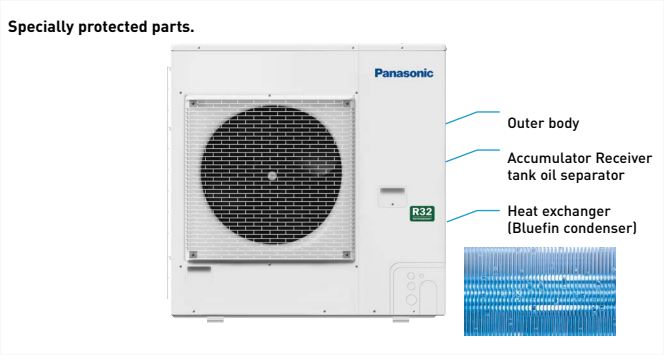
Panasonic

PRICE LIST
2024 / 2025

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.



Hi-durability outdoor units
Panasonic RAC, PAC and VRF outdoor units have been treated for high resistance to corrosion (rust and salty air) to ensure long-lasting performance. No need for expensive and time consuming third part coatings. Tests have been completed under the norm ASTM B117 for 1000 hours.
Note: Selecting this unit does not completely eliminate the possibility of rust developing. For details concerning unit installation and maintenance, please consult an authorised dealer.

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.

Commercial air to air - PACi

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.

PACi NX Series.

This series for absolute ease of refurbishment. Having 3 wired power and communications makes the replacement old systems with 3 wiring connections simple and easy.

Domestic

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

Etherea: a very welcome addition to your home.

The smart, Etherea comes with the nanoe™ X (Generator Mark 3) and built-in Wi-Fi which enables advanced smart control and voice assistant, now with an easier and quicker set-up.

Ventilation

Panasonic ventilation solutions for maximum savings and easy integration.

Air handling unit connection kit for PACi, ECOi and ECO G.

Air handling unit (AHU) connection kit connects outdoor units to air handling systems.
Combines air conditioning and fresh air in just one solution.

Commercial VRF Systems - ECOi and ECO G

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

Mini ECOi LZ2 Series R32.

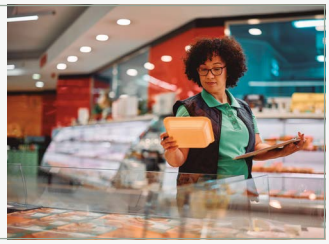
Outstanding efficiency in a compact body and continuous operation even at extreme ambient temperatures.

Refrigeration

Panasonic CO_2 condensing units - CR Series with natural refrigerant.
Natural refrigerant solution for showcases and cold rooms. Reliable quality - made in Japan.

Refrigeration.

CR Series is an ideal solution for supermarkets, convenience stores and gas stations. Let's choose the sustainable green solution by Panasonic.



Chillers and heat pumps, fan coils, water source heat pumps and rooftops

Panasonic solutions suit a variety of commercial and industrial applications. Our systems 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.

CE

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

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: 01218Q30835R8L

Environmental Management System Certificate

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 domestic air conditioning

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.

New Etherea with nanoe™ X technology

· nanoe™ X technology to improve protection 24/7 (Generator Mark 3)
· Sleek and stylish design, in Graphite grey, Silver and Matt white colour
· Improved SEER / SCOP to achieve top class energy efficiency
· Built-in Wi-Fi for instant connectivity, now with an easier and quicker set-up
· Compatible with Google Assistant and Amazon Alexa

Wall-mounted TZ super-compact.

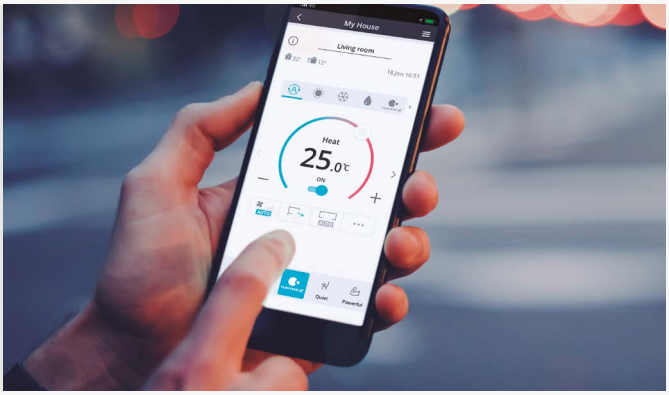
· The perfect air conditioner for the smallest spaces in your home (only 779 mm wide)
· nanoe™ X technology to improve protection 24/7
· Built-in Wi-Fi for instant connectivity, now with an easier and quicker set-up
· Compatible with Google Assistant and Amazon Alexa
· High energy savings

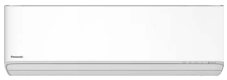
Wall-mounted indoor units, designed for simple installation and maintenance.

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

Welcome to the connected world of Panasonic Comfort Cloud App.

Panasonic Comfort Cloud App put total control of your indoor air quality at your fingertips.
· In control of cooling comfort anytime, anywhere
· Easily manage your comfort and air quality
· More comfort with less wasted energy
· Be informed of breakdowns



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
	Wall-mounted Etherea · R32							
P. 10		CS-XZ20ZKEW-H CU-Z20ZKE	CS-XZ25ZKEW-H CU-Z25ZKE	CS-XZ35ZKEW-H CU-Z35ZKE	CS-XZ42ZKEW-H CU-Z42ZKE			
		CS-XZ20ZKEW CU-Z20ZKE	CS-XZ25ZKEW CU-Z25ZKE	CS-XZ35ZKEW CU-Z35ZKE		CS-XZ50ZKEW CU-Z50ZKE		
		CS-Z20ZKEW CU-Z20ZKE	CS-Z25ZKEW CU-Z25ZKE	CS-Z35ZKEW CU-Z35ZKE	CS-Z42ZKEW CU-Z42ZKE	CS-Z50ZKEW CU-Z50ZKE		CS-Z71ZKEW CU-Z71ZKE
P. 11	**Wall-mounted TZ super-compact · R32**							
		CS-TZ20ZKEW CU-TZ20ZKE	CS-TZ25ZKEW CU-TZ25ZKE	CS-TZ35ZKEW CU-TZ35ZKE	CS-TZ42ZKEW CU-TZ42ZKE	CS-TZ50ZKEW CU-TZ50ZKE	CS-TZ60ZKEW CU-TZ60ZKE	CS-TZ71ZKEW CU-TZ71ZKE
P. 11	**Wall-mounted BZ super-compact · R32**							
			CS-BZ25ZKE CU-BZ25ZKE	CS-BZ35ZKE CU-BZ35ZKE		CS-BZ50ZKE CU-BZ50ZKE	CS-BZ60ZKE CU-BZ60ZKE	
	Floor console · R32							
P. 12			CS-Z25UFEAW CU-Z25UBEA	CS-Z35UFEAW CU-Z35UBEA		CS-Z50UFEAW CU-Z50UBEA		
	Low static pressure hide-away · R32							
P. 13			CS-Z25UD3EAW CU-Z25UBEA	CS-Z35UD3EAW CU-Z35UBEA		CS-Z50UD3EAW CU-Z50UBEA	CS-Z60UD3EAW CU-Z60UBEA	

Page	Free Multi 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
P. 14	**Wall-mounted Etherea**								
			CS-XZ20ZKEW-H	CS-XZ25ZKEW-H	CS-XZ35ZKEW-H	CS-XZ42ZKEW-H			
			CS-XZ20ZKEW	CS-XZ25ZKEW	CS-XZ35ZKEW		CS-XZ50ZKEW		
		CS-MZ16ZKE	CS-Z20ZKEW	CS-Z25ZKEW	CS-Z35ZKEW	CS-Z42ZKEW	CS-Z50ZKEW		CS-Z71ZKEW
P. 15	**Wall-mounted TZ super-compact**								
		CS-MTZ16ZKE	CS-TZ20ZKEW	CS-TZ25ZKEW	CS-TZ35ZKEW	CS-TZ42ZKEW	CS-TZ50ZKEW	CS-TZ60ZKEW	CS-TZ71ZKEW
P. 15	**Floor console**								
			CS-MZ20UFEA	CS-Z25UFEAW	CS-Z35UFEAW		CS-Z50UFEAW		
P. 15	**4 Way 60x60 cassette**								
			S-M20PY3E CZ-KPY4	S-25PY3E CZ-KPY4	S-36PY3E CZ-KPY4		S-50PY3E CZ-KPY4	S-60PY3E CZ-KPY4	
P. 15	**Low static pressure hide-away**								
			CS-MZ20UD3EA	CS-Z25UD3EAW	CS-Z35UD3EAW		CS-Z50UD3EAW	CS-Z60UD3EAW	

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
P. 14	**Outdoor units Free Multi system Z**	 CU-2Z35TBE	 CU-2Z41TBE	 CU-2Z50TBE	 CU-3Z52TBE	 CU-3Z68TBE	 CU-4Z68TBE	 CU-4Z80TBE	 CU-5Z90TBE

Page	Multi wall TZ outdoors	3,2 ~ 6,0 kW	3,2 ~ 7,7 kW	4,5 ~ 9,5 kW
P. 16	**Outdoor units Multi TZ for wall TZ indoors**	 CU-2TZ41TBE	 CU-2TZ50TBE	 CU-3TZ52TBE

Etherea with nanoe™ X technology

ETHEREA

A smart solution to keep your home clean, comfortable and welcoming. The smart, Etherea comes with nanoe™ X technology with the benefits of hydroxyl radicals. With advanced control options, class-leading performance, a stylish design and intelligent features, Etherea is designed to make your home comfortable, clean and the ideal place to be.

Available in 3 colours

nanoe™ X
Built-in new
nanoe X Generator Mark 3

BUILT-IN WI-FI

SEE PRODUCT SPECIFICATIONS

1 Air quality

- nanoe™ X technology with the benefits of hydroxyl radicals (Generator Mark 3)
- Acts to clean your air, so that the indoor environment can be a cleaner and more pleasant place to be all day long

2 Smart control

- Built-in Wi-Fi for instant connectivity, now with an easier and quicker set-up
- Advanced control via smartphone
- Compatible with Google Assistant and Amazon Alexa

3 High efficiency

- Top class energy efficiency up to A+++ in heating and cooling

4 Ultimate comfort

- Aerowings 2.0, end-to-end vanes enhance comfortable air flow
- Super quiet ambient

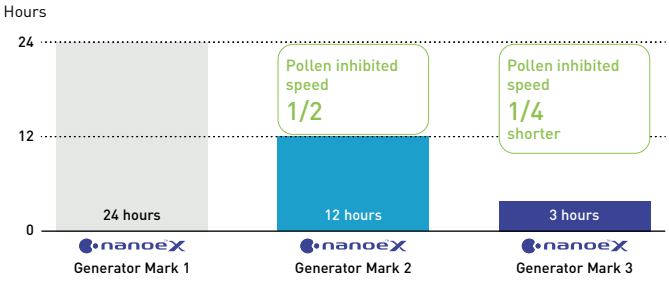
5 Design

- Available in graphite grey, silver and matt white colour
- Stylish, monolithic design
- Chassis and parts designed for easier installation and servicing
- High class, easy-to-use remote control with backlight

nanoe™ X: Bringing nature's balance indoors

The new Etherea comes with nanoe X Generator Mark 3, the latest of the continuously evolving nanoe™ X technology. It has the largest amount of hydroxyl radical in the history of nanoe™ which generates 48 trillion hydroxyl radical per second, 100 times the hydroxyl radical contained in traditional nanoe™. The increased number of hydroxyl radical, which are the key to nanoe™ power, means you can expect an even higher level of performance.

Comparison of time required to inhibit 99% of cedar pollen [3].



Technology for the ultimate comfort

Introducing the Aerowings 2.0 to the Etherea range.

Panasonic's Aerowings technology consists of two independent flexible vanes that concentrate air flow to heat or cool a room in the shortest time possible and helps distribute air evenly throughout a room.

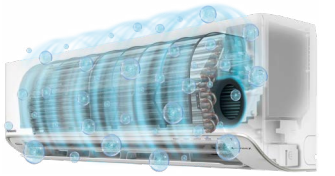
Thanks to the larger sub vane (72 mm), which is more than doubled in size than other conventional designs, the ability to lift air flow has been further improved.

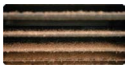
Aerowings 2.0 has a shower cooling feature which allows air flow to be concentrated evenly towards the ceiling to achieve comfortable cooling across a room, showering gently down into a room rather than one area subject to a continuous icy blast.

For heating, Aerowings 2.0 releases a concentrated air flow downwards to achieve an effect similar to floor heating the air, which rises and fills the room.

Inside cleaning

The inside cleaning operation acts to clean the inside of indoor unit. It uses nanoe™ X technology that can inhibit certain adhered bacteria, viruses, and mould on the filter, evaporator and air outlet and filter up to 99%. New cross flow fan is coated to prevent dust adhered on its surfaces and can be effective against certain bacteria and mould.

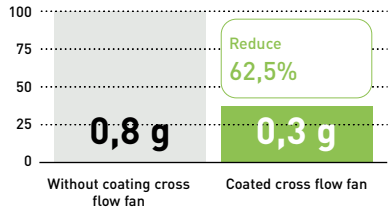




Without coating: Adhered dust.

With anti-static coating: Maintain cleanliness

Proven prevents dust adhered 62,5%* compare with non-coating.



The amount of dust or mould may change depending on the usage frequency and environment.
* Based on Panasonic internal testing result.

Single split

Wall-mounted Etherea · R32

nanoe™ X (Generator Mark 3) and inside cleaning.
Built-in Wi-Fi for connectivity via Panasonic 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
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C	A+++ to D	A+++ to D		H x W x D		H x W x D	
			kW	kW	kW	kW				mm / kg		mm / kg	£
Kit graphite grey													
1ph	2.0 kW	KIT-XZ20-ZKE-H	2.05	2.09/2.07	2.80	2.78/2.38	8.70 A+++	4.80 A++	CS-XZ20ZKEW-H	295 x 870 x 229 / 10	CU-Z20ZKE	542 x 780 x 289 / 27	1,258
1ph	2.5 kW	KIT-XZ25-ZKE-H	2.50	2.58/2.52	3.40	3.20/2.80	9.50 A+++	5.20 A+++	CS-XZ25ZKEW-H	295 x 870 x 229 / 10	CU-Z25ZKE	542 x 780 x 289 / 27	1,380
1ph	3.5 kW	KIT-XZ35-ZKE-H	3.50	3.47/3.28	4.00	3.81/3.20	9.50 A+++	5.20 A+++	CS-XZ35ZKEW-H	295 x 870 x 229 / 11	CU-Z35ZKE	542 x 780 x 289 / 31	1,536
1ph	4.2 kW	KIT-XZ42-ZKE-H	4.20	4.25/4.07	5.30	4.78/4.11	7.10 A++	4.30 A+	CS-XZ42ZKEW-H	295 x 870 x 229 / 10	CU-Z42ZKE	542 x 780 x 289 / 31	1,777
Kit silver													
1ph	2.0 kW	KIT-XZ20-ZKE	2.05	2.09/2.07	2.80	2.78/2.38	8.70 A+++	4.80 A++	CS-XZ20ZKEW	295 x 870 x 229 / 10	CU-Z20ZKE	542 x 780 x 289 / 27	1,218
1ph	2.5 kW	KIT-XZ25-ZKE	2.50	2.58/2.52	3.40	3.20/2.80	9.50 A+++	5.20 A+++	CS-XZ25ZKEW	295 x 870 x 229 / 10	CU-Z25ZKE	542 x 780 x 289 / 27	1,332
1ph	3.5 kW	KIT-XZ35-ZKE	3.50	3.47/3.28	4.00	3.81/3.20	9.50 A+++	5.20 A+++	CS-XZ35ZKEW	295 x 870 x 229 / 11	CU-Z35ZKE	542 x 780 x 289 / 31	1,482
1ph	5.0 kW	KIT-XZ50-ZKE	5.00	4.70/4.07	5.80	5.57/4.80	8.50 A+++	4.80 A++	CS-XZ50ZKEW	295 x 1040 x 244 / 12	CU-Z50ZKE	695 x 875 x 320 / 40	2,128
Kit matt white													
1ph	2.0 kW	KIT-Z20-ZKE	2.05	2.09/2.07	2.80	2.78/2.38	8.70 A+++	4.80 A++	CS-Z20ZKEW	295 x 870 x 229 / 10	CU-Z20ZKE	542 x 780 x 289 / 27	1,188
1ph	2.5 kW	KIT-Z25-ZKE	2.50	2.58/2.52	3.40	3.20/2.80	9.50 A+++	5.20 A+++	CS-Z25ZKEW	295 x 870 x 229 / 10	CU-Z25ZKE	542 x 780 x 289 / 27	1,298
1ph	3.5 kW	KIT-Z35-ZKE	3.50	3.47/3.28	4.00	3.81/3.20	9.50 A+++	5.20 A+++	CS-Z35ZKEW	295 x 870 x 229 / 11	CU-Z35ZKE	542 x 780 x 289 / 31	1,431
1ph	4.2 kW	KIT-Z42-ZKE	4.20	4.25/4.07	5.30	4.78/4.11	7.10 A++	4.30 A+	CS-Z42ZKEW	295 x 870 x 229 / 10	CU-Z42ZKE	542 x 780 x 289 / 31	1,684
1ph	5.0 kW	KIT-Z50-ZKE	5.00	4.70/4.07	5.80	5.57/4.80	8.50 A+++	4.80 A++	CS-Z50ZKEW	295 x 1040 x 244 / 12	CU-Z50ZKE	695 x 875 x 320 / 40	1,951
1ph	7.1 kW	KIT-Z71-ZKE	7.10	6.68/5.52	8.20	7.15/6.31	6.50 A++	4.20 A+	CS-Z71ZKEW	295 x 1040 x 244 / 13	CU-Z71ZKE	695 x 875 x 320 / 45	2,737

Piping information

Kit	kW	2,0	2,5	3,5	4,2	5,0	7,1
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ½	¼ - ½	¼ - ⅝
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

1) Add 70 mm for piping port.

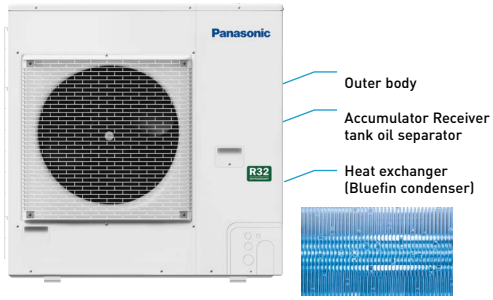
Electrical information (power supply to indoor)

		Single phase					
Kit	kW	2,0	2,5	3,5	4,2	5,0	7,1
Recommended fuse	A	16	16	16	16	16	20
Connection in. / out.	mm²	4x1,5	4x1,5	4x1,5	4x1,5	4x2,5	4x2,5

Hi-durability outdoor units

Panasonic RAC, PAC and VRF outdoor units have been treated for high resistance to corrosion (rust and salty air) to ensure long-lasting performance. No need for expensive and time consuming third part coatings. Tests have been completed under the norm ASTM B117 for 1000 hours.

Specially protected parts.



Note: Selecting this unit does not completely eliminate the possibility of rust developing. For details concerning unit installation and maintenance, please consult an authorised dealer.

Single split

Wall-mounted TZ super-compact · R32

nanoe™ X technology to improve protection 24/7.
Built-in Wi-Fi for connectivity via Panasonic Comfort Cloud App.
Operation range down to -15 °C in heating.

Kit (remote controller included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER	SCOP		Dimension / Weight		Dimension [1] / Weight	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C	A+++ to D	A+++ to D		H x W x D		H x W x D	
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	2.0 kW	KIT-TZ20-ZKE	2.00	1.87/1.85	2.70	2.50/2.14	7.00 A++	4.60 A++	CS-TZ20ZKEW	290 x 779 x 209 / 8	CU-TZ20ZKE	542 x 780 x 289 / 24	903
	2.5 kW	KIT-TZ25-ZKE	2.50	2.34/2.30	3.30	2.91/2.70	7.10 A++	4.60 A++	CS-TZ25ZKEW	290 x 779 x 209 / 8	CU-TZ25ZKE	542 x 780 x 289 / 25	1,040
	3.5 kW	KIT-TZ35-ZKE	3.50	3.37/2.95	4.00	3.61/3.30	6.80 A++	4.60 A++	CS-TZ35ZKEW	290 x 779 x 209 / 8	CU-TZ35ZKE	542 x 780 x 289 / 29	1,203
	4.2 kW	KIT-TZ42-ZKE	4.20	3.94/3.17	5.00	4.70/3.90	6.40 A++	4.10 A+	CS-TZ42ZKEW	290 x 779 x 209 / 8	CU-TZ42ZKE	542 x 780 x 289 / 31	1,435
	5.0 kW	KIT-TZ50-ZKE	5.00	4.69/4.31	5.80	5.25/4.62	6.90 A++	4.50 A+	CS-TZ50ZKEW	290 x 779 x 209 / 8	CU-TZ50ZKE	619 x 824 x 299 / 35	1,531
	6.0 kW	KIT-TZ60-ZKE	6.00	5.70/4.65	7.00	5.70/4.90	6.80 A++	4.30 A+	CS-TZ60ZKEW	295 x 1040 x 244 / 12	CU-TZ60ZKE	619 x 824 x 299 / 35	1,893
	7.1 kW	KIT-TZ71-ZKE	7.10	6.68/5.25	8.20	7.15/6.31	6.20 A++	4.10 A+	CS-TZ71ZKEW	295 x 1040 x 244 / 13	CU-TZ71ZKE	695 x 875 x 320 / 45	2,184

Piping information								
Kit	kW	2,0	2,5	3,5	4,2	5,0	6,0	7,1
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ½	¼ - ½	¼ - ½	¼ - ⅝
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

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.	mm²	4x 1,5	4x 1,5	4x 1,5	4x 1,5	4x 2,5	4x 2,5	4x 2,5

1) Add 70 mm for piping port.

Wall-mounted BZ super-compact · R32

Cleaner air with PM2,5 filter.
Optional Wi-Fi control via Panasonic Comfort Cloud App (CZ-TACG1 required).
Operation range down to -15 °C in heating.

Kit (remote controller included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER	SCOP		Dimension / Weight		Dimension [1] / Weight	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C	A+++ to D	A+++ to D		H x W x D		H x W x D	
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	2.5 kW	KIT-BZ25-ZKE	2.50	2.29/2.26	3.15	2.50/2.14	6.30 A++	4.20 A+	CS-BZ25ZKE	290 x 779 x 209 / 8	CU-BZ25ZKE	542 x 780 x 289 / 24	751
	3.5 kW	KIT-BZ35-ZKE	3.30	3.08/2.83	3.70	3.05/2.60	6.30 A++	4.20 A+	CS-BZ35ZKE	290 x 779 x 209 / 8	CU-BZ35ZKE	542 x 780 x 289 / 25	851
	5.0 kW	KIT-BZ50-ZKE	5.00	4.59/3.64	5.40	5.25/4.62	6.50 A++	4.20 A+	CS-BZ50ZKE	290 x 779 x 209 / 8	CU-BZ50ZKE	619 x 824 x 299 / 35	1,220
	6.0 kW	KIT-BZ60-ZKE	6.00	5.25/4.36	6.80	5.64/5.10	6.40 A++	4.10 A+	CS-BZ60ZKE	290 x 779 x 209 / 9	CU-BZ60ZKE	695 x 875 x 320 / 40	1,539

Piping information					
Kit	kW	2,5	3,5	5,0	6,0
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ½	¼ - ½
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

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.	mm²	4x1,5	4x1,5	4x2,5	4x2,5

1) Add 70 mm for piping port.

