) Nominal heating capacities based on: entering air temperature of 20 °C DB/15 °C WB, with entering water temperature of 20 °C.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Modbus RTU protocol-standard. Controller with BACnet MSTP – optional (BACnet IP, LON and Modbus TCP/IP available upon request)

EC fan

Feet

Accessories supplied loose

P-393446 RCS kit remote control with thermostat (POL822)

P-375281 SRC – mini BMS controller (only with Modbus RTU)

P-372061 Kit remote keyboard panel

Accessories and options

General remote alarm contact

Low noise

Many electric, hydraulic and aeraulic configurations

Thermal overload

Accessories supplied loose

P-372734 Kit front air intake cabinet

P-372642 Kit front air intake cabinet (low height)

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Water source heat pumps

ECOi-LOOP-N FS H · R513A

Rotary compressor.

Plate heat exchanger (coaxial exchanger upon request).

AC/EC fan.

Vertical installation.



Water source heat pumps	Total capacity		Air flow Max m³/h	Dimension with cabinet		Dimension without cabinet		Operating weight Without / with cabinet kg	RRP
	Cooling ¹⁾	Heating ²⁾		Standard (VC) L x W x H	Low height (VCL)	Standard (VN)	Low height (VNL)		
	W	W		mm	mm	mm	mm		£
7 P-LPFSN07HA	1690	1790	400	1138 x 260 x 720 min / 750 max (821 with feet)	1322 x 260 x 582 min / 612 max (683 with feet)	1055 (1084 with feet) x 241 x 667 min / 697 max (769 with feet)	1185 (1270 with feet) x 241 x 525 min / 555 max (626 with feet)	55 / 70	POA
9 P-LPFSN09HA	2040	2630	460	1138 x 260 x 720 min / 750 max (821 with feet)	1322 x 260 x 582 min / 612 max (683 with feet)	1055 (1084 with feet) x 241 x 667 min / 697 max (769 with feet)	1185 (1270 with feet) x 241 x 525 min / 555 max (626 with feet)	58 / 73	

Hydraulic circuit information

Water source heat pumps	7	9
Number of plate heat exchanger	1	1
Maximum water pressure	Bar 10	10
Hydraulic connections - inlet/outlet	Inch Female ISO G ½ INT	Female ISO G ½ INT
Condensate outlet (Ø)	mm 15 x 20	15 x 20

1) Nominal cooling capacities based on: entering air temperature of 27 °C DB/19 °C WB, with entering water temperature of 30 °C. 2) Nominal heating capacities based on: entering air temperature of 20 °C DB/15 °C WB, with entering water temperature of 20 °C.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

Modbus RTU protocol-standard. Controller with BACnet MSTP – optional (BACnet IP, LON and Modbus TCP/IP available upon request)

EC fan

Feet

Accessories supplied loose

P-393446 RCS kit remote control with thermostat (POL822)

P-375281 SRC – mini BMS controller (only with Modbus RTU)

P-372061 Kit remote keyboard panel

Accessories and options

General remote alarm contact

Low noise

Many electric, hydraulic and aerualic configurations

Thermal overload

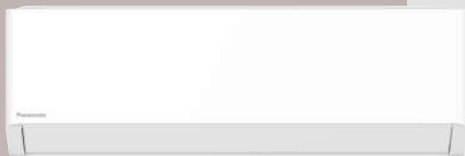
Accessories supplied loose

P-372734 Kit front air intake cabinet

P-372642 Kit front air intake cabinet (low height)

Fan coil units

Panasonic offers you a complete range of fan coil units. Stylish, premium units for residential projects with a sophisticated, compact design and customisable, flexible units for commercial applications with a wide range of options and accessories available.





NEW

Flex Air Smart fan coil – Medium static pressure duct.

- nanoe™ X technology to improve protection 24/7 (Generator Mark 3)
- Compatibility with Panasonic's PACi NX and VRF controllers
- Compact unit: only 250mm height
- Ideal for commercial and residential applications

Launching soon in Summer 2026.

Flex Air Smart fan coil – Wall-mounted.

- Stylish design
- nanoe™ X technology to improve protection 24/7 (Generator Mark 3)
- Quiet operation
- 3 way valve integrated
- Ideal for commercial and residential applications
- Compatibility with Panasonic's PACi NX and VRF controllers

Aquarea Air Smart fan coils.

Aquarea Air Smart fan coils have a minimal visual impact and can be elegantly integrated into any home or office environment, adapting to any type of furniture. Designed to provide both heating and cooling in one compact unit, they maximise energy savings when combined with an Aquarea Heat Pumps.

Flex Air Smart fan coils.

Flex Air Smart fan coils are integrated with nanoe™ X technology to improve protection 24/7 (Generator Mark 3). They are fully compatible with a wide range of Panasonic's PACi NX and VRF individual and group controllers, offering seamless integration.

They are ideal for both residential and commercial applications.

Flex Air fan coils.

A large range of fan coil units dedicated to commercial applications.

Fully customisable thanks to the numerous options and accessories available. Silent and low consumption units providing flexibility, energy savings, comfort and quality for any installation: hotels, shops, restaurants, offices or residential applications.

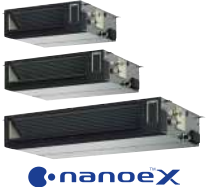
AC SELECT.

Use AC SELECT to choose and configure your fan coil units.

Panasonic online selection tool offers an easy and quick solution to specify all the units at required conditions.

<https://acselect.panasonic.eu/>

Quick selection guide – Flex Air Smart fan coils

Page	Size	Cooling and heating capacity ¹⁾ (kW)	Air flow (m³/h)	Pressure (Pa)	Fan	Dimension H x W x D (mm)
Fan coil wall-mounted P. 111 	19		345	—	DC	295 x 890 x 244
	24		416	—	DC	295 x 890 x 244
	27		480	—	DC	295 x 890 x 244
	36		710	—	DC	295 x 890 x 244
	45		753	—	DC	295 x 1060 x 249
	52		879	—	DC	295 x 1060 x 249
NEW! Fan coil medium static duct P. 112 	23		590	120	DC	250 x 800 x 730
	28		680	120	DC	250 x 800 x 730
	40		576	120	DC	250 x 800 x 730
	52		980	120	DC	250 x 1000 x 730
	70		1230	120	DC	250 x 1000 x 730
	80		1180	120	DC	250 x 1400 x 730
	93		1500	120	DC	250 x 1400 x 730

Quick selection guide – Flex Air fan coils

Page	Size	Cooling and heating capacity ¹⁾ (kW)	Air flow ¹⁾ (m³/h)	Pressure (Pa)	Fan	Dimension ²⁾ H x W x D (mm)
Fan coil comfort P. 113 	10		417	—	AC/EC	477 x 766 x 225
	20		413	—	AC/EC	477 x 766 x 225
	30		345	—	AC/EC	477 x 951 x 225
	40		678	—	AC/EC	477 x 1136 x 225
	50		816	—	AC/EC	477 x 1321 x 225
	60		912	—	AC/EC	477 x 1506 x 225
	70		1050	—	AC/EC	575 x 1319 x 225
	80		1063	—	EC	575 x 1506 x 225
Fan coil cassette P. 114 	20		659	—	AC/EC	341 x 595 x 595
	30		734	—	AC/EC	341 x 595 x 595
	40		900	—	AC/EC	341 x 595 x 595
	50		979	—	AC/EC	358 x 849 x 849
	60		1159	—	AC/EC	358 x 849 x 849
	70		1598	—	AC/EC	358 x 849 x 849
	7		360	—	AC	275 x 845 x 180
Fan coil wall-mounted P. 115 	9		551	—	AC	275 x 845 x 180
	18		680	—	AC	298 x 940 x 200
	22		850	—	AC	298 x 940 x 200
	10		357	0-70	EC	223 x 633 x 631
Fan coil duct P. 116 	15		491	0-90	EC	223 x 733 x 631
	20		599	0-90	EC	223 x 833 x 631
	25		642	0-90	EC	223 x 933 x 631
	30		1068	0-90	EC	223 x 933 x 631
	40		1293	0-90	EC	223 x 1233 x 653
	7		1125	0-110	AC/EC	250 x 1200 x 698
Fan coil high static duct P. 117 	15		2830	0-200	AC/EC	375 x 1380 x 798
	18		2830	0-200	AC/EC	375 x 1380 x 798
	21		2830	0-200	AC/EC	375 x 1380 x 798
	24		3736	0-220	AC/EC	450 x 1500 x 798
	27		3736	0-220	AC/EC	450 x 1500 x 798

1) Data for fan coil comfort, cassette and duct EC/DC fan 2-pipe version. Data for fan coil high static duct AC fan / 2-pipe version. 2) Fan coil comfort: with cabinet / without feet / vertical installation. Fan coil cassette: casing + IRYIS COANDA 360 diffuser. Fan coil duct and high static duct: horizontal installation / configuration: rectangular return and discharge.

Flex Air Smart fan coils

Flex Air Smart fan coil – Wall-mounted DC fan – FK1

Version: 2-pipe, with/without 3 way valve.

nanoe™ X (Generator Mark 3).

Stylish design and low energy consumption DC fan.

Smart control via Comfort Cloud App.

Optional 





Flex Air Smart fan coil			Total capacity		Energy efficiency class				Air flow	Dimension	Weight	RRP*	
	Standard model	With 3 way valve	Cooling ¹⁾	Heating ²⁾	FCEER ¹⁾		FCCOP ²⁾		Cool ¹⁾ / Heat ²⁾	H x W x D	kg	Standard model	With 3 way valve
			Max kW	Max kW	A to E	%	A to E	%				£	£
1ph 2-pipe	S-19FK1E0	S-19FK1E	1,90	2,23	B	144,2	B	160,0	345/406	295 x 890 x 244	12	POA	POA
	S-24FK1E0	S-24FK1E	2,41	2,72	B	166,9	B	167,0	416/489	295 x 890 x 244	13		
	S-27FK1E0	S-27FK1E	2,73	3,01	B	172,1	B	170,5	480/545	295 x 890 x 244	13		
	S-36FK1E0	S-36FK1E	3,61	4,03	B	169,3	B	173,4	710/765	295 x 890 x 244	13		
	S-45FK1E0	S-45FK1E	4,50	5,13	A	226,8	B	208,5	753/925	295 x 1060 x 249	14		
	S-52FK1E0	S-52FK1E	5,23	5,33	A	213,0	B	198,0	879/960	295 x 1060 x 249	14		

Water connections information

Flex Air Smart fan coil	19	24	27	36	45	52
Type of connections	Female gas threaded		Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
Water connections	Inch	1/2	1/2	1/2	1/2	1/2

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

* These prices don't include accessories and options. ** Check data and configuration on AC SELECT.

Accessories supplied loose

TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)

CZ-RWS3 – infrared remote controller

CZ-RTC5B – wired remote controller with Econavi function

CZ-RTC6W – CONEX wired remote controller (non-wireless), white

CZ-RTC6WBL – CONEX wired remote controller with Bluetooth®, white

CZ-RTC6WBLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, white

CZ-RTC6 – CONEX wired remote controller (non-wireless), black

Accessories supplied loose

CZ-RTC6BL – CONEX wired remote controller with Bluetooth®, black

CZ-RTC6BLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, black

CZ-CENSC1 – Econavi energy saving sensor

PAW-FC-903EC – wired remote controller

CZ-64ESMC3 – system controller for 64 indoor units

CZ-256ESMC3 – centralised controls up to 256 indoor units

CZ-ANC3 – central ON / OFF controller, up to 16 groups, 64 indoor units

Flex Air Smart fan coil – Wall-mounted.

Great flexibility and improved air quality for your projects.

Flex Air Smart fan coil – Wall-mounted unit is the first Panasonic water fan coil integrated with nanoe™ X technology for improved air quality and compatible with individual and centralised PACi NX/VRF controls.



COMPATIBILITY WITH
PACi NX/VRF CONTROLS



× QUIET OPERATION



STYLISH DESIGN



MOTORISED LOUVERS



COMPACT FOOTPRINT

Flex Air Smart fan coils

NEW! Flex Air Smart fan coil – Medium static pressure duct DC fan – FF1

Versions: 2-pipe and 4-pipe.

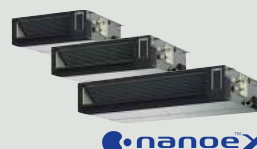
nanoe™ X (Generator Mark 3).

Low energy consumption DC fan.

Smart control via Comfort Cloud App.

Optional 

NEW



Flex Air Smart fan coil*		Total capacity		Energy efficiency class ³⁾		Air flow ⁴⁾	External static pressure	Dimension	Weight	RRP*	
		Cooling ¹⁾	Heating ²⁾	FCEER	FCCOP						
		Max	Max	A to E	A to E						
		kW	kW			Max	Max	H x W x D	kg	£	
		m³/h					Pa	mm			
1ph	2-pipe	S-23FF12DA	2,30	2,70	A	A	590	120	250 x 800 x 730	26	POA
		S-28FF12DA	2,80	3,30	A	A	680	120	250 x 800 x 730	26	
		S-40FF12DA	4,00	4,20	A	A	576	120	250 x 800 x 730	33	
		S-52FF12DA	5,00	5,20	A	A	980	120	250 x 1000 x 730	33	
		S-70FF12DA	7,00	7,50	A	A	1230	120	250 x 1000 x 730	33	
		S-80FF12DA	8,00	8,30	A	A	1180	120	250 x 1400 x 730	47	
	4-pipe	S-93FF12DA	9,30	9,80	A	A	1500	120	250 x 1400 x 730	47	
		S-23FF14DA	2,14	4,95	A	A	420	120	250 x 800 x 730	26	
		S-28FF14DA	2,71	5,96	A	A	600	120	250 x 800 x 730	26	
		S-40FF14DA	3,74	5,16	A	A	460	120	250 x 800 x 730	33	
		S-52FF14DA	4,75	7,10	A	A	780	120	250 x 1000 x 730	33	
		S-70FF14DA	6,87	8,56	A	A	1110	120	250 x 1000 x 730	33	
		S-80FF14DA	7,31	10,16	A	A	1110	120	250 x 1400 x 730	47	
		S-93FF14DA	8,71	11,36	A	A	1360	120	250 x 1400 x 730	47	

Water connections information

Flex Air Smart fan coil	23	28	40	50	70	80	93
Type of connections	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
Water connections	Inch 1/2	1/2	1/2	3/4	3/4	3/4	3/4

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

* Available in Summer 2026. ** These prices don't include accessories and options. *** Check data and configuration on AC SELECT.

Accessories and options

2W or 3W – 2 way or 3 way valves
CB – Circuit breakers
PUMP – Drain pump
EH – Electric heaters (from 500 W to 2500 W)
Fresh air intake Ø 100 mm
FH – Fuse holder

Accessories and options

G2 / G3 / G4 filters
Other speeds configuration (standard factory set speeds in technical table)
Many air inlet/outlet configurations
HL/ER – Hydraulic left – electric right
HR/ER – Hydraulic right – electric right

Accessories supplied loose

SRC – Smart remote control – Mini building management system (only with Modbus RTU)
CZ-RTC6W – CONEX wired remote controller (non-wireless), white
CZ-RTC6WBL – CONEX wired remote controller with Bluetooth®, white
CZ-RTC6WBLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, white
CZ-RTC6 – CONEX wired remote controller (non-wireless), black
CZ-RTC6BL – CONEX wired remote controller with Bluetooth®, black

Accessories supplied loose

CZ-RTC6BLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, black
CZ-RWS3 + CZ-RWRC3 – Infrared remote controller and receiver
PAW-FC-907EC – Wired remote controller with touch control
PAW-FC-903EC – Wired remote controller
CZ-64ESMC3 – system controller for 64 indoor units
CZ-256ESMC3 – centralised controls up to 256 indoor units
KIT REMOTE SENSOR – Remote sensor for ducted unit

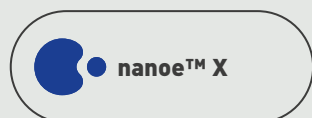
Flex Air Smart fan coils: nanoe™ X technology and compatibility with PACi NX and VRF controllers.

Flex Air Smart fan coils wall-mounted and medium static pressure duct units are integrated with nanoe™ X technology to improve protection 24/7 (Generator Mark 3). They are compatible with Panasonic's PACi NX and VRF controllers for seamless integration and high flexibility.

Wall-mounted DC fan – FK1



Medium static pressure duct DC fan – FF1



Flex Air fan coils

Flex Air fan coil – Comfort AC/EC fan

Versions: 2-pipe, 2-pipe + electric heater and 4-pipe.

Configuration: vertical or horizontal with or without cabinet.

5-speed AC fan motor(s) or low energy consumption EC fan(s).