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.

Single split

Floor console · R32

nanoe™ X technology to improve protection 24/7.
Optional Wi-Fi control via Panasonic Comfort Cloud App (CZ-TACG1 required).
Operation range down to -15 °C in heating.

Kit (remote controller included)			Nominal capacity				SEER	SCOP	Indoor unit		Outdoor unit		RRP
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C	A+++ to D	A+++ to D		Dimension / Weight H x W x D		Dimension [1] / Weight H x W x D	
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	2.5 kW	KIT-Z25-UFE	2.50	2.36/2.19	3.40	3.45/2.88	7.90 A++	4.60 A++	CS-Z25UFEAW	600 x 750 x 207 / 13	CU-Z25UBEA	542 x 780 x 289 / 33	1,712
1ph	3.5 kW	KIT-Z35-UFE	3.50	3.30/2.83	4.30	4.13/3.37	8.10 A++	4.60 A++	CS-Z35UFEAW	600 x 750 x 207 / 13	CU-Z35UBEA	619 x 824 x 299 / 35	1,847
1ph	5.0 kW	KIT-Z50-UFE	5.00	4.72/3.47	5.80	5.68/5.03	6.70 A++	4.30 A+	CS-Z50UFEAW	600 x 750 x 207 / 13	CU-Z50UBEA	695 x 875 x 320 / 43	2,238

Piping information				
Kit	kW	2,5	3,5	5,0
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	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

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

1) Add 70 mm for piping port.

Floor console. Efficient comfort and clean air all year round

Floor console with nanoe™ X technology: outstanding efficiency A++, comfort (Super Quiet technology only 20 dB(A)) and better air quality combined in a breakthrough design.

Single split

Low static pressure hide-away · R32

Eco mode for 20% energy saving.
Optional Wi-Fi control via Panasonic Comfort Cloud App (CZ-TACG1 required). 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
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C	A+++ to D	A+++ to D		H x W x D		H x W x D	
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	2.5 kW	KIT-Z25-UD3	2.50	2.30/2.28	3.20	3.16/2.60	5.90 A+	4.20 A+	CS-Z25UD3EAW	200 x 750 x 640 / 19	CU-Z25UBEA	542 x 780 x 289 / 33	1,619
	3.5 kW	KIT-Z35-UD3	3.50	3.08/2.76	4.20	3.54/3.00	5.80 A+	4.10 A+	CS-Z35UD3EAW	200 x 750 x 640 / 19	CU-Z35UBEA	619 x 824 x 299 / 35	1,714
	5.0 kW	KIT-Z50-UD3	5.10	3.63/2.90	6.10	5.06/4.50	5.90 A+	4.10 A+	CS-Z50UD3EAW	200 x 750 x 640 / 19	CU-Z50UBEA	695 x 875 x 320 / 43	2,209
	6.0 kW	KIT-Z60-UD3	6.00	4.25/3.42	7.00	5.64/5.10	5.60 A+	4.10 A+	CS-Z60UD3EAW	200 x 750 x 640 / 19	CU-Z60UBEA	695 x 875 x 320 / 43	2,436

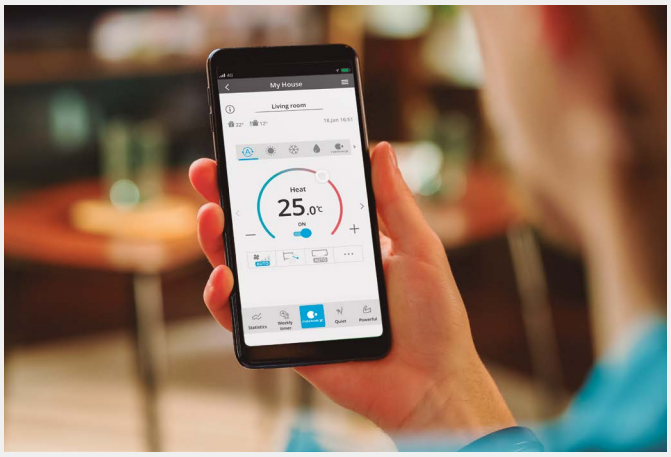
Piping information					
Kit	kW	2,5	3,5	5,0	6,0
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ½	¼ - ½
Pipe length range	m	3 ~ 20	3 ~ 20	3 ~ 30	3 ~ 30
Elevation difference (in / out)	m	15	15	20	20
Pre-charged pipe length	m	7,5	7,5	7,5	7,5
Additional gas amount	g/m	10	10	15	15

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

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

Welcome to the connected world of Panasonic Comfort Cloud App.

Whether you are at home or at work, the Panasonic Comfort Cloud App puts total control of your indoor air quality at your fingertips.



- Remote control. Control and monitor your air conditioners anytime, anywhere
- Monitor energy consumption. Check the energy consumption of each individual unit across different time intervals by comparing the energy usage patterns to maximise energy savings
- nanoe™ X: improving protection 24/7*. Switch on nanoe™ X mode with cooling OFF / ON and see the nanoe™ X coverage in your space through a simulation

* Only for units compatible with nanoe™ X function.

Voice Control. Words do more than actions.

Boundless control and hands-free help to access all 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.

works with Google Home

works with alexa

- 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.

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.

Outdoor units Free Multi system Z

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.

Outdoor unit			Nominal capacity		SEER	SCOP	Dimension [1]	Weight	RRP
			Cooling	Heating	A+++ to D	A+++ to D	H x W x D		
			kW	kW			mm	kg	£
1ph	3,2 ~ 6,0 kW	CU-2Z35TBE	3,50	4,20	8,50 A+++	4,60 A++	619 x 824 x 299	39	1,265
	3,2 ~ 6,0 kW	CU-2Z41TBE	4,10	4,60	8,50 A+++	4,60 A++	619 x 824 x 299	39	1,437
	3,2 ~ 7,7 kW	CU-2Z50TBE	5,00	5,60	8,50 A+++	4,60 A++	619 x 824 x 299	39	1,630
	4,5 ~ 9,5 kW	CU-3Z52TBE	5,20	6,80	8,50 A+++	4,20 A+	795 x 875 x 320	71	1,965
	4,5 ~ 11,2 kW	CU-3Z68TBE	6,80	8,50	8,00 A++	4,20 A+	795 x 875 x 320	71	2,321
	4,5 ~ 11,5 kW	CU-4Z68TBE	6,80	8,50	8,00 A++	4,20 A+	795 x 875 x 320	72	2,598
	4,5 ~ 14,7 kW	CU-4Z80TBE	8,00	9,40	7,90 A++	4,70 A++	999 x 940 x 340	80	3,263
	4,5 ~ 18,3 kW	CU-5Z90TBE	9,00	10,40	8,50 A+++	4,68 A++	999 x 940 x 340	81	3,759

Piping information									
Outdoor unit	kW	2Z35	2Z41	2Z50	3Z52	3Z68	4Z68	4Z80	5Z90
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ⅜	¼ - ⅜
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

Electrical information (power supply to outdoor)									
		Single phase							
Outdoor unit	kW	2Z35	2Z41	2Z50	3Z52	3Z68	4Z68	4Z80	5Z90
Recommended fuse	A	16	16	16	16	16	20	20	25
Recommended power cable section	mm²	2,5	2,5	2,5	2,5	2,5	2,5	2,5	4,0
Connection in. / out.	mm²	4x 1,5	4x 1,5	4x 1,5	4x 1,5	4x 1,5	4x 1,5	4x 1,5	4x 1,5

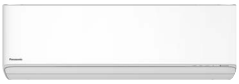
1) Add 70 mm for piping port. 2) Minimum piping length is 3 meters per indoor unit.

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-2Z35TBE	3,2 ~ 6,0 kW	•	•	•	•				•	•	•	•					•	•	•		•	•	•			•	•	•		
	CU-2Z41TBE	3,2 ~ 6,0 kW	•	•	•	•				•	•	•	•					•	•	•		•	•	•			•	•	•		
	CU-2Z50TBE	3,2 ~ 7,7 kW	•	•	•	•	•	•		•	•	•	•	•	•			•	•	•	•	•	•	•	•		•	•	•	•	
3	CU-3Z52TBE	4,5 ~ 9,5 kW	•	•	•	•	•	•		•	•	•	•	•	•							•	•	•	•		•	•	•	•	
	CU-3Z68TBE	4,5 ~ 11,2 kW	•	•	•	•	•	•		•	•	•	•	•	•	•						•	•	•	•	•	•	•	•	•	•
4	CU-4Z68TBE	4,5 ~ 11,5 kW	•	•	•	•	•	•		•	•	•	•	•	•	•						•	•	•	•	•	•	•	•	•	•
	CU-4Z80TBE	4,5 ~ 14,7 kW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•	•	•	•
5	CU-5Z90TBE	4,5 ~ 18,3 kW	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•	•	•	•

Compatible indoor units for multi combinations

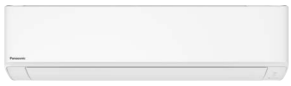




Optional wired remote controller.
CZ-RD517C

Wall-mounted Etherea	Indoor unit graphite grey	Indoor unit silver	Indoor unit matt white	Nominal capacity		Connection in. / out.	Dimension / Net weight	Piping diameter	RRP		
				Cooling	Heating		H x W x D	Liquid / Gas	Grey	Silver	White
				kW	kW	mm²	mm / kg	Inch (mm)	£	£	£
1,6 kW	—	—	CS-MZ16ZKE	1,60	2,60	4x1,5	295 x 870 x 229 / 10	¼ (6,35) / ⅜ (9,52)	—	—	345
2,0 kW	CS-XZ20ZKEW-H	CS-XZ20ZKEW	CS-Z20ZKEW	2,00	3,20	4x1,5	295 x 870 x 229 / 10	¼ (6,35) / ⅜ (9,52)	435	395	365
2,5 kW	CS-XZ25ZKEW-H	CS-XZ25ZKEW	CS-Z25ZKEW	2,50	3,60	4x1,5	295 x 870 x 229 / 10	¼ (6,35) / ⅜ (9,52)	527	479	445
3,5 kW [1]	CS-XZ35ZKEW-H	CS-XZ35ZKEW	CS-Z35ZKEW	3,50	4,50	4x1,5	295 x 870 x 229 / 11	¼ (6,35) / ⅜ (9,52)	599	545	494
4,2 kW [2]	CS-XZ42ZKEW-H	—	CS-Z42ZKEW	4,20	5,60	4x1,5	295 x 870 x 229 / 10	¼ (6,35) / ½ (12,70)	622	—	529
5,0 kW [3]	—	CS-XZ50ZKEW	CS-Z50ZKEW	5,00	6,80	4x2,5	295 x 1040 x 244 / 12	¼ (6,35) / ½ (12,70)	—	884	707
7,1 kW	—	—	CS-Z71ZKEW	7,10	8,70	4x2,5	295 x 1040 x 244 / 13	¼ (6,35) / ⅝ (15,88)	—	—	1,081

Compatible indoor units for multi combinations

Optional wired remote controller.
CZ-RD517C

Wall-mounted TZ super-compact	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Net weight	Piping diameter	RRP
		Cooling	Heating		H x W x D	Liquid / Gas	
		kW	kW	mm²	mm / kg	Inch (mm)	£
1,6 kW	**CS-MTZ16ZKE**	1,60	2,60	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	**333**
2,0 kW	**CS-TZ20ZKEW**	2,00	3,20	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	**370**
2,5 kW	**CS-TZ25ZKEW**	2,50	3,60	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	**412**
3,5 kW [1]	**CS-TZ35ZKEW**	3,50	4,50	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	**456**
4,2 kW	**CS-TZ42ZKEW**	4,20	5,60	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ½ (12,70)	**521**
5,0 kW	**CS-TZ50ZKEW**	5,00	6,80	4x2,5	290 x 779 x 209 / 8	¼ (6,35) / ½ (12,70)	**569**
6,0 kW	**CS-TZ60ZKEW**	6,00	8,50	4x2,5	295 x 1040 x 244 / 12	¼ (6,35) / ½ (12,70)	**813**
7,1 kW	**CS-TZ71ZKEW**	7,10	8,70	4x2,5	295 x 1040 x 244 / 13	¼ (6,35) / ⅝ (15,88)	**961**



Optional wired remote controller.
CZ-RD517C

Floor console [4]	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Net weight	Piping diameter	RRP
		Cooling	Heating		H x W x D	Liquid / Gas	
		kW	kW	mm²	mm / kg	Inch (mm)	£
2,0 kW	**CS-MZ20UFEA**	2,00	3,20	4x1,5	600 x 750 x 207 / 13	¼ (6,35) / ⅜ (9,52)	**744**
2,5 kW	**CS-Z25UFEAW**	2,50	3,60	4x1,5	600 x 750 x 207 / 13	¼ (6,35) / ⅜ (9,52)	**926**
3,5 kW [1]	**CS-Z35UFEAW**	3,50	4,50	4x1,5	600 x 750 x 207 / 13	¼ (6,35) / ⅜ (9,52)	**1,005**
5,0 kW	**CS-Z50UFEAW**	5,00	5,30	4x1,5	600 x 750 x 207 / 13	¼ (6,35) / ½ (12,70)	**1,188**

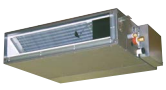

Optional wired remote controller.
CZ-RTC6W

Optional wired remote controller.
CZ-RTC6

Panel (sold separately).
CZ-KPY4

4 Way 60x60 cassette*	Indoor unit (Panel CZ-KPY4)	Nominal capacity		Connection in. / out.	Dimension / Net weight		Piping diameter	RRP	
		Cooling	Heating		Indoor H x W x D	Panel H x W x D	Liquid / Gas	Indoor	Panel
		kW	kW	mm²	mm / kg	mm / kg	Inch (mm)	£	£
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) / ½ (12,70)	**625**	**255**
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) / ½ (12,70)	**702**	**255**
3,5 kW [1]	**S-36PY3E**	3,50	3,60	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	¼ (6,35) / ½ (12,70)	**744**	**255**
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) / ½ (12,70)	**844**	**255**
6,0 kW	**S-60PY3E**	6,00	8,50	4x1,5	243 x 575 x 575 / 15	30 x 625 x 625 / 2,8	⅜ (9,52) / ⅝ (15,88)	**1,031**	**255**

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



Optional wireless control kit.
CZ-RL511D

Low static pressure hide-away	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Net weight	Piping diameter	RRP
		Cooling	Heating		H x W x D	Liquid / Gas	
		kW	kW	mm²	mm / kg	Inch (mm)	£
2,0 kW	**CS-MZ20UD3EA**	2,00	3,20	4x1,5	200 x 750 x 640 / 19	¼ (6,35) / ⅜ (9,52)	**691**
2,5 kW	**CS-Z25UD3EAW**	2,50	3,60	4x1,5	200 x 750 x 640 / 19	¼ (6,35) / ⅜ (9,52)	**833**
3,5 kW [1]	**CS-Z35UD3EAW**	3,50	4,50	4x1,5	200 x 750 x 640 / 19	¼ (6,35) / ⅜ (9,52)	**872**
5,0 kW [3]	**CS-Z50UD3EAW**	5,00	6,80	4x1,5	200 x 750 x 640 / 19	¼ (6,35) / ½ (12,70)	**1,159**
6,0 kW	**CS-Z60UD3EAW**	6,00	8,50	4x1,5	200 x 750 x 640 / 19	¼ (6,35) / ½ (12,70)	**1,209**

1) Heating capacity in combination with Free Multi outdoor units except with CU-2Z35TBE. In this case, the heating capacity is 4,20 kW. 3) Heating capacity in combination with Free Multi outdoor units except with CU-2Z50TBE. In this case, the heating capacity is 5,00 kW. 3) Heating capacity in combination with Free Multi outdoor units except with CU-2Z35TBE. In this case, the heating capacity is 5,30 kW. 4) Compatible only with 2 ports R32 outdoor CU-2Z35TBE / CU-2Z41TBE / CU-2Z50TBE. 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.

Multi wall TZ

Outdoor units Multi 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]	Weight	RRP
			Cooling	Heating	A+++ to D	A+++ to D	H x W x D		
			kW	kW			mm	kg	£
1ph	3,2 ~ 6,0 kW	CU-2TZ41TBE	4,10	4,40	7,10 A++	4,30 A+	542 x 780 x 289	35	1,266
1ph	3,2 ~ 7,7 kW	CU-2TZ50TBE	5,00	5,70	7,00 A++	4,20 A+	542 x 780 x 289	35	1,439
1ph	4,5 ~ 9,5 kW	CU-3TZ52TBE	5,20	6,80	7,60 A++	4,20 A+	795 x 875 x 320	71	1,734

Piping information				
Outdoor unit	kW	3,2 ~ 6,0	3,2 ~ 7,7	4,5 ~ 9,5
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ⅜
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	✔	✔	✔	✔		
2	CU-2TZ50TBE	3,2 ~ 7,7 kW	✔	✔	✔	✔	✔	✔
3	CU-3TZ52TBE	4,5 ~ 9,5 kW	✔	✔	✔	✔	✔	✔

Minimum quantity of connection: 2 indoor units.



Optional wired remote controller.
CZ-RD517C

Wall-mounted TZ super-compact	Indoor unit	Nominal capacity		Connection in. / out.	Dimension / Net weight	Piping diameter	RRP
		Cooling	Heating		H x W x D	Liquid / Gas	
		kW	kW	mm²	mm / kg	Inch (mm)	£
1,6 kW	CS-MTZ16ZKE	1,60	2,60	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	333
2,0 kW	CS-TZ20ZKEW	2,00	3,20	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	370
2,5 kW	CS-TZ25ZKEW	2,50	3,60	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	412
3,5 kW	CS-TZ35ZKEW	3,50	4,50	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ⅜ (9,52)	456
4,2 kW	CS-TZ42ZKEW	4,20	5,60	4x1,5	290 x 779 x 209 / 8	¼ (6,35) / ½ (12,70)	521
5,0 kW	CS-TZ50ZKEW	5,00	6,80	4x2,5	290 x 779 x 209 / 8	¼ (6,35) / ½ (12,70)	569

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.

Connectivity			RRP £
	Wi-Fi adapter for smart control via Panasonic Comfort Cloud App.	CZ-TACG1	130
	RAC interface adapter for integration into S-Link, plus external input and alarm/status output.	CZ-CAPRA1	186
	KNX interface. Can be used with all models which have a CN-CNT connector (Intesis).	PAW-AC-KNX-1i	404
	Modbus interface. Can be used with all models which have a CN-CNT connector (Intesis).	PAW-AC-MBS-1	404
	BACnet interface. Can be used with all models which have a CN-CNT connector (Intesis).	PAW-AC-BAC-1	604
	KNX interface. Can be used with all models which have a CN-CNT connector (Airzone).	PAW-AZAC-KNX-1	344
	Modbus interface. Can be used with all models which have a CN-CNT connector (Airzone).	PAW-AZAC-MBS-1	344
	BACnet interface. Can be used with all models which have a CN-CNT connector (Airzone).	PAW-AZAC-BAC-1	569
	This interface can be used with all models which have a CN-RMT connector.	PAW-AC-DIO	203

Individual controls			RRP £
	Wired remote controller for wall-mounted and floor console.	CZ-RD517C	165
	Infrared Sky Remote controller for hideaway with 2 m infrared receiver cable.	CZ-RL511D	121
	CONEX wired remote controller (non-wireless) for 4 way 60x60 cassette - PY3, white.	CZ-RTC6W	165
	CONEX wired remote controller (non-wireless) for 4 way 60x60 cassette - PY3, black.	CZ-RTC6	165

Panel			RRP £
	Panel for 4 way 60x60 cassette - PY3.	CZ-KPY4	245

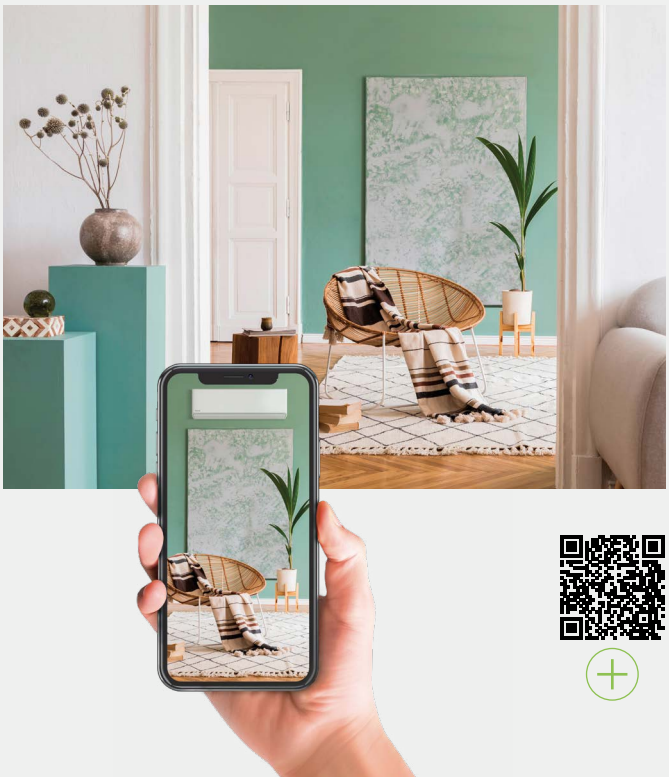
Domestic AirCon Quick Selector.

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.



Panasonic Commercial air to air

Panasonic has developed an impressive range of highly efficient Commercial Air Conditioners. This range confirms our commitment to the environment, with our highly efficient Inverter compressor technology to optimise performance.

PACi

New 2024

New Big PACi NX 20,0-25,0 kW with split-able hide-away indoor unit.

·The NX Series has been expanded to include the range of 20,0-25,0 kW.
· The outdoor unit features a compact single fan, yet with powerful performance
· The piping length extends up to 100 m
· The indoor split-able duct comes equipped with the upgraded nanoe™ X Mark 3

New BION air pollutant filter.

IAQ solution filtering certain types of pollutants, such as nitrogen dioxide (NO_2), nitrogen oxides (NO_x) and ozone (O_3). Designed for the adaptive ducted unit - PF3.

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

· 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

1) For models 100 ~ 250.

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 (in 90x90 cassette)
· Low-height single fan outdoor unit design
· Operation range, up to 43 °C in cooling and down to -15 °C in heating

PACi with 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 from 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 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 airflow distribution
· High seasonal performance

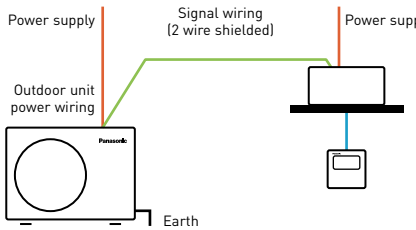
PACi NX Series. The next generation is here

NX Series with R32 refrigerant has been developed to meet the demand of easy refurbishment with 3 wire method.
Integrated with IoT solutions and includes nanoe™ X function as standard.

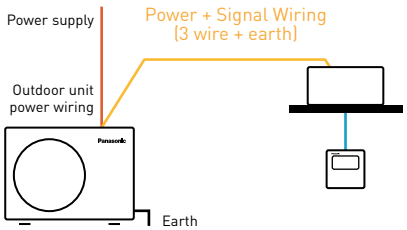
1 PACi NX Series for absolute ease of refurbishment

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

PACi PZ2/PZH2: 2 wire method.