Flex Air fan coil – with cabinet (B/D), without cabinet (A/C), left-hand piping (Q), right-hand piping (T)		Total capacity		Energy efficiency class ³⁾		Air flow	Dimension		Weight	With cabinet (ceiling)		With cabinet (floor)		RRP* Without cabinet		
		Cooling ¹⁾	Heating ²⁾				With cabinet - without feet - vertical installation	Without cabinet - vertical installation								
		Max kW	Max kW	FCEER A to E	FCCOP A to E	Max m³/h	H x W x D mm	H x W x D mm	kg	BQ £	BT £	DQ £	DT £	AQ-CQ £	AT-CT £	
Flex Air fan coil – Comfort AC fan																
1ph	2-pipe	P-FC10	1,45	1,71	E	E	283	477 x 766 x 225	430 x 570 x 220	19 / 13	POA	POA	POA	POA	POA	POA
	P-FC20	1,38	1,53	E	E	196	477 x 766 x 225	430 x 570 x 220	19 / 13							
	P-FC30	2,37	2,49	D	E	390	477 x 951 x 225	430 x 753 x 220	22 / 15							
	P-FC40	3,02	3,18	D	E	499	477 x 1136 x 225	430 x 938 x 220	27 / 20							
	P-FC50	4,64	4,81	D	E	716	477 x 1321 x 225	430 x 1122 x 220	30 / 22							
	P-FC60	5,53	5,63	D	E	933	477 x 1506 x 225	430 x 1307 x 220	35 / 26							
	P-FC70	6,91	7,41	D	E	1064	575 x 1319 x 225	530 x 1121 x 220	35 / 27							
	P-FC10	1,24	1,41	E	E	253	477 x 766 x 225	430 x 570 x 220	20 / 14							
	P-FC20	1,73	1,68	D	D	241	477 x 766 x 225	430 x 570 x 220	20 / 14							
	P-FC30	2,28	2,13	D	D	369	477 x 951 x 225	430 x 753 x 220	23 / 16							
	P-FC40	2,85	2,85	D	D	467	477 x 1136 x 225	430 x 938 x 220	29 / 22							
	P-FC50	4,13	4,08	E	E	671	477 x 1321 x 225	430 x 1122 x 220	32 / 24							
	P-FC60	5,61	5,33	D	E	885	477 x 1506 x 225	430 x 1307 x 220	37 / 28							
	P-FC70	6,58	5,90	D	E	1012	575 x 1319 x 225	530 x 1121 x 220	37 / 29							
Flex Air fan coil – Comfort EC fan																
1ph	2-pipe	P-FC10	1,96	2,31	C	D	417	477 x 766 x 225	430 x 570 x 220	19 / 13	POA	POA	POA	POA	POA	POA
	P-FC20	2,12	2,52	C	C	413	477 x 766 x 225	430 x 570 x 220	19 / 13							
	P-FC30	1,83	2,66	B	C	345	477 x 951 x 225	430 x 753 x 220	22 / 15							
	P-FC40	4,19	4,46	A	B	678	477 x 1136 x 225	430 x 938 x 220	27 / 20							
	P-FC50	4,98	5,19	A	A	816	477 x 1321 x 225	430 x 1122 x 220	30 / 22							
	P-FC60	5,24	5,82	A	B	912	477 x 1506 x 225	430 x 1307 x 220	35 / 26							
	P-FC70	6,55	7,17	B	B	1050	575 x 1319 x 225	530 x 1121 x 220	35 / 27							
	P-FC80	8,36	8,43	B	C	1063	575 x 1506 x 225	530 x 1316 x 220	47 / 38							
	P-FC10	1,80	1,87	C	C	379	477 x 766 x 225	430 x 570 x 220	20 / 14							
	P-FC20	2,18	2,09	C	C	380	477 x 766 x 225	430 x 570 x 220	20 / 14							
	P-FC30	2,93	2,77	B	B	540	477 x 951 x 225	430 x 753 x 220	23 / 16							
	P-FC40	3,52	3,62	A	A	524	477 x 1136 x 225	430 x 938 x 220	29 / 22							
	P-FC50	4,39	4,10	B	B	755	477 x 1321 x 225	430 x 1122 x 220	32 / 24							
	P-FC60	4,69	4,81	B	B	845	477 x 1506 x 225	430 x 1307 x 220	37 / 28							
	P-FC70	6,06	5,53	B	B	989	575 x 1319 x 225	530 x 1121 x 220	37 / 29							
	P-FC80	9,07	12,90	A	A	1548	575 x 1506 x 225	530 x 1316 x 220	49 / 40							

Water connections information

Flex Air fan coil		10	20	30	40	50	60	70	80
Type of connections		Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
Water connections 2 or 4-pipe (cooling)	Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4
Water connections 4-pipe (heating)	Inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. For 4-pipe models: According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 3) According to Eurovent.

* These prices don't include accessories and options. ** Check data and configuration on AC SELECT. *** Standard configuration with left hand hydraulic connection. G2 air filter included as standard.

Accessories and options

2W or 3W – 2 way or 3 way valves

4-pipes kit (additional coil)

CB – Circuit breakers

PUMP – Drain pump

EH – Electric heaters (from 500 W to 2500 W)

FC/FCG – Feet with/without grid

FH – Fuse holders

G3 filter

DG – Horizontal or vertical drain guard (with valve)

Many air inlet/outlet configurations

C/O – Electromechanical sensor for automatic changeover

Accessories supplied loose

KIT Plogic – Kit Plogic control board

KIT BRC – Kit basic remote control (only with Plogic control board)

KIT WRC – Kit wall-mounted remote control LCD (only with Plogic control board)

KIT MB2 – Kit Plogic Modbus board

Other speeds configuration (standard factory set speeds in technical table)

SRC – Smart remote control – Mini building management system (only with Modbus RTU)

Suspension kit

TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

Accessories supplied loose

TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed

TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)

TCPOD WHITE (BLACK) 2P+EH – Kit controller, Modbus, HMI-integrated, 2-pipe+ electrical heater, EC fan speed, white (black)

PAW-FC-907AC/EC – Wired remote controller with touch control

PAW-FC-903AC/EC – Wired remote controller

PAW-FC-RC1 – Advanced wired remote controller

Flex Air fan coils

Flex Air fan coil – Cassette AC/EC fan

Versions: 2-pipe, 2-pipe + electric heater and 4-pipe.

3-speed AC fan motor(s) or low energy consumption EC fan(s).

3 diffusers: plastic, IRYs COANDA 180 (180° air diffusion) and IRYs COANDA 360 (360° air diffusion).



Flex Air fan coil	Total capacity		Energy efficiency class ³⁾		Air flow	Dimension			Weight	Cassette with IRYs 180	Cassette with IRYs 360	RRP* Cassette with plastic diffuser	
	Cooling ¹⁾	Heating ²⁾				With plastic diffuser	With panel IRYs COANDA 180	With panel IRYs COANDA 360					
	Max	Max	FCEER	FCCOP		Max	H x W x D	H x W x D					H x W x D
	kW	kW	A to E	A to E		m³/h	mm	mm					mm

Flex Air fan coil – Cassette AC fan

1ph	2-pipe	P-FQ20	2,36	2,74	D	E	659	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	14,8	POA	POA	POA
		P-FQ30	3,99	3,68	C	D	734	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ40	4,69	5,28	D	D	900	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ50	6,07	6,84	C	C	979	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	37,1			
		P-FQ60	7,18	8,51	C	C	1159	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	37,1			
	4-pipe	P-FQ70	8,61	10,28	C	D	1447	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	39,6			
		P-FQ20	1,97	1,67	E	E	659	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	14,8			
		P-FQ30	3,37	5,46	C	C	734	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ40	4,00	5,80	D	D	900	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ60	6,63	10,04	C	C	1159	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	37,1			
		P-FQ70	7,55	12,77	D	C	1447	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	39,6			

Flex Air fan coil – Cassette EC fan

1ph	2-pipe	P-FQ20	2,38	2,74	B	B	659	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	14,8	POA	POA	POA
		P-FQ30	4,00	3,68	A	B	734	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ40	4,71	5,28	B	B	900	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ50	6,09	6,84	A	A	979	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	37,1			
		P-FQ60	7,20	8,51	A	A	1159	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	37,1			
	4-pipe	P-FQ70	9,61	11,03	A	A	1598	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	39,6			
		P-FQ20	1,99	1,67	B	C	659	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	14,8			
		P-FQ30	3,38	5,46	A	A	734	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ40	4,02	5,80	B	B	900	334 x 720 x 720	353 x 595 x 595	341 x 595 x 595	16,5			
		P-FQ60	6,65	10,00	A	A	1159	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	37,1			
		P-FQ70	7,97	13,99	B	A	1598	339 x 960 x 960	366 x 849 x 849	358 x 849 x 849	39,6			

Water connections information

Flex Air fan coil	20	30	40	50	60	70
Type of connections	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
Water connections 2 or 4-pipe (cooling)	Inch 3/4	3/4	3/4	1	1	1
Water connections 4-pipe (heating)	Inch 1/2	1/2	1/2	—	3/4	3/4

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. For 4-pipe models: According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 3) According to Eurovent.

* These prices don't include accessories and options. ** Check data and configuration on AC SELECT. *** Drain pump and G1 air filter are included as standard.

Accessories and options

2W or 3W – 2 way or 3 way valves

Auxiliary drain pan

KIT ECO – Kit Ecospeed card

EH – Electric heaters (from 1500 W to 3000 W)

Accessories and options

KIT C/O – Kit electromechanical sensor for automatic changeover

Air distribution kit

G4 filter

Accessories supplied loose

Plastic or metallic (IRYS COANDA) diffusers (mandatory):
- IC180 G4 – Kit diffuser IRYs COANDA 180° with G4 filter
- IC360 G4 – Kit diffuser IRYs COANDA 360° with G4 filter

KIT Plogig – Kit Plogig control board

KIT WRC – Kit wall-mounted remote control LCD (only with Plogig control board)

KIT MB2 – Kit Plogig Modbus Board

IRC – Kit infrared remote control for Plogig

SRC – Smart remote control – Mini building management system (only with Modbus RTU)

Accessories supplied loose

TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed

TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)

TCPOD WHITE (BLACK) 2P+EH – Kit controller, Modbus, HMI-integrated, 2-pipe+ electrical heater, EC fan speed, white (black)

PAW-FC-907AC/EC – Wired remote controller with touch control

PAW-FC-903AC/EC – Wired remote controller

PAW-FC-RC1 – Advanced wired remote controller

Flex Air fan coils

Flex Air fan coil – Wall-mounted AC fan

Version: 2-pipe.

3-speed AC fan motor.

Version with infrared remote controller (IR).



Flex Air fan coil			Total capacity (Max)		Air flow Max m³/h	Dimension H x W x D mm	Weight kg		RRP IR version £
			Cooling ¹⁾ kW	Heating ²⁾ kW					
Flex Air fan coil – Wall-mounted 2-pipe, without valve									
1ph	P-FW07	P-FW07IR (included IR controller)	1,69	1,72	360	275 x 845 x 180	11	POA	POA
	P-FW09	P-FW09IR (included IR controller)	2,50	2,80	551	275 x 845 x 180	11		
	P-FW18	P-FW18IR (included IR controller)	3,60	4,10	680	298 x 940 x 200	13		
	P-FW22	P-FW22IR (included IR controller)	4,00	4,50	850	298 x 940 x 200	13		
Flex Air fan coil – Wall-mounted 2-pipe, with 3 way valve included IR controller									
1ph	P-FW09IR-3W		1,40	2,00	400	275 x 845 x 180	11	POA	POA
	P-FW22IR-3W		3,10	3,30	600	298 x 940 x 200	13		
Water connections information		2-pipe, without valve				2-pipe, with valve			
Flex Air fan coil		07	09	18	22	09	22		
Type of connections		Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	
Water connections		Inch ½	½	½	½	½	½	½	

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

* These prices don't include accessories and options. ** Check data and configuration on AC SELECT. *** Check units availability.

Accessories and options

2W or 3W – 2 way or 3 way valves

Accessories supplied loose

KIT Plogic – Kit Plogic control board

KIT WRC – Kit wall-mounted remote control LCD (only with Plogic control board)

KIT MB2 – Kit Plogic Modbus board

SRC – Smart remote control – Mini building management system (only with Modbus RTU)

TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

Accessories supplied loose

TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed

TCPOD GLASS AC – Kit controller, Modbus, HMI-integrated, AC fan speed, black or white

PAW-FC-907AC – Wired remote controller with touch control

PAW-FC-903AC – Wired remote controller

PAW-FC-RC1 – Advanced wired remote controller

SRC – mini BMS controller.

With the SRC – Smart Remote Control – you can now remotely control multiple units or zones of units with a single interface.

Its time programming function offers you the possibility to fully control and rationalise the energy consumption of your HVAC system.

This smart remote control is very handy thanks to its colour touchscreen, logical structure and clear control icons.

Its modern and refined model perfectly fit to any interior design.



Smart controller. Mini building management system.

- Supervise Panasonic fan coil units, chillers/heat pumps, air handling units and water source heat pumps
- Can be used as a mini BMS or a remote control
- Manage up to 15 zones and 31 units
- Communicate via Modbus protocol
- Time programming function
- A modern and refined design
- 3,5" colour touch screen
- Wall mounting

1) Consult documentation for more details.

Flex Air fan coils

Flex Air fan coil – Duct EC fan

Versions: 2-pipe, 2-pipe + electric heater and 4-pipe.
Low energy consumption EC fan.



Flex Air fan coil		Total capacity		Energy efficiency class ³⁾		Air flow ⁴⁾	External static pressure	Dimension	Weight	RRP*	
		Cooling ¹⁾	Heating ²⁾	FCEER	FCCOP			Without drain pan - horizontal installation			
		Max kW	Max kW	A to E	A to E	Max m³/h	Max Pa	H x W x D mm	kg	£	
1ph	2-pipe	P-FD10	1,50	1,82	C	C	357	62,6	223 x 633 x 631	14	POA
		P-FD15	2,06	2,55	B	A	491	82	223 x 733 x 631	16	
		P-FD20	2,74	2,59	B	B	599	72	223 x 833 x 631	18	
		P-FD25	3,20	3,39	B	A	642	70	223 x 933 x 631	20	
		P-FD30	4,80	5,01	B	B	1068	105	223 x 933 x 631	22	
	4-pipe	P-FD40	6,66	7,06	A	A	903	116	223 x 1233 x 653	29	
		P-FD10	1,58	2,16	C	C	384	51,8	223 x 633 x 631	14	
		P-FD15	2,18	2,88	B	A	452	83	223 x 733 x 631	16	
		P-FD20	2,74	3,12	B	A	560	72	223 x 833 x 631	18	
		P-FD25	2,94	4,03	B	A	602	72	223 x 933 x 631	20	
		P-FD30	4,57	4,10	B	B	943	104	223 x 933 x 631	22	
		P-FD40	6,37	6,61	A	A	1228	117	223 x 1233 x 653	29	

Water connections information

Flex Air fan coil	10	15	20	25	30	40
Type of connections	Female gas threaded		Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
Water connections 2 or 4-pipe (cooling)	Inch	1/2	1/2	1/2	1/2	3/4
Water connections 4-pipe (heating)	Inch	1/2	1/2	1/2	1/2	1/2

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. For 4-pipe models: According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 3) According to Eurovent. 4) According to Eurovent 6/10 (air flow test method) and 8/12 (sound test method).

* Data with I configuration with rectangular return and discharge and G2 (P-FD10/15/20/25/30) or G3 (P-FD40) filter.

* These prices don't include accessories and options. ** Check data and configuration on AC SELECT.

Accessories and options

2W or 3W – 2 way or 3 way valves
CB – Circuit breakers
PUMP – Drain pump
ECO – Ecospeed 3 board (with terminal block)
EH – Electric heaters (from 500 W to 2500 W)
RANØ100 or 125 – Fresh air intake

Accessories supplied loose

Suspension kit
KIT Plogic – Kit Plogic control board
KIT WRC – Kit wall-mounted remote control LCD (only with Plogic control board)
KIT MB2 – Kit Plogic Modbus Board
SRC – Smart remote control – Mini building management system (only with Modbus RTU)
TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

Accessories and options

FH – Fuse holder
G2/G3 filter
Other speeds configuration (standard factory set speeds in technical table)
Many air inlet/outlet configurations
C/O – Electromechanical sensor for automatic changeover

Accessories supplied loose

TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed
TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)
TCPOD WHITE (BLACK) 2P+EH – Kit controller, Modbus, HMI-integrated, 2-pipe+ electrical heater, EC fan speed, white (black)
PAW-FC-907EC – Wired remote controller with touch control
PAW-FC-903EC – Wired remote controller

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Flex Air fan coils

Flex Air fan coil – High static duct AC/EC fan

Versions: 2-pipe, 2-pipe + electric heater and 4-pipe.
5 or 4-speed AC fan or low energy consumption EC fan.



Flex Air fan coil		Total capacity		Energy efficiency class ³⁾		Air flow ⁴⁾	External static pressure	Dimension	Weight	RRP*	
		Cooling ¹⁾	Heating ²⁾	FCEER	FCCOP			Horizontal installation			
		Max	Max			Max		H x W x D		£	
		kW	kW	A to E	A to E	m³/h	Pa	mm	kg		
Flex Air fan coil – High static duct AC fan											
1ph	2-pipe	P-FH7	5,59	6,70	D	C	1125	70	250 x 1200 x 698	42	POA
		P-FH15	13,33	15,48	D	C	2830	90	375 x 1380 x 798	63	
		P-FH18	13,87	18,01	D	C	2830	90	375 x 1380 x 798	65	
		P-FH21	17,00	17,80	D	C	2830	90	375 x 1380 x 798	67	
		P-FH24	19,03	20,90	D	D	3736	75	450 x 1500 x 798	76	
	4-pipe	P-FH27	21,90	21,50	D	D	3736	75	450 x 1500 x 798	80	
		P-FH7	5,08	7,70	D	C	974	70	250 x 1200 x 698	42	
		P-FH15	11,33	21,00	D	C	2830	90	375 x 1380 x 798	63	
		P-FH18	12,83	21,00	D	C	2830	90	375 x 1380 x 798	65	
		P-FH21	17,43	21,00	D	C	2830	90	375 x 1380 x 798	67	
		P-FH24	17,13	15,20	D	D	3736	75	450 x 1500 x 798	76	
		P-FH27	19,13	29,60	D	D	3736	75	450 x 1500 x 798	80	
Flex Air fan coil – High static duct EC fan											
1ph	2-pipe	P-FH7	5,88	9,26	—	—	1293	116	250 x 1200 x 698	42	POA
		P-FH15	11,10	13,00	A	A	2335	65	375 x 1380 x 798	63	
		P-FH18	12,80	14,60	A	A	2335	65	375 x 1380 x 798	65	
		P-FH21	13,90	15,80	A	A	2335	65	375 x 1380 x 798	67	
		P-FH24	17,60	19,50	B	A	3098	66	450 x 1500 x 798	76	
	4-pipe	P-FH27	19,90	21,40	A	A	3098	66	450 x 1500 x 798	80	
		P-FH7	5,54	9,05	—	—	1229	117	250 x 1200 x 698	42	
		P-FH15	8,91	8,13	B	B	2335	65	375 x 1380 x 798	63	
		P-FH18	10,00	14,20	B	A	2335	65	375 x 1380 x 798	65	
		P-FH21	12,40	14,20	A	A	2335	65	375 x 1380 x 798	67	
		P-FH24	15,20	13,00	A	B	3098	66	450 x 1500 x 798	76	
		P-FH27	16,80	12,90	A	B	3098	66	450 x 1500 x 798	80	

Water connections information

Flex Air fan coil	07		15	18	21	24	27
Type of connections	Female gas threaded		Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Water connections 2-pipe	Inch	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
Water connections 4-pipe (cooling - heating)	Inch	1/2 - 1/2	1 - 3/4	1 - 3/4	1 - 3/4	1 1/4 - 3/4	1 1/4 - 3/4

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. For 4-pipe models: According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 3) According to Eurovent. 4) According to Eurovent 6/10 (air flow test method) and 8/12 (sound test method).

* Data with I configuration with rectangular return and discharge.

** These prices don't include accessories and options. ** Check data and configuration on AC SELECT.

Accessories and options

2W or 3W – 2 way or 3 way valves
Auxiliary drain pan
CB – Circuit breakers
PUMP – Drain pump
ERP – Double Skin – M0
ECO – Ecospeed 3 board (with terminal block)
EH – Electric heaters (from 1000 W to 3000 W)

Accessories and options

RANØ100 or 125 – Fresh air intake
FH – Fuse holder
G3/G4 filter
Inlet and outlet plenums for circular ducts (Ø7 only)
C/O – Electromechanical sensor for automatic changeover

Other speeds configuration (standard factory set speeds in technical table)

Accessories supplied loose

Suspension kit
KIT Plogic – Kit Plogic control board

KIT WRC – Kit wall-mounted remote control LCD (only with Plogic control board)

KIT MB2 – Kit Plogic Modbus board

SRC – Smart remote control – Mini building management system (only with Modbus RTU)

TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

Accessories supplied loose

TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed

TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)

TCPOD WHITE (BLACK) 2P+EH – Kit controller, Modbus, HMI-integrated, 2-pipe+ electrical heater, EC fan speed, white (black)

PAW-FC-907AC/EC – Wired remote controller with touch control

PAW-FC-903AC/EC – Wired remote controller

PAW-FC-RC1 – Advanced wired remote controller

Flex Air fan coils controllers

	Electro-mechanical controller (supplied loose).	TRM-FA
	Electronic controller.	Plogic
	Electronic controller.	TControl EASY 3S
	Electronic controller.	TControl POD glass
	Wired remote controller with touch control for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-907EC
	Wired remote controller with touch control for 2-pipe, AC fan coil (control only).	PAW-FC-907AC
	Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-903EC
	Wired remote controller for 2-pipe, AC fan coil (control only).	PAW-FC-903AC
	Advanced wired remote controller for fan coil.	PAW-FC-RC1
	Smart controller. Mini building management system.	SRC
	Plogic remote control.	WRC / MRC
	Plogic remote control.	BRC
	Plogic remote control.	IRC

Flex Air Smart fan coil – Wall-mounted controllers

	Electronic controller.	TControl POD glass
	Infrared remote controller.	CZ-RWS3
	Design wired remote controller with Econavi function.	CZ-RTC5B
	CONEX wired remote controller (non-wireless), white.	CZ-RTC6W
	CONEX wired remote controller with Bluetooth®, white.	CZ-RTC6WBL
	CONEX wired remote controller with Wi-Fi and Bluetooth®, white.	CZ-RTC6WBLW2
	CONEX wired remote controller (non-wireless), black.	CZ-RTC6
	CONEX wired remote controller with Bluetooth®, black.	CZ-RTC6BL
	CONEX wired remote controller with Wi-Fi and Bluetooth®, black.	CZ-RTC6BLW2
	Econavi energy saving sensor.	CZ-CENSC1
	Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-903EC

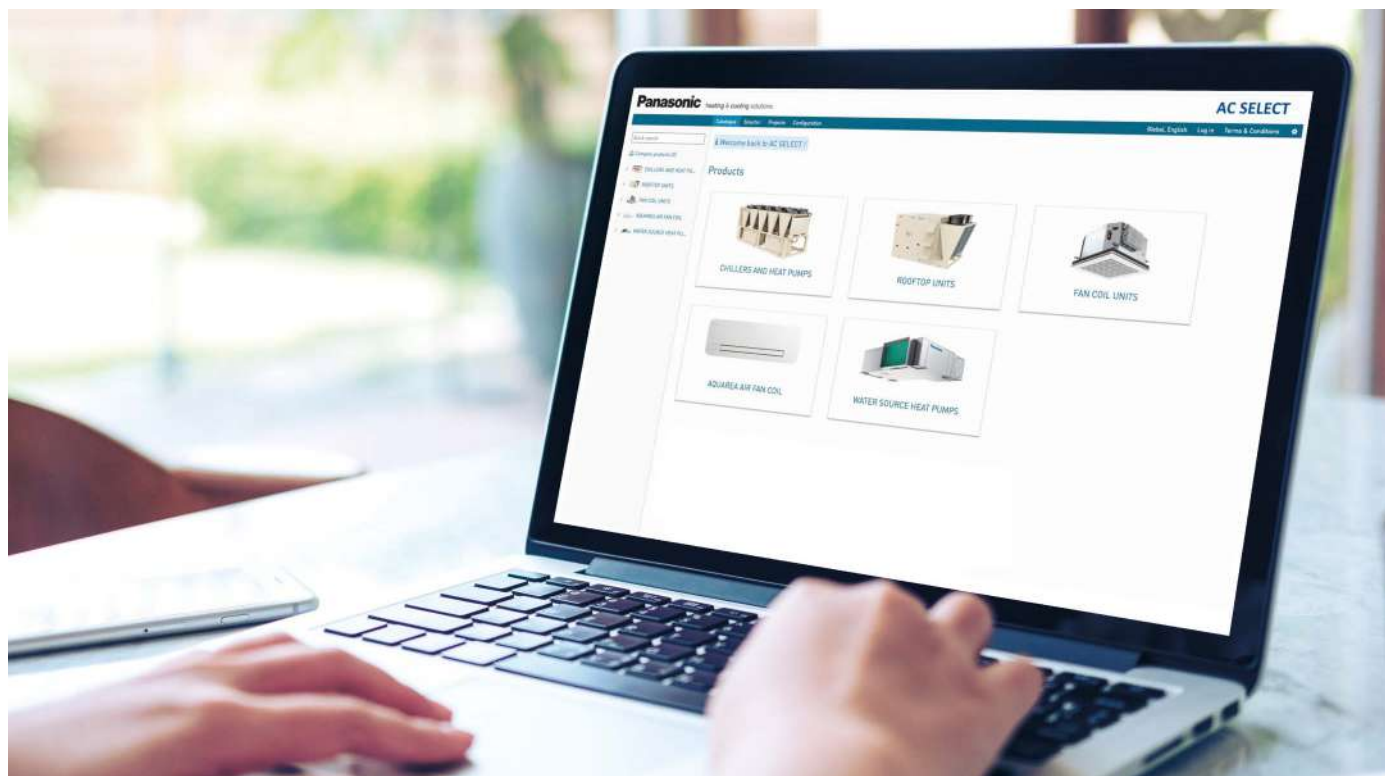
	System controller for 64 indoor units with weekly timer.	CZ-64ESMC3
	Intelligent controller (touch screen/web server) to control up to 256 indoors with included load distribution ratio (LDR).	CZ-256ESMC3
	Central ON / OFF controller, up to 16 groups, 64 indoor units.	CZ-ANC3

Flex Air Smart fan coil – Medium static pressure duct controllers

	Smart controller. Mini building management system.	SRC
	CONEX wired remote controller (non-wireless), white.	CZ-RTC6W
	CONEX wired remote controller with Bluetooth®, white.	CZ-RTC6WBL
	CONEX wired remote controller with Wi-Fi and Bluetooth®, white.	CZ-RTC6WBLW2
	CONEX wired remote controller (non-wireless), black.	CZ-RTC6
	CONEX wired remote controller with Bluetooth®, black.	CZ-RTC6BL
	CONEX wired remote controller with Wi-Fi and Bluetooth®, black.	CZ-RTC6BLW2
	Wired remote controller with touch control for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-907EC
	Infrared remote controller and receiver for all indoor units.	CZ-RWS3 + CZ-RWRC3
	Wired remote controller with touch control for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-907EC
	Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-903EC
	Electronic controller.	TControl POD glass
	System controller for 64 indoor units with weekly timer.	CZ-64ESMC3
	Intelligent controller (touch screen/web server) to control up to 256 indoors with included load distribution ratio (LDR).	CZ-256ESMC3

AC SELECT

Choose and configure your hydronic solution.



**PERFORMANCE
CALCULATION**



**CUSTOMISABLE WITH
ACCESSORIES AND
OPTIONS**



**COMPREHENSIVE PROJECT
REPORT**

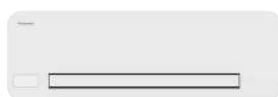
AC SELECT offers an online based solution to specify all the hydronics ranges and Rooftops at required conditions



Chillers and heat pumps



Rooftop units



Fan coils



Water Source heat pumps

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Rooftops

Rooftop units provide air-based cooling and heating for commercial buildings to ensure thermal comfort and proper indoor air quality (IAQ) through ventilation. Easy installation, space savings and customisation allow you to meet all your needs.



**Rooftops – ECOi-RT.**

With the ECOi-RT Rooftop units, you get a complete compact and mono-bloc solution to heat and cool large buildings such as shopping centres, industries or airports that need high capacities. It is an easy to install, space saving solution, directly on the roof or close to a building. They have high SEER and SCOP values, very high external static pressure and numerous configurations and options.

AC SELECT.

Use AC SELECT to choose and configure your Rooftop units.

Panasonic online selection tool offers an easy and quick solution to specify all the hydronics ranges and rooftops at required conditions.

<https://acselect.panasonic.eu/>

Quick selection guide – Rooftops cooling only

Page	Size	Cooling capacity (kW)	Nominal air flow (m³/h)	Sound power (lwo - dB(A))	Dimension L x H x W (mm)
ECOi-RT C · R410A					
P. 125 	65	62,80	11500	83	3250 x 1800 x 2030
	80	79,00	14300	80	3250 x 1800 x 2030
	95	89,27	17500	85	3740 x 2110 x 2285
	160	164,98	28000	91	5505 x 2110 x 2285
	190	197,06	30000	92	5505 x 2110 x 2285

Quick selection guide – Rooftops reversible

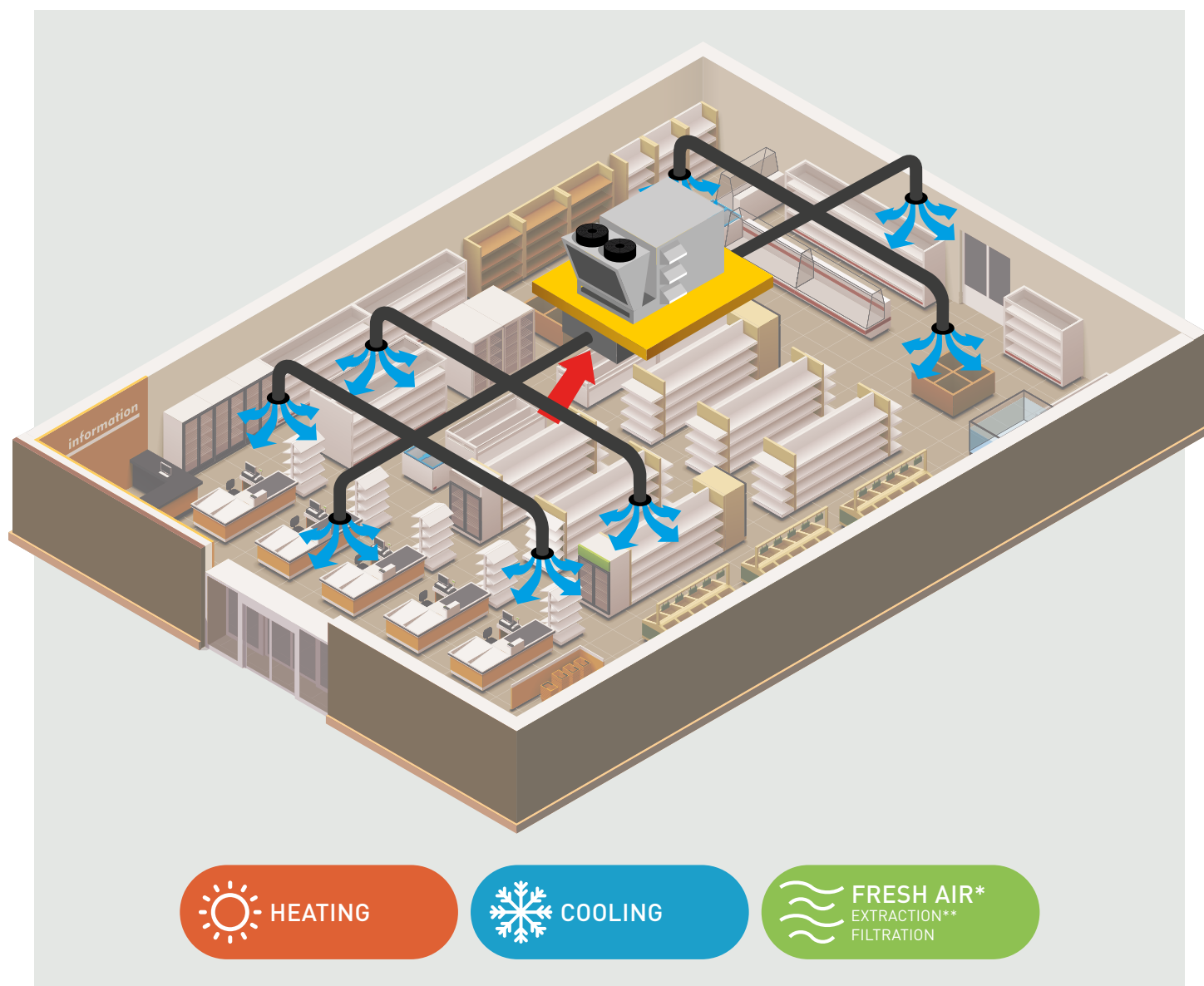
Page	Size	Cooling and heating capacity (kW)	Nominal air flow (m³/h)	Sound power (lwo - dB(A))	Dimension L x H x W (mm)
ECOi-RT-Z 105-140 H · R32					
P. 124 	105	106,0 106,0	19200	79,8	3740 x 2150 x 2285
	120	119,0 117,0	21500	79,8	3740 x 2150 x 2285
	140	139,0 142,0	25500	86,1	3740 x 2150 x 2285

* Heat pump version with EC fans.

Rooftops

A complete mono-bloc solution for large buildings.

With rooftop units, you get a complete compact and mono-bloc solution to heat and cool large buildings such as shopping centres, industries or airports that need high capacities. It is an easy to install, space saving solution, directly on the roof or close to a building.



 **HEATING**

 **COOLING**

 **FRESH AIR***
EXTRACTION**
FILTRATION



**SELF-CONTAINED
SOLUTION, COMPACT
AND MONO-BLOC**



**CAPACITY RANGE
FROM 63 TO 197 KW**

**R410A REFRIGERANTS:
R32 R410A / R32**



**HIGH SEER
AND SCOP**

**HIGH
ESP**

**VERY HIGH
EXTERNAL STATIC
PRESSURE**



**EXTRACTIBLE
DRAIN PAN**



**MANY
CONFIGURATIONS
AND OPTIONS**

* With 2 or 3 dampers configurations. ** Available only with 3 dampers configuration.

AC SELECT.

Smart and user-friendly selection tool.

Configure your air conditioning solution at required conditions: <https://acselect.panasonic.eu/>



Rooftops

ECOi-RT-Z 105-140 H · R32

Scroll compressor.

EC fan.

Operation range: OAT -10 to 50 °C in cooling and -15 to 18 °C in heating.

R32



Outdoor unit	Cooling capacity ¹⁾	SEER ^{2 3)}	Energy efficiency class ^{2 3)}	η _{s,c} ^{2 3)}	Heating capacity ¹⁾	SCOP ^{2 3)}	Energy efficiency class ^{2 3)}	η _{s,h} ^{2 3)}	Sound power	Dimension			Weight (without option)	RRP
	kW		A+ to E		kW		A+ to E		dB(A)	Length (total)	Length (floor)	W x H	kg	£
ECOi-RT-Z 105-140 H – reversible														
105 P-RTZ0105HA	106	3,82	B	150	106	3,36	B	131	79,8	3740	3295	2285 / 2150	1685	POA
120 P-RTZ0120HA	119	3,82	B	150	117	3,56	B	130	79,8	3740	3295	2285 / 2150	1805	
140 P-RTZ0140HA	139	3,67	B	144	142	3,32	B	130	86,1	3740	3295	2285 / 2150	1855	

Refrigerant and compressors information

Outdoor unit	105	120	140
Number of refrigerant circuits	2	2	2
Compressors	Number / type	2 / Scroll	2 / Scroll

Indoor coil information

Coil type	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins
Number of rows	4	4	4

Outdoor coil information

Coil type	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins
Number of rows	3	3	3

1) Following EN 14511 2018. 2) Following EN 14825 2017. 3) Following COMMISSION REGULATION (EU) 2016/2281.

* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options

2 dampers – for external air inlet

3 dampers RECO – return EC plug fans included (HPF or LFP) + Recovery

Anti-vibration mounts

Clogged filter sensor (1 or 2 stages)

Compressor soft starter

Container transportation compatibility

Accessories and options

Dehumidification function

Electric heater 48 kW

Energy meter

Fan speed control

G4, G4+F7 or G4+F9 filters

Hot water coil

Local and additional remote keyboard

Accessories and options

Many aerualic configurations

Room temperature sensor

Sensors (enthalpy, CO₂)

Smoke detector

Supply EC LPF plug fans

Accessories supplied loose

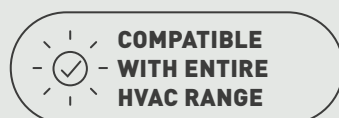
P-575505 Kit adjustable roof curb S1R1 – 0/2 Dampers without gas

Commercial Smart Edge.

Manage the entire Panasonic HVAC portfolio from a single platform – on-site or remotely, 24/7.

Model code	Control points	Indoor unit connections ¹⁾
PAW-CSE-1B	100	4
PAW-CSE-2B	200	10
PAW-CSE-10	1000	50
PAW-CSE-2B0	2000	100

1) The final number of connected indoor units may vary depending on the range. * For the detail information, please contact an authorised Panasonic dealer.



**COMPATIBLE
WITH ENTIRE
HVAC RANGE**



**SIMPLIFIED
COMMISSIONING**



**OPTIMISED
PLANT
MANAGEMENT**



**ADVANCED
ANALYTICS**



P-Smart Edge.
Smart control solution to manage the entire Panasonic HVAC range (Aquarena, RAC, PACi NX, ECOi and ECOi-W) from a single platform.



P-Smart Nexus.
Smart multi-site online control which allows a remote global supervision of all your sites.



Rooftops

ECOi-RT C · R410A

Scroll compressor.

EC fan.