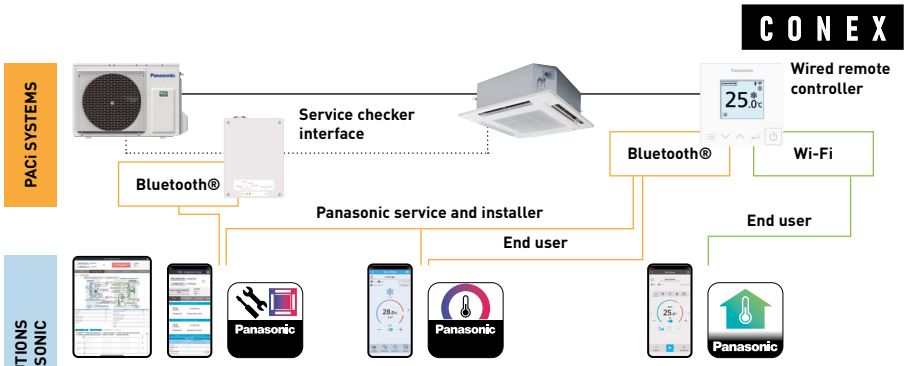
PACi NX Series: 3 wire method.



2 CONEX with IoT integration

The wired remote controller series is fully integrated with IoT solutions developed by Panasonic.
Detailed operation, maintenance setting and service operation are all possible with smartphone or tablet.

https://youtu.be/_USzG_9f6bk



Panasonic H&C Diagnosis App [1].
Service checker function (detailed operation data etc...).

Panasonic H&C Control App [2].
Detailed operation setting.
Detailed maintenance setting.

Panasonic Comfort Cloud App [3].
Detailed operation setting.
Remote operation via Wi-Fi.

1) A service checker interface is required when this app is used from outdoor location. Wired remote controller (CZ-RTC6WBL, CZ-RTC6BL, CZ-RTC6WBLW or CZ-RTC6BLW) is required when this app is used from indoor location. Compatible with PZ3 and PZH3 outdoor units. 2) CZ-RTC6WBL, CZ-RTC6BL, CZ-RTC6WBLW or CZ-RTC6BLW required. 3) CZ-RTC6WBLW or CZ-RTC6BLW required.

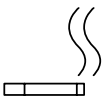
3 Let Panasonic take care of indoor air quality

nanoe™ X

Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances. This unique technology is equipped to provide better air quality whether residential or commercial.

7 effects of nanoe™ X – Panasonic unique technology.

Deodorises



Odours

Capacity to inhibit 5 types of pollutants

Bacteria and viruses | Mould | Allergens | Pollen | Hazardous substances

Moisturises

Skin and hair

The nanoe™ X performance varies depending on the room size, environment and usage and it may take several hours to reach the full effect. nanoe™ X is not medical device, local regulations on building design and sanitary recommendations must be followed.

4 Increasing the efficiency

The PACi NX Series have improved seasonal efficiencies in both heating and cooling versus the previous generation.

Energy class [1] and seasonal efficiency value ($\eta_{s,c}$ / $\eta_{s,h}$) [2]




	Wall-mounted - PK3				4 way cassette - PY3				4 way cassette - PU3				Ceiling - PT3				Adaptive ducted - PF3			
	Elite		Standard		Elite		Standard		Elite		Standard		Elite		Standard		Elite		Standard	
kW	❄	☼	❄	☼	❄	☼	❄	☼	❄	☼	❄	☼	❄	☼	❄	☼	❄	☼	❄	☼
2,5							A++	A++												
3,6	A++	A++	A++	A+	A++	A++	A++	A+	A+++	A+++	A++	A++	A++	A++	A++	A+	A++	A+	A+	A+
5,0	A++	A++	A++	A+	A++	A++	A++	A+	A++	A++	A++	A++	A++	A++	A++	A+	A++	A+	A++	A+
6,0	A++	A++	A++	A++	A++	A+	A++	A+	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
7,1	A++	A++	A+	A+					A++	A++	A++	A++	A++	A++	A+	A+	A++	A++	A++	A+
10,0	A++	A+	A++	A					A++	A++	A++	A+	A++	A++	A++	A+	A++	A+	A++	A
12,5									304,3%	186,0%	267,0%	157,0%	278,4%	181,0%	241,7%	147,4%	281,7%	170,0%	257,4%	142,6%
14,0									286,6%	181,2%	257,0%	152,2%	263,3%	178,0%	228,8%	145,3%	275,9%	171,0%	252,2%	140,6%

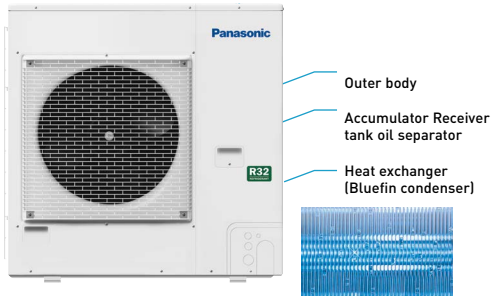
1) Energy label scale from A+++ to D for models below 12,0 kW (EU regulation 626/2011). 2) $\eta_{s,c}$ / $\eta_{s,h}$ values for models above 12,0 kW (EN 14825).

New PACi NX Elite Series 4

Hi-durability outdoor units

Panasonic RAC, PAC and VRF outdoor units have been treated for high resistance to corrosion (rust and salty air) to ensure long-lasting performance. No need for expensive and time consuming third part coatings. Tests have been completed under the norm ASTM B117 for 1000 hours.

Specially protected parts.

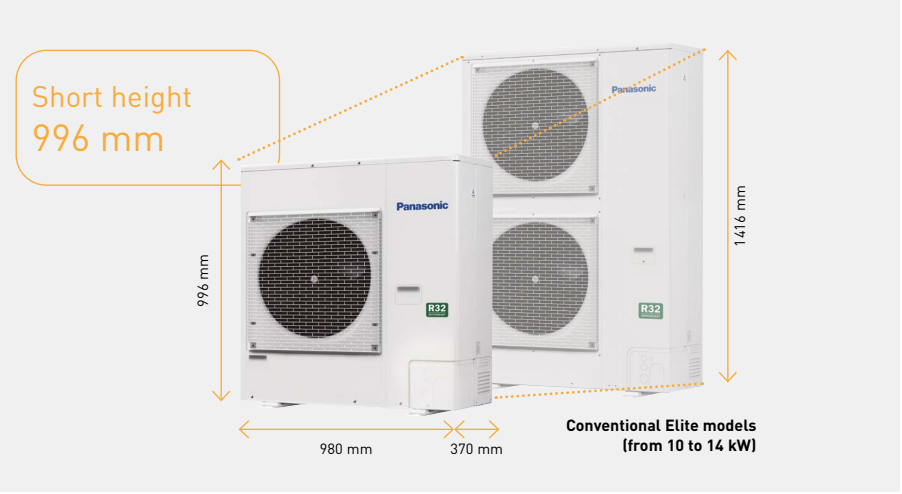


Note: Selecting this unit does not completely eliminate the possibility of rust developing. For details concerning unit installation and maintenance, please consult an authorised dealer.

The compact chassis newly designed with one fan up to 14,0 kW, will fit in limited installation space

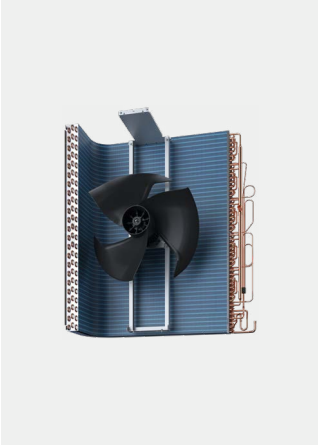
The slim and lightweight outdoor units can be installed in a number of compact situations.
With the unit weighting only 66 kg*, it is easy to carry and easy to install.

* For model 7,1 kW.



Highly efficient performance in a compact body

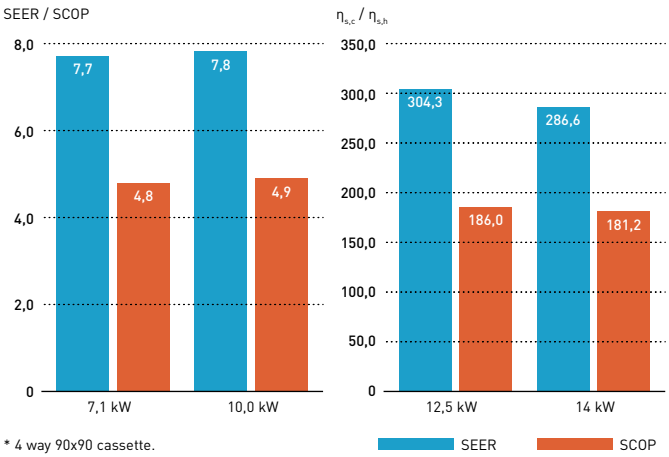
One fan outdoor units keep the excellent seasonal performance optimising three layers heat exchanger.
As a result, PZH4 series provide the equivalent high seasonal performance to conventional 2 fan models.



New Elite PZH4 Series.

Conventional model with two fans.

PZH series seasonal performance.

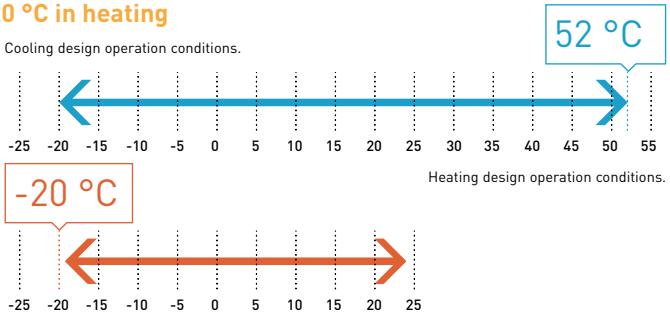


* 4 way 90x90 cassette.

Extended operation range up to 52 °C in cooling and down to -20 °C in heating

Upgraded PACi NX Elite Series are capable of working even in the challenging ambient conditions. Cooling operation is possible when outdoor temperature is as low as -20 °C* or as high as 52 °C.
Heating operation can also be utilized at outdoor temperatures down to -20 °C when outdoor temperature is as low as -20 °C.

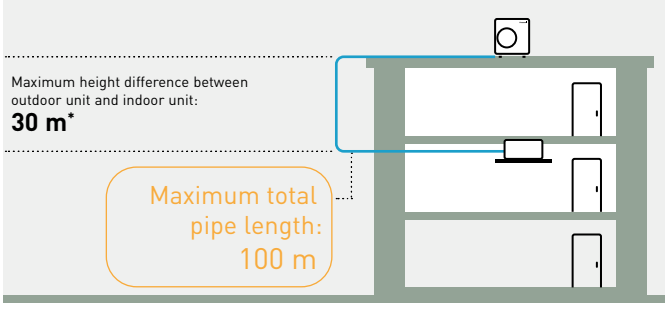
* For models 10,0 ~ 14,0 kW with pipe length up to 30 m.



Long piping allowance maximum 100 m*

Increased piping length gives great design flexibility to adapt various building types and sizes.
Piping length: 100 m (10,0 to 14,0 kW), 60 m (7,1 kW)

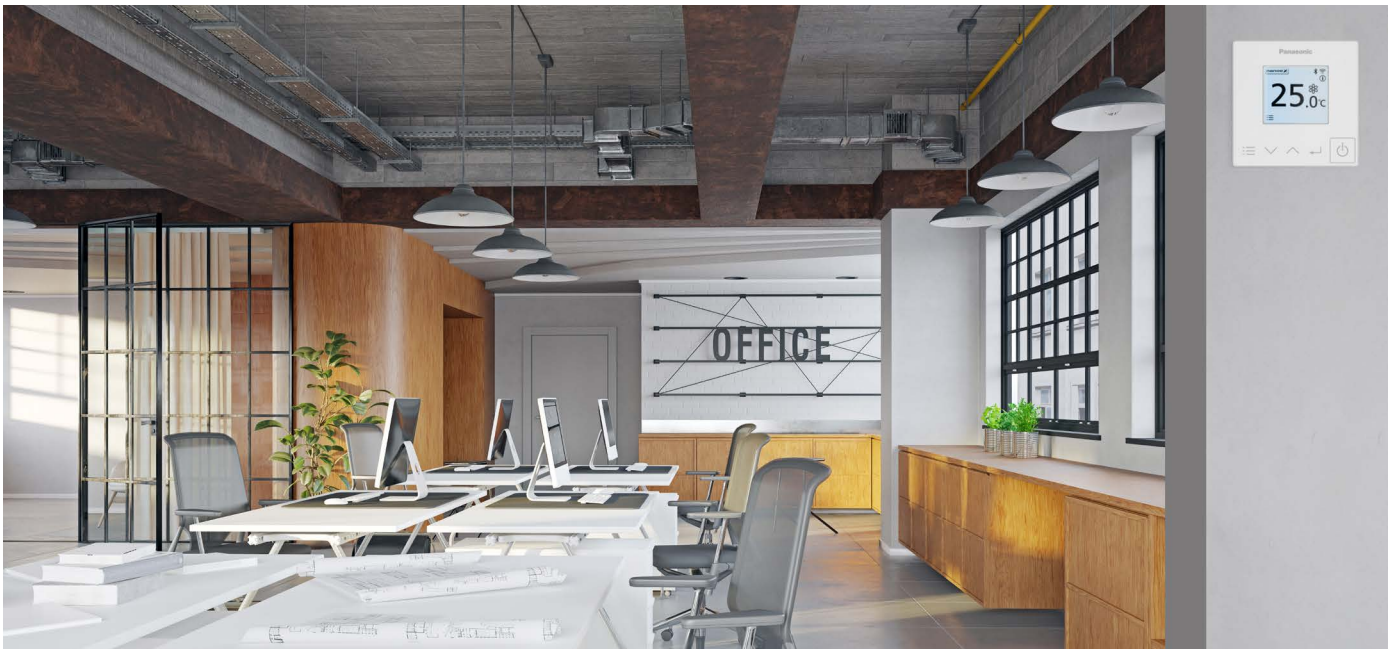
* For models 10,0 ~ 14,0 kW. Restrictions apply.



* 15 m if the outdoor unit is below the indoor unit.

CONEX. Devices and apps

CONEX provides comfort and control for varying user needs. Accessible, flexible and scalable with different controllers and apps. Perfectly meeting requirements of modern controls for end user, installer and service. With nanoe™ X function, technology with the benefits of hydroxyl radicals.



1 Intuitive control with stylish design

- Simple operation at a glance
- Clean face with full flat and LCD display
- Compact body, only 86x86 mm

2 Control comfort with your smartphone

- Flexible control options with IoT integration
- Panasonic H&C Control App for daily remote control operation
- Panasonic Comfort Cloud App for remote operation 24/7/365

3 Easy maintenance with service support app

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

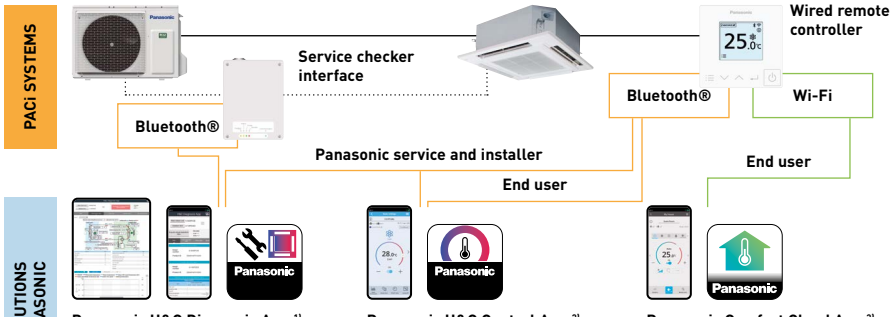
* The use of apps depends on the remote controller model.

CONEX with IoT integration

CONEX

The wired remote controller series is fully integrated with IoT solutions developed by Panasonic.
Detailed operation, maintenance setting and service operation are all possible with smartphone or tablet.

https://youtu.be/_USzG_9f6bk



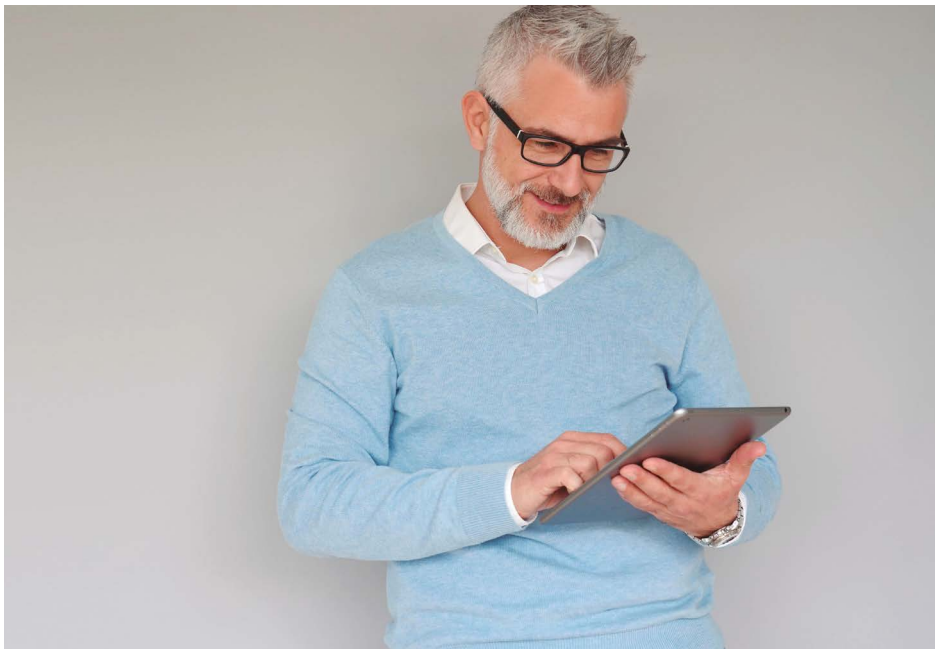
1) A service checker interface is required when this app is used from outdoor location. Wired remote controller (CZ-RTC6WBL, CZ-RTC6BL, CZ-RTC6WBLW or CZ-RTC6BLW) is required when this app is used from indoor location. Compatible with PZ3 and PZH3 outdoor units. 2) CZ-RTC6WBL, CZ-RTC6BL, CZ-RTC6WBLW or CZ-RTC6BLW required. 3) CZ-RTC6WBLW or CZ-RTC6BLW required.

White model [1]	CZ-RTC6W	CZ-RTC6WBL	CZ-RTC6WBLW
Black model	**CZ-RTC6**	**CZ-RTC6BL**	**CZ-RTC6BLW**
Wired connection compatible with	PACi, PACi NX, ECOi, GHP	PACi, PACi NX, ECOi, GHP	PACi NX only
Wireless functions	No wireless capability	Bluetooth®	Bluetooth® + Wi-Fi
App compatibility			
Panasonic Comfort Cloud App	—	—	✔
Panasonic H&C Control App	—	✔ PACi, PACi NX, ECOi, GHP	✔ PACi NX only
Panasonic H&C Diagnosis App [2]	—	✔ PACi NX only [3]	✔ PACi NX only [3]
Outdoor unit settings (remote controller connected to indoor unit)	✔ PACi NX only [3]	✔ PACi NX only [3]	✔ PACi NX only [3]

1) Available in Autumn 2023. 2) Compatible with U-71/100/125/140PZH3E5/8 and U-100/125/140PZ3E5/8. 3) When connected to PACi NX indoor and outdoor unit combination.

Commercial Wi-Fi Adaptor

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



Advanced smartphone control

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

1 From 1 to 200 units

User can control up to 10 different sites, with up to 20 units / groups per site. Additionally, one adaptor can be connected to 1 indoor or to a group of up to 8 indoors.

2 Voice control compatible

When registering the unit to Panasonic Comfort Cloud App makes it compatible with most popular voice assistants.

3 Multi user

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

4 Easy scheduling

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

5 Energy monitor

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

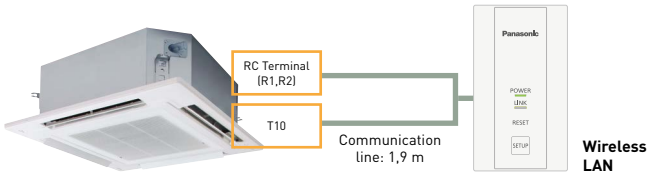
* Function available depending on the model.

6 Error codes

Error code notification through the App, provides early notification and allows for faster repair.

Connection Diagram

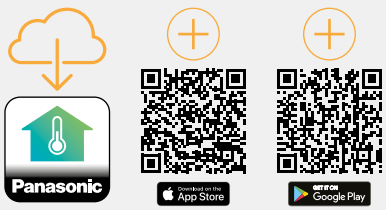
Commercial Wi-Fi Adaptor wiring length is 1,9 m and connects to indoor unit via T10 connector and R1/R2 terminal connectors.



Download free app:
Panasonic Comfort Cloud App.

Other hardware requirements: Router and Internet (purchase and subscribe separately).

Panasonic Cloud Server is designed, operated and managed by Panasonic.



Input Voltage	DC 12 V (supplied from T10 connector)
Power Consumption	Maximum 2,4 W
Size (H x W x D)	120 x 70 x 25 mm
Weight	190 g (including communications lines)
Interface	1 x Wireless LAN
Wireless LAN Standard	IEEE 802,11 b/g/n
Frequency Range	2,4 GHz band
Operating range	0 ~ 55 °C, 20 ~ 80 RH%
Connectable indoor unit	1 unit
Length of communication line	1,9 m (included)

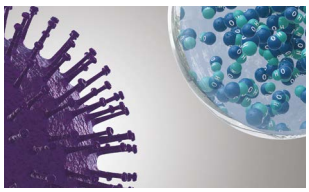
Bringing nature's balance indoors

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

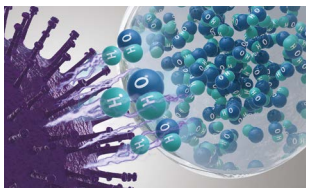
Abundant in nature, hydroxyl radicals (also known as OH radicals) have the capacity to inhibit pollutants, viruses, and bacteria to clean and deodorise. nanoe™ X technology can bring these incredible benefits indoors so that hard surfaces, soft furnishings, and the indoor environment can be a cleaner and more pleasant place to be, whether at home, work, or visiting hotels, shops and restaurants etc.

Panasonic's nanoe™ X technology takes this a step further and brings nature's detergent – hydroxyl radicals – indoors to help create an ideal environment

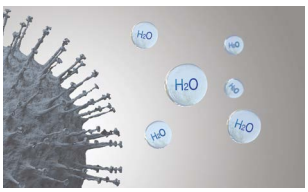
Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances.



1 | nanoe™ X reliably reaches pollutants.



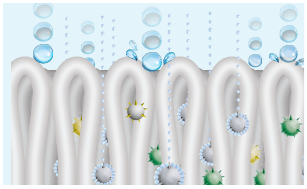
2 | Hydroxyl radicals denature pollutants' proteins.



3 | Pollutants activity is inhibited.

What is unique about nanoe™ X?

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.

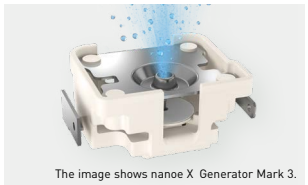
Longer lifespan.