Operation range: OAT -10 to 50 °C in cooling



Outdoor unit	Cooling capacity ¹⁾	SEER ^{2) 3)}	Energy efficiency class ^{2) 3)}	$\eta_{s,c}$ ^{2) 3)}	Sound power (two) - outside	Dimension			Weight (without option)	RRP
	kW		A+ to E		dB(A)	Length (total)	Length (floor)	W x H	kg	£
ECOi-RT C EC fan – cooling only										
65 P-RTE0065CA	62,80	3,58	B	140	83	3250	2895	2030 x 1800	1155	POA
80 P-RTE0080CA	79,00	3,74	B	147	80	3250	2895	2030 x 1800	1225	
95 P-RTE0095CA	89,27	3,54	B	139	85	3740	3295	2285 x 2110	1470	
160 P-RTE0160CA	164,98	3,91	B	154	91	5505	5050	2285 x 2110	2350	
190 P-RTE0190CA	197,06	3,94	B	154	92	5505	5050	2285 x 2110	2555	

Refrigerant and compressors information										
Outdoor unit	55	65	80	95	105	120	140	160	190	210
Number of refrigerant circuits	2	2	2	2	2	2	2	2	2	2
Compressors	Number / type	2 / Scroll	2 / Scroll	2 / Scroll	2 / Scroll	2 / Scroll	2 / Scroll	2 / Scroll	4 / Scroll	4 / Scroll
Indoor coil information										
Coil type		Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins
Number of rows		3	3	4	3	4	4	4	4	6
Outdoor coil information										
Coil type		Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins	Copper tubes and aluminium fins
Number of rows		2	2	3	2	3	3	3	2	3

1) Following EN 14511 2018. 2) Following EN 14825 2017. 3) Following COMMISSION REGULATION (EU) 2016/2281. * Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options
Anti-vibration mounts
Clogged filter sensor (1 or 2 stages)
Container transportation compatibility
Compressor soft starter
EC or EC HP plug fan
Electric heaters
Epoxy treatment (indoor/outdoor coils)
Fan speed control

Accessories and options
2-dampers configuration including free-cooling/free-heating functions
G4, G4+F7 or G4+F9 filters
Gas heater
Hot water coil
Local and additional remote keyboard
Modbus / BACnet

Accessories and options
Many aerualic configurations (bottom, side, front, top)
RECO or TRECO energy recovery systems including 3-dampers and exhaust fan
FRECO energy recovery system
Room temperature sensor
Sensors (VOC, enthalpy, CO ₂)
Smoke detector

Accessories supplied loose
P-372062 Kit adjustable roof curb S1R1 – 0/2 dampers with/without gas for sizes 65-80
P-575505 Kit adjustable roof curb S1R1 – 0/2 dampers with/without gas for sizes 95
P-575506 Kit adjustable roof curb S1R1 – 0/2 dampers without gas for sizes 160-190
P- 374372 Kit adjustable roof curb S1R1 – 0/2 dampers with gas for sizes 160-190

Accessories supplied loose
P- 372627 Kit adjustable roof curb S1R1 – 3 dampers with/without gas for sizes 65-80
P- 372628 Kit adjustable roof curb S1R1 – 3 dampers with/without gas for sizes 95
P- 372629 Kit adjustable roof curb S1R1 – 3 dampers without gas for sizes 160-190

Close Control and Vertical DX units

Close Control units provide a strict control of environmental conditions such as temperature, humidity in data centres, laboratories, and other applications where sensitive equipment or processes require stable and controlled conditions.

Vertical DX units can be used in industries, data centres and tertiary application thanks to their high reliability, high efficiency and low noise level.

 **TECNAIR**
A Panasonic Company





NEW

P Series and PACi NX – First complete package solution for critical environment up to 21 kW.

Comprehensive solution for precise cooling in smaller critical cooling environment thanks to the combination of cutting-edge DX technology from Panasonic and Tecnaïr.

Different versions for data centres applications:

CCUs small footprint and the possibility of modulating operation for all components allow the development of solutions tailored to the real needs of the infrastructure.

P Series: Perimetral and compact solution.

G Series: Perimetral and high efficiency solution for large data centres.

R Series: In-row solution.

W Series: Technical corridor solution.

Precise control of temperature and humidity.

CCUs are designed to provide precise and stable control over temperature and humidity levels. This is crucial in environments where even small variations can have a significant impact on equipment performance or the quality of processes.

Flexibility, reliability and advanced remote control.

CCUs are flexible solutions that can be customised to fit the specific requirements of data centres applications. These environments also require high levels of reliability. Real-time remote monitoring and control of all unit operating cycles thanks to a simple and intuitive large colour display and touch keys.

Vertical DX units.

This range of monobloc cabinets has the particularity of extremely simplified implementation and maintenance. They have a small footprint, high reliability and efficiency which combined with low noise level make them particularly well suited for cooling, heating and air filtration in industries, data centre and tertiary application.

Quick selection guide – Close Control – chilled water

Page	Size	Cooling capacity (kW)	Air flow (m³/h)	Sound pressure (dB(A))	Dimension H x W x D (mm)
P Series – Perimetral P. 132 	10	9,9	2200	51	1990 x 750 x 600
	20	17,2	3200	59	1990 x 750 x 600
	30	30,0	7000	56	1990 x 860 x 880
	50	41,0	8000	60	1990 x 860 x 880
	60	52,8	12000	67	1990 x 1410 x 880
	70	63,1	12000	68	1990 x 1410 x 880
	80	65,4	16000	61	1990 x 1750 x 880
	110	80,0	18000	62	1990 x 1750 x 880
	160	110,0	24000	62	1990 x 2640 x 880
	220	160,0	36000	65	1990 x 3495 x 880
G Series – Great P. 133 	70	55,5	11000	58	1990 x 1320 x 921
	150	112,6	23000	60	1990 x 1840 x 921
	150 XH	129,7	26000	62	2350 x 1840 x 1050
	230	176,6	36000	63	1990 x 2740 x 921
	230 XH	220,7	39000	65	2350 x 2740 x 1050
	300	202,8	45200	62	1990 x 4020 x 921
	300 XH XS	251,0	44000	67	2350 x 3200 x 1090
R Series – In-Row P. 133 	20	24,5	5600	53	1970 x 300 x 1200
	40	37,3	9000	62	2000 x 600 x 1220
W Series – Cold Wall P. 133 	2X1	From 112,0 to 500,5	—	—	1800 x 1900 x 1400
	3X1		—	—	1800 x 2850 x 1400
	4X1		—	—	1800 x 3800 x 1400
	2X2		—	—	3600 x 1900 x 1400
	3X2		—	—	3600 x 2850 x 1400
	4X2		—	—	3600 x 3800 x 1400



Techline, precise cooling solutions designed specifically for data centre applications.

4 series that with their high quality, high reliability, high level of customisation meet different application needs and installation requirements.



Quick selection guide – Close Control – direct expansion

Page	Size	Cooling capacity (kW)	Air flow (m³/h)	Sound pressure (dB(A))	Dimension H x W x D (mm)
NEW! P Series – UPZ-OPZ · R32*					
P. 131 	71	7,44	2200	51	1990 x 750 x 600
	111	9,92	3500	59	1990 x 750 x 600
	121	12,50	3500	59	1990 x 750 x 600
	141	14,71	3500	59	1990 x 750 x 600
	211	20,47	7000	56	1990 x 860 x 880
P Series – Perimetral · R410A					
P. 132 	71	8,2	2200	51	1990 x 750 x 600
	111	10,7	3200	59	1990 x 750 x 600
	141	14,7	3200	59	1990 x 750 x 600
	211	21,0	7000	56	1990 x 860 x 880
	251	27,4	7000	57	1990 x 860 x 880
	301	32,0	12000	67	1990 x 1410 x 880
	321	35,0	12000	67	1990 x 1410 x 880
	322	34,0	12000	67	1990 x 1410 x 880
	361	38,0	14000	58	1990 x 1750 x 880
	461	48,0	14000	58	1990 x 1750 x 880
	422	44,0	14000	58	1990 x 1750 x 880
	512	58,0	14000	59	1990 x 1750 x 880
	662	67,0	18000	61	1990 x 2300 x 880
	852	84,0	18000	61	1990 x 2300 x 880
	932	95,0	21000	61	1990 x 2640 x 880
P Series – UPN-OPN · R513A					
P. 132 	71	7,8	2200	51	1990 x 750 x 600
	111	11,5	3200	59	1990 x 750 x 600
	141	13,6	3200	59	1990 x 750 x 600
	181	19,8	7000	58	1990 x 860 x 880
	211	22,2	7000	58	1990 x 860 x 880
	251	26,9	7000	58	1990 x 860 x 880
	301	33,8	12000	67	1990 x 1410 x 880
	302	30,9	12000	67	1990 x 1410 x 880
	312	40,1	12000	67	1990 x 1410 x 880
	322	46,6	12000	67	1990 x 1410 x 880
	422	46,9	14000	59	1990 x 1750 x 880
	512	55,7	14000	59	1990 x 1750 x 880
	612	59,4	18000	61	1990 x 2300 x 880
G Series – Great · R410A					
P. 133 	932	102,6	18000	56	1990 x 2390 x 921
	1342	153,9	31500	61	1990 x 3120 x 921
R Series – In-Row · R410A					
P. 133 	121	11,4	3200	51	1970 x 300 x 1200
	201	22,0	3600	53	1970 x 300 x 1200
	231	22,9	6000	54	2000 x 600 x 1220
	361	36,6	6000	56	2000 x 600 x 1220

* Possible combination with PACi NX outdoor unit. Check PACi NX compatible models.

Quick selection guide – Vertical DX units

Page	Size	Cooling capacity (kW)	Air flow (m³/h)	Sound pressure (dB(A))	Dimension LxWxH (mm)
T-XAR – air cooled models - R407C  P. 134	1200	12,3	2000	51	890 x 1540 x 430
	1900	16,2	3200	56	1000 x 1735 x 500
	2450	19,8	4500	59	1300 x 1840 x 600
	3250	29,0	5800	65	1530 x 1830 x 600
	4650	38,9	9000	61	1715 x 1970 x 790
	6450	55,0	12000	69	1980 x 1970 x 790
T-CX and T-XAO – water cooled models - R407C  P. 135	25	8,0	1500	52	800 x 1280 x 407
	1200	15,0	2000	51	890 x 1540 x 430
	1900	18,0	3200	55	1000 x 1735 x 500
	2450	23,0	4500	58	1300 x 1840 x 600
	3250	32,4	5800	64	1530 x 1830 x 600
	4650	45,7	9000	60	1715 x 1970 x 790



P Series and PACi NX – First complete package solution for critical environment up to 21 kW.

First Panasonic and Tecnaïr synergy.

Comprehensive solution for precise cooling in smaller critical cooling environment thanks to the combination of cutting-edge DX technology from Panasonic and Tecnaïr.

Efficient, energy-saving and flexible system powered by R32 refrigerant that allows environmental benefit thanks to its low GWP.



Close Control units

NEW! P Series – Perimetral · R32

High efficiency.

Strict control of room temperature and humidity.

Low GWP refrigerant R32.

NEW

R32



Indoor unit		Cooling capacity ¹⁾	Sensible cooling capacity ¹⁾	EER ²⁾	Air flow	Sound pressure ³⁾	Dimension H x W x D	Weight	RRP	
Up flow	Down flow	kW	kW		m³/h	dB(A)	mm	kg	Up flow £	Down flow £
UPZ/OPZ – direct expansion air conditioners with air cooled or water cooled condensers · R32										
71	0071AA-E004	0071AA-E004	7,44	6,89	3,52	2.200	51	1990 x 750 x 600	150	
111	0111AA-E004	0111AA-E004	9,92	8,41	3,13	3.500	59	1990 x 750 x 600	200	
121	0121AA-E004	0121AA-E004	12,50	10,67	2,79	3.500	59	1990 x 750 x 600	205	
141	0141AA-E004	0141AA-E004	14,71	12,60	2,61	3.500	59	1990 x 750 x 600	205	
211	0211AA-E004	0211AA-E004	20,47	20,47	2,38	7.000	56	1990 x 860 x 880	225	
211	0211AA-E005	0211AA-E005	20,47	20,47	2,38	7.000	56	1990 x 860 x 880	225	

P Series and PACi NX combination				Sound pressure	Sound power	Dimension	Weight	Refrigerant	Operating range		RRP
	PACi NX outdoor units	P Series units	Cool / Heat (Hi)	Cool / Heat (Hi)	H x W x D			(R32) / CO ₂ Eq.	Cool Min ~ Max	Heat Min ~ Max	
			dB(A)	dB(A)	mm	kg	kg / T	°C	°C	£	
1ph	7,1 kW	U-71PZH4E5	T-UPZ/OPZ 0071	48/50	65/67	996 x 980 x 370	66	1,95/1,32	-15 ~ +52	-20 ~ +24	
	10,0 kW	U-100PZH4E5	T-UPZ/OPZ 0111	52/52	70/70	996 x 980 x 370	84	2,70/1,82	-20 ⁴⁾ ~ +52	-20 ~ +24	
	12,5 kW	U-125PZH4E5	T-UPZ/OPZ 0121	55/55	73/73	996 x 980 x 370	98	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
	14,0 kW	U-140PZH4E5	T-UPZ/OPZ 0141	54/54	74/74	996 x 980 x 370	98	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
3ph	7,1 kW	U-71PZH4E8	T-UPZ/OPZ 0071	48/50	65/67	996 x 980 x 370	66	1,95/1,32	-15 ~ +52	-20 ~ +24	
	10,0 kW	U-100PZH4E8	T-UPZ/OPZ 0111	52/52	70/70	996 x 980 x 370	84	2,70/1,82	-20 ⁴⁾ ~ +52	-20 ~ +24	
	12,5 kW	U-125PZH4E8	T-UPZ/OPZ 0121	55/55	73/73	996 x 980 x 370	98	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
	14,0 kW	U-140PZH4E8	T-UPZ/OPZ 0141	54/54	74/74	996 x 980 x 370	98	3,00/2,03	-20 ⁴⁾ ~ +52	-20 ~ +24	
	25,0 kW	U-250PZH4E8	T-UPZ/OPZ 0211	57/63	76/82	996 x 1140 x 460	109	4,80/3,24	-15 ~ +52	-20 ~ +35	

Model		Humidifier		Modulating heater	
Up flow	Down flow	3 kg/h	8 kg/h	6 kW	9 kW
T-OPZ0071AA-E001	T-UPZ0071AA-E001	—	—	—	—
T-OPZ0111AA-E001	T-UPZ0111AA-E001	—	—	—	—
T-OPZ0121AA-E001	T-UPZ0121AA-E001	—	—	—	—
T-OPZ0141AA-E001	T-UPZ0141AA-E001	—	—	—	—
T-OPZ0211AA-E001	T-UPZ0211AA-E001	—	—	—	—
T-OPZ0071AA-E002	T-UPZ0071AA-E002	✓	—	—	—
T-OPZ0111AA-E002	T-UPZ0111AA-E002	✓	—	—	—
T-OPZ0121AA-E002	T-UPZ0121AA-E002	✓	—	—	—
T-OPZ0141AA-E002	T-UPZ0141AA-E002	✓	—	—	—
T-OPZ0211AA-E002	T-UPZ0211AA-E002	✓	—	—	—
T-OPZ0211AA-E003	T-UPZ0211AA-E003	—	✓	—	—
T-OPZ0071AA-E004	T-UPZ0071AA-E004	✓	—	✓	—
T-OPZ0111AA-E004	T-UPZ0111AA-E004	✓	—	✓	—
T-OPZ0121AA-E004	T-UPZ0121AA-E004	✓	—	✓	—
T-OPZ0141AA-E004	T-UPZ0141AA-E004	✓	—	✓	—
T-OPZ0211AA-E004	T-UPZ0211AA-E004	✓	—	—	✓
T-OPZ0211AA-E005	T-UPZ0211AA-E005	—	✓	—	✓

Piping information						
Outdoor unit	kW	7,1	10,0	12,5	14,0	25,0
Piping diameter (liquid - gas)	Inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	1/2 - 7/8
Pipe length range	m	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100
Elevation difference (in / out)	m	15/30 ⁵⁾	15/30 ⁵⁾	15/30 ⁵⁾	15/30 ⁵⁾	30
Pre-charged pipe length	m	30	30	30	30	30
Additional gas amount	g/m	30	40 ⁶⁾	40 ⁶⁾	40 ⁶⁾	80

Electrical information (power supply to outdoor)						
Single phase						
Outdoor unit	kW	7,1	10,0	12,5	14,0	
Recommended fuse	A	25	35	40	40	
Connection in. / out.	mm²	4x2,5				
Three phase						
Outdoor unit	kW	7,1	10,0	12,5	14,0	25,0
Recommended fuse	A	16	16	16	16	30
Connection in. / out.	mm²	4x2,5				
						—

1) Performance refers to: intake air 24 °C-45%Rh; R410A refrigerant; condensing temperature 45 °C; water temperature 7/12 °C; external static pressure 30 Pa. The declared performance does not consider the heat generated by the fans, which must be added to the thermal load of the system. 2) EER (energy efficiency ratio)= total cooling capacity / input power of compressors + input power of fans (excluding air cooled condensers). 3) Sound pressures at a distance of 2 m; in a free field; pursuant to UNI EN ISO 3744:2010. 4) Pipe length up to 30 m. 5) Outdoor unit located lower / outdoor unit located higher. 6) Pipework 85 - 100m 25g

Close Control units

P Series – Perimetral

Perimetral and compact solution.

Versions with upflow and downflow air discharge configurations.

Very high EER (energy efficiency ratio) and low operating costs.

Direct expansion or Chilled water system.