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 2 produces 9,6 trillion hydroxyl radicals per second. Greater amounts of hydroxyl radicals contained in nanoe™ X lead to higher performance on inhibition of pollutants.

Maintenance-free.

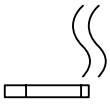


The image shows nanoe X Generator Mark 3.

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 Titatium.

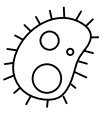
7 effects of nanoe™ X – Panasonic unique technology

Deodorises



Odours

Capacity to inhibit 5 types of pollutants



Bacteria and viruses

Mould

Allergens

Pollen

Hazardous substances

Moisturises

Skin and hair

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

nanoe™ X, internationally-validated technology in testing facilities.

The effectiveness of nanoe™ X technology has been tested by 3rd party laboratories in Germany, France, Denmark, Japan and China.

The nanoe™ X performance varies depending on the room size, environment and usage and it may take several hours to reach the full effect. nanoe™ X is not medical device, local regulations on building design and sanitary recommendations must be followed. Test results conducted under controlled laboratory conditions. Performance of nanoe™ X might differ in real life environment.

		Tested contents	Generator	Result	Capacity	Time	Testing organisation	Report No.
Airborne	Virus	Influenza (H1N1)	**Mark 2**	98,3% inhibited	30 m³	1,5 h	China Electronic Product Reliability and Environmental Testing Research Institute	J2003WT8888-00889
		Bacteriophage ΦX174	Mark 1	99,7% inhibited	Approx. 25 m³	6 h	Kitasato Research Center for Environmental Science	24_0300_1
	Bacteria	Staphylococcus aureus	Mark 1	99,9% inhibited	Approx. 25 m³	4 h	Kitasato Research Center for Environmental Science	2016_0279
Adhering	Virus	SARS-CoV-2	Mark 1	91,4% inhibited	6,7 m³	8 h	Texcell (France)	1140-01 C3
		SARS-CoV-2	Mark 1	99,9% inhibited	45 L	2 h	Texcell (France)	1140-01 A1
		Bacteriophage ΦX174	Mark 1	99,8% inhibited	Approx. 25 m³	8 h	Japan Food Research Laboratories	13001265005-01
		Xenotropic murine leukemia virus	Mark 1	99,999% inhibited	45 L	6 h	Charles River Biopharmaceutical Services GmbH	—
		Coxsackie virus (CA16)	**Mark 2**	99,9%inhibited	30 m³	4 h	China Electronic Product Reliability and Environmental Testing Research Institute	J2002WT8888-00439
	Bacteria	Staphylococcus aureus	Mark 1	99,9% inhibited	20 m³	8 h	Danish Technological Institute	868988
	Pollen	Cedar	**Mark 2**	99%inhibited	23 m³	12 h	Panasonic Product Analysis Center	L19YA009
		Ambrosia pollen	Mark 1	99,4% inhibited	20 m³	8 h	Danish Technological Institute 868988	868988
	Odours	Cigarette smoke odour	Mark 1	Odour intensity reduced by 2,4 levels	Approx. 23 m³	0,2 h	Panasonic Product Analysis Center	4AA33-160615-N04

First nanoe™ device was developed by Panasonic in 2003

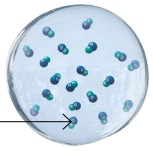
Generator: nanoe™

2003

480 billion hydroxyl radicals/sec

Ion particle structure

Hydroxyl radicals

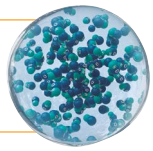


Generator: nanoe™ X

Mark 1 - 2016

4,8 trillion hydroxyl radicals/sec

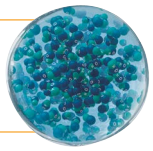
10x times



Mark 2 - 2019

9,6 trillion hydroxyl radicals/sec

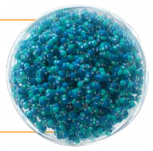
20x times



NEW Mark 3 - 2022

48 trillion hydroxyl radicals/sec

100x times



nanoe™ X: improving protection 24/7

Acts to clean your air, so that the indoor environment can be a cleaner and more pleasant place to be all day long. nanoe™ X works together with heating or cooling function when you are at home and can work independently when you are away.
Give the air conditioning the strength to increase the protection at home with nanoe™ X technology and convenient control via the Panasonic Comfort Cloud App.

Cleans the air when you are away.
Leave the nanoe™ mode ON to inhibit certain pollutants and deodorise before you return home.

Improves your environment when you are at home.
Enjoy a cleaner, comfortable space with loved ones.

Panasonic Heating & Cooling Solutions is incorporating nanoe™ technology in a wide range of equipment

Wall-mounted.
Built-in nanoe X Generator Mark 2.

4 Way 60x60 cassette.
Built-in nanoe X Generator Mark 2.

4 Way 90x90 cassette.
Built-in nanoe X Generator Mark 1.

Ceiling.
Built-in nanoe X Generator Mark 2.

Adaptive ducted unit.
Built-in nanoe X Generator Mark 2.

Ceiling mounted air-e nanoe X Generator.
Built-in nanoe X Generator Mark 1.

PACi NX 4 way 90x90 cassette - PU3

These cassettes offer upgraded nanoe™ X and Econavi technologies to make the room air more comfortable and healthy and to increase the energy efficiency.

nanoe™ X

SEE PRODUCT SPECIFICATIONS

1 Improved indoor air quality with nanoe™ X and fresh air intake

- nanoe™ X technology equipped as standard for improved indoor air quality
- Internal cleaning function for the unit with nanoe™ X
- High external fresh air intake volume with optional kit (CZ-FDU3 + CZ-ATU2)

2 Superior energy efficiency and comfort

- High seasonal efficiency both in heating and cooling, maximum SEER: 8,9 A+++ / SCOP: 5,1 A+++*
- Econavi: Intelligent sensors to increase energy savings and comfort
- Super quiet operation down to 27 dB(A)

* For 3,6 kW model.

3 Easy installation

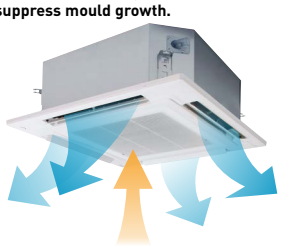
- Light weight, easy piping and integrated drain pump for quick installation
- Wired remote controller CZ-RTC6WBL and CZ-RTC6BL allows easy system setting via Bluetooth®

Always fresh and clean air with nanoe™ X

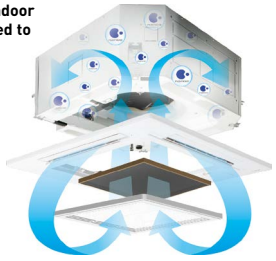
The 4 way 90x90 cassette with nanoe™ X, when tested, has shown to inhibit hazardous substances by 92%, when compared to natural reduction*.
In addition to the 7 effects of nanoe™ X, the indoor unit can also be cleaned with a short operation of nanoe™ X + dry mode.

* Controllers (CZ-RTC5B, CZ-RTC6W/BL/BLW or CZ-RTC6/BL/BLW) are required.

After cooling / drying operation, the inside of the indoor unit is automatically dried and nanoe™ X is activated to suppress mould growth.



Operates the fan to discharge internal humidity.

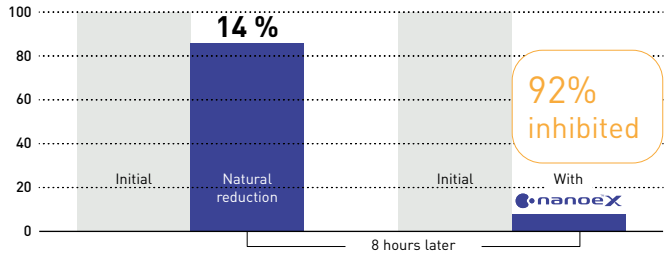


Operate the fan to circulate nanoe™ X internally.

nanoe™ X effect against odour proven in large space

92% of hexadecane [1] is inhibited after 8-hours exposure in room side 267 m².

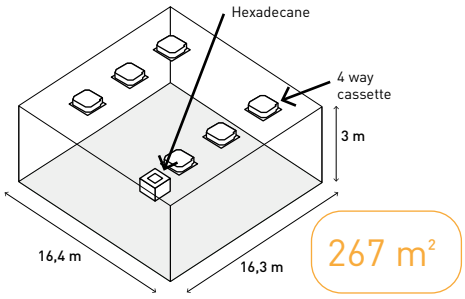
Hexadecane inhabitation ratio (%).



Test ambient.

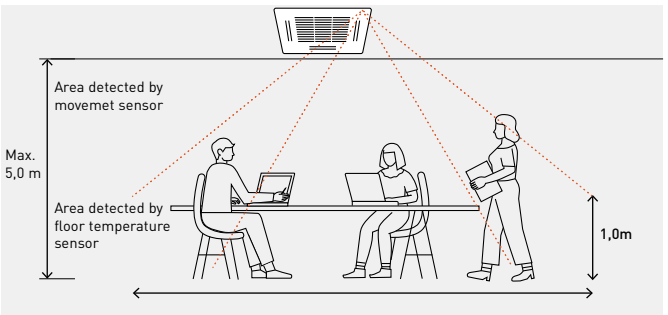
3rd party certification organization SIRIM [2] conducted the performance experiment of 4 way cassette equipped with nanoe X Generator Mark 1 device in inhibiting hexadecane, a chemical contaminant.

1) Hexadecane is a hazardous substance contained in gasoline and diesel exhaust gas, and considered to be one cause of oil odour. 2) SIRIM Berhad (SIRIM),a premier industrial research and technology organization in Malaysia, wholly-owned by the Ministry of Finance Incorporated.



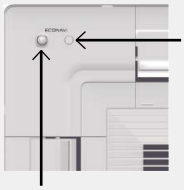
Optional Econavi intelligent sensor

Human activity sensor and floor temperature sensor can reduce waste energy, by optimising air conditioner operation.



Advanced Econavi functions.
2 sensors (movement and floor temperature) can provide a reduction in wasted energy by means of effective control. The floor temperature can be detected with a ceiling height of 5 m.

Econavi exclusive panel. Optional (CZ-KPU3AW)



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

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

Wired remote controller CZ-RTC5B, CZ-RTC6W/BL/BLW or CZ-RTC6/BL/BLW is required.

PACi NX adaptive ducted unit - PF3

The adaptive ducted units provide better flexibility with both installation possibilities, horizontal and vertical. The powerful external static pressure, maximum 150 Pa.

nanoe™ X

SEE PRODUCT SPECIFICATIONS

1 Highly flexible installation

2 installation possibilities (horizontal / vertical).

2 High seasonal performance with slim body

Maximum SEER: 7,4 A++ [1] / SCOP: 4,7 A++ [2].

1) For 10,0 kW model. 2) For 7,1 kW model.

3 Comfort operation

Super quiet operation, minimum 22 dB(A)*.

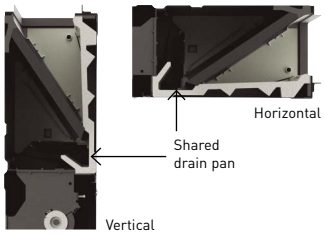
* 3,6 kW model and when operating with external static pressure 50 Pa in low fan mode.

2 installation possibilities (horizontal / vertical)

Vertical installation is available. External static pressure 150 Pa, sufficient for remotely installing units away from the rooms.

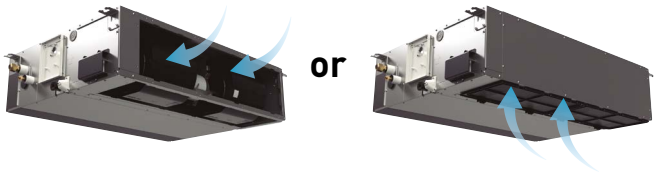
Improved drain pan design

Just one drain pan for both horizontal and vertical installations. No need to modify the unit.



Selectable inlet air position

Inlet air position may be adjusted by means of a removable panel, to allow rear or bottom entry, depending on the duct installation.



Maximum efficiency

Energy class [1] and seasonal efficiency value ($n_{s,c}$ / $n_{s,h}$) [2]								
	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Elite	❄	A++	A++	A++	A++	A++	281,7%	275,9%
	☼	A+	A+	A++	A++	A+	170,0%	171,0%
Standard	❄	A+	A++	A++	A++	A++	257,4%	252,2%
	☼	A+	A+	A++	A+	A	142,6%	140,6%

1) Energy label scale from A+++ to D for models below 12,0 kW (EU regulation 626/2011). 2) $\eta_{s,c}$ / $\eta_{s,h}$ values for models above 12,0 kW (EN 14825).

Compact body

· Only 250 mm high
· Light units from 25 to 39 kg

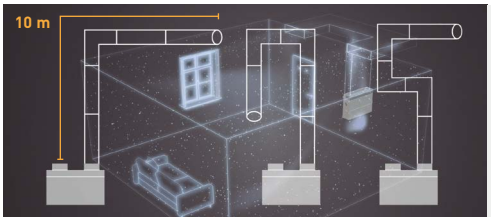
Conventional model	Adaptive ducted
33 kg	**30 kg**
290 mm	**250 mm**

Adaptive ducted

Better indoor air quality with nanoe™ X

The performance of nanoe™ X technology is maintained, even with 10 m long ducts*.
The effect of improved air quality is sufficient to allow for numerous duct shapes to fit the application.

* Panasonic internal survey.

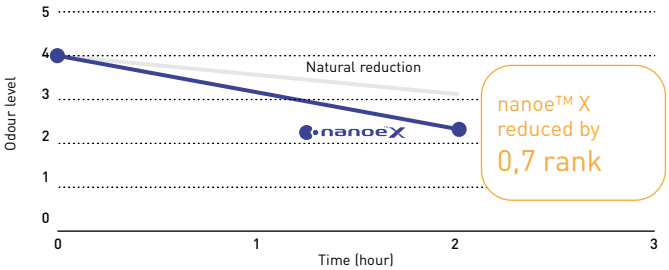


As the experiments demonstrate, up to a duct length of 10 m, effectiveness of nanoe™ X is maintained even if the duct is bended 3 times.

nanoe™ X effect against odour proven in large space

In a room of 139 m², tobacco odour is reduced by a factor of 0,7 when compared to natural reduction over a period of 2 hours.

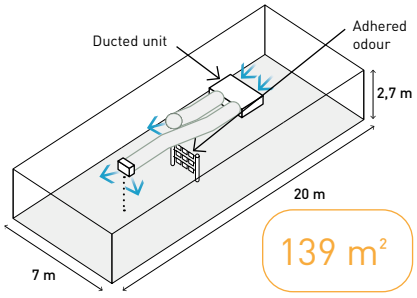
Tobacco deodorisation ratio.



Test ambient.

3rd party international testing institute KAKEN [1] conducted the performance experiment of Adaptive ducted equipped with nanoe X Generator Mark 2 device removing tobacco odour.

1) KAKEN TEST CENTER General Incorporated Foundation in Japan, international testing institute.



PACi NX wall-mounted, 4 way 60x60 cassette and ceiling

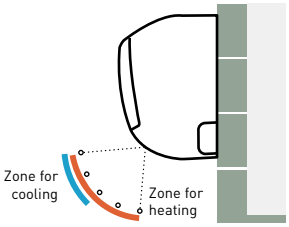
A new era of air conditioning solutions are here, with built-in nanoe™ X technology.

PACi NX wall-mounted - PK3.

Providing a small, lightweight and low noise level design, it is ideal for small offices and other commercial applications. It also has a stylish smooth design with a washable front panel.

Air distribution is automatically altered depending on the operational mode of the unit

Air outlet angle is automatically adjusted for cooling and heating operation.



Closed discharge port

When the unit is turned OFF, the flap closes completely to prevent dust getting into the unit and to keep the equipment clean.

Piping outlet in six directions

Piping outlet is possible in six directions of; right, right rear, right bottom, left, left rear and left bottom, making installation flexible.

SEE PRODUCT SPECIFICATIONS

PACi NX 4 way 60x60 cassette - PY3.

The PY3 not only perfectly matches with 600 x 600 mm ceiling grids but also provides an additional benefit for better indoor quality, with nanoe™ X built-in.

Industry-leading energy efficiency

- Energy class A++* with Elite outdoor range
- Energy class A++ with Standard outdoor range 2,5 kW model

* Except for 6,0 kW.

Compact and stylish design

- Required ceiling depth of only 250 mm
- Exposed area is only 30 mm

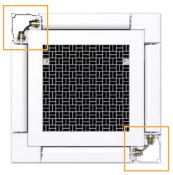
Internal cleaning function

When cooling or dry operation stopped, internal drying and nanoe™ X circulation airflow is activated in order to suppress the mould proliferation inside the unit (airflow passage, fan, heat exchanger)*.

* Depending on the installation environment or operating hours, mould proliferation or inhabitation of mould growth will be changed.

Individual flap control

Better control of the air flow with 4 motors, providing individual flap control. Perfect air distribution without direct airflow, to reduce the feeling of cold drafts.



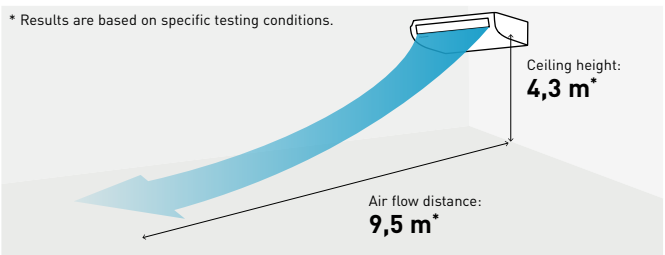
SEE PRODUCT SPECIFICATIONS

PACi NX ceiling - PT3.

Providing outstanding energy-saving performance, comfort and long-distance airflow distribution, these units are perfect for retail stores and schools.

Comfortable, long-distance airflow distribution

The shape of the outlet has been optimised to provide long-distance air flow distribution.
Even in long rooms, air flow reaches every corner for exceptionally comfortable air conditioning.



Compact looking, stylish, one-motion design

With its streamlined, one-motion form, the unit looks thin and compact when installed for a neat appearance in any room. When not operating, the louver closes to provide an elegant look while also keeping the unit clean.

Energy-saving technology delivering top-class efficiency

Optimisation of the shape of the casing and fan assures bigger air flow and higher efficiency. Energy-saving performance is top class in the industry. Thanks to new DC fan motor and large diagonal air flow fan.

SEE PRODUCT SPECIFICATIONS

Solutions for server rooms applications

Effectively protect your IT related spaces, 24/7, with a complete range of solutions offering redundancy control. High efficiency products provide reliable cooling all year round.

YKEA server room solution.

- Perfect solution for smaller server rooms
- Compact design
- Reaching SEER value of 9,6 (A+++) [1]
- High seasonal performance
- Range of capacities available
- Operation down to -25 °C ambient

1) For 3,5 kW unit.

PACi solution.

- Scalability for larger applications
- Twin, triple and double-twin options [1]
- Increased piping lengths of up to 90 m [2]
- Increased sensible capacity options available
- Flexible and adaptable control options

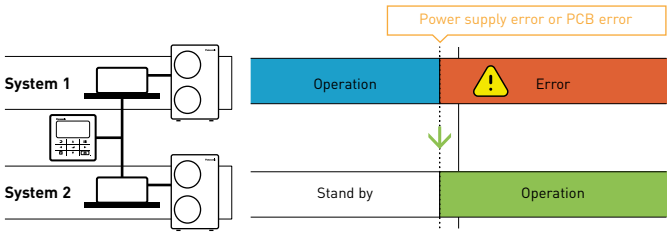
1) Compatible with PAW-PACR4 only. 2) For Big PACi 20 kW unit.

Redundancy ensured by three different functionalities..

Computer and server rooms are very sensitive areas of application. Any downtime caused by high room temperatures must be avoided by any means. Air conditioner redundancy is one of the key points to ensure a reliable nonstop cooling operation.

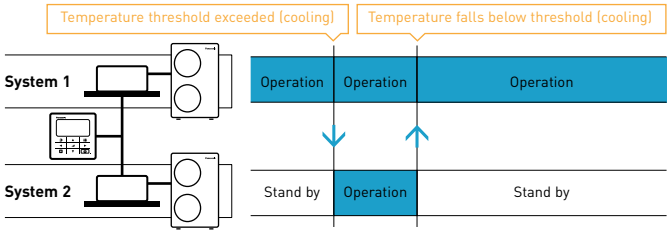
1 Backup operation

When an air conditioner fails for whatever reason, another one will awake from standby mode and cover the room's cooling load.



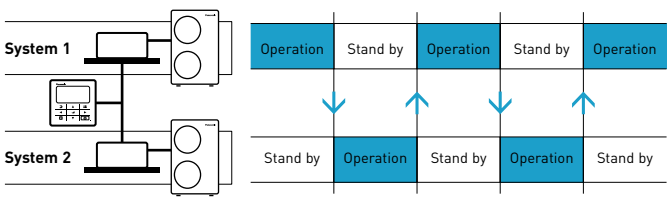
2 Support operation

Support operation, also called cascade control, makes sure that the capacity required to cool the room is delivered by one or more units whenever required. When the capacity of 1 air conditioner is not sufficient, another one will be started to support the operation.



3 Rotation operation

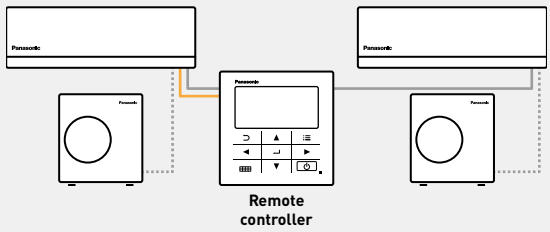
Backup and support operation are key functions for a redundant operation in computer rooms. This concept implies a main system and a sub system. In order to avoid an imbalance of the operating hours of the systems, the redundancy control equalises the operation time by rotating the main and the sub systems, thus providing a "rotation operation".



Redundancy control options for 24/7/365 applications

YKEA integral solution

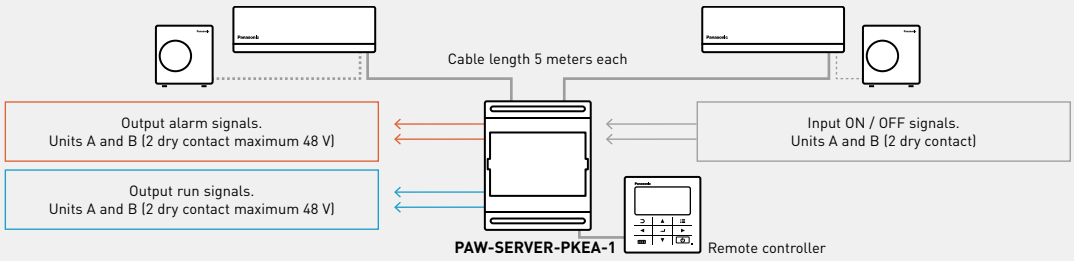
- Ideal solution for small server rooms, providing full redundancy functionality integrated in YKEA's remote controller (requires optional CZ-RCC5 cable set)
- Up to 2 YKEA systems connectable to 1 remote controller
- Individual alarm display for each system
- Operation can be monitored by H&C Controls App (via WLAN)
- No digital inputs/outputs



Optional interface for YKEA units

PAW-SERVER-PKEA-1

- Ideal solution for small server rooms, providing full redundancy functionality
- Up to 2 YKEA systems connectable to PAW-SERVER-PKEA-1
- Additional benefits: Operation and alarm outputs for each system, ON / OFF inputs for each system for connection to external BMS

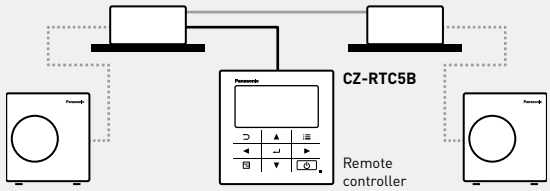


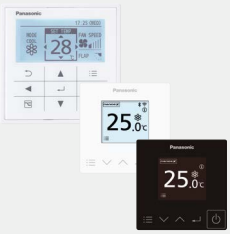
PACi integral solution

CZ-RTC5B / CZ-RTC6W / CZ-RTC6 / CZ-RTC6WBL / CZ-RTC6BL / CZ-RTC6WBLW / CZ-RTC6BLW

- Full redundancy functionality
- Quick and easy installation using PACi group control
- Up to 2 PACi systems connectable to 1 remote controller
- Delta T setting for support operation selectable from 4 to 10 K
- Connectable to Panasonic centralised control systems
- Optional interfaces for connection to external BMS (Modbus, BACnet, KNX)

*Not compatible with YKEA units

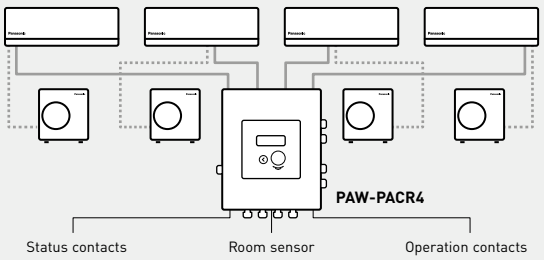


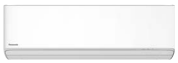
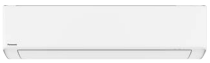


NEW Optional interface up to 4 indoor units PACi or VRF

PAW-PACR4

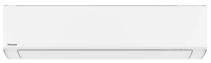
- Redundancy control up to 4 indoor unit groups
- Actual unit operation / alarm status can be displayed
- Common digital alarm / operation status output
- For each support operation level, individual temperature thresholds can be set (cascade control)
- Room temperature display (by device's own temperature sensor)
- Modbus connection (up to 4 PAW-RC2-MBS-1)
- Available external inputs (ON / OFF, heating/ cooling change, fire prevention contact)



Page	Indoor units	2,5 kW	3,6 kW	4,5 kW [1]	5,0 kW	6,0 kW
P. 38	Wall-mounted Professional [2]	 CS-Z25YKEA	 CS-Z35YKEA	 CS-Z42YKEA	 CS-Z50YKEA	
P. 38	PACi NX wall-mounted		S-3650PK3E	S-3650PK3E	S-3650PK3E	S-6010PK3E
P. 39	PACi NX 4 way 60x60 cassette	 S-25PY3E	 S-36PY3E		 S-50PY3E	 S-60PY3E
P. 40	PACi NX 4 way 90x90 cassette		 S-3650PU3E	 S-3650PU3E	 S-3650PU3E	 S-6071PU3E
P. 41	PACi NX ceiling		 S-3650PT3E	 S-3650PT3E	 S-3650PT3E	 S-6071PT3E
P. 42	PACi NX adaptive ducted		 S-3650PF3E	 S-3650PF3E	 S-3650PF3E	 S-6071PF3E
P. 43	NEW Big PACi NX high static pressure hide-away 20,0-25,0 kW					
P. 43	Big PACi high static pressure hide-away 20,0-25,0 kW					

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

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. 3) These two units are not in PACi NX range but part of Big PACi range.
* U-__E5 Single phase / U-__E8 Three phase.

7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
 CS-Z71YKEA					
S-6010PK3E	S-6010PK3E				
 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-200PE4E	 S-250PE4E
				 S-200PE3E5B	 S-250PE3E5B

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		
				 U-200PZH2E8 [3]	 U-250PZH2E8 [3]

OPTIONAL UNITS ON VENTILATION SECTION

Wall-mounted Professional

Wall-mounted Professional -25 °C · R32

Designed for 24h/7d a week operation for server rooms.
High seasonal performance.
Operation range up to 43 °C in cooling and down to -15 °C in heating.

Kit (remote controller included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER [1]	SCOP [1]		Dimension / Weight H x W x D		Dimension [2] / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	2.5 kW	KIT-Z25-YKEA	2.50	2.49/1.90	3.40	3.78/3.05	9.5 A+++	4.6 A++	CS-Z25YKEA	295 x 870 x 229/11	CU-Z25YKEA	542 x 780 x 289/30	1,278
	3.5 kW	KIT-Z35-YKEA	3.50	3.48/2.66	4.00	4.62/3.40	9.6 A+++	4.6 A++	CS-Z35YKEA	295 x 870 x 229/11	CU-Z35YKEA	542 x 780 x 289/30	1,464
	4.2 kW	KIT-Z42-YKEA	4.20	4.18/3.19	5.30	5.04/4.11	8.6 A+++	4.5 A+	CS-Z42YKEA	295 x 870 x 229/11	CU-Z42YKEA	542 x 780 x 289/30	1,753
	5.0 kW	KIT-Z50-YKEA	5.00	4.66/4.25	5.80	5.62/4.80	8.6 A+++	4.6 A++	CS-Z50YKEA	295 x 1040 x 244/12	CU-Z50YKEA	695 x 875 x 320/40	1,849
	7.1 kW	KIT-Z71-YKEA	7.10	6.55/5.20	8.20	6.94/6.31	6.5 A++	4.1 A+	CS-Z71YKEA	295 x 1040 x 244/13	CU-Z71YKEA	695 x 875 x 320/45	2,503

Piping information						
Kit	kW	2,5	3,5	4,2	5,0	7,1
Piping diameter (liquid - gas)	Inch	¼ - ⅜	¼ - ⅜	¼ - ½	¼ - ½	¼ - ⅝
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.	mm²	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.

PACi NX Series

PACi NX Series Elite wall-mounted - PK3 · R32

Modern design with flat face.
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 165 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER [2]	SCOP [2]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PK3ZH5	3.6	3.5/2.4	4.0	4.5/3.9	8.4 A++	4.9 A++	S-3650PK3E	302 x 1120 x 236/13	U-36PZH3E5	695 x 875 x 320/42	2,252
	5.0 kW	KIT-50PK3ZH5	5.0	4.9/3.4	5.6	5.9/5.0	8.0 A++	4.7 A++	S-3650PK3E	302 x 1120 x 236/13	U-50PZH3E5	695 x 875 x 320/42	2,468
	6.0 kW	KIT-60PK3ZH5	6.1	6.0/4.0	7.0	7.2/6.2	7.2 A++	4.8 A++	S-6010PK3E	302 x 1120 x 236/14	U-60PZH3E5	695 x 875 x 320/43	2,901
	7.1 kW	KIT-71PK3ZH45	7.1	8.1/5.8	8.0	8.0/6.8	6.8 A++	4.7 A++	S-6010PK3E	302 x 1120 x 236/14	U-71PZH4E5	996 x 980 x 370/66	3,408
	10.0 kW	KIT-100PK3ZH45	9.5	9.4/6.6	9.5	10.1/8.4	6.4 A++	3.9 A	S-6010PK3E	302 x 1120 x 236/14	U-100PZH4E5	996 x 980 x 340/84	3,966
3ph	7.1 kW	KIT-71PK3ZH48	7.1	8.1/5.8	8.0	8.0/6.8	6.7 A++	4.7 A++	S-6010PK3E	302 x 1120 x 236/14	U-71PZH4E8	996 x 980 x 370/66	3,469
	10.0 kW	KIT-100PK3ZH48	9.5	9.4/6.6	9.5	10.1/8.4	6.3 A++	3.9 A	S-6010PK3E	302 x 1120 x 236/14	U-100PZH4E8	996 x 980 x 340/84	4,008

Piping information						
Kit	kW	3,6	5,0	6,0	7,1	10,0
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝
Pipe length range	m	3 ~ 40	3 ~ 40	3 ~ 40	5 ~ 60	5 ~ 100
Elevation difference (in / out) [2]	m	15/30	15/30	15/30	15/30	15/30
Pre-charged pipe length	m	30	30	30	30	30
Additional gas amount	g/m	15	15	15	45	45

Electrical information (power supply to outdoor)								
		Single phase					Three phase	
Kit	kW	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.	mm²	4x1,5	4x1,5	4x1,5	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.

PACi NX Series

PACi NX Series Standard wall-mounted - PK3 · R32

Modern design with flat face.
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 165 £ 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 / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PK3Z5	3.6	3.4/2.4	3.6	4.0/3.2	7.6 A++	4.5 A+	S-3650PK3E	302 x 1120 x 236 / 13	U-36PZ3E5	619 x 824 x 299 / 32	1,864
	5.0 kW	KIT-50PK3Z5	5.0	4.8/3.2	5.0	5.6/4.6	7.4 A++	4.4 A+	S-3650PK3E	302 x 1120 x 236 / 13	U-50PZ3E5	619 x 824 x 299 / 35	2,120
	6.0 kW	KIT-60PK3Z5	6.1	6.0/4.0	6.1	6.3/5.4	7.0 A++	4.7 A++	S-6010PK3E	302 x 1120 x 236 / 14	U-60PZ3E5A	695 x 875 x 320 / 42	2,404
	7.1 kW	KIT-71PK3Z5	7.1	6.7/4.4	7.1	7.1/5.8	5.8 A+	4.4 A+	S-6010PK3E	302 x 1120 x 236 / 14	U-71PZ3E5A	695 x 875 x 320 / 50	2,739
	10.0 kW	KIT-100PK3Z5	9.0	9.0/5.6	9.0	9.7/8.8	6.5 A++	3.9 A	S-6010PK3E	302 x 1120 x 236 / 14	U-100PZ3E5	996 x 980 x 370 / 83	3,068
3ph	10.0 kW	KIT-100PK3Z8	9.0	9.0/5.6	9.0	9.7/8.8	6.5 A++	3.9 A	S-6010PK3E	302 x 1120 x 236 / 14	U-100PZ3E8	996 x 980 x 370 / 83	3,178

Piping information						
Kit	kW	3,6	5,0	6,0	7,1	10,0
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ⅝	⅜ - ⅝
Pipe length range	m	3 ~ 15	3 ~ 20	3 ~ 40	3 ~ 40	5 ~ 50
Elevation difference (in / out) [2]	m	15/15	15/15	15/30	20/30	15/30
Pre-charged pipe length	m	7,5	7,5	30	30	30
Additional gas amount	g/m	10	15	15	17	45

Electrical information (power supply to outdoor)								
		Single phase					Three phase	
Kit	kW	3,6	5,0	6,0	7,1	10,0	10,0	
Recommended fuse	A	20	20	25	25	35	16	
Connection in. / out.	mm²	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 $\eta_{s,c}$ / $\eta_{s,h}$ values is calculated based on EN 14825.
2) Outdoor unit located lower / outdoor unit located higher.

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

nanoe™ X (Generator Mark 2).
Panel (H x W x D / net weight): 30 x 625 x 625 mm / 2,8 kg.

Kit (CZ-RTC5B remote controller 165 £ and CZ-KPY4 panel 255 £ 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 / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
Standard													
1ph	2.5 kW	KIT-25PY3Z5	2.5	2.4/1.6	3.2	4.0/3.2	6.5 A++	4.6 A++	S-25PY3E	243 x 575 x 575 / 15	U-25PZ3E5	619 x 824 x 299 / 32	1,929
	3.6 kW	KIT-36PY3Z5	3.6	3.4/2.3	3.6	4.0/3.2	6.7 A++	4.3 A+	S-36PY3E	243 x 575 x 575 / 15	U-36PZ3E5	619 x 824 x 299 / 32	2,030
	5.0 kW	KIT-50PY3Z5	5.0	4.8/3.0	5.0	5.6/4.6	7.3 A++	4.4 A+	S-50PY3E	243 x 575 x 575 / 15	U-50PZ3E5	619 x 824 x 299 / 35	2,386
	6.0 kW	KIT-60PY3Z5	6.0	5.9/3.7	6.0	6.3/5.4	6.8 A++	4.2 A+	S-60PY3E	243 x 575 x 575 / 15	U-60PZ3E5A	695 x 875 x 320 / 46	2,584
Elite													
1ph	3.6 kW	KIT-36PY3ZH5	3.6	3.5/2.3	4.0	4.5/3.9	7.3 A++	4.7 A++	S-36PY3E	243 x 575 x 575 / 15	U-36PZH3E5	695 x 875 x 320 / 42	2,418
	5.0 kW	KIT-50PY3ZH5	5.0	4.9/3.1	5.6	5.8/5.0	7.0 A++	4.6 A++	S-50PY3E	243 x 575 x 575 / 15	U-50PZH3E5	695 x 875 x 320 / 42	2,734
	6.0 kW	KIT-60PY3ZH5	6.0	5.9/3.7	7.0	6.7/5.8	6.7 A++	4.3 A+	S-60PY3E	243 x 575 x 575 / 15	U-60PZH3E5	695 x 875 x 320 / 43	3,081

Piping information								
		Elite			Standard			
Kit	kW	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)					
		Single phase			
Kit	kW	2,5	3,6	5,0	6,0
Recommended fuse	A	16	16	16	16
Connection in. / out.	mm²	4x1,5	4x1,5	4x1,5	4x1,5

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.

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

PACi 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-KPU3AW).
Operation range up to 52 °C [1] in cooling and down to -20 °C in heating.

Kit (CZ-RTC5B remote controller 165 £ and CZ-KPU3W panel 232 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [2]	SCOP / $\eta_{s,h}$ [2]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PU3ZH5	3.6	3.5/2.6	4.0	4.5/3.9	8.9 A+++	5.1 A+++	S-3650PU3E	256 x 840 x 840 / 19	U-36PZH3E5	695 x 875 x 320 / 42	2,287
	5.0 kW	KIT-50PU3ZH5	5.0	4.9/3.4	5.6	5.9/5.1	8.6 A+++	4.9 A++	S-3650PU3E	256 x 840 x 840 / 19	U-50PZH3E5	695 x 875 x 320 / 42	2,503
	6.0 kW	KIT-60PU3ZH5	6.0	5.9/4.1	7.0	7.2/6.2	8.0 A++	4.8 A++	S-6071PU3E	256 x 840 x 840 / 20	U-60PZH3E5	695 x 875 x 320 / 43	2,999
	7.1 kW	KIT-71PU3ZH45	7.1	8.1/6.2	8.0	8.3/7.4	7.7 A++	4.8 A++	S-6071PU3E	256 x 840 x 840 / 20	U-71PZH4E5	996 x 980 x 370 / 66	3,506
	10.0 kW	KIT-100PU3ZH45	10.0	11.2/9.1	11.2	12.7/11.0	7.8 A++	4.9 A++	S-1014PU3E	319 x 840 x 840 / 25	U-100PZH4E5	996 x 980 x 370 / 84	4,166
	12.5 kW	KIT-125PU3ZH45	12.5	12.5/9.9	14.0	14.6/12.8	304.3%	186.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZH4E5	996 x 980 x 370 / 86	4,483
	14.0 kW	KIT-140PU3ZH45	14.0	14.3/10.9	16.0	16.4/14.4	286.6%	181.2%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZH4E5	996 x 980 x 370 / 86	4,993
3ph	7.1 kW	KIT-71PU3ZH48	7.1	8.1/6.2	8.0	8.3/7.4	7.6 A++	4.8 A++	S-6071PU3E	256 x 840 x 840 / 20	U-71PZH4E8	996 x 980 x 370 / 66	3,567
	10.0 kW	KIT-100PU3ZH48	10.0	11.2/9.1	11.2	12.7/11.0	7.7 A++	4.9 A++	S-1014PU3E	319 x 840 x 840 / 25	U-100PZH4E8	996 x 980 x 370 / 82	4,208
	12.5 kW	KIT-125PU3ZH48	12.5	12.5/9.9	14.0	14.6/12.8	303.3%	186.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZH4E8	996 x 980 x 370 / 84	4,618
	14.0 kW	KIT-140PU3ZH48	14.0	14.3/10.9	16.0	16.4/14.4	285.6%	181.1%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZH4E8	996 x 980 x 370 / 84	5,362

Piping information								
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	¼-½	¼-½	¼-½	⅜-⅝	⅜-⅝	⅜-⅝	⅜-⅝
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	45	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	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.	mm²	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.

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-KPU3AW).
Operation range up to 43 °C in cooling and down to -15 °C in heating.

Kit (CZ-RTC5B remote controller 165 £ and CZ-KPU3W panel 232 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [1]	SCOP / $\eta_{s,h}$ [1]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PU3Z5	3.6	3.4/2.6	3.6	4.0/3.2	8.1 A++	4.8 A++	S-3650PU3E	256 x 840 x 840 / 19	U-36PZ3E5	619 x 824 x 299 / 32	1,899
	5.0 kW	KIT-50PU3Z5	5.0	4.8/3.3	5.0	5.6/4.6	8.0 A++	4.7 A++	S-3650PU3E	256 x 840 x 840 / 19	U-50PZ3E5	619 x 824 x 299 / 35	2,155
	6.0 kW	KIT-60PU3Z5	6.0	5.9/4.1	6.0	6.3/5.4	7.8 A++	4.9 A++	S-6071PU3E	256 x 840 x 840 / 20	U-60PZ3E5A	695 x 875 x 320 / 42	2,502
	7.1 kW	KIT-71PU3Z5	7.1	6.7/4.4	7.1	7.1/5.8	6.8 A++	4.6 A++	S-6071PU3E	256 x 840 x 840 / 20	U-71PZ3E5A	695 x 875 x 320 / 50	2,837
	10.0 kW	KIT-100PU3Z5	10.0	10.7/7.6	10.0	13.0/11.8	6.8 A++	4.4 A+	S-1014PU3E	319 x 840 x 840 / 25	U-100PZ3E5	996 x 980 x 370 / 83	3,268
	12.5 kW	KIT-125PU3Z5	12.5	12.6/8.4	12.5	14.7/14.5	267.0%	157.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZ3E5	996 x 980 x 370 / 87	3,615
	14.0 kW	KIT-140PU3Z5	14.0	13.9/9.2	14.0	15.4/14.7	257.0%	152.2%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZ3E5	996 x 980 x 370 / 87	4,323
3ph	10.0 kW	KIT-100PU3Z8	10.0	10.7/7.6	10.0	13.0/11.8	6.7 A++	4.4 A+	S-1014PU3E	319 x 840 x 840 / 25	U-100PZ3E8	996 x 980 x 370 / 83	3,378
	12.5 kW	KIT-125PU3Z8	12.5	12.6/8.4	12.5	14.7/14.5	265.8%	157.0%	S-1014PU3E	319 x 840 x 840 / 25	U-125PZ3E8	996 x 980 x 370 / 87	3,682
	14.0 kW	KIT-140PU3Z8	14.0	13.9/9.2	14.0	15.4/14.7	256.2%	152.2%	S-1014PU3E	319 x 840 x 840 / 25	U-140PZ3E8	996 x 980 x 370 / 87	4,358

Piping information								
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	¼-½	¼-½	¼-½	¼-⅝	⅜-⅝	⅜-⅝	⅜-⅝
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	20	20	25	25	35	40	40	16	16	16	
Connection in. / out.	mm²	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.

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 165 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [2]	SCOP / $\eta_{s,h}$ [2]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool kW	UK Total / Sensible kW	Heat kW	UK Total / at -7 °C kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PT3ZH5	3.5	3.4/2.5	4.0	4.5/3.9	7.7 A++	4.9 A++	S-3650PT3E	235 x 960 x 690/26	U-36PZH3E5	695 x 875 x 320/42	2,372
	5.0 kW	KIT-50PT3ZH5	5.0	4.9/3.3	5.6	5.8/50	7.4 A++	4.8 A++	S-3650PT3E	235 x 960 x 690/26	U-50PZH3E5	695 x 875 x 320/42	2,588
	6.0 kW	KIT-60PT3ZH5	6.0	5.9/4.0	7.0	7.2/6.2	7.5 A++	4.8 A++	S-6071PT3E	235 x 1275 x 690/34	U-60PZH3E5	695 x 875 x 320/43	3,010
	7.1 kW	KIT-71PT3ZH45	6.8	8.1/6.0	8.0	8.0/6.8	7.3 A++	4.7 A++	S-6071PT3E	235 x 1275 x 690/34	U-71PZH4E5	996 x 980 x 370/66	3,517
	10.0 kW	KIT-100PT3ZH45	9.5	11.2/8.5	11.2	12.3/10.2	7.3 A++	4.5 A+	S-1014PT3E	235 x 1590 x 690/40	U-100PZH4E5	996 x 980 x 370/84	4,389
	12.5 kW	KIT-125PT3ZH45	12.1	12.5/9.5	14.0	14.2/11.9	278.4%	175.6%	S-1014PT3E	235 x 1590 x 690/40	U-125PZH4E5	996 x 980 x 370/86	4,706
	14.0 kW	KIT-140PT3ZH45	13.4	14.3/10.3	16.0	15.9/13.3	263.3%	169.3%	S-1014PT3E	235 x 1590 x 690/40	U-140PZH4E5	996 x 980 x 370/86	5,216
3ph	7.1 kW	KIT-71PT3ZH48	6.8	8.1/6.0	8.0	8.0/6.8	7.2 A++	4.7 A++	S-6071PT3E	235 x 1275 x 690/34	U-71PZH4E8	996 x 980 x 370/82	3,578
	10.0 kW	KIT-100PT3ZH48	9.5	11.2/8.5	11.2	12.3/10.2	7.2 A++	4.5 A+	S-1014PT3E	235 x 1590 x 690/40	U-100PZH4E8	996 x 980 x 370/84	4,431
	12.5 kW	KIT-125PT3ZH48	12.1	12.5/9.5	14.0	14.2/11.9	277.3%	175.6%	S-1014PT3E	235 x 1590 x 690/40	U-125PZH4E8	996 x 980 x 370/84	4,841
	14.0 kW	KIT-140PT3ZH48	13.4	14.3/10.3	16.0	15.9/13.3	262.4%	169.3%	S-1014PT3E	235 x 1590 x 690/40	U-140PZH4E8	996 x 980 x 370/84	5,585

Piping information								
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	¼-½	¼-½	¼-½	⅜-⅝	⅜-⅝	⅜-⅝	⅜-⅝
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	45	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	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.	mm²	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.