Outdoor unit	Cooling capacity ¹⁾ kW	Sensible cooling capacity ¹⁾ kW	EER ²⁾	Air flow m³/h	Sound pressure dB(A)	Dimension H x W x D mm	Weight kg	Air cooled free cooling	Water cooled free cooling	Two sources	RRP £
UPA/OPA – direct expansion air conditioners with air cooled or water cooled condensers											
71	8,2	7,9	3,83	2200	51	1990 x 750 x 600	170	●	○	○	POA
111	10,7	10,7	3	3200	59	1990 x 750 x 600	220	●	○	○	
141	14,7	12,9	3,40	3200	59	1990 x 750 x 600	225	●	○	○	
211	21,0	21,0	3,30	7000	56	1990 x 860 x 880	280	●	○	●	
251	27,4	25,7	3,14	7000	57	1990 x 860 x 880	305	●	○	○	
301	32,0	32,3	3,21	12000	67	1990 x 1410 x 880	360	●	○	○	
321	35,0	35,2	3,13	12000	67	1990 x 1410 x 880	385	●	●	●	
322	34,0	33,8	3,34	12000	67	1990 x 1410 x 880	430	●	○	○	
361	38,0	38,1	3,57	14000	58	1990 x 1750 x 880	460	●	○	○	
461	48,0	46,8	3,63	14000	58	1990 x 1750 x 880	470	●	●	●	
422	44,0	43,7	3,47	14000	58	1990 x 1750 x 880	535	●	○	○	
512	58,0	53,6	3,34	14000	59	1990 x 1750 x 880	540	●	○	●	
662	67,0	66,2	3,26	18000	61	1990 x 2300 x 880	685	●	●	●	
852	84,0	73,7	3,27	18000	61	1990 x 2300 x 880	705	●	●	●	
932	95,0	86,3	3,64	21000	61	1990 x 2640 x 880	745	●	○	●	
UPN/OPN – direct expansion air conditioners with air cooled or water cooled condensers · R513A											
71	7,82	7,82	3,49	2200	51	1990 x 750 x 600	225	—	—	—	POA
111	11,52	11,52	3,32	3200	59	1990 x 750 x 600	235	—	—	—	
141	13,58	12,42	3,41	3200	59	1990 x 750 x 600	235	—	—	—	
181	19,78	19,78	3,41	7000	58	1990 x 860 x 880	280	—	—	—	
211	22,24	22,24	3,29	7000	58	1990 x 860 x 880	295	—	—	—	
251	26,92	25,72	3,30	7000	58	1990 x 860 x 880	305	—	—	—	
301	33,82	33,82	3,61	12000	67	1990 x 1410 x 880	360	—	—	—	
302	30,92	30,92	3,32	12000	67	1990 x 1410 x 880	380	—	—	—	
312	40,12	40,12	3,36	12000	67	1990 x 1410 x 880	365	—	—	—	
322	46,58	44,05	3,36	12000	67	1990 x 1410 x 880	385	—	—	—	
422	46,92	46,92	3,43	14000	59	1990 x 1750 x 880	535	—	—	—	
512	55,65	55,62	3,46	14000	59	1990 x 1750 x 880	540	—	—	—	
612	59,37	59,37	3,47	18000	61	1990 x 2300 x 880	685	—	—	—	
UPU/OPU – chilled water air conditioners											
10	9,9	9,3	38,26	2200	51	1990 x 750 x 600	125	—	—	○	POA
20	17,2	14,9	29,13	3200	59	1990 x 750 x 600	150	—	—	○	
30	30,0	27,8	30,00	7000	56	1990 x 860 x 880	245	—	—	○	
50	41,0	36,2	24,54	8000	60	1990 x 860 x 880	250	—	—	●	
60	52,8	47,4	22,75	12000	67	1990 x 1410 x 880	270	—	—	○	
70	63,1	54,2	24,17	12000	68	1990 x 1410 x 880	280	—	—	●	
80	65,4	61,8	24,79	16000	61	1990 x 1750 x 880	375	—	—	○	
110	80,0	73,0	24,17	18000	62	1990 x 1750 x 880	410	—	—	●	
160	110,0	99,7	29,33	24000	62	1990 x 2640 x 880	690	—	—	●	
220	160,0	146,0	24,17	36000	65	1990 x 3495 x 880	810	—	—	○	

1) Performance refers to: intake air 24 °C-45%Rh; R410A refrigerant; condensing temperature 45 °C; water temperature 7/12 °C; external static pressure 30 Pa. The declared performance does not consider the heat generated by the fans, which must be added to the thermal load of the system. 2) EER (energy efficiency ratio)= total cooling capacity / input power of compressors + input power of fans (excluding air cooled condensers).

Close Control units

G Series – Great

Perimetral and high efficiency solution for large data centres.
High delivered cooling capacity to footprint ratio.
Optimised air distribution in raised floor.
Direct expansion or Chilled water system.



Outdoor unit	Cooling capacity ¹⁾ kW	Sensible cooling capacity ¹⁾ kW	EER ²⁾	Air flow m³/h	Sound pressure dB(A)	Dimension H x W x D mm	Weight kg	RRP £
UGA – direct expansion air conditioners with air cooled or water cooled condensers								
932	102,6	102,6	4,16	18000	56	1990 x 2390 x 921	910	POA
1342	153,9	153,9	4,54	31500	61	1990 x 3120 x 921	1240	
UGU – chilled water air conditioners								
70	55,5	55,5	31,17	11000	58	1990 x 1320 x 921	540	POA
150	112,6	112,6	36,32	23000	60	1990 x 1840 x 921	840	
150 XH	129,7	129,7	36,94	26000	62	2350 x 1840 x 1050	865	
230	176,6	176,6	36,65	36000	63	1990 x 2740 x 921	1220	
230 XH	220,7	220,7	38,86	39000	65	2350 x 2740 x 1050	1250	
300	202,8	202,8	33,97	45200	62	1990 x 4020 x 921	1630	
300 XH XS	251,0	251,0	35,46	44000	67	2350 x 3200 x 1090	1550	

1) Performance refers to: intake air 32 °C-30%Rh; R410A refrigerant; condensing temperature 45 °C; water temperature 12/20 °C; external static pressure 30 Pa. The declared performance does not consider the heat generated by the fans, which must be added to the thermal load of the system. 2) EER (energy efficiency ratio)= total cooling capacity / input power of compressors + input power of fans (excluding air cooled condensers).

R Series – In-Row

In-row solution.
Airflow distribution as close as possible to servers.
Rear suction from hot aisles and front delivery to cold aisles.
Direct expansion or chilled water system.



Outdoor unit	Cooling capacity ¹⁾ kW	Sensible cooling capacity ¹⁾ kW	EER ²⁾	Air flow m³/h	Sound pressure dB[A]	Dimension H x W x D mm	Weight kg	Water cooled free cooling	Two sources	RRP £
HRA – direct expansion air conditioners with air cooled or water cooled condensers										
121	11,4	11,4	3,70	3200	51	1970 x 300 x 1200	220	○	○	POA
201	22,0	19,9	3,52	3600	53	1970 x 300 x 1200	235	○	○	
231	22,9	22,6	3,66	6000	54	2000 x 600 x 1220	235	●	●	
361	36,6	34,7	3,91	6000	56	2000 x 600 x 1220	235	○	○	
HRU – chilled water air conditioners										
20	24,5	24,5	23,09	5600	53	1970 x 300 x 1200	145		○	POA
40	37,3	37,3	27,82	9000	62	2000 x 600 x 1220	210		●	

1) Performance refers to: intake air 32 °C-30%Rh; R410A refrigerant; condensing temperature 45 °C; water temperature 12/20 °C; external static pressure 30 Pa. The declared performance does not consider the heat generated by the fans, which must be added to the thermal load of the system. 2) EER (energy efficiency ratio)= total cooling capacity / input power of compressors + input power of fans (excluding air cooled condensers).

W Series – Cold Wall

Technical corridor solution.
Zero data centres floor space occupied.
Very high EER (energy efficiency ratio) thanks to the optimised air flow.
Fully customisable according the data centres characteristics.



Outdoor unit	Cooling capacity ¹⁾ kW	Dimension HxWxD mm	Weight kg	RRP £
HWU – chilled water air conditioners				
2X1	From 112,0 to 500,5	1800 x 1900 x 1400	600	POA
3X1		1800 x 2850 x 1400	900	
4X1		1800 x 3800 x 1400	1200	
2X2		3600 x 1900 x 1400	1200	
3X2		3600 x 2850 x 1400	1800	
4X2		3600 x 3800 x 1400	2400	

1) Performance refers to: intake air 40 °C-25%Rh; R410A refrigerant; condensing temperature 45 °C; water temperature 20/30 °C; external static pressure 30 Pa. The declared performance does not consider the heat generated by the fans, which must be added to the thermal load of the system.

Vertical DX units

T-XAR - R407C

Configuration: split system – indoor unit. UC outdoor condensing unit.

2 heating options: integrated electric or hot water coils. 3-speed fan motor.

Operation range: indoor temperature +13 to +22 °C (WB) and +17 to +32 °C (DB), outdoor temperature +19 to +47 °C (DB).



Outdoor unit	Cooling capacity ¹⁾	Air flow			Static pressure ²⁾	Sound pressure ³⁾	Dimension L x W x H	RRP
		Treated air		Fresh air (with accessory)				
		Nominal	Min / Max					
	kW	m³/h	m³/h	m³/h	daPa	Normal speed dB(A)	mm	

T-XAR – air cooled models

1200	T-X1200.AR	12300	2000	1500 / 2500	180	0 / 13	51	890 x 430 x 1540	POA
1900	T-X1900.AR	16200	3200	2500 / 3800	285	0 / 21	56	1000 x 500 x 1735	
2450	T-X2450.AR	19800	4500	3600 / 5400	420	0 / 20	59	1300 x 600 x 1840	
3250	T-X3250.AR	29000	5800	4600 / 7000	500	0 / 25	65	1530 x 600 x 1830	
4650	T-X4650.AR	38900	9000	7200 / 10800	1300	0 / 23	61	1715 x 790 x 1970	
6450	T-X6450.AR	55000	12000	9500 / 14500	1650	0 / 29	69	1980 x 790 x 1970	

UC outdoor condensing unit (accessory)	Compatible with / number of necessary outdoor unit(s)	Air flow	Input power	Sound pressure ⁴⁾	Dimension	RRP
		m³/h	W	dB(A)	L x W x H mm	
UC34	X1200.AR / 1	8600	530	52	885 x 825 x 840	POA
UC54	X1900.AR / 1	7600	611	53	885 x 825 x 840	
UC74	X2450.AR / 1 X4650.AR / 2	8550	611	56	1141 x 885 x 840	
UC104	X3250.AR / 1 X6450.AR / 2	14000	1222	56	1546 x 885 x 840	

1) International standard ISO 51.51 conditions. 27 °C/19 °C (WB) – outside air : 35 °C/24 °C (WB). Wasted water: inlet +15 °C – recycled water inlet/outlet: 30 °C/35 °C. 2) Pressure in air flow range at nominal voltage, without accessories. 3) Total sound pressure dB(A) (4 m) under nominal conditions in a room of 1000 m³ (reverberation 0,83 s). 4) Total sound pressure dB(A) (4 m) under nominal conditions in free field on reflecting surface.

Accessories and options

Air distribution duct frame

Electric heaters

Fresh air intake

Front air distribution plenum

High ventilation (provided as standard for sizes 1200 and 1900)

Hot water coil

Accessories and options

ON / OFF switch and room thermostat

Pipe link 10 m – 1 circuit

Remote fault reporting

Set of female valves (mandatory)

Total rear intake duct frame

UC – outdoor condensing unit

Vertical air conditioners.

- Robust unit with mechanical control
- Easy installation and maintenance
- Small footprint casing
- Different air intake and discharge configurations
- Heating systems available (options)



UC – outdoor unit (accessory)

Vertical DX units

T-CX and T-XAO · R407C

Configuration: Mono-bloc system. 2 heating options: integrated electric or hot water coils (hot water coil not available for CX25). 3-speed fan motor (2-speed fan motor for CX25). Operation range: air temperature +15 to +23 °C (WB) and +21 to +32 °C (DB), water temperature +10 to +34 °C.



Outdoor unit	Cooling capacity ¹⁾ kW	Air flow			Static pressure ²⁾ daPa	Sound pressure ³⁾ Normal speed dB(A)	Dimension L x W x H mm	RRP €
		Treated air		Fresh air (with accessory)				
		Nominal	Min / Max	Nominal				
		m³/h	m³/h	m³/h				
T-CX and T-XAO – water cooled models								
25	T-CX25	8000	1500	1500 / 1750	—	0 / 8	—	800 x 407 x 1280
1200	T-X1200.AO	15005	2000	1500 / 2500	180	0 / 13	51	890 x 430 x 1540
1900	T-X1900.AO	18000	3200	2500 / 3800	285	0 / 21	55	1000 x 500 x 1735
2450	T-X2450.AO	23000	4500	3600 / 5400	420	0 / 20	58	1300 x 600 x 1840
3250	T-X3250.AO	32400	5800	4600 / 7000	500	0 / 25	64	1530 x 600 x 1830
4650	T-X4650.AO	45700	9000	7200 / 10800	1300	0 / 23	60	1715 x 790 x 1970

1) International standard ISO 51.51 conditions. 27 °C/19 °C (WB) – outside air : 35 °C/24 °C (WB). Wasted water: inlet +15 °C – recycled water inlet/outlet: 30 °C/35 °C. 2) Pressure in air flow range at nominal voltage, without accessories. 3) Total sound pressure dB(A) (4 m) under nominal conditions in a room of 1000 m³ (reverberation 0,83 s).

Accessories and options

Air distribution duct frame

Electric heaters

Fresh air intake

Front air distribution plenum

High ventilation (provided as standard for CX25, X1200.AO and X1900.AO)

Accessories and options

Hot water coil

ON / OFF switch and room thermostat

Remote fault reporting

Sump heating resistance

Total rear intake duct frame

Moving to more sustainable refrigeration solutions – iCORE and iCOOL ranges

15^{years}
CQ₂

Panasonic's iCORE and iCOOL condensing units offer a complete line of cooling solutions using CO₂, HFO, and HFC refrigerants – ideal for retail stores, supermarkets, HoReCa, gas stations, food processing, and cold storage. As the industry transitions toward greener technologies, Panasonic provides systems that address both immediate needs and long-term goals in energy efficiency and enhanced environmental responsibility.

iCQ₂RE
iCOOL





NEW

iCORE range.**Move to natural refrigerants.**

Panasonic's flagship range of CO₂ condensing units, representing the core of future-proof, natural refrigerant technology.

The iCORE range offers a broad selection of cooling capacities, with up to 29 kW for medium temperature applications, and up to 15 kW for low temperature requirements.

Refrigeration factory in Europe.**Wrocław, Poland.**

Equipped with a dedicated in-house R&D team focused on advancing refrigeration technologies, the site will also house its training hub and a state-of-the-art refrigeration laboratory. With local production and a streamlined supply chain, ensuring shorter delivery times across Europe—helping you get the solutions you need, faster.

NEW

iCOOL range**Reduce your energy bills with advanced Inverter technology.**

A comprehensive range of Inverter HFC and A2L-ready solutions, designed to meet today's market needs while supporting the transition to lower-GWP refrigerants.

The iCOOL range covers a wide spectrum of cooling capacities – up to 42 kW for medium temperature applications, and up to 14 kW for low temperature needs.

REF PRO DESIGNER available in Panasonic PRO Club.

This simple design tool supports engineers, installers, and technicians to make a quick calculation for commercial refrigeration systems.

- Evaporation temperature selection
- Cooling capacity calculator
- Refrigerant pipe calculation
- Electric expansion valves calculation
- Refrigerant amount calculation

Ready to work on all devices, computers, tablets and smartphones!

<https://www.panasonicproclub.com>

Refrigeration engineered for excellence

Step toward more sustainable cooling solutions.

Panasonic introduces its most extensive and versatile commercial refrigeration range to date. This milestone reflects a significant strategic evolution.



Panasonic unveils iCORE and iCOOL refrigeration ranges.

The portfolio introduces two distinct product ranges, designed to provide commercial refrigeration to a wide range of applications including retail stores, supermarkets, HoReCa sector, gas stations and cold storage applications:

iCORE



CO₂
R744

Move to natural refrigerants.

iCOOL



A2L
R454C

A2L
R455A

R448A

R449A

R134a

R513A

Reduce your energy bills with advanced Inverter technology.

iCORE range

iCORE OCU-CR CO₂ Series · R744

Superior efficiency with reliable quality.

Heat recovery port as renewable energy (for models 1000VF8A and 2000VF8A).

Flexible installation.



Model	Application	Cooling capacity at AT 32 °C, R744		Evaporation temperature	Ambient temperature	Sound level ¹⁾	Dimension	Weight	RRP	
		ET -35 °C	ET -10 °C							
		Min - Max	Min - Max							
		kW	kW							
1ph	OCU-CR200VF5A	MT / LT	1,1 - 1,9	2,1 - 3,7	-45 ~ -5	-20 ~ +43	35,5	900 x 930 x 437	70	10,607
	OCU-CR400VF8	MT	—	3,4 - 6,9	-20 ~ -5	-20 ~ +45	33,0	1143 x 948 x 609	136	16,999
	OCU-CR400VF8A	MT / LT	1,9 - 3,8	3,8 - 7,5	-45 ~ -5	-20 ~ +45	36,1	1143 x 948 x 609	149	23,246
	3ph	OCU-CR1000VF8	MT	—	6,8 - 13,5	-20 ~ -5	-20 ~ +43	36,0	890 x 1941 x 890	293
	OCU-CR1000VF8A	MT / LT	3,8 - 7,6	7,5 - 14,9	-45 ~ -5	-20 ~ +43	36,0	890 x 1941 x 890	320	30,800
	OCU-CR2000VF8A	MT / LT	3,8 - 14,6	7,5 - 28,7	-45 ~ -5	-20 ~ +45	42,0	1190 x 1941 x 890	494	52,358
	1ph	OCU-CR200VF5A-PRV	MT / LT	1,1 - 1,9	2,1 - 3,7	-45 ~ -5	-20 ~ +43	35,5	900 x 930 x 437	70
	OCU-CR400VF8-PRV	MT	—	3,4 - 6,9	-20 ~ -5	-20 ~ +45	33,0	1143 x 948 x 609	136	17,509
	OCU-CR400VF8A-PRV	MT / LT	1,9 - 3,8	3,8 - 7,5	-45 ~ -5	-20 ~ +45	36,1	1143 x 948 x 609	149	23,943
	3ph	OCU-CR1000VF8-PRV	MT	—	6,8 - 13,5	-20 ~ -5	-20 ~ +43	36,0	890 x 1941 x 890	293
	OCU-CR1000VF8A-PRV	MT / LT	3,8 - 7,6	7,5 - 14,9	-45 ~ -5	-20 ~ +43	36,0	890 x 1941 x 890	320	31,724
	OCU-CR2000VF8A-PRV	MT / LT	3,8 - 14,6	7,5 - 28,7	-45 ~ -5	-20 ~ +45	42,0	1190 x 1941 x 890	494	53,930

Additional data

Model	200	400	400	1000	1000	2000
Application	MT / LT	MT	MT / LT	MT	MT / LT	MT / LT
Connections [suction - liquid] ²⁾	Inch 3/8 - 1/4	1/2 - 3/8	1/2 - 3/8	3/4 - 5/8	3/4 - 5/8	7/8 - 3/4
Maximum recommended pipe distance	m 25	50 ³⁾	50 ³⁾	100 ³⁾	100 ³⁾	100 ³⁾

1) ET -10 °C, at maximum speed, 10 m from product. 2) These diameters correspond to the output of the unit. The required diameter must be calculated with REF PRO DESIGNER available on PRO Club.