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 165 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [1]	SCOP / $\eta_{s,h}$ [1]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool kW	UK Total / Sensible kW	Heat kW	UK Total / at -7 °C kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PT3Z5	3.5	3.3/2.4	3.5	4.0/3.2	7.2 A++	4.4 A+	S-3650PT3E	235 x 960 x 690/26	U-36PZ3E5	619 x 824 x 299/32	1,984
	5.0 kW	KIT-50PT3Z5	5.0	4.8/3.2	5.0	5.6/4.6	6.7 A++	4.1 A+	S-3650PT3E	235 x 960 x 690/26	U-50PZ3E5	619 x 824 x 299/35	2,240
	6.0 kW	KIT-60PT3Z5	6.0	5.9/4.0	6.0	6.3/5.4	7.3 A++	4.6 A++	S-6071PT3E	235 x 1275 x 690/34	U-60PZ3E5A	695 x 875 x 320/42	2,513
	7.1 kW	KIT-71PT3Z5	6.8	6.5/4.3	6.8	7.1/5.8	5.9 A+	4.3 A+	S-6071PT3E	235 x 1275 x 690/34	U-71PZ3E5A	695 x 875 x 320/50	2,848
	10.0 kW	KIT-100PT3Z5	10.0	10.7/7.1	10.0	13.0/11.8	6.6 A++	4.2 A+	S-1014PT3E	235 x 1590 x 690/40	U-100PZ3E5	996 x 980 x 370/83	3,491
	12.5 kW	KIT-125PT3Z5	12.5	12.6/8.2	12.5	14.7/14.5	241.7%	147.4%	S-1014PT3E	235 x 1590 x 690/40	U-125PZ3E5	996 x 980 x 370/87	3,838
	14.0 kW	KIT-140PT3Z5	14.0	13.9/8.9	14.0	15.4/14.7	228.8%	145.3%	S-1014PT3E	235 x 1590 x 690/40	U-140PZ3E5	996 x 980 x 370/87	4,546
3ph	10.0 kW	KIT-100PT3Z8	10.0	10.7/7.1	10.0	13.0/11.8	6.5 A++	4.2 A+	S-1014PT3E	235 x 1590 x 690/40	U-100PZ3E8	996 x 980 x 370/83	3,601
	12.5 kW	KIT-125PT3Z8	12.5	12.6/8.2	12.5	14.7/14.5	240.9%	147.4%	S-1014PT3E	235 x 1590 x 690/40	U-125PZ3E8	996 x 980 x 370/87	3,905
	14.0 kW	KIT-140PT3Z8	14.0	13.9/8.9	14.0	15.4/14.7	228.1%	145.3%	S-1014PT3E	235 x 1590 x 690/40	U-140PZ3E8	996 x 980 x 370/87	4,581

Piping information								
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	¼-½	¼-½	¼-½	¼-⅝	⅜-⅝	⅜-⅝	⅜-⅝
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	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.	mm²	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.

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

PACi 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 165£ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [2]	SCOP / $\eta_{s,h}$ [2]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PF3ZH5	3.6	3.5/2.4	4.0	4.5/3.9	6.8 A++	4.5 A+	S-3650PF3E	250 x 800 x 730/25	U-36PZH3E5	695 x 875 x 320/42	2,382
	5.0 kW	KIT-50PF3ZH5	5.0	4.9/3.2	5.6	5.8/5.0	6.1 A++	4.2 A+	S-3650PF3E	250 x 800 x 730/25	U-50PZH3E5	695 x 875 x 320/42	2,598
	6.0 kW	KIT-60PF3ZH5	5.7	5.6/3.7	7.0	7.2/6.2	7.1 A++	4.4 A+	S-6071PF3E	250 x 1000 x 730/30	U-60PZH3E5	695 x 875 x 320/43	2,992
	7.1 kW	KIT-71PF3ZH45	6.8	7.1/5.5	7.5	8.0/6.8	7.1 A++	4.7 A++	S-6071PF3E	250 x 1000 x 730/30	U-71PZH4E5	996 x 980 x 370/66	3,499
	10.0 kW	KIT-100PF3ZH45	9.5	10.2/8.2	10.8	11.9/9.8	7.4 A++	4.3 A+	S-1014PF3E	250 x 1400 x 730/39	U-100PZH4E5	996 x 980 x 370/84	4,395
	12.5 kW	KIT-125PF3ZH45	12.1	12.1/9.3	13.5	13.6/11.4	281.7%	165.0%	S-1014PF3E	250 x 1400 x 730/39	U-125PZH4E5	996 x 980 x 370/86	4,712
	14.0 kW	KIT-140PF3ZH45	13.4	13.7/10.1	15.5	15.4/12.9	275.9%	162.6%	S-1014PF3E	250 x 1400 x 730/39	U-140PZH4E5	996 x 980 x 370/86	5,222
3ph	7.1 kW	KIT-71PF3ZH48	6.8	7.1/5.5	7.5	8.0/6.8	7.1 A++	4.7 A++	S-6071PF3E	250 x 1000 x 730/30	U-71PZH4E8	996 x 980 x 370/82	3,560
	10.0 kW	KIT-100PF3ZH48	9.5	10.2/8.2	10.8	11.9/9.8	7.4 A++	4.5 A+	S-1014PF3E	250 x 1400 x 730/39	U-100PZH4E8	996 x 980 x 370/84	4,437
	12.5 kW	KIT-125PF3ZH48	12.1	12.1/9.3	13.5	13.6/11.4	281.0%	165.0%	S-1014PF3E	250 x 1400 x 730/39	U-125PZH4E8	996 x 980 x 370/84	4,847
	14.0 kW	KIT-140PF3ZH48	13.4	13.7/10.1	15.5	15.4/12.9	275.2%	162.6%	S-1014PF3E	250 x 1400 x 730/39	U-140PZH4E8	996 x 980 x 370/84	5,591

Piping information								
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	¼-½	¼-½	¼-½	⅜-⅝	⅜-⅝	⅜-⅝	⅜-⅝
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	40	40

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.	mm²	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.

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 165 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [1]	SCOP / $\eta_{s,h}$ [1]		Dimension / Weight H x W x D		Dimension / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total / at -7 °C							
			kW	kW	kW	kW				mm / kg		mm / kg	£
1ph	3.6 kW	KIT-36PF3Z5	3.4	3.2/2.3	3.4	4.0/3.2	6.0 A+	4.0 A+	S-3650PF3E	250 x 800 x 730/25	U-36PZ3E5	619 x 824 x 299/32	1,994
	5.0 kW	KIT-50PF3Z5	5.0	4.8/3.1	5.0	5.2/4.3	6.5 A++	4.0 A+	S-3650PF3E	250 x 800 x 730/25	U-50PZ3E5	619 x 824 x 299/35	2,250
	6.0 kW	KIT-60PF3Z5	5.7	5.6/3.7	5.7	6.3/5.4	6.4 A++	4.4 A+	S-6071PF3E	250 x 1000 x 730/30	U-60PZ3E5A	695 x 875 x 320/42	2,495
	7.1 kW	KIT-71PF3Z5	6.8	6.5/4.2	6.8	7.1/5.8	6.0 A+	4.1 A+	S-6071PF3E	250 x 1000 x 730/30	U-71PZ3E5A	695 x 875 x 320/50	2,830
	10.0 kW	KIT-100PF3Z5	9.5	10.6/7.3	9.5	12.5/11.3	6.6 A++	3.9 A	S-1014PF3E	250 x 1400 x 730/39	U-100PZ3E5	996 x 980 x 370/83	3,497
	12.5 kW	KIT-125PF3Z5	12.1	12.6/8.2	12.1	14.7/14.5	257.4%	142.6%	S-1014PF3E	250 x 1400 x 730/39	U-125PZ3E5	996 x 980 x 370/87	3,844
	14.0 kW	KIT-140PF3Z5	13.4	13.9/9.0	13.4	15.4/14.7	252.2%	140.6%	S-1014PF3E	250 x 1400 x 730/39	U-140PZ3E5	996 x 980 x 370/87	4,552
3ph	10.0 kW	KIT-100PF3Z8	9.5	10.6/7.3	9.5	12.5/11.3	6.5 A++	3.9 A	S-1014PF3E	250 x 1400 x 730/39	U-100PZ3E8	996 x 980 x 370/83	3,607
	12.5 kW	KIT-125PF3Z8	12.1	12.6/8.2	12.1	14.7/14.5	256.2%	142.6%	S-1014PF3E	250 x 1400 x 730/39	U-125PZ3E8	996 x 980 x 370/87	3,911
	14.0 kW	KIT-140PF3Z8	13.4	13.9/9.0	13.4	15.4/14.7	251.4%	140.6%	S-1014PF3E	250 x 1400 x 730/39	U-140PZ3E8	996 x 980 x 370/87	4,587

Piping information								
Kit	kW	3,6	5,0	6,0	7,1	10,0	12,5	14,0
Piping diameter (liquid - gas)	Inch	¼-½	¼-½	¼-½	¼-⅝	⅜-⅝	⅜-⅝	⅜-⅝
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	20	20	25	25	35	40	40	16	16	16	
Connection in. / out.	mm²	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.

PACi NX Series

NEW 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.

New 2024

Kit (CZ-RTC5B remote controller XXX £ included)							Indoor unit			Outdoor unit			RRP
			Nominal capacity		$\eta_{s,c}$ [1]	$\eta_{s,h}$ [1]		Dimension H x W x D	Weight		Dimension [2] H x W x D	Weight	
			Cooling	Heating									
			kW	kW				mm	kg		mm	kg	£
3ph	20,0 kW	KIT-200PE4ZH8	19,0	22,4	237,8%	146,0%	S-200PE4E	486 x 1456 x 916	83	U-200PZH4E8	996 x 1140 x 460	109	7,619
	25,0 kW	KIT-250PE4ZH8	22,0	24,0	213,0%	145,0%	S-250PE4E	486 x 1456 x 916	87	U-250PZH4E8	996 x 1140 x 460	109	8,688

Piping information			
Kit	kW	20,0	25,0
Piping diameter (liquid - gas)	Inch	½ - ⅞	½ - ⅞
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	30	30
Connection in. / out.	mm²	—	—

1) 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) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port. * Available in Autumn 2024.

Big PACi

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

Easy pipe work with split-able hide-away indoor design.
High external static pressure, maximum 200 Pa setting.

Kit (CZ-RTC5B remote controller 165 £ included)									Indoor unit		Outdoor unit		RRP
			Nominal capacity				SEER / $\eta_{s,c}$ [1]	SCOP / $\eta_{s,h}$ [1]		Dimension / Weight H x W x D		Dimension [2] / Weight H x W x D	
			Cool	UK Total / Sensible	Heat	UK Total							
			kW	kW	kW	kW				mm / kg		mm / kg	£
3ph	20.0 kW	KIT-200PE3ZH8	19.5	20.8 / 14.0	22.4	24.41	207.0%	141.3%	S-200PE3E5B	486 x 1456 x 916 / 86	U-200PZH2E8	1500 x 980 x 370 / 117	7,633
	25.0 kW	KIT-250PE3ZH8	23.2	26.9 / 17.4	28.0	28.31	190.6%	142.7%	S-250PE3E5B	486 x 1456 x 916 / 88	U-250PZH2E8	1500 x 980 x 370 / 128	8,682

Piping information			
Kit	kW	20,0	25,0
Piping diameter (liquid - gas)	Inch	⅜ - 1 ⅛	½ - 1 ⅛
Pipe length range	m	5 ~ 90	5 ~ 60
Elevation difference (in / out) [3]	m	30	30
Pre-charged pipe length	m	30	30
Additional gas amount	g/m	60	80

Electrical information (power supply to outdoor)			
		Three phase	
Kit	kW	20,0	25,0
Recommended fuse	A	16	20
Connection in. / out.	mm²	—	—

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) Add 100 mm for indoor unit or 70 mm for outdoor unit for piping port. 3) Outdoor unit located lower / outdoor unit located higher. * No filter included.

CONEX. Devices and apps.

CONEX provides comfort and control for varying user needs. Accessible, flexible and scalable with different controllers and apps.

Model reference	Description	RRP £
CZ-RTC6W*	CONEX wired remote controller (nonwireless),white	165
CZ-RTC6WBL*	CONEX wired remote controller with Bluetooth®, white	195
CZ-RTC6WBLW*	CONEX wired remote controller with Wi-Fi and Bluetooth®, white	275
CZ-RTC6	CONEX wired remote controller (nonwireless),black	165
CZ-RTC6BL	CONEX wired remote controller with Bluetooth®, black	195
CZ-RTC6BLW	CONEX wired remote controller with Wi-Fi and Bluetooth®, black	275

Panasonic H&C Diagnosis App for service and installer.

Panasonic H&C Control App for end user, service and installer.

Panasonic Comfort Cloud App for end user.

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

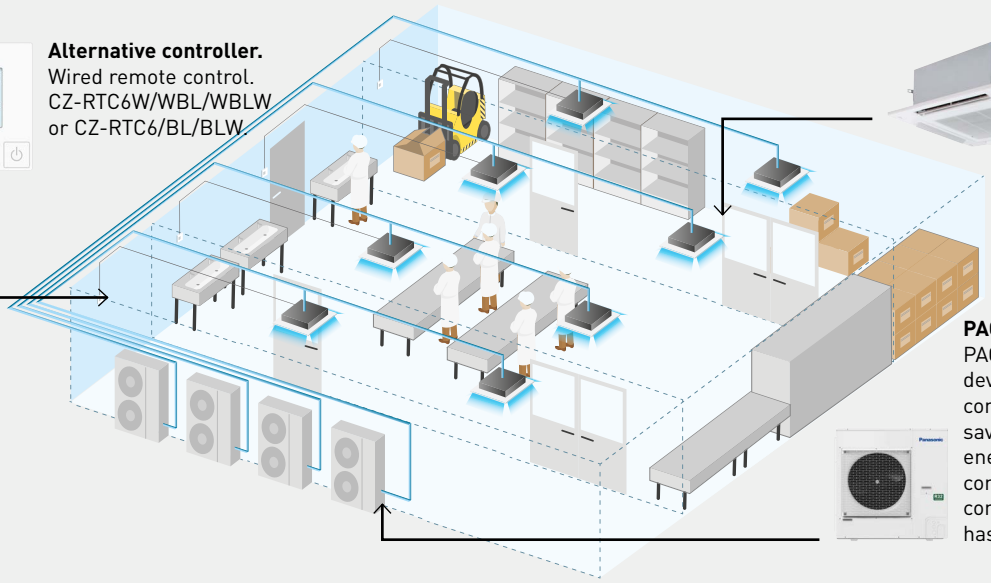
Flexibility with different types of indoor units.
nanoe™ X technology for better indoor air quality.
Redundancy support for up to 2 systems using the CONEX controller and up to 4 systems with the optional controller (PAW-PACR4).

Possible outdoor / indoor units combinations

	Single						Twin		
Cooling capacity*	**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	U-36PZH3E5	U-50PZH3E5	U-60PZH3E5	U-71PZH45/8	U-100PZH4E5/8	U-125PZH4E5/8	U-140PZH4E5/8	U-200PZH4E8	U-250PZH4E8
RRP £	**1,254**	**1,470**	**1,630**	**2,137 / 2,198**	**2,695 / 2,737**	**3,012 / 3,147**	**3,522 / 3,891**	**3,904**	**4,600**
Wall-mounted	S-6010PK3E	S-6010PK3E	S-6010PK3E	2×S-6010PK3E	2×S-6010PK3E	2×S-6010PK3E	2×S-6010PK3E	—	—
RRP £	**1,106**	**1,106**	**1,106**	**2,212**	**2,212**	**2,212**	**2,212**	**—**	**—**
4 way 90x90 cassette	S-6071PU3E	S-6071PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	S-1014PU3E	2×S-1014PU3E	2×S-1014PU3E	2×S-1014PU3E
RRP £	**972**	**972**	**1,074**	**1,074**	**1,074**	**1,074**	**2,148**	**2,148**	**2,148**
Ceiling	S-6071PT3E	S-6071PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	S-1014PT3E	2×S-1014PT3E	2×S-1014PT3E	2×S-1014PT3E
RRP £	**1,215**	**1,215**	**1,529**	**1,529**	**1,529**	**1,529**	**3,058**	**3,058**	**3,058**
Adaptive ducted unit	S-6071PF3E	S-6071PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	S-1014PF3E	2×S-1014PF3E	2×S-1014PF3E	2×S-1014PF3E
RRP £	**1,197**	**1,197**	**1,535**	**1,535**	**1,535**	**1,535**	**3,070**	**3,070**	**3,070**

* Under the condition with outdoor 35 °C (DB) and indoor 15 °C (WB). CZ-RTC6 remote inlcuded with KIT. Alternative controller CZ-RTC6BL/-BLW) must be used during commissioning.

Alternative controller.
Wired remote control.
CZ-RTC6W/WBL/WBLW
or CZ-RTC6/BL/BLW.



Wide range of indoor units.
To meet your needs.

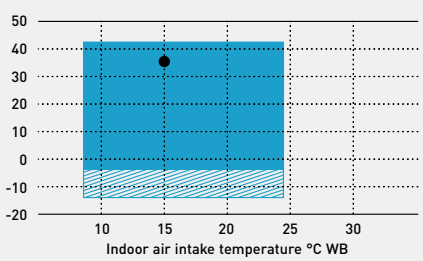
PACi NX outdoor unit.
PACi NX, the next generation of developed commercial air conditioning, with an energy-saving concept. The use of energy-saving designs in the construction of fans, fan motors, compressors and heat exchangers has resulted in a high SEER value.

Wine cellars and special high temperature rooms.

One of the main features of the PACi NX series is the possibility of adjusting the product for special applications, not just for regular cooling applications. The purpose of this product information is to explain in detail these special applications that need a cooling operation to maintain the room temperature at +8 ~ +24 °C WB (or +10 ~ +30 °C DB). In order to do this in terms of enthalpy, the indoor unit needs to be overdimensioned and certain parameters need to be adjustable.

Temperature range for wine cellar		
	Indoor	Outdoor
Cooling operation	+8 ~ +24 °C WB	-5 (-15) ~ 43 °C DB

Temperature range for wine cellar.
In cooling. Outdoor air intake temperature °C DB.



Only allowed after installation of wind and snow vents.

Area where cooling capacity is established for this purpose.

PACi NX Series Elite ceiling - PT3 · R32

For light refrigeration applications.

nanoe™ X as a standard.

Pricing includes CZ-RTC6 remote controller and any required branch pipes

				High temperature								
Kit				**36**	**50**	**60**	**71**	**100**	**125**	**140**	**200**	**250**
Indoor unit - 1				**S-6071PT3E**	**S-6071PT3E**	**S-1014PT3E**	**S-1014PT3E**	**S-1014PT3E**	**S-1014PT3E**	**S-1014PT3E**	**S-1014PT3E**	**S-1014PT3E**
Indoor unit - 2				**—**	**—**	**—**	**—**	**—**	**—**	**S-1014PT3E**	**S-1014PT3E**	**S-1014PT3E**
Outdoor unit				**U-36PZH3E5**	**U-50PZH3E5**	**U-60PZH3E5**	**U-71PZH4E5/8**	**U-100PZH4E5/8**	**U-125PZH4E5/8**	**U-140PZH3E5/8**	**U-200PZH2E8**	**U-250PZH2E8**
Outdoor 35 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,50	4,90	5,80	6,60	8,80	11,20	13,00	18,50	23,20
		EER		4,67	3,71	3,63	3,53	3,76	3,15	3,40	3,32	2,92
		Input power	kW	0,75	1,32	1,60	1,87	2,34	3,56	3,82	5,57	7,94
	Indoor 12 °C (WB)	Cooling capacity	kW	3,19	4,46	5,28	6,01	8,01	10,19	11,83	16,84	21,11
		EER		4,33	3,45	3,37	3,28	3,49	2,92	3,16	3,08	2,71
		Input power	kW	0,74	1,29	1,57	1,83	2,29	3,49	3,74	5,46	7,78
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	3,96	5,28	6,72	7,80	11,10	13,92
		EER		3,59	2,86	2,79	2,71	2,89	2,42	2,62	2,55	2,25
		Input power	kW	0,59	1,03	1,25	1,46	1,83	2,78	2,98	4,34	6,19
Outdoor 30 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,75	5,24	5,92	6,73	9,42	11,98	13,91	20,17	25,29
		EER		5,43	4,32	3,93	3,83	4,37	3,66	3,96	3,94	3,46
		Input power	kW	0,69	1,21	1,50	1,76	2,15	3,28	3,51	5,12	7,30
	Indoor 12 °C (WB)	Cooling capacity	kW	3,43	4,80	5,39	6,14	8,62	10,98	12,74	18,50	23,20
		EER		5,08	4,04	3,66	3,57	4,09	3,43	3,71	3,69	3,25
		Input power	kW	0,68	1,19	1,47	1,72	2,11	3,20	3,44	5,01	7,15
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	3,96	5,28	6,72	7,80	11,10	13,92
		EER		4,00	3,18	3,02	2,94	3,22	2,70	2,92	2,85	2,50
		Input power	kW	0,53	0,92	1,15	1,35	1,64	2,49	2,67	3,90	5,56
Indoor unit		Dimension (H x W x D)	mm	235x1275x690	235x1275x690	235x1590x690	235x1590x690	235x1590x690	235x1590x690	235x1590x690	235x1590x690	235x1590x690
		Net weight	kg	34	34	40	40	40	40	40	40	40
		nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit		Dimension (H x W x D)	mm	695x875x320	695x875x320	695x875x320	996x980x370	996x980x370	996x980x370	996x980x370	1500x980x370	1500x980x370
		Net weight	kg	42	42	43	66	84	86	86	117	128
RRP £				**2,634**	**2,850**	**3,324**	**3,831 / 3,892**	**4,389 / 4,431**	**4,706 / 4,841**	**6,849 / 7,218**	**7,299**	**7,995**

PACi NX Series Elite adaptive ducted unit - PF3 · R32

For light refrigeration applications.

nanoe™ X as a standard.

Pricing includes CZ-RTC6 remote controller and any required branch pipes

				High temperature								
Kit				**36**	**50**	**60**	**71**	**100**	**125**	**140**	**200**	**250**
Indoor unit - 1				**S-6071PF3E**	**S-6071PF3E**	**S-1014PF3E**	**S-1014PF3E**	**S-1014PF3E**	**S-1014PF3E**	**S-1014PF3E**	**S-1014PF3E**	**S-1014PF3E**
Indoor unit - 2				**—**	**—**	**—**	**—**	**—**	**—**	**S-1014PF3E**	**S-1014PF3E**	**S-1014PF3E**
Outdoor unit				**U-36PZH3E5**	**U-50PZH3E5**	**U-60PZH3E5**	**U-71PZH4E5/8**	**U-100PZH4E5/8**	**U-125PZH4E5/8**	**U-140PZH4E5/8**	**U-200PZH2E8**	**U-250PZH2E8**
Outdoor 35 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,50	4,90	5,80	6,60	8,80	11,20	13,00	18,50	23,20
		EER		3,98	3,20	3,52	3,37	3,79	3,21	3,59	3,50	3,08
		Input power	kW	0,88	1,53	1,65	1,96	2,32	3,49	3,62	5,29	7,54
	Indoor 12 °C (WB)	Cooling capacity	kW	3,19	4,46	5,28	6,01	8,01	10,19	11,83	16,84	21,11
		EER		3,69	2,97	3,26	3,13	3,52	2,98	3,33	3,25	2,86
		Input power	kW	0,86	1,50	1,62	1,92	2,27	3,42	3,55	5,18	7,39
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	3,96	5,28	6,72	7,80	11,10	13,92
		EER		3,06	2,46	2,70	2,59	2,92	2,47	2,76	2,69	2,37
		Input power	kW	0,69	1,19	1,29	1,53	1,81	2,72	2,82	4,13	5,88
Outdoor 30 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,75	5,24	5,92	6,73	9,42	11,98	13,91	20,17	25,29
		EER		4,63	3,72	3,81	3,65	4,41	3,73	4,18	4,14	3,65
		Input power	kW	0,81	1,41	1,55	1,84	2,13	3,21	3,33	4,87	6,94
	Indoor 12 °C (WB)	Cooling capacity	kW	3,43	4,80	5,39	6,14	8,62	10,98	12,74	18,50	23,20
		EER		4,33	3,49	3,55	3,40	4,13	3,49	3,91	3,89	3,42
		Input power	kW	0,79	1,38	1,52	1,80	2,09	3,14	3,26	4,76	6,79
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	3,96	5,28	6,72	7,80	11,10	13,92
		EER		3,41	2,75	2,93	2,81	3,25	2,75	3,08	3,00	2,64
		Input power	kW	0,62	1,07	1,19	1,41	1,62	2,44	2,53	3,70	5,28
Indoor unit		Dimension (H x W x D)	mm	250x1000x730	250x1000x730	250x1000x730	250x1400x730	250x1400x730	250x1400x730	250x1400x730	250x1400x730	250x1400x730
		Net weight	kg	30	30	30	39	39	39	39	39	39
		nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit		Dimension (H x W x D)	mm	695x875x320	695x875x320	695x875x320	996x980x370	996x980x370	996x980x370	996x980x370	1500x980x370	1500x980x370
		Net weight	kg	42	42	43	66	84	86	84	117	128
RRP £				**2,616**	**2,832**	**3,330**	**3,837 / 3,898**	**4,395 / 4,437**	**4,712 / 4,847**	**6,861 / 7,230**	**6,974**	**7,670**

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

For light refrigeration applications.

nanoe™ X as a standard.