3) PZ-68S (refrigeration oil) must be added according to REF PRO DESIGNER available on PRO Club.



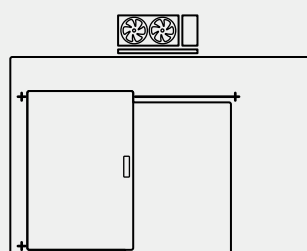
New NCU Series – CO₂ 1 HP non-housing unit.

Compact unit for small MT/LT commercial applications. Natural refrigerant at affordable price indoor and outdoor installation.

- Target applications: Small cold rooms / cooling equipment
- Cooling capacity (tentative):
MT (AT= +32 °C / ET= -10 °C): 2,0 kW (3 MT capacity levels = 100%, 75% and 50%)
LT (AT= +32 °C / ET= -35 °C): 1,0 kW (3 LT capacity levels = 100%, 75% and 50%)
- Compressor control: Single speed
- Tentative dimensions (W x D x H): 750 x 530 x 285 mm

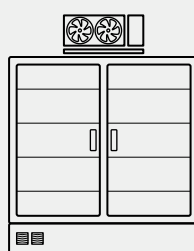
* Available in Autumn 2026.

Cold rooms



Conventional usage of condensing units.

Cooling equipment



Integrated into cooling equipment, cabinets, blast chillers, etc.



iCORE range

NEW! iCORE OCU/SCU-CRC Custom-fit CO₂ Series · R744

Smart interface (local wireless access). Service door + panel with service valve connections. Quick-change compressor skid. Based on plate and elastic hoses connections, decreasing the vibrations and noise. Front wall integrated manometers.

NEW

R744



Model	Application	Cooling capacity at AT 32 °C, R744		Evaporation temperature	Ambient temperature	Sound level at 10 m	External static pressure	Dimension	Weight	RRP	
		ET -35 °C	ET -10 °C								
		Min - Max	Min - Max								
		kW	kW								
				Min - Max °C	Min - Max °C			W x H x D mm	Kg	£	
iCORE OCU-CRC Custom-fit CO ₂ Series											
3ph	OCU-CRC060A08	MT / LT	1,2 - 3,0	2,7 - 6,0	-35 ~ -5	-20 ~ 43	41,5	N/A	1426 x 1100 x 541	200	24,360
	OCU-CRC150A08	MT / LT	3,0 - 7,3	6,8 - 15,2	-35 ~ 0	-20 ~ 43	40,4	N/A	1426 x 1516 x 541	290	32,054
	OCU-CRC210M08	MT	—	6,0 - 20,6	-20 ~ -5	-20 ~ 43	52,6	N/A	1600 x 1600 x 908	390	47,442
iCORE SCU-CRC Custom-fit CO ₂ Series – high-pressure fan models for indoor mounting											
3ph	SCU-CRC150A08	MT / LT	3,0 - 7,3	6,8 - 15,2	-35 ~ 0	-20 ~ 43	55,0	120	1326 x 1724 x 790	300	43,384

Additional data										
Model	60			150			210			150 (SCU)
Application	MT / LT			MT / LT			MT			MT / LT
Connections (suction - liquid)	Inch	3/8 - 3/8			1/2 - 1/2			5/8 - 1/2		
Maximum recommended pipe distance	m	40			50			50		

CHECK PAGE 141 FOR A WIDER SELECTION OF ACCESSORIES



Customisation options for iCORE OCU/SCU-CRC Custom-fit CO₂ Series.

The series offers customisable models that meet customer requirements.

- Factory pre-assembled options (customisation options), tested and ready-to-use options list – cutting installation time and reducing labour costs
- Up to 3 customisation options selectable*
- The final model name is composed with the customisation selections

* Available configurations vary by series.



iCORE OCU/SCU-CRC Series – list of customisable models with available configuration coding

iCORE range – CO ₂ condensing units								
Series	Application	Base model	Customisation options				Model	
			Coating (C)	Heat recovery (D)	HP Fan (P)	Suction PRV (S)		
OCU-CRC	MT/LT	OCU-CRC060A08	Base model. No options chosen.				OCU-CRC060A08	
			✓		—	—	OCU-CRC060A08-C	
			—	Not available	✓	—	OCU-CRC060A08-P	
			✓		✓	—	OCU-CRC060A08-CP	
		OCU-CRC150A08	Base model. No options chosen.				OCU-CRC150A08	
			✓	—		—	OCU-CRC150A08-C	
			—	✓		—	OCU-CRC150A08-D	
			—	—	Not available	✓	OCU-CRC150A08-S	
			✓	✓		—	OCU-CRC150A08-CD	
			✓	—		✓	OCU-CRC150A08-CS	
	MT	OCU-CRC210M08	Base model. No options chosen.				OCU-CRC210M08	
			✓	Not available	Not available	Not available	OCU-CRC210M08-C	
	SCU-CRC	MT/LT	SCU-CRC150A08	Base model. No options chosen.				SCU-CRC150A08
				✓	—	Standard	Not available	SCU-CRC150A08-C

Accessories and control – iCORE

Control panels and electric expansion valves			RRP £
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V03CWAC0.	KIT-C02-PANEL-C-03	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V05CWAC0.	KIT-C02-PANEL-C-05	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V09CWAC0.	KIT-C02-PANEL-C-09	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V11CWAC0.	KIT-C02-PANEL-C-11	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V14CWAC0.	KIT-C02-PANEL-C-14	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V18CWAC0.	KIT-C02-PANEL-C-18	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E2V24CWAC0.	KIT-C02-PANEL-C-24	1,992
	Panel-C + MPXPRO control, stator, probes, etc + EEV 3/8" (9,52) ODF high pressure, size E3V30CWM00.	KIT-C02-PANEL-C-30	1,992
Cold room management via condensing unit interface – Options 1-2-3 + Cold room display			RRP £
Option 1			
	Room board for EEV control connection box*.	CZ-C02-EEV-BOX	454
	* Room board for 1xEEV control allows to connect Carel, Danfoss and Saginomiya EEV. Sensors and EEV valve not included.		
Option 2			
	Room board for EEV control connection kit*.	CZ-C02-EEV-KIT	341
	* Room board for 1xEEV control allows to connect Carel, Danfoss and Saginomiya EEV. KIT includes sensors. EEV valve not included.		
Option 3			
	Room board for EEV control connection kit, with sensors and EEV, size E2V03CWAC0.	CZ-C02-EEV-KIT-03	591
	Room board for EEV control connection kit, with sensors and EEV, size E2V05CWAC0.	CZ-C02-EEV-KIT-05	591
	Room board for EEV control connection kit, with sensors and EEV, size E2V09CWAC0.	CZ-C02-EEV-KIT-09	591
	Room board for EEV control connection kit, with sensors and EEV, size E2V11CWAC0.	CZ-C02-EEV-KIT-11	591
	Room board for EEV control connection kit, with sensors and EEV, size E2V14CWAC0.	CZ-C02-EEV-KIT-14	591
	Room board for EEV control connection kit, with sensors and EEV, size E2V18CWAC0.	CZ-C02-EEV-KIT-18	591
	Room board for EEV control connection kit, with sensors and EEV, size E2V24CWAC0.	CZ-C02-EEV-KIT-24	591
	Room board for EEV control connection kit, with sensors and EEV, size E3V30CWM00.	CZ-C02-EEV-KIT-30	1,724
Cold room display			
	Wall-mounted LED display. To be combined with options 1-2-3.	CZ-C02-DISPLAY	364
CO ₂ service checker			RRP £
	CO ₂ service checker for commissioning, maintenance and troubleshooting.	PAW-C02-CHECKER	569

External CO ₂ receivers			RRP £
	External CO ₂ receiver, 24 L 80 bar, Housed (up to 8 kg additional refrigerant volume). Delivered with proper insulation.	CZ-C02-R24L80-H	6,134
	External CO ₂ receiver, 24 L 90 bar, Housed (up to 8 kg additional refrigerant volume). Delivered with proper insulation.	CZ-C02-R24L90-H	6,361
	External CO ₂ receiver, 24 L 80 bar, non-housed (up to 8 kg additional refrigerant volume). Delivered with proper insulation.	CZ-C02-R24L80-E	4,096
	External CO ₂ receiver, 24 L 90 bar, non-housed (up to 8 kg additional refrigerant volume). Delivered with proper insulation.	CZ-C02-R24L90-E	4,323
Other accessories			RRP £
	Service adaptor for vacuum and service (HP and LP port).	SPK-TU125	194
	Lubrication oil PZ-68S (0,5L).	CZ-C02LBROL500	114
	Pressure release valve (PRV) 3/8" (9,52) NPT x G 1/2" (12,70) Pset= 60,0 bar.	PAW-C02-PRV60	304
	Pressure release valve (PRV) 3/8" (9,52) NPT x G 1/2" (12,70) Pset= 80,0 bar.	PAW-C02-PRV80	304
	Pressure release valve (PRV) 3/8" (9,52) NPT x G 1/2" (12,70) Pset= 120,0 bar.	PAW-C02-PRV120	323
	Sight glass, 130 bar, 1/4" (6,35) ODS.	PAW-SGT-GLASS-1/4	62
	Sight glass, 130 bar, 3/8" (9,52) ODS.	PAW-SGT-GLASS-3/8	62
	Sight glass, 130 bar, 1/2" (12,70) ODS.	PAW-SGT-GLASS-1/2	65
	Sight glass, 130 bar, 5/8" (15,88) - 16 mm ODS.	PAW-SGT-GLASS-5/8	72
	Sight glass, 130 bar, 3/4" (19,05) ODS.	PAW-SGT-GLASS-3/4	95
	Changeover valve, 3/8" (9,52) NPT x 3/8" (9,52) NPT.	PAW-C02-CHANGE-0	232
	Racord 3/8" (9,52) NPT x 3/8" (9,52) ODS (for K65 pipe connection).	PAW-C02-RACORD-3/8	11
	Racord 3/8" (9,52) NPT x 1/2" (12,70) ODS (for K65 pipe connection).	PAW-C02-RACORD-1/2	14
	Racord 3/8" (9,52) NPT x 5/8" (15,88) ODS (for K65 pipe connection).	PAW-C02-RACORD-5/8	11
	Racord 3/8" (9,52) NPT x 3/4" (19,05) ODS (for K65 pipe connection).	PAW-C02-RACORD-3/4	12



Accessories compatibility – iCORE

Accessories (can be ordered separately)											
Series	OCU-CR							OCU-CRC			SCU-CRC
Model	OCU-CR 200VF5A	OCU-CR 400VF8	OCU-CR 400VF8A	OCU-CR 1000VF8	OCU-CR 1000VF8A	OCU-CR 2000VF8A	OCU-CR 2000VF8A	OCU-CRC 060A08	OCU-CRC 150A08	OCU-CRC 210M08	SCU-CRC 150A08
Compatibility: • Optional accessory / •• Mandatory accessory / ••• Spare part for service (one pc. always included as standard with the unit).											
Control panels and electric expansion valves kit											
Panel-C + MPXPRO, stator, probes, etc + EEV E2V03CWAC0.	KIT-C02-PANEL-C-03	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E2V05CWAC0.	KIT-C02-PANEL-C-05	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E2V09CWAC0.	KIT-C02-PANEL-C-09	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E2V11CWAC0.	KIT-C02-PANEL-C-11	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E2V14CWAC0.	KIT-C02-PANEL-C-14	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E2V18CWAC0.	KIT-C02-PANEL-C-18	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E2V24CWAC0.	KIT-C02-PANEL-C-24	•	•	•	•	•	•	•	•	•	•
Panel-C + MPXPRO, stator, probes, etc + EEV E3V30CWM00.	KIT-C02-PANEL-C-30	•	•	•	•	•	•	•	•	•	•
Cold room management via condensing unit interface – Options 1-2-3 + Cold room display											
Option 1											
Room board for EEV control connection box.	CZ-C02-EEV-BOX							•	•	•	•
Option 2											
Room board for EEV control connection kit.	CZ-C02-EEV-KIT							•	•	•	•
Option 3											
Room board for EEV control connection kit, with sensors and EEV, E2V03CWAC0.	CZ-C02-EEV-KIT-03							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E2V05CWAC0.	CZ-C02-EEV-KIT-05							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E2V09CWAC0.	CZ-C02-EEV-KIT-09							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E2V11CWAC0.	CZ-C02-EEV-KIT-11							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E2V14CWAC0.	CZ-C02-EEV-KIT-14							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E2V18CWAC0.	CZ-C02-EEV-KIT-18							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E2V24CWAC0.	CZ-C02-EEV-KIT-24							•	•	•	•
Room board for EEV control connection kit, with sensors and EEV, E3V30CWM00.	CZ-C02-EEV-KIT-30							•	•	•	•
Cold room display											
Wall-mounted LED display. To be combined with options 1-2-3.	CZ-C02-DISPLAY							•	•	•	•
Oil											
CO ₂ Lubrication oil PZ-68S (0,5L).	CZ-C02LBROL500	•	•	•	•	•	•	•	•	•	•
Pressure release valves (PRV) for K65											
Pressure release valve (PRV) Pset= 60,0 bar (PRV for suction line all units*). * For OCU-CRC units a suction PRV is available also as customisation option.	PAW-C02-PRV60	•	•	•	•	•	•	•	•	•	•
Pressure release valve (PRV) Pset= 80,0 bar (PRV for suction line all units* or for liquid receiver for OCU-CR400VF8(A), OCU-CR1000VF8(A) and OCU-CR2000VF8(A)). * For OCU-CRC units a suction PRV is available also as customisation option.	PAW-C02-PRV80	•	•	•	•	•	•	•	•	•	•
Pressure release valve (PRV) Pset= 120,0 bar (PRV for liquid receiver for OCU-CR200VF5A).	PAW-C02-PRV120	•									

Accessories (can be ordered separately)

Series	OCU-CR							OCU-CRC			SCU-CRC
Model	OCU-CR 200VF5A	OCU-CR 400VF8	OCU-CR 400VF8A	OCU-CR 1000VF8	OCU-CR 1000VF8A	OCU-CR 2000VF8A	OCU-CR 060A08	OCU-CRC 150A08	OCU-CRC 210M08	OCU-CRC 150A08	SCU-CRC 150A08

Compatibility: • Optional accessory / •• Mandatory accessory / ••• Spare part for service (one pc. always included as standard with the unit).

Changeover valve for dual PRV connection.	PAW-C02-CHANGE-0	•	•	•	•	•	•	•	•	•	•
---	------------------	---	---	---	---	---	---	---	---	---	---

Records for PRV and for K65 pipe

Racord ¾ [9,52] NPT x ¾ [9,52] ODS (for K65 pipe connection).	PAW-C02-RACORD-3/8	•	•	•	•	•	•	•	•	•	•
Racord ¾ [9,52] NPT x ½ [12,70] ODS (for K65 pipe connection).	PAW-C02-RACORD-1/2	•	•	•	•	•	•	•	•	•	•
Racord ¾ [9,52] NPT x ⅝ [15,88] ODS (for K65 pipe connection).	PAW-C02-RACORD-5/8	•	•	•	•	•	•	•	•	•	•
Racord, ¾ [9,52] NPT x ¾ [19,05] ODS (for K65 pipe connection).	PAW-C02-RACORD-3/4	•	•	•	•	•	•	•	•	•	•

Sight glass for K65 pipe

Sight glass, 130 bar, ¼ [6,35] ODS.	PAW-SGT-GLASS-1/4	•	•	•	•	•	•	•	•	•	•
Sight glass, 130 bar, ¾ [9,52] ODS.	PAW-SGT-GLASS-3/8	•	•	•	•	•	•	•	•	•	•
Sight glass, 130 bar, ½ [12,70] ODS.	PAW-SGT-GLASS-1/2	•	•	•	•	•	•	•	•	•	•
Sight glass, 130 bar, ⅝ [15,88] - 16 mm ODS.	PAW-SGT-GLASS-5/8	•	•	•	•	•	•	•	•	•	•
Sight glass, 130 bar, ¾ [19,05] ODS.	PAW-SGT-GLASS-3/4	•	•	•	•	•	•	•	•	•	•

External CO₂ receivers for K65

External CO ₂ receiver, 24 L 80 bar, Housed.	CZ-C02-R24L80-H				•	•	•	•	•		•
External CO ₂ receiver, 24 L 90 bar, Housed.	CZ-C02-R24L90-H									•	
External CO ₂ receiver, 24 L 80 bar, non-housed.	CZ-C02-R24L80-E				•	•	•	•	•		•
External CO ₂ receiver, 24 L 90 bar, non-housed.	CZ-C02-R24L90-E									•	

Service accessories

CO ₂ service checker for commissioning, maintenance and troubleshooting.	PAW-C02-CHECKER	•	•	•	•	•	•				
Service adaptor* for vacuum and service (HP and LP port). 2 pcs. are recommended for OCU-CR2000VF8A. * OCU/SCU-CRC units include the service connection panels in standard.	SPK-TU125	••	••	••	••	••	••				
S-006T suction filter, ¾ [19,05] (outer Ø welding).	80203514142000		•••	•••				••			
S-008T1 suction filter, ¾ [19,05] (outer Ø welding).	80203514139000 (1)				•••	•••	•••		••	••	••
D-155T filter dryer, ⅝ [15,88] (in Ø welding) (type CO-085-S).	80203513180000 (2)				•••	•••					
DCY-P8 165 S filter dryer, ⅝ [16,10] (in Ø welding).	80203513187000 (3)				•••	•••					
D-152T filter dryer, ¼ [6,35] (in Ø welding) (type CO-082-S).	80203513179000 (4)	•••									
DCY-P8 093S filter dryer, ¾ [9,60] (in Ø welding).	80203513190000		•••	•••							
DCY-P8 306 S filter dryer, ¾ [19,05] (outer Ø welding).	80203513188000						•••				
DCY-P12 092 S filter dryer, ¼ [6,40] (in Ø welding).	80203513186000 (5)	•••									

Compatibility relationship: (2) and (3) are compatible; (4) and (5) are compatible; (2) and (4) until end of stock.

CHECK THE FULL DESCRIPTION IN ACCESSORIES AND CONTROL – iCORE TABLE 

REF PRO DESIGNER.