Pricing includes CZ-RTC6 remote controller and any required branch pipes

				High temperature								
Kit				**36**	**50**	**60**	**71**	**100**	**125**	**140**	**200**	**250**
Indoor unit - 1				**S-6071PU3E**	**S-6071PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**
Indoor unit - 2				**—**	**—**	**—**	**—**	**—**	**—**	**S-1014PU3E**	**S-1014PU3E**	**S-1014PU3E**
Outdoor unit				**U-36PZH3E5**	**U-50PZH3E5**	**U-60PZH3E5**	**U-71PZH4E5/8**	**U-100PZH4E5/8**	**U-125PZH4E5/8**	**U-140PZH4E5/8**	**U-200PZH2E8**	**U-250PZH2E8**
Outdoor 35 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,50	4,90	5,80	6,90	8,80	11,60	13,00	18,50	23,20
		EER		5,12	4,05	3,81	3,67	4,09	3,47	3,82	3,38	2,97
		Input power	kW	0,68	1,21	1,52	1,88	2,15	3,34	3,40	5,48	7,82
	Indoor 12 °C (WB)	Cooling capacity	kW	3,19	4,46	5,28	6,28	8,01	10,56	11,83	16,84	21,11
		EER		4,78	3,76	3,54	3,41	3,80	3,22	3,55	3,13	2,75
		Input power	kW	0,67	1,19	1,49	1,84	2,11	3,27	3,33	5,37	7,66
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	4,14	5,28	6,96	7,80	11,10	13,92
		EER		3,96	3,12	2,94	2,82	3,15	2,67	2,94	2,60	2,28
		Input power	kW	0,53	0,94	1,19	1,47	1,68	2,61	2,65	4,27	6,10
Outdoor 30 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,75	5,24	5,92	7,04	9,42	12,41	13,91	20,17	25,29
		EER		5,99	4,71	4,14	3,98	4,76	4,04	4,45	4,00	3,51
		Input power	kW	0,63	1,11	1,43	1,77	1,98	3,07	3,13	5,04	7,19
	Indoor 12 °C (WB)	Cooling capacity	kW	3,43	4,80	5,39	6,42	8,62	12,41	12,74	18,50	23,20
		EER		5,60	4,41	3,86	3,71	4,46	4,04	4,16	3,75	3,30
		Input power	kW	0,61	1,09	1,40	1,73	1,94	3,07	3,06	4,93	7,04
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	4,14	5,28	6,96	7,80	11,10	13,92
		EER		4,41	3,47	3,18	3,06	3,51	2,98	3,28	2,89	2,54
		Input power	kW	0,48	0,85	1,09	1,35	1,51	2,34	2,38	3,84	5,47
Indoor unit		Dimension (H x W x D)	mm	256x840x840	256x840x840	256x840x840	319x840x840	319x840x840	319x840x840	319x840x840	319x840x840	319x840x840
		Net weight	kg	19	19	20	25	25	25	25	25	25
		nanoe X Generator		Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1	Mark 1
Outdoor unit		Dimension (H x W x D)	mm	695x875x320	695x875x320	695x875x320	996x980x370	996x980x370	996x980x370	996x980x370	1500x980x370	1500x980x370
		Net weight	kg	42	42	43	66	84	86	86	117	128
RRP £				**2,623**	**2,839**	**3,101**	**3,608 / 3,669**	**4,166 / 4,208**	**4,483 / 4,618**	**6,403 / 6,772**	**6,853**	**7,549**

PACi NX Series Elite wall-mounted - PK3 · R32

For light refrigeration applications.

nanoe™ X as a standard.

Pricing includes CZ-RTC6 remote controller and any required branch pipes

				High temperature						
Kit				**36**	**50**	**60**	**71**	**100**	**125**	**140**
Indoor unit - 1				**S-6010PK3E**	**S-6010PK3E**	**S-6010PK3E**	**S-6010PK3Ex2**	**S-6010PK3E**	**S-6010PK3E**	**S-6010PK3E**
Indoor unit - 2								**S-6010PK3E**	**S-6010PK3E**	**S-6010PK3E**
Outdoor unit				**U-36PZH3E5**	**U-50PZH3E5**	**U-60PZH3E5**	**U-71PZH4E5/8**	**U-100PZH4E5/8**	**U-125PZH4E5/8**	**U-140PZH4E5/8**
Outdoor 35 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,50	4,90	5,80	6,90	8,80	11,60	13,00
		EER		4,55	3,83	3,56	3,17	2,97	3,06	3,34
		Input power	kW	0,77	1,28	1,63	2,18	2,96	3,79	3,89
	Indoor 12 °C (WB)	Cooling capacity	kW	3,19	4,46	5,28	6,28	8,01	10,56	11,83
		EER		4,22	3,55	3,30	2,94	2,76	2,84	3,10
		Input power	kW	0,75	1,25	1,60	2,14	2,90	3,71	3,81
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,27	4,14	5,28	6,96	7,80
		EER		3,50	2,94	2,14	2,44	2,28	2,35	2,57
		Input power	kW	0,60	1,00	1,52	1,70	2,31	2,96	3,03
Outdoor 30 °C (DB)	Indoor 15 °C (WB)	Cooling capacity	kW	3,75	5,24	5,92	7,04	9,42	12,41	13,91
		EER		5,29	4,45	3,86	3,44	3,45	3,56	3,88
		Input power	kW	0,71	1,18	1,53	2,05	2,72	3,49	3,58
	Indoor 12 °C (WB)	Cooling capacity	kW	3,43	4,80	5,39	6,42	8,62	11,37	12,74
		EER		4,95	4,17	3,60	3,20	3,23	3,33	3,64
		Input power	kW	0,69	1,15	1,50	2,01	2,66	3,41	3,50
	Indoor 8 °C (WB)	Cooling capacity	kW	2,10	2,94	3,48	4,14	5,28	6,96	7,80
		EER		3,90	3,28	2,97	2,64	2,55	2,62	2,86
		Input power	kW	0,54	0,90	1,17	1,57	2,16	2,65	2,72
Indoor unit		Dimension (H x W x D)	mm	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236	302 x 1120 x 236
		Net weight	kg	14	14	14	14	14	14	14
		nanoe X Generator		Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2	Mark 2
Outdoor unit		Dimension (H x W x D)	mm	695 x 875 x 320	695 x 875 x 320	695 x 875 x 320	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370	996 x 980 x 370
		Net weight	kg	42	42	43	66	84	86	86
RRP £				**2,425**	**2,741**	**2,901**	**4,618 /4,679**	**5,176 / 5,218**	**5,493 / 5,628**	**6,003 / 6,372**

Panasonic PACi with Water Heat Exchanger

PACi with Water Heat Exchanger for chilled and hot water production

Constant 55 °C flow available.
A+++ energy efficiency class (scale from A+++ to D).
Compatible with R32 PACi.

Water Heat Exchanger									Outdoor unit				RRP
		Nominal capacity		Heating energy efficiency class [3]		$n_{s,h}$ (LOT1) [4]	Dimension	Weight		Dimension	Weight	Water Heat Exchanger	Outdoor
		Cooling [1]	Heating [2]	35 °C	55 °C		H x W x D			H x W x D			
		kW	kW	A+++ to D	A+++ to D		mm	kg		mm	kg	£	£
1ph	PAW-200W5APAC-1	20,0	26,5	A+++	A+	178%	550 x 455 x 205	27	U-200PZH2E8	1500 x 980 x 370	117	4,321	3,904
	PAW-250W5APAC-1	26,0	31,6	A+++	A+	178%	550 x 455 x 205	27	U-250PZH2E8	1500 x 980 x 370	128	4,682	4,600

Piping information			
Kit	kW	20,0	25,0
Piping diameter (liquid - gas)	Inch	⅜ - 1 ⅛	½ - 1 ⅛
Pipe length range	m	5 ~ 90	5 ~ 60
Elevation difference (in / out)	m	30	30
Pre-charged pipe length	m	30	30
Additional gas amount	g/m	60	80

Electrical information (power supply to outdoor)			
		Three phase	
Kit	kW	20,0	25,0
Recommended fuse	A	16	20

1) Data refers to 7 °C leaving chilled water temperature and 35 °C ambient air temperature, according to EN14511 standard. 2) Data refers to 35 °C leaving warm water temperature and 7 °C ambient air temperature according to EN14511 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.

Smart multi-site control solution.

Panasonic AC Smart Cloud

Panasonic AC Service Cloud

Modern and scalable energy management for your Heating & Cooling Solutions.
The smart multi-site control solution allows you to have complete control of all your installations. With a simple click, all your units from several locations, receive status updates in real-time preventing breakdowns and optimising costs.

Installation.
Easy installation and configuration.

Connectivity.
A standard LAN connection with internet access (fibre or mobile).

Reliability.
24/7/365 days connection.

Use.
Real-time control from anywhere.

Roles and permission.
Easily configure different access roles for each user.

Security.
Highly secure communication and complaint with GDPR.

DETAILED REFERENCES IS IN PAGE 75

Commercial twin, triple and double-twin systems

Outdoor units PACi 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
				Cooling	Heating	H x W x D		
			Series	kW	kW	mm	kg	£
1ph	7,1 kW	U-71PZH4E5	PACi NX	7,1	8,0	996 x 980 x 370	66	2,137
	10,0 kW	U-100PZH4E5	PACi NX	9,5	11,2	996 x 980 x 370	84	2,695
	12,5 kW	U-125PZH4E5	PACi NX	12,5	14,0	996 x 980 x 370	98	3,012
	14,0 kW	U-140PZH4E5	PACi NX	13,4	16,0	996 x 980 x 370	98	3,522
3ph	7,1 kW	U-71PZH4E8	PACi NX	6,8	8,0	996 x 980 x 370	66	2,198
	10,0 kW	U-100PZH4E8	PACi NX	9,5	11,2	996 x 980 x 370	84	2,737
	12,5 kW	U-125PZH4E8	PACi NX	12,1	14,0	996 x 980 x 370	98	3,147
	14,0 kW	U-140PZH4E8	PACi NX	13,4	16,0	996 x 980 x 370	98	3,891
	20,0 kW	U-200PZH4E8	Big PACi NX	19,0	22,4	996 x 1140 x 460	109	3,983
	25,0 kW	U-250PZH4E8	Big PACi NX	22,0	24,0	996 x 1140 x 460	109	4,692
	20,0 kW	U-200PZH2E8	Big PACi	20,0	22,4	1500 x 980 x 370	117	3,904
	25,0 kW	U-250PZH2E8	Big PACi	25,0	28,0	1500 x 980 x 370	128	3,917

Piping information

Outdoor unit	kW	7,1	10,0	12,5	14,0	20,0	25,0	20,0 [2]	25,0 [2]
Piping diameter (liquid - gas)	Inch	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	3/8 - 5/8	½ - ⅞	½ - ⅞	3/8 - 1 1/8	1/2 - 1 1/8
Pipe length range	m	5 ~ 60	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 100	5 ~ 90	5 ~ 60
Elevation difference (in / out)	m	15 / 30 [3]	15 / 30 [3]	15 / 30 [3]	15 / 30 [3]	30	30	30	30
Pre-charged pipe length	m	30	30	30	30	30	30	30	30
Additional gas amount	g/m	45	45	45	45	80	80	60	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	20,0	25,0	20,0 [2]	25,0 [2]
Recommended fuse	A	16	16	16	16	30	30	16	20
Connection in. / out.	mm²	4x2,5				—	—	—	—

PACi Elite from 7,1 to 25,0 kW simultaneous operation system combinations · R32

Outdoor	7,1 kW	10,0 kW	12,5 kW	14,0 kW	20,0 kW	25,0 kW
Twin	U-71 (S-3650 + S-3650)	U-100 (S-3650 + S-3650)	U-125 (S-6071 + S-6071) U-125 (S-6010 + S-6010)	U-140 (S-6071 + S-6071) U-140 (S-6010 + S-6010)	U-200 (S-1014 + S-1014)	U-250 (S-1014 + S-1014)
Triple	U-71 (S-25 + S-25 + S-25)	U-100 (S-3650 + S-3650 + S-3650)	U-125 (S-3650 + S-3650 + S-3650)	U-140 (S-3650 + S-3650 + S-3650)	U-200 (S-6071 + S-6071 + S-6071)	—
Double-twin	—	U-100 (S-25 + S-25 + S-25 + S-25)	U-125 (S-3650 + S-3650 + S-3650 + S-3650)	—	U-200 (S-3650 + S-3650 + S-3650 + S-3650)	U-250 (S-6071 + S-6071 + S-6071 + S-6071)

1) With 4 way 90x90 cassette. 2) Data for Big PACi. 3) Outdoor unit located lower / outdoor unit located higher.

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
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	10,0 kW	U-100PZ3E5	10,0	10,0	996 x 980 x 370	83	1,797
	12,5 kW	U-125PZ3E5	12,5	12,5	996 x 980 x 370	87	2,144
	14,0 kW	U-140PZ3E5	14,0	14,0	996 x 980 x 370	87	2,852
3ph	10,0 kW	U-100PZ3E8	10,0	10,0	996 x 980 x 370	83	1,907
	12,5 kW	U-125PZ3E8	12,5	12,5	996 x 980 x 370	87	2,211
	14,0 kW	U-140PZ3E8	14,0	14,0	996 x 980 x 370	87	2,887

Piping information

Outdoor unit	kW	7,1	10,0	12,5
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	45	45

Electrical information (power supply to outdoor)

		Single phase			Three phase		
Outdoor unit	kW	10,0	12,5	14,0	10,0	12,5	14,0
Recommended fuse	A	35	40	40	16	16	16
Connection in. / out.	mm²	4x2,5			4x2,5		

PACi NX Standard from 7,1 to 14,0 kW simultaneous operation system combinations · R32

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-6010 + S-6010)	U-140 (S-6071 + S-6071) - U-140 (S-6010 + S-6010)

1) With 4 way 90x90 cassette. 2) Outdoor unit located lower / outdoor unit located higher.

Compatible indoor units for multi combinations

Indoor units Commercial twin, triple and double-twin systems · R32

nanoe™ X

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

Wall-mounted - PK3			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	3,6 - 5,0 kW	S-3650PK3E	3,6 - 5,0	4,0 - 5,6	302 x 1120 x 236	13	833
1ph	6,0 - 7,1 kW	S-6010PK3E	6,1 - 7,1	7,0 - 8,0	302 x 1120 x 236	14	1,106
1ph	10,0 kW	S-6010PK3E	9,5	9,5	302 x 1120 x 236	14	1,106

4 way 60x60 cassette - PY3			Nominal capacity		Dimension (indoor)	Weight (indoor)	Dimension (panel)	Weight (panel)	RRP	
			Cooling	Heating	H x W x D		H x W x D		Indoor	Panel
			kW	kW	mm	kg	mm	kg	£	£
1ph	2,5 kW	S-25PY3E	2,5	3,2	243 x 575 x 575	15	30 x 625 x 625	2,8	702	255
1ph	3,6 kW	S-36PY3E	3,6	4,0	243 x 575 x 575	15	30 x 625 x 625	2,8	744	255
1ph	5,0 kW	S-50PY3E	5,0	5,6	243 x 575 x 575	15	30 x 625 x 625	2,8	844	255
1ph	6,0 kW	S-60PY3E	6,0	7,0	243 x 575 x 575	15	30 x 625 x 625	2,8	1,031	255

4 way 90x90 cassette - PU3 (panels CZ-KPU3W / CZ-KPU3AW)			Nominal capacity		Dimension (indoor)	Weight (indoor)	Dimension (panel)	Weight (panel)	RRP		
			Cooling	Heating	H x W x D		H x W x D		Indoor	Panel 3W	Panel 3AW
			kW	kW	mm	kg	mm	kg	£	£	£
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	636	232	315
1ph	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	972	232	315
1ph	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	1,074	232	315
1ph	14.0 kW	S-1014PU3E	14,0	16,0	319 x 840 x 840	25	33,5 x 950 x 950	5	1,074	232	315

Ceiling - PT3			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	3,6 - 5,0 kW	S-3650PT3E	3,5 - 5,0	4,0 - 5,6	235 x 960 x 690	26	953
1ph	6,0 - 7,1 kW	S-6071PT3E	6,0 - 6,8	7,0 - 8,0	235 x 1275 x 690	34	1,215
1ph	10,0 - 12,5 kW	S-1014PT3E	9,5 - 12,1	11,2 - 14,0	235 x 1590 x 690	40	1,529
1ph	14,0 kW	S-1014PT3E	13,4	16,0	235 x 1590 x 690	40	1,529

Adaptive ducted unit - PF3			Nominal capacity		Dimension	Weight	External static pressure	RRP
			Cooling	Heating	H x W x D		Nominal (Min - Max)	
			kW	kW	mm	kg	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)	963
1ph	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)	1,197
1ph	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)	1,535
1ph	14,0 kW	S-1014PF3E	13,4	15,5	250 x 1400 x 730	39	50 (10 - 150)	1,535

* The data shown in these tables are based on PACi NX Elite 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.

Drain kits			RRP £
	Drain kit to suit outdoor units from 5,0 to 7,1 kW.	CZ-50DRS1	22
	Drain kit to suit outdoor units from 10,0 to 25 kW.	CZ-140DRS1	28

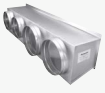
Branch Pipes, Header			RRP £
	Branch pipe.	CZ-P224BK2BM	104
	Branch pipe (from 22,4 kW to 68 kW).	CZ-P680BK2BM	172
	Header.	CZ-P3HPC2BM	147

Outdoor accessories			RRP £
	Tray for condenser water compatible with outdoor elevation platform.	PAW-WTRAY	151
	Outdoor elevation platform. Dimension (H x W x D): 400 x 900 x 400 mm	PAW-GRDSTD40	151
	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	139

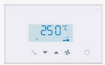
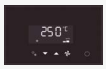
Panels			RRP £
	Panel for 4 way 60x60 cassette - PY3.	CZ-KPY4	255
	Standard panel for 4 way 90x90 cassette.	CZ-KPU3W	232
	Econavi panel for 4 way 90x90 cassette.	CZ-KPU3AW	315

Sensors			RRP £
	Econavi energy saving sensor.	CZ-CENSC1	172
	Remote temperature sensor.	CZ-CSRC3	124
	Fresh air-intake kit.	CZ-FDU3+CZ-ATU2	TBC

NEW IAQ filter for adaptive ducted unit			RRP £
	BION air pollutant filter for S-3650PF3E.	PAW-APF800F	TBC
	BION air pollutant filter for S-6071PF3E.	PAW-APF1000F	TBC
	BION air pollutant filter for S-1014PF3E.	PAW-APF1400F	TBC

Plenums			RRP £
	Air outlet plenum for S-3650PF3E.	CZ-56DAF2	195
	Air outlet plenum for S-6071PF3E.	CZ-90DAF2	239
	Air outlet plenum for S-1014PF3E.	CZ-160DAF2	275
	Air outlet plenum for S-200PE4E and S-200PE3E5B.	CZ-TREMIESPW705	825
	Air outlet plenum for S-200PE4E and S-200PE3E5B.	CZ-TREMIESPW706	TBC

VRF Smart Connectivity+			RRP £
	Remote controller Panasonic Net Con, RH, No PIR, R1/R2.	SER8150R0B1194	584
	Remote controller Panasonic Net Con, RH, PIR, R1/R2.	SER8150R5B1194	623
	Wireless ZigBee® Pro module / Green Com card.	VCM8000V5094P	211
	Hotel room expansion module 14 indoor units.	HRCEP14R	372
	Hotel room controller 28 indoor units.	HRCPBG28R	984
	Hotel room controller w/Display 42 indoor units.	HRCPDG42R	1255
	Door / window wireless sensor.	SED-WDC-G-5045	240
	Wall / ceiling (motion) wireless sensor.	SED-MTH-G-5045	293
	CO_2 sensor.	SED-CO2-G-5045	753
	Sensor with room temperature and humidity.	SED-TRH-G-5045	237
	Water leakage sensor.	SED-WLS-G-5045	230
	Cover frame. Silver. For SER8150 series controllers	FAS-00	49
	Cover frame. White. For SER8150 series controllers	FAS-01	49
	Cover frame. Glossy translucent white. For SER8150 series controllers	FAS-03	87
	Cover frame. Light tan wood. For SER8150 series controllers	FAS-05	68
	Cover frame. Dark brown wood. For SER8150 series controllers	FAS-06	68
	Cover frame. Dark black wood. For SER8150 series controllers	FAS-07	68
	Cover frame. Brushed steel finish. For SER8150 series controllers	FAS-10	87

Controller and touch controllers for hotels with dry contacts			RRP £
	Modbus RS-485 touch room controller with I/O, white.	PAW-RE2C4-MOD-WH	502
	Touch display control with 2 digital inputs, white.	PAW-RE2D4-WH	306
	Modbus RS-485 touch room controller with I/O, black.	PAW-RE2C4-MOD-BK	502
	Touch display control with 2 digital inputs, black.	PAW-RE2D4-BK	306

Hotel sensors for dry contacts			RRP £
	Wall motion sensor 24 V.	PAW-WMS-DC	211
	Wall motion sensor 240 V AC.	PAW-WMS-AC	211
	Ceiling motion sensor 24 V.	PAW-CMS-DC	211
	Ceiling motion sensor 240 V AC.	PAW-CMS-AC	211
	Power supply 24 V.	PAW-24DC	68
	Door or window contact.	PAW-DWC	23

Centralised controls		RRP £
 System controller for 64 indoor units with weekly timer.	CZ-64ESMC3	862
 Central ON / OFF controller, up to 16 groups, 64 indoor units.	CZ-ANC3	584
 Intelligent controller (touch screen/web server) to control up to 256 indoors with included load distribution ratio (LDR).	CZ-256ESMC3	3,229
Panasonic AC Smart Cloud		RRP £
 Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units. Detailed references is in page 75.	CZ-CFUSCC1	488
NEW 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	2,519
A unified interface supporting Modbus, BACnet, and KNX protocols for up to 64 indoor units.	PAW-AC2-BMS-64	3,615
A unified interface supporting Modbus, BACnet, and KNX protocols for up to 128 indoor units.	PAW-AC2-BMS-128	4,840
Accessories interfaces		RRP £
 Commercial Wi-Fi Adaptor.	CZ-CAPWFC1	189
 KNX interface (Intesis).	PAW-RC2-KNX-1i	392
 Modbus RTU interface (Intesis).	PAW-RC2-MBS-1	392
 Modbus RTU interface to control 4 indoor/groups (Intesis).	PAW-RC2-MBS-4	907
 BACnet IP and MSTP interface (Intesis).	PAW-RC2-BAC-1	648
 KNX interface (Airzone).	PAW-AZRC-KNX-1	334
 Modbus RTU interface (Airzone).	PAW-AZRC-MBS-1	334
 BACnet IP and MSTP interface (Airzone).	PAW-AZRC-BAC-1	609
 RAC interface adapter for integration into S-Link, plus external input and alarm/status output (for YKEA units).	CZ-CAPRA1	186
Centralised controls. Connection with general equipment		RRP £
 Adaptor for ON / OFF control of external devices.	CZ-CAPC3	372
 Demand control for Mini ECOi and PACi outdoor units.	CZ-CAPDC3	670
 Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.	CZ-CAPBC2	311
 Communication Adaptor. Up to 128 groups. Controls 128 units.	CZ-CFUNC2	1,358

Individual controls		RRP £
 CONEX wired remote controller (non-wireless), white.	CZ-RTC6W [1]	165
 CONEX wired remote controller with Bluetooth®, white.	CZ-RTC6WBL [1]	195
 CONEX wired remote controller with Wi-Fi and Bluetooth®, white.	CZ-RTC6WBLW [1] [2]	275
 CONEX wired remote controller (non-wireless), black.	CZ-RTC6	165
 CONEX wired remote controller with Bluetooth®, black.	CZ-RTC6BL	195
 CONEX wired remote controller with Wi-Fi and Bluetooth®, black.	CZ-RTC6BLW	275
 Design wired remote controller with Econavi function and datanavi.	CZ-RTC5B	165
 Infrared remote controller for wall-mounted.	CZ-RWS3	124
 Infrared remote controller and receiver for 4 way 60x60 cassette - PY3 with panel.	CZ-RWS3 + CZ-RWRY3	246
 Infrared remote controller and receiver for 4 way 90x90 cassette.	CZ-RWS3 + CZ-RWRU3W	315
 Infrared remote controller and receiver for ceiling.	CZ-RWS3 + CZ-RWRT3	315
 Infrared remote controller and receiver for all indoor units.	CZ-RWS3 + CZ-RWRC3	315
Accessories PCB		RRP £
 T10 interface PCB with digital and relay connections.	PAW-T10	115
 PCB for server room application, control up to 4 indoor unit groups, redundancy, back-up, etc.	PAW-PACR4	1,965
 Connector to PACi NX indoor unit's PCB to provide OPT functions.	PAW-OPT-NX	30
 Redundancy of 2 units YKEA.	PAW-SERVER-PKEA-1	TBC
Accessories cables		RRP £
 Cable for all the T10 functions.	CZ-T10	56
 Cable to operate external EC fan.	PAW-FDC	56
 Cable for all option monitoring signals.	PAW-OCT	56
 Cable with force thermo OFF/leakage detection.	PAW-EXCT	56

Commercial VRF Systems

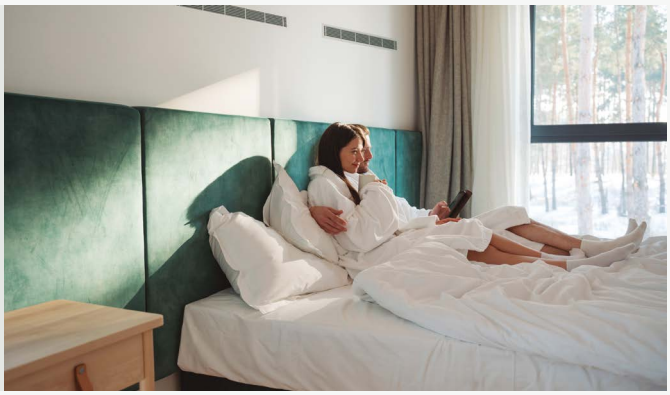
Panasonic VRF Systems are specifically designed for energy saving, easy installation and high efficiency performance. A wide range of outdoor and indoor unit models offer unique features which are designed for the most demanding offices and large buildings.

ECO i EX / ECO i / ECO G

New **2024**

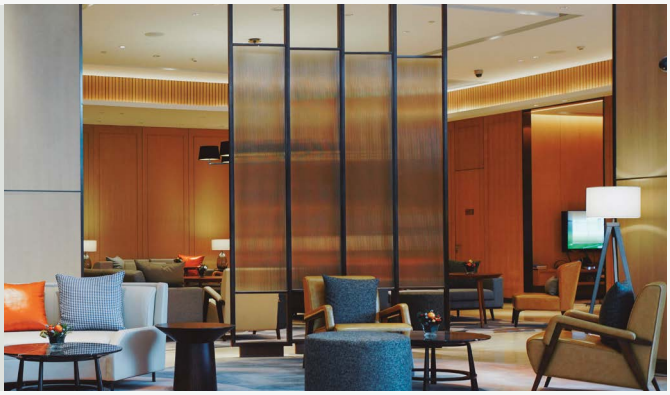
New BION air pollutant filter.

IAQ solution filtering certain types of pollutants, such as nitrogen dioxide (NO_2), nitrogen oxides (NO_X) and ozone (O_3). Designed for the F3 type adaptive duct.



New 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



Mini ECOi LZ2 Series R32 and Pump Down System.

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

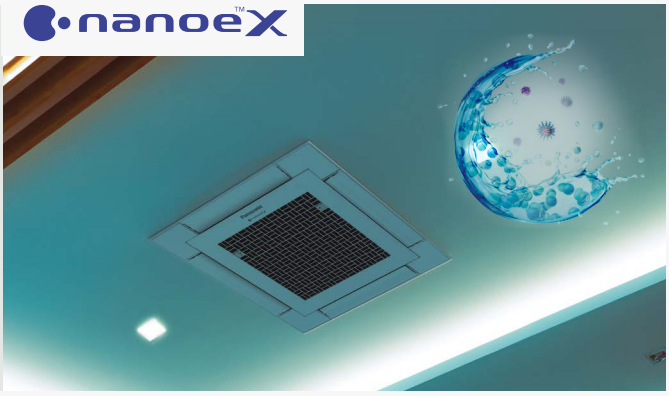
- Low GWP and less refrigerant
- SEER up to 8.50 and SCOP levels up to 5.05 [1)]
- Operation range down to -20 °C in heating and up to 52 °C in cooling
- Optional Panasonic R32 refrigerant leak detector available

1) 4 HP model.

New Y3 / U2 / F3 indoor units with upgraded nanoe™ X · R32 / R410A.

- Better indoor air quality with nanoe™ X Mark 3
- Quick effect in even large space
- 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 organization] 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.



Hydraulic solution for VRF projects.

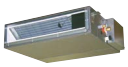
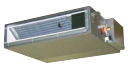
- Water heat exchanger for chilled and hot water production. It's ideal for hotel project
- PRO-HT DHW tank for the demand of high temperature hot water
- Hydrokit for the medium water temperature application

Electricity or Gas or Hybrid? Various VRF technologies satisfy your project needs.

- VRF ECOi EX series with high seasonal performance and flexibility
- Gas driven VRF, ECO G series for the project location with lack of electricity
- Hybrid GHP/EHP taking advantage of gas and electricity to achieve better energy savings

Page	Outdoor units	4 HP	5 HP	6 HP	8 HP	10 HP	12 HP
P. 58	R32 REFRIGERANT **Mini ECOi LZ2 Series · R32**	 U-4LZ2E5 / U-4LZ2E8	 U-5LZ2E5 / U-5LZ2E8	 U-6LZ2E5 / U-6LZ2E8	 U-8LZ2E8	 U-10LZ2E8	
P. 59	**Mini ECOi LE2 / LE1 Series · R410A**	 U-4LE2E5 / U-4LE2E8	 U-5LE2E5 / U-5LE2E8	 U-6LE2E5 / U-6LE2E8	 U-8LE1E8	 U-10LE1E8	
P. 61	**2-Pipe ECOi EX ME2 Series · R410A**				 U-8ME2E8	 U-10ME2E8	 U-12ME2E8
P. 63	**3-Pipe ECOi EX MF3 Series · R410A**				 U-8MF3E8	 U-10MF3E8	 U-12MF3E8
P. 65	**2-Pipe ECO G GE3 Series · R410A**						
P. 65	**3-Pipe ECO G GF3 Series · R410A**						
P. 65	**GHP/EHP Hybrid System · R410A**						

14 HP	16 HP	18 HP	20 HP	25 HP	30 HP
 U-14ME2E8	 U-16ME2E8	 U-18ME2E8	 U-20ME2E8		
 U-14MF3E8	 U-16MF3E8				
	 U-16GE3E5		 U-20GE3E5	 U-25GE3E5	 U-30GE3E5
	 U-16GF3E5		 U-20GF3E5	 U-25GF3E5	
					 U-20GES3E5 / U-10MES2E8

Page	Indoor units	1,5 kW	2,2 kW	2,8 kW	3,6 kW	4,5 kW	5,6 kW
P. 66	Y3 type 4 way 60x60 cassette · R32 / R410A	 S-15MY3E	 S-22MY3E	 S-28MY3E	 S-36MY3E	 S-45MY3E	 S-56MY3E
P. 66	U2 type 4 way 90x90 cassette · R32 / R410A		 S-22MU2E5BN	 S-28MU2E5BN	 S-36MU2E5BN	 S-45MU2E5BN	 S-56MU2E5BN
P. 66	L1 type 2 way cassette · R410A		 S-22ML1E5	 S-28ML1E5	 S-36ML1E5	 S-45ML1E5	 S- 56ML1E5
P. 67	D1 type 1 way cassette · R410A			 S-28MD1E5	 S-36MD1E5	 S-45MD1E5	 S-56MD1E5
P. 67	F3 type variable static pressure adaptive duct · R32 / R410A	 S-15MF3E5BN S-15MF3E5AN	 S-22MF3E5BN S-22MF3E5AN	 S-28MF3E5BN S-28MF3E5AN	 S-36MF3E5BN S-36MF3E5AN	 S-45MF3E5BN S-45MF3E5AN	 S-56MF3E5BN S-56MF3E5AN
P. 68	M1 type slim variable static pressure hide-away · R32 / R410A	 S-15MM1E5B	 S-22MM1E5B	 S-28MM1E5B	 S-36MM1E5B	 S-45MM1E5B	 S-56MM1E5B
P. 68	E2 type high static pressure hide-away · R410A						
P. 69	NEW energy recovery ventilation with DX coil - HRPT Series		 PAW-HRPT40HX PAW-HRPT40 (2,5 kW)				 PAW-HRPT80HX PAW-HRPT80 (5 kW)
P. 69	Heat recovery with DX coil · R410A			 PAW-500ZDX3N (3 kW)		 PAW-800ZDX3N (5,1 kW)	 PAW-01KZDX3N (5,8 kW)
P. 69	T2 type ceiling · R410A				 S-36MT2E5A	 S-45MT2E5A	 S-56MT2E5A
P. 70	K2 type wall-mounted · R32 / R410A	S-15MK2E5B	S-22MK2E5B	S-28MK2E5B	S-36MK2E5B	S-45MK2E5B	S-56MK2E5B
P. 70	G1 type floor console · R410A		 S-22MG1E5N	 S-28MG1E5N	 S-36MG1E5N	 S-45MG1E5N	 S-56MG1E5N
P. 70	P1 type floor-standing · R410A		 S-22MP1E5	 S-28MP1E5	 S-36MP1E5	 S-45MP1E5	 S-56MP1E5
P. 71	R1 type concealed floor-standing · R410A		 S-22MR1E5	 S-28MR1E5	 S-36MR1E5	 S-45MR1E5	 S-56MR1E5
P. 71	Hydrokit for ECOi, water at 45 °C · R410A						

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-60MU2E5BN	 S-73MU2E5BN	 S-90MU2E5BN		 S-112MU2E5BN	 S-140MU2E5BN	 S-160MU2E5BN		
 S-73ML1E5								
 S-73MD1E5								
 S-60MF3E5BN S-60MF3E5AN	 S-73MF3E5BN S-73MF3E5AN	 S-90MF3E5BN S-90MF3E5AN		 S-112MF3E5BN S-112MF3E5AN	 S-140MF3E5BN S-140MF3E5AN	 S-160MF3E5BN S-160MF3E5AN		
							 S-224ME2E5	 S-280ME2E5
	 PAW-HRPT120HX PAW-HRPT120 (7 kW)		 PAW-HRPT160HX PAW-HRPT160 (10 kW)	 PAW-HRPT200HX PAW-HRPT200 (12,5 kW)				
	 S-73MT2E5A		 S-106MT2E5A		 S-140MT2E5A			
	S-73MK2E5B		S-106MK2E5B					
	 S-71MP1E5							
	 S-71MR1E5							
		S-80MW1E5			S-125MW1E5			

+ OPTIONAL UNITS ON VENTILATION SECTION

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.

Outdoor unit			Nominal capacity		ErP data [1]		Dimension	Weight	RRP
			Cooling	Heating	SEER [2] / $n_{s,c}$	SCOP [2] / $n_{s,h}$	H x W x D		
			kW	kW			mm	kg	£
1ph	4 HP	U-4LZ2E5	12,1	12,5	8,50 / 337,0%	5,05 / 199,0%	996 x 980 x 370	94	4,207
1ph	5 HP	U-5LZ2E5	14,0	16,0	8,12 / 321,8%	4,61 / 181,4%	996 x 980 x 370	94	4,508
1ph	6 HP	U-6LZ2E5	15,5	16,5	7,71 / 305,4%	4,59 / 180,6%	996 x 980 x 370	94	4,997
3ph	4 HP	U-4LZ2E8	12,1	12,5	8,50 / 337,0%	5,05 / 199,0%	996 x 980 x 370	94	4,505
3ph	5 HP	U-5LZ2E8	14,0	16,0	8,12 / 321,8%	4,61 / 181,4%	996 x 980 x 370	94	5,095
3ph	6 HP	U-6LZ2E8	15,5	16,5	7,71 / 305,4%	4,59 / 180,6%	996 x 980 x 370	94	5,485

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	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	20	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. Eurovent certified. 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.

Outdoor unit			Nominal capacity		ErP data [1]		Dimension	Weight	RRP
			Cooling	Heating	SEER [2] / $n_{s,c}$	SCOP [2] / $n_{s,h}$	H x W x D		
			kW	kW			mm	kg	£
3ph	8 HP	U-8LZ2E8	22,4	25,0	7,56 / 299,4%	4,59 / 180,6%	1500 x 980 x 370	125	7,146
3ph	10 HP	U-10LZ2E8	28,0	28,0	7,08 / 280,2%	4,60 / 181,0%	1500 x 980 x 370	126	7,837

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	16	20

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. Eurovent certified. 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-CGLSC1 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-CGLSC1	Panasonic R32 refrigerant leak detector for MU2, MY3, MM1 and MK2 models	182

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	Heating	SEER [2] / $\eta_{s,c}$	SCOP [2] / $\eta_{s,h}$	H x W x D		
			kW	kW			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	4,006
1ph	5 HP	U-5LE2E5	14,0	16,0	7,48 / 296,2%	4,40 / 172,9%	996 x 980 x 370	106	4,293
1ph	6 HP	U-6LE2E5	15,5	16,5	7,25 / 286,8%	4,24 / 166,7%	996 x 980 x 370	106	4,759
3ph	4 HP	U-4LE2E8	12,1	12,5	7,85 / 311,0%	4,87 / 191,8%	996 x 980 x 370	106	4,290
3ph	5 HP	U-5LE2E8	14,0	16,0	7,48 / 296,2%	4,40 / 172,9%	996 x 980 x 370	106	4,852
3ph	6 HP	U-6LE2E8	15,5	16,5	7,25 / 286,8%	4,24 / 166,7%	996 x 980 x 370	106	5,223

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	20	25	30	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. Eurovent certified. 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	Heating	SEER [2] / $\eta_{s,c}$	SCOP [2] / $\eta_{s,h}$	H x W x D		
			kW	kW			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	6,805
3ph	10 HP	U-10LE1E8	28,0	28,0	6,37 / 251,8%	4,31 / 169,5%	1500 x 980 x 370	133	7,463

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 1/8 [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	16	20

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. Eurovent certified. 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.

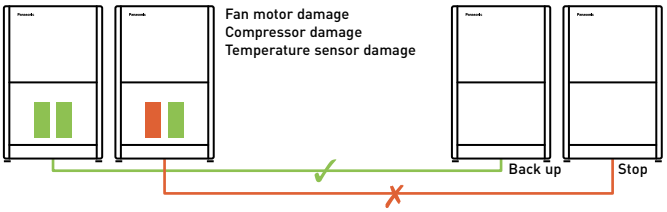
Rating conditions: Cooling indoor 27 °C DB / 19 °C WB. Cooling outdoor 35 °C DB / 24 °C WB. Heating indoor 20 °C DB. Heating outdoor 7 °C DB / 6 °C WB. (DB: Dry Bulb; WB: Wet Bulb).
Specifications subject to change without notice. For detailed information about ErP / Energy Labelling, please visit our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

ECOi EX -Superior quality, reliability and durability

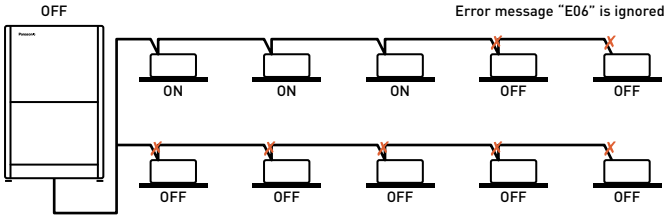
Two independently controlled Inverter compressors achieve high efficiency. Redesigned components in the body provide performance improvement especially in the rated cooling condition and EER performance.

High safety operation in case of breakdown!

Automatic Back-Up operation. Ensures heating and cooling.
It is possible for the system to keep working, even if the compressors, fan motor and the temperature sensor are damaged (even when a compressor fails in single unit with 2 compressors inside).



The system will still operate with only 25% of the connected indoor units.
System will not stop when only 25% of indoor units have power supply and breakdown on other indoor units.



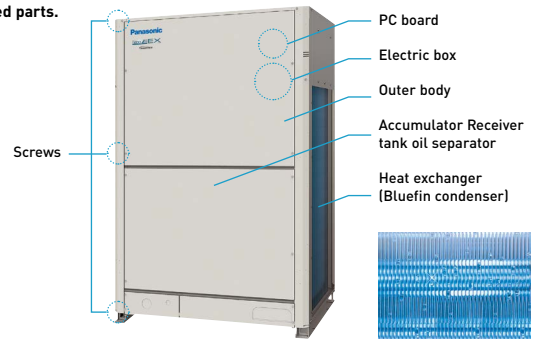
Hi-durability outdoor units

Panasonic RAC,PAC and VRF outdoor units have been treated for high resistance to corrosion (rust and salty air) to ensure long-lasting performance. No need for expensive and time consuming third part coatings.

Tests have been completed under the norm ASTM B117 for 1000 hours.

Note: Selecting this unit does not completely eliminate the possibility of rust developing. For details concerning unit installation and maintenance, please consult an authorised dealer.

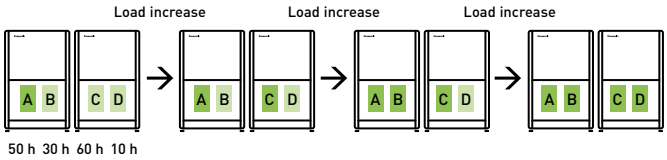
Specially protected parts.



Extended compressor life by uniform compressor operation time

The total run-time of compressors are monitored by a built-in microcomputer, which ensures that operation times of all compressors within the same refrigerant circuit are balanced.
Compressors with histories showing shorter run times are selected first, ensuring equal wear and tear across all units and extending the working life of the system.

System example.
A,C: DC Inverter compressor
B,D: Constant speed compressor



* Depend on accumulated operation time of each compressors.
* Compressor priority has possibility to be changed.
(e.g) Case 1: A>C>B>D, Case 2: C>A>D>B, Case 3: A>C>D>B, Case 4: C>A>B>D
* Also other cases available.

A large number of indoor unit models can be connected.

VRF - ECOi EX Series

2-Pipe ECOi EX ME2 Series

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	Heating	SEER [2] / $\eta_{s,c}$	SCOP [2] / $\eta_{s,h}$	H x W x D		
			kW	kW			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	**8,675**
	10 HP	U-10ME2E8	28,0	31,5	**6,96 / 275,4%**	**4,27 / 167,6%**	1842 x 770 x 1000	210	**9,312**
	12 HP	U-12ME2E8	33,5	37,5	**6,74 / 266,6%**	**4,72 / 185,8%**	1842 x 1180 x 1000	270	**11,158**
	14 HP	U-14ME2E8	40,0	45,0	**7,23 / 286,0%**	**4,28 / 168,2%**	1842 x 1180 x 1000	315	**12,571**
	16 HP	U-16ME2E8	45,0	50,0	**6,43 / 254,3%**	**4,05 / 159,0%**	1842 x 1180 x 1000	315	**13,585**
	18 HP	U-18ME2E8	50,0	56,0	**7,56 / 299,2%**	**4,29 / 168,7%**	1842 x 1540 x 1000	375	**15,602**
	20 HP	U-20ME2E8	56,0	63,0	**7,03 / 278,2%**	**4,09 / 160,4%**	1842 x 1540 x 1000	375	**16,393**

Piping information								
Outdoor unit	**HP**	**8**	**10**	**12**	**14**	**16**	**18**	**20**
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
Piping diameter (gas)	Inch	3/4 / 7/8	7/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/8	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/8 / 1 1/4
Piping diameter (balance)	Inch	1/4	1/4	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**	**18**	**20**
Recommended fuse	A	16	16	20	25	30	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. Eurovent certified. 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 high efficiency model combination from 18 to 64 HP

Outdoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
3ph	18 HP	U-8ME2E8 + U-10ME2E8	50,0	56,0	1842 x 1600 x 1000	420	**17,987**
	20 HP	U-10ME2E8 + U-10ME2E8	56,0	63,0	1842 x 1600 x 1000	420	**18,624**
	22 HP	U-10ME2E8 + U-12ME2E8	61,5	69,0	1842 x 2010 x 1000	480	**20,470**
	24 HP	U-12ME2E8 + U-12ME2E8	68,0	76,5	1842 x 2420 x 1000	540	**22,316**
	26 HP	U-10ME2E8 + U-16ME2E8	73,0	81,5	1842 x 2010 x 1000	535	**22,897**
	28 HP	U-12ME2E8 + U-16ME2E8	78,5	87,5	1842 x 2420 x 1000	585	**24,743**
	30 HP	U-14ME2E8 + U-16ME2E8	85,0	95,0	1842 x 2420 x 1000	630	**26,156**
	32 HP	U-16ME2E8 + U-16ME2E8	90,0	100,0	1842 x 2420 x 1000	630	**27,170**
	34 HP	U-10ME2E8 + U-12ME2E8 + U-12ME2E8	96,0	108,0	1842 x 3250 x 1000	750	**31,628**
	36 HP	U-12ME2E8 + U-12ME2E8 + U-12ME2E8	101,0	113,0	1842 x 3660 x 1000	810	**33,474**
	38 HP	U-10ME2E8 + U-12ME2E8 + U-16ME2E8	107,0	119,0	1842 x 3250 x 1000	795	**34,055**
	40 HP	U-12ME2E8 + U