This simple design tool supports engineers, installers, and technicians to make a quick calculation for commercial refrigeration systems:
<http://www.panasonicproclub.com>



iCOOL range

NEW! iCOOL SE Series - R448A / R449A / R134a / R513A / R454C / R455A

Similar investment cost and significant energy savings vs. ON / OFF technology.
Full BLDC Inverter technology.
Dedicated PLC controller.

NEW



Model	Application	Cooling capacity at AT 32 °C, R449A/R448A		Compatible refrigerants	Evaporation temperature	Ambient temperature	Sound level at 10 m	Dimension	Weight	RRP	
		ET -35 °C	ET -10 °C "								
		Min - Max kW	Min - Max kW		Min ~ Max °C	Min ~ Max °C	dB(A)	W x H x D mm	Kg		
iCOOL SE Series – OCU-KRE – HFC models											
1ph	OCU-KRE025M05	MT	—	0,8 - 2,6	R448A, R449A, R134a, R513A	-15 ~ 0	-20 ~ 43	42,5	1000 x 605 x 450	70	4,615
	OCU-KRE045M05	MT	—	1,6 - 4,6	R448A, R449A, R134a, R513A	-15 ~ 0	-20 ~ 43	42,5	1000 x 605 x 450	70	5,130
	OCU-KRE070M05	MT	—	2,3 - 6,6	R448A, R449A, R134a, R513A	-15 ~ 0	-20 ~ 43	42,5	1100 x 805 x 450	80	5,645
	OCU-KRE012L05	LT	0,3 - 1,0	—	R448A, R449A	-35 ~ -15	-20 ~ 43	42,5	1000 x 605 x 450	70	5,253
	OCU-KRE022L05	LT	0,6 - 1,8	—	R448A, R449A	-35 ~ -15	-20 ~ 43	42,5	1000 x 605 x 450	70	5,768
	OCU-KRE030L05	LT	0,8 - 2,4	—	R448A, R449A	-35 ~ -15	-20 ~ 43	42,5	1000 x 605 x 450	80	6,283
iCOOL SE Series – OCU-LRC – A2L-ready model											
3ph	OCU-LRC100M08	MT	—	2,3 - 9,5	R448A, R449A, R134a, R513A, R454C, R455A	-15 ~ 5	-20 ~ 43	39,0	1286 x 858 x 471	170	TBC

Additional data

Model	25	45	70	100	12	22	30
Application	MT	MT	MT	MT	LT	LT	LT
Connections (suction - liquid)	Inch 1/2 - 3/8	5/8 - 3/8	3/4 - 3/8	7/8 - 1/2	1/2 - 3/8	5/8 - 3/8	3/4 - 3/8
Maximum recommended pipe distance	m 30	30	30	40	20	20	20

1) Data for OCU-LRC100M08 are tentative. For more detailed information, please contact Panasonic.

CHECK PAGE 148 FOR A SELECTION OF ACCESSORIES

iCOOL SE Series– list of customisable models with available configuration coding

iCOOL SE Series – HF0/HFC condensing units

Series	Application	Base model	Customisation options		Model
			Coating (C)	Heat recovery (D)	
iCOOL SE	MT	OCU-LRC100M08	Base model. No options chosen.		OCU-LRC100M08
			✓	—	OCU-LRC100M08-C
			—	✓	OCU-LRC100M08-D
			✓	✓	OCU-LRC100M08-CD
	Other iCOOL SE models are not customisable				

iCOOL SE A2L-ready OCU-LRE Series

Upgrade* of the entire existing range of iCOOL SE HFC Series - OCU-KRE to meet the A2L requirements.

A2L refrigerants are a class of low Global Warming Potential (GWP) gases that serve as alternatives to traditional HFCs, offering mild flammability and low toxicity.

* OCU-LRE070M05 model available in Summer 2026.



A2L R454C A2L R455A R448A R449A R134a R513A

iCOOL range

NEW! iCOOL OCU/SCU Series · R448A / R449A / R134a / R513A

Complete capacity range of compact CDUs for multi-evaporator applications.

Significant energy savings vs. ON / OFF.

Customisation options – fully tested and factory mounted.

NEW



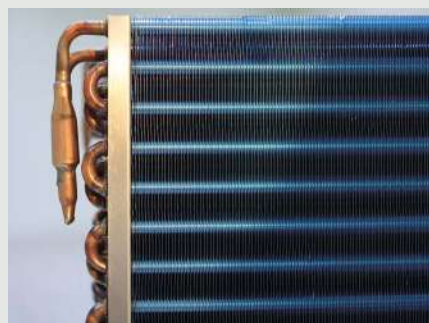
Model	Application	Cooling capacity at AT 32 °C, R449A/R448A		Compatible refrigerants	Evap- oration temp.	Ambient temp.	Sound level at 10 m	External static pressure	Dimension	Weight	RRP	
		ET -35 °C	ET -10 °C									
		Min - Max	Min - Max									
		kW	kW									
iCOOL OCU Series												
OCU-KRC045M08	MT	—	0,8 - 4,7	R448A, R449A, R134a, R513A	-15 ~ 5	-20 ~ 43	39,0	—	1106 x 559 x 461	94	7,169	
OCU-KRC070M08	MT	—	1,2 - 7,2	R448A, R449A, R134a, R513A	-15 ~ 5	-20 ~ 43	40,0	—	1140 x 758 x 439	110	8,313	
OCU-KRC100M08	MT	—	2,2 - 9,4	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	41,0	—	1280 x 963 x 439	140	9,610	
OCU-KSC120M08	MT	—	3,0 - 11,9	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	40,0	—	1420 x 963 x 439	175	11,269	
OCU-KSC150M08	MT	—	4,2 - 14,7	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	44,0	—	1322 x 1493 x 475	231	14,029	
OCU-KSC160M08	MT	—	2,9 - 16,3	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	44,0	—	1521 x 1493 x 475	283	14,946	
OCU-KSC190M08	MT	—	2,9 - 18,7	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	44,0	—	1521 x 1493 x 475	285	15,605	
3ph	OCU-KSC240M08	MT	—	4,3 - 24,2	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	44,0	—	1528 x 1488 x 879	397	20,137
	OCU-KSC280M08	MT	—	4,3 - 27,5	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	44,0	—	1528 x 1488 x 879	426	20,559
	OCU-KSC400M08	MT	—	6,5 - 39,7	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	43,0	—	1670 x 1695 x 1090	520	28,913
	OCU-KSC420M08	MT	—	6,5 - 42,2	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	43,0	—	1670 x 1695 x 1090	520	30,643
	OCU-KRC035L08	LT	0,4 - 2,8	—	R448A, R449A	-35 ~ -15	-20 ~ 43	39,0	—	1105 x 559 x 466	96	8,529
	OCU-KRC050L08	LT	1,2 - 4,4	—	R448A, R449A	-35 ~ -15	-20 ~ 43	44,0	—	1289 x 758 x 439	132	11,104
	OCU-KSC090L08	LT	1,7 - 6,8	—	R448A, R449A	-35 ~ -10	-20 ~ 43	44,0	—	1322 x 1493 x 475	286	15,141
	OCU-KSC140L08	LT	1,7 - 11,6	—	R448A, R449A	-35 ~ -10	-20 ~ 43	44,0	—	1528 x 1488 x 879	460	25,297
	iCOOL SCU Series – high-pressure fan models for indoor mounting											
	SCU-KSC160M08	MT	—	2,9 - 16,3	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	55,0	120	1327 x 1558 x 745	342	22,660
3ph	SCU-KSC190M08	MT	—	2,9 - 18,7	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	55,0	80	1327 x 1558 x 745	344	23,443
	SCU-KSC090L08	LT	1,7 - 6,8	—	R448A, R449A	-35 ~ -10	-20 ~ 43	55,0	120	1327 x 1558 x 745	325	24,999

Additional data

Model	45	70	100	120	150	160	190	240	280	400	420	35	50	90	140	160	190	90
Application	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	MT	LT	LT	LT	LT	MT	MT	LT
Connections (suction - liquid)	Inch	5/8 - 3/8	3/4 - 3/8	7/8 - 1/2	7/8 - 1/2	1 1/8 - 5/8	1 1/8 - 5/8	1 3/8 - 7/8	1 3/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	7/8 - 3/8	7/8 - 3/8	1 1/8 - 5/8	1 3/8 - 7/8	1 1/8 - 5/8	1 1/8 - 5/8	1 1/8 - 5/8
Maximum recommended pipe distance	m	40	40	40	40	50	50	70	70	70	70	40	40	40	50	50	50	40



CHECK PAGE 148 FOR A SELECTION OF ACCESSORIES

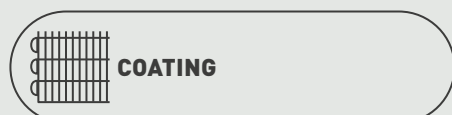


Customisation options for iCOOL Series.

The series offers customisable models that meet customer requirements.

- Factory pre-assembled options (customisation options), tested and ready-to-use options list – cutting installation time and reducing labour costs*
- Up to 3 customisation options selectable**

* The final model name is composed with the customisation selections. ** Only for iCOOL OCU/SCU Series .Available configurations vary by series.



COATING



HEAT RECOVERY - DIRECT CONNECTIONS



HIGH PRESSURE FAN

iCOOL range

NEW! iCOOL LCU Series (remote compressor base) · R448A / R449A / R134a / R513A

Noise reduction (indoor installation).

No space pollution (city-centres focus).

NEW



Model	Application	Cooling capacity at CT 45 °C, R449A/R448A		Input power at CT 45 °C, R449A/R448A		Compatible refrigerants	Evaporation temperature	Ambient temp.	Sound level at 10 m	Dimension	Weight	RRP
		ET -35 °C Min - Max (speed) kW	ET -10 °C Min - Max (speed) kW	ET -35 °C Min - Max (speed) kW	ET -10 °C Min - Max (speed) kW							
LCU-KRC045M08	MT	—	0,7 - 5,1	—	0,33 - 2,19	R448A, R449A, R134a, R513A	-15 ~ 5	-20 ~ 43	39,0	1000 x 705 x 530	85	7,818
LCU-KRC070M08	MT	—	1,0 - 7,2	—	0,49 - 3,06	R448A, R449A, R134a, R513A	-15 ~ 5	-20 ~ 43	42,0	1000 x 772 x 507	89	8,385
LCU-KSC100M08	MT	—	2,3 - 10,0	—	2,11 - 5,71	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	54,0	1200 x 775 x 561	124	8,807
LCU-KSC160M08	MT	—	2,3 - 16,3	—	2,11 - 8,92	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	54,0	1300 x 874 x 662	209	14,348
3ph LCU-KSC190M08	MT	—	2,3 - 19,6	—	2,11 - 10,60	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	54,0	1300 x 874 x 662	211	15,852
LCU-KSC280M08	MT	—	4,6 - 27,7	—	3,14 - 13,47	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	52,0	1650 x 975 x 649	301	20,487
LCU-KSC400M08	MT	—	5,4 - 38,0	—	3,63 - 19,35	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	55,0	1860 x 975 x 890	380	24,926
LCU-KRC020L08	LT	0,2 - 1,6	—	0,28 - 1,86	—	R448A, R449A	-35 ~ 5	-20 ~ 43	39,0	1000 x 705 x 530	85	8,807
LCU-KRC035L08	LT	0,3 - 2,4	—	0,40 - 2,60	—	R448A, R449A	-35 ~ -15	-20 ~ 43	42,0	1000 x 705 x 530	85	9,147
LCU-KRC050L08	LT	1,0 - 4,3	—	2,10 - 4,85	—	R448A, R449A	-35 ~ -15	-20 ~ 43	50,0	1000 x 772 x 536	132	9,693
LCU-KSC090L08	LT	1,8 - 6,9	—	4,42 - 8,76	—	R448A, R449A	-35 ~ -10	-20 ~ 43	55,0	1300 x 705 x 530	159	12,566

Additional data

Model		45	70	100	160	190	280	400	20	35	50	90	
Application		MT	MT	MT	MT	MT	MT	MT	LT	LT	LT	LT	
Connections (suction - liquid)		Inch	5/8 - 3/8	3/4 - 3/8	7/8 - 1/2	1 1/8 - 5/8	1 1/8 - 5/8	1 3/8 - 7/8	1 5/8 - 7/8	5/8 - 3/8	7/8 - 3/8	7/8 - 3/8	1 1/8 - 5/8
Maximum recommended pipe distance		m	40	40	40	50	50	70	70	40	40	40	40

* ET: Evaporation Temperature. CT: Condensing Temperature.

CHECK PAGE 148 FOR A SELECTION OF ACCESSORIES

NEW! iCOOL WCU Series (water/glycol cooled condensing units) · R448A / R449A / R134a / R513A

Noise reduction (indoor installation).

No space pollution (city-centres focus).

Available with water cooled condenser option, for shorter installations and heat reclaim benefits.

NEW



Model	Application	Cooling capacity at WT 30 °C / CT 40 °C, R449A/R448A		Compatible refrigerants	Evaporation temperature	Ambient temperature	Sound level at 10 m	Dimension	Weight	RRP
		ET -35 °C Min - Max kW	ET -10 °C Min - Max kW							
WCU-KRC045M08	MT	—	0,7 - 5,4	R448A, R449A, R134a, R513A	-15 ~ 5	-20 ~ 43	39,0	1000 x 705 x 530	90	9,569
WCU-KRC070M08	MT	—	1,1 - 7,7	R448A, R449A, R134a, R513A	-15 ~ 5	-20 ~ 43	42,0	1000 x 772 x 507	94	10,084
WCU-KSC100M08	MT	—	2,8 - 11,1	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	54,0	1200 x 775 x 561	134	10,970
WCU-KSC160M08	MT	—	2,8 - 18,1	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	54,0	1300 x 874 x 662	219	14,173
3ph WCU-KSC190M08	MT	—	2,8 - 21,8	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	54,0	1300 x 874 x 662	221	19,210
WCU-KSC280M08	MT	—	5,0 - 30,5	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	52,0	1650 x 975 x 649	316	24,432
WCU-KSC400M08	MT	—	5,9 - 41,0	R448A, R449A, R134a, R513A	-15 ~ 10	-20 ~ 43	55,0	1860 x 975 x 890	395	29,860
WCU-KRC020L08	LT	0,2 - 1,7	—	R448A, R449A	-35 ~ 5	-20 ~ 43	39,0	1000 x 705 x 530	92	9,415
WCU-KRC035L08	LT	0,3 - 2,6	—	R448A, R449A	-35 ~ -15	-20 ~ 43	42,0	1000 x 705 x 530	92	9,734
WCU-KRC050L08	LT	1,1 - 4,6	—	R448A, R449A	-35 ~ -15	-20 ~ 43	50,0	1000 x 772 x 536	139	10,434
WCU-KSC090L08	LT	2,0 - 7,3	—	R448A, R449A	-35 ~ -10	-20 ~ 43	55,0	1300 x 705 x 530	169	14,719

Additional data

Additional data												
Model		45	70	100	160	190	280	400	20	35	50	90
Application		MT	MT	MT	MT	MT	MT	MT	LT	LT	LT	LT
Connections (suction - liquid)	Inch	5/8 - 3/8	3/4 - 3/8	7/8 - 1/2	1 1/8 - 5/8	1 1/8 - 5/8	1 3/8 - 7/8	1 5/8 - 7/8	5/8 - 3/8	7/8 - 3/8	7/8 - 3/8	1 1/8 - 5/8
Maximum recommended pipe distance	m		40	40	50	50	70	70	40	40	40	40

* ET: Evaporating Temperature. WT: Water (or glycol) inlet temperature. CT: Condensing Temperature.

CHECK PAGE 148 FOR A SELECTION OF ACCESSORIES

iCOOL OCU/SCU – list of customisable models with available configuration coding

iCOOL OCU/SCU Series – HFO/HFC condensing units

Series	Application	Base model	Customisation options			Model			
			Coating (C)	Heat recovery (D)	HP Fan (P)				
OCU	MT	OCU-KRC045M08 OCU-KRC070M08 OCU-KRC100M08	Base model. No options chosen.			OCU-KRC***M08			
			✓	—	—	OCU-KRC***M08-C			
			—	✓	—	OCU-KRC***M08-D			
			—	—	✓	OCU-KRC***M08-P			
			✓	✓	—	OCU-KRC***M08-CD			
			✓	—	✓	OCU-KRC***M08-CP			
			—	✓	✓	OCU-KRC***M08-DP			
			✓	✓	✓	OCU-KRC***M08-CDP			
		OCU-KSC120M08 OCU-KSC150M08	Base model. No options chosen.			OCU-KSC***M08			
			✓	—	—	OCU-KSC***M08-C			
			—	✓	—	OCU-KSC***M08-D			
			—	—	✓	OCU-KSC***M08-P			
			✓	✓	—	OCU-KSC***M08-CD			
			✓	—	✓	OCU-KSC***M08-CP			
			—	✓	✓	OCU-KSC***M08-DP			
			✓	✓	✓	OCU-KSC***M08-CDP			
		OCU-KSC160M08 OCU-KSC190M08 OCU-KSC240M08 OCU-KSC280M08	Base model. No options chosen.			OCU-KSC***M08			
			✓	—	—	OCU-KSC***M08-C			
			—	✓	—	OCU-KSC***M08-D			
			✓	✓	—	OCU-KSC***M08-CD			
		OCU-KSC400M08 OCU-KSC420M08	Base model. No options chosen.			OCU-KSC***M08			
			—	✓	Standard	OCU-KSC***M08-D			
OCU	LT	OCU-KRC035L08 OCU-KRC050L08	Base model. No options chosen.			OCU-KRC***L08			
			✓	—	—	OCU-KRC***L08-C			
			—	✓	—	OCU-KRC***L08-D			
			—	—	✓	OCU-KRC***L08-P			
			✓	✓	—	OCU-KRC***L08-CD			
			✓	—	✓	OCU-KRC***L08-CP			
			—	✓	✓	OCU-KRC***L08-DP			
			✓	✓	✓	OCU-KRC***L08-CDP			
		OCU-KSC090L08 OCU-KSC140L08	Base model. No options chosen.			OCU-KSC***L08			
			✓	—	—	OCU-KSC***L08-C			
OCU	LT	OCU-KSC090L08 OCU-KSC140L08	—	✓	—	OCU-KSC***L08-D			
			✓	✓	—	OCU-KSC***L08-CD			
			SCU	MT	SCU-KSC160M08 SCU-KSC190M08	Base model. No options chosen.			SCU-KSC***M08
						✓	—	Standard	SCU-KSC***M08-C
—	✓	SCU-KSC***M08-D							
✓	✓	SCU-KSC***M08-CD							
LT	SCU-KSC090L08	Base model. No options chosen.			SCU-KSC090L08				
		✓		—	Standard	SCU-KSC090L08-C			
		—	✓	SCU-KSC090L08-D					
		✓	✓	SCU-KSC090L08-CD					

iCOOL LCU/WCU – list of customisable models with available configuration coding

iCOOL range – LCU/WCU condensing units

Series	Application	Base model	Customisation options	Example model
			Housing (H)	
LCU WCU	MT	LCU-KRC***M08 / LCU-KSC***M08 / LCU-KRC***L08 / LCU-KSC***L08 WCU-KRC***M08 / WCU-KSC***M08 / WCU-KRC***L08 / WCU-KSC***L08	Base model. No options chosen.	LCU-KRC***M08
	LT		✓	LCU-KRC***M08-H

Accessories and compatibility – iCOOL Series

Oil			RRP €
	Compressor oil FV68S 2,0 l.	CZ-HFC-FV68SL20	223
	Compressor oil FV68S 500 ml.	CZ-HFC-FV68SL05	96

Oil			RRP €
	Compressor oil FV32S 2,0 l.	CZ-HFC-FV32SL20	223
	Compressor oil FV32S 500 ml.	CZ-HFC-FV32SL05	96

Accessories (can be ordered separately)

iCOOL SE Series

Model	OCU-	KRE025M05	KRE045M05	KRE070M05	LRC100M08	KRE012L05	KRE022L05	KRE030L05
Compressor oil FV68S 2,0 l.	CZ-HFC-FV68SL20	•	•	•	•	•	•	•
Compressor oil FV68S 500 ml.	CZ-HFC-FV68SL05	•	•	•	•	•	•	•
Compressor oil FV32S 2,0 l.	CZ-HFC-FV32SL20							
Compressor oil FV32S 500 ml.	CZ-HFC-FV32SL05							

iCOOL OCU/SCU Series

Model		OCU-KRC 045M08	OCU-KRC 070M08	OCU-KRC 100M08	OCU-KSC 120M08	OCU-KSC 150M08	OCU-KSC 160M08	OCU-KSC 190M08	OCU-KSC 240M08	OCU-KSC 280M08
Compressor oil FV68S 2,0 l.	CZ-HFC-FV68SL20	•	•	•	•	•	•	•	•	•
Compressor oil FV68S 500 ml.	CZ-HFC-FV68SL05	•	•	•	•	•	•	•	•	•
Compressor oil FV32S 2,0 l.	CZ-HFC-FV32SL20									
Compressor oil FV32S 500 ml.	CZ-HFC-FV32SL05									

Model		OCU-KSC 400M08	OCU-KSC 420M08	OCU-KRC 035L08	OCU-KRC 050L08	OCU-KSC 090L08	OCU-KSC 140L08	SCU-KSC 160M08	SCU-KSC 190M08	SCU-KSC 090L08
Compressor oil FV68S 2,0 l.	CZ-HFC-FV68SL20	•	•	•	•			•	•	
Compressor oil FV68S 500 ml.	CZ-HFC-FV68SL05	•	•	•	•			•	•	
Compressor oil FV32S 2,0 l.	CZ-HFC-FV32SL20					•	•			•
Compressor oil FV32S 500 ml.	CZ-HFC-FV32SL05					•	•			•

iCOOL LCU

Model		LCU-KRC 045M08	LCU-KRC 070M08	LCU-KSC 100M08	LCU-KSC 160M08	LCU-KSC 190M08	LCU-KSC 280M08	LCU-KSC 400M08	LCU-KRC 020L08	LCU-KRC 035L08	LCU-KRC 050L08	LCU-KSC 090L08
Compressor oil FV68S 2,0 l.	CZ-HFC-FV68SL20	•	•	•	•	•	•	•	•	•	•	
Compressor oil FV68S 500 ml.	CZ-HFC-FV68SL05	•	•	•	•	•	•	•	•	•	•	
Compressor oil FV32S 2,0 l.	CZ-HFC-FV32SL20											•
Compressor oil FV32S 500 ml.	CZ-HFC-FV32SL05											•

iCOOL WCU

Model		WCU-KRC 045M08	WCU-KRC 070M08	WCU-KSC 100M08	WCU-KSC 160M08	WCU-KSC 190M08	WCU-KSC 280M08	WCU-KSC 400M08	WCU-KRC 020L08	WCU-KRC 035L08	WCU-KRC 050L08	WCU-KSC 090L08
Compressor oil FV68S 2,0 l.	CZ-HFC-FV68SL20	•	•	•	•	•	•	•	•	•	•	
Compressor oil FV68S 500 ml.	CZ-HFC-FV68SL05	•	•	•	•	•	•	•	•	•	•	
Compressor oil FV32S 2,0 l.	CZ-HFC-FV32SL20											•
Compressor oil FV32S 500 ml.	CZ-HFC-FV32SL05											•

Notes

Legacy Sanyo replacement technology from Panasonic

GHP - J2 - 2-Pipe	
Sanyo model	Panasonic model
SGP-E70J2GU2	No equivalent
SGP-E90J2GU2	No equivalent
SGP-E120J2GU2	No equivalent
SGP-E150J2GU2	U-16GE3E5
SGP-E190J2GU2	U-20GE3E5

GHP - K1 - 2-Pipe	
Sanyo model	Panasonic model
SGP-E70K1GU2	No equivalent
SGP-E90K1GU2	No equivalent
SGP-E120K1GU2W	No equivalent
SGP-E150K1GU2W	U-16GE3E5
SGP-E190K1GU2W	U-20GE3E5
SGP-E240K1GU2W	U-25GE3E5

GHP - M2 - 2-Pipe	
Sanyo model	Panasonic model
SGP-EW150M2G2W	U-16GE3E5
SGP-EW190M2G2W	U-20GE3E5
SGP-EW240M2G2W	U-25GE3E5

GHP - J2 - 3-Pipe	
Sanyo model	Panasonic model
SGP-EZ190J2GU2	U-20GF3E5

GHP - K1 - 3-Pipe	
Sanyo model	Panasonic model
SGP-EZ190K1GU2	U-20GF3E5

GHP - M2 - 3-Pipe	
Sanyo model	Panasonic model
SGP-EW120M2G2W	No equivalent
SGP-EZ150M2G2	U-16GF3E5
SGP-EZ190M2G2	U-20GF3E5
SGP-EZ240M2G2	U-25GF3E5

GHP - ECO G Power	
Sanyo model	Panasonic model
SGP-EGW190M2G2W	No equivalent

VRF - Mini ECOi	
Sanyo reference	Panasonic equivalent
SPW-CR365GX(H)56(B)	U-4LE2E5
SPW-CR485GX(H)56(B)	U-5LE2E5
SPW-CR605GX(H)56(B)	U-6LE2E5
SPW-CR365GXH8B	U-4LE2E8
SPW-CR485GXH8B	U-5LE2E8
SPW-CR605GXH8B	U-6LE2E8

VRF - 6 Series 2-Pipe	
Sanyo reference	Panasonic equivalent
SPW-C0706DXH8	U-8ME2E8
SPW-C0906DXH8	U-10ME2E8
SPW-C1156DXH8	U-12ME2E8
SPW-C1306DXH8	U-14ME2E8
SPW-C1406DXH8	U-16ME2E8
SPW-C1606DXH8	U-18ME2E8
SPW-C1806DXH8	U-20ME2E8

VRF - 5 Series 2-Pipe	
Sanyo reference	Panasonic equivalent
SPW-C0705DXHN8	U-8ME2E8
SPW-C0905DXHN8	U-10ME2E8
SPW-C1155DXHN8	U-12ME2E8
SPW-C1305DXHN8	U-14ME2E8
SPW-C1405DXHN8	U-16ME2E8

VRF - 5 Series outdoor units - 3-Pipe	
Sanyo reference	Panasonic equivalent
SPW-C0705DZH8	U-8MF3E8
SPW-C0905DZH8	U-10MF3E8
SPW-C1155DZH8	U-12MF3E8
SPW-C1305DZH8	U-14MF3E8
SPW-C1405DZH8	U-16MF3E8

Please be advised that when replacing Sanyo outdoor unit with any U-**MF3E8 outdoor unit. It is necessary to take into consideration that the discharge pipe length is required for additional refrigerant charge.

VRF - indoor units				
Model size	Cassette 90x90	Hide-away	Ceiling	Wall-mounted
	X***XH	U***XH	T***XH	K***XH
	XDR***GXH56	UR***GXH56	TDR***GXH56	KR***GXH56
	XDR***GXH56	UR***GXH56	TDR***GXH56	KR***GXH56
74 / 75 / 76	S-22MU2E5B	S-22MF3E5A	—	S-22MK2E5B
94 / 95 / 96	S-28MU2E5B	S-28MF3E5A	—	S-28MK2E5B
124 / 125 / 126	S-36MU2E5B	S-36MF3E5A	S-36MT2E5A	S-36MK2E5B
164 / 165 / 166	S-45MU2E5B	S-45MF3E5A	S-45MT2E5A	S-45MK2E5B
184 / 185 / 186	S-56MU2E5B	S-56MF3E5A	S-56MT2E5A	S-56MK2E5B
254 / 255 / 256	S-73MU2E5B	S-73MF3E5A	S-73MT2E5A	S-73MK2E5B
364 / 365 / 366	S-106MU2E5B	S-106MF3E5A	S-106MT2E5A	S-106MK2E5B
484 / 485 / 486	S-140MU2E5B	S-140MF3E5A	S-140MT2E5A	—
604 / 605 / 606	S-160MU2E5B	S-160MF3E5A	—	—

In almost all circumstances it is possible to replace old Sanyo units with current Panasonic models however, each Sanyo generation has different criteria to consider when replacing. Below we have outlined how to replace each generation.



VRF - 4 Series outdoor units - 3-Pipe

Sanyo reference	Panasonic equivalent
SPW-CR704GDZH8	U-8MF3E8
SPW-CR904GDZH8	U-10MF3E8
SPW-CR1154GDZH8	U-12MF3E8
SPW-CR1304GDZH8	U-14MF3E8
SPW-CR1404GDZH8	U-16MF3E8
SPW-CR704GDZH8B	U-8MF3E8
SPW-CR904GDZH8B	U-10MF3E8
SPW-CR1154GDZH8B	U-12MF3E8
SPW-CR1304GDZH8B	U-14MF3E8
SPW-CR1404GDZH8B	U-16MF3E8

Please be advised that when replacing Sanyo outdoor unit with any U-**MF3E8 outdoor unit. It is necessary to take into consideration that the discharge pipe length is required for additional refrigerant charge.

VRF - 3 Series 3-Pipe - R407c

Sanyo reference	Panasonic equivalent
SPW-CR703GZH8	U-8MF3E8
SPW-CR903GZH8	U-10MF3E8

This generation runs on R407c refrigerant so it is always best practice to replace all equipment and take advantage of Panasonic's renewal technologies.

However in situations where this is not feasible then it is possible to replace indoors and also outdoor units with conditions. When carrying out these replacements it is particularly important to check the wall thickness and integrity of the pipework is appropriate for re-use and that standard renewal procedures are followed.

NOTE: The new R410A system will run at a lot higher pressure than the existing R407c system therefore it is necessary to change a setting on the outdoor unit which will restrict the running pressure to the lower value associated with R407c refrigerant. As a further fail safe it is recommended to replace the high pressure switch, the part number for this is CZ-PSWK2.

Please be advised that when replacing Sanyo outdoor unit with any U-**MF3E8 outdoor unit. It is necessary to take into consideration that the discharge pipe length is required for additional refrigerant charge.

Local and system controls

Controls	Sanyo reference	Panasonic equivalent
Wired remote controller	RCS-TM80BG	CZ-RTC5B
Schedule timer	SHA-TM64AGB	CZ-ESWC2
System controller	SHA-KC64AGB	CZ-64ESMC2
ON / OFF controller	SHA-KT16KAGB	CZ-ANC2
Intelligent controller	SHA-KT256EG	CZ-256ESMC2
Communication adaptor connector	SHA-KA128AGB	CZ-CFUNC2
Seri-Para I/O unit for outdoor	ACC-XSP4U1GB	CZ-CAPDC2
Interface adaptor	SHA-KL4UGB	CZ-CAPC2
Seri-Para I/O unit for each I/U	ACC-SP1AGB	CZ-CAPBC2
LonWorks® interface	SHA-LN16UGB	CZ-CLNC2
Web interface	SHA-KW64EG	CZ-CWEBC2

All local controls work via the same 2 core cable as current Panasonic controllers meaning they can easily be replaced for new controllers. The appearance of the new Panasonic controls have changed and also not all of the new features will work on existing Sanyo equipment (i.e. energy monitoring on CZ-RTC5B).

The same applies for system controls and other interfaces which operate using 2 core communications (U1,U2) therefore new replacements are compatible just some of the new features may not be available.

Heat Recovery Boxes

Sanyo reference	Panasonic equivalent
ATK-RZP56BGWB	CZ-P56HR3
ATK-RZP56BG	CZ-P56HR3
ATK-ZP80UG	CZ-P56HR3
ATK-RZP160BGWB	CZ-P160HR3
ATK-RZP160BG	CZ-P160HR3
ATK-ZP140UG	CZ-P160HR3
ACC-3WAY-AGB	CZ-CAPE2
ACC-3WAY-AG	CZ-CAPE2
CR-3WAY-TG	CZ-CAPE2

Care must be taken when replacing SVK boxes due to variation of wirings. The Sanyo kit used a cable with additional connectors. Please check wiring and spare parts for differences.

The above is for guidance only, please contact your usual sales representative before proceeding with Sanyo replacement for up to date advice.

Cassette 60x60	Floor	Chassis	Slim hide-away	1 way cassette	2 way cassette
XM***XH	FR***GXH56	FMR***GXH56	US***XH	LDR***GXH56	—
XMR***EXH56	FR***GXH56	FMR***GXH56	FUR***EXH56	LDR***GXH56	—
—	FR***GXH56	FMR***GXH56	—	LDR***GXH56	SR***GXH56
S-22MY3E	S-22MP1E5	S-22MR1E5	S-22MM1E5B	—	S-22ML1E5
S-28MY3E	S-28MP1E5	S-28MR1E5	S-28MM1E5B	S-28MD1E5	S-28ML1E5
S-36MY3E	S-36MP1E5	S-36MR1E5	S-36MM1E5B	S-36MD1E5	S-36ML1E5
S-45MY3E	S-45MP1E5	S-45MR1E5	S-45MM1E5B	S-45MD1E5	S-45ML1E5
S-56MY3E	S-56MP1E5	S-56MR1E5	S-56MM1E5B	S-56MD1E5	S-56ML1E5
—	S-71MP1E5	S-71MR1E5	—	S-73MD1E5	S-73ML1E5
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

Panasonic service

**Our Panasonic Service teams are committed to ensuring your peace of mind.
Best service is our aim.**

Panasonic provides a team of highly trained technicians and engineers to deliver professional and responsive services that meet the highest levels of quality and safety while being efficient and cost effective.

To find out more about Panasonic Heating & Cooling Solutions, please visit **www.aircon.panasonic.eu**.



To meet the requirements of the standard warranty, the product must be maintained and serviced annually by a suitably trained and qualified engineer. This way we can extend the lifetime of the product.



Panasonic offers a wide range of service agreements, like Panasonic Service+ for a maximised product lifetime. Leave the care of your Panasonic products to the experts. In the unlikely event that something goes wrong, trust one of our qualified and Panasonic trained experts to get things back on track.



In accordance with the regulations, Panasonic guarantees its products against hidden defects. Moreover, Panasonic grants to the professional purchaser a commercial warranty, specific to the product families, subject to compliance of all the rules of installation and use of its products.

Panasonic Heating & Cooling Solutions customer service

Panasonic enables different channels for end users or professionals to get in touch with us:



Use our European website **www.aircon.panasonic.eu** for contacting us.
Panasonic has implemented a contact page on the Panasonic Heating & Cooling Solutions website for potential or existing Panasonic customers.



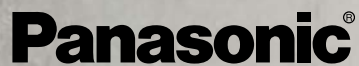
Another option is to contact the highly experienced teams at the Panasonic customer service center, who are more than qualified to support Panasonic clients in 13 different languages across Europe.

Our service center for United Kingdom end customers:

0808 208 2115

Mo-Fr 9-17h

heating & cooling solutions



To find out how Panasonic cares for you, log on to:

www.aircon.panasonic.eu/GB_en

General requests:

Email: uk-aircon@eu.panasonic.com

Sales administration team:

Email: sales.PHVACUK@eu.panasonic.com

Technical service team:

Email: technical.PHVACUK@eu.panasonic.com

UK Office : +44 (0) 1707 378670

Panasonic Heating & Ventilation Air-Conditioning UK Ltd.

Registered Office: Ground Floor, Building 3, Albany Place, Hyde Way,

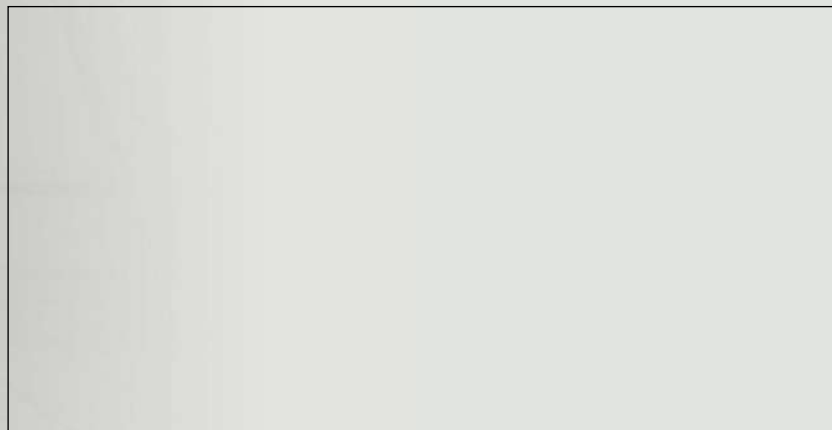
Welwyn Garden City, Hertfordshire AL7 3BT

Company Registration: 02371708



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.



Due to the ongoing innovation of our products, the specifications of this catalogue are valid barring typographic errors, and may be subject to minor modifications by the manufacturer without prior warning in order to improve the product. The total or partial reproduction of this catalogue is prohibited without the express authorisation of Panasonic Marketing Europe GmbH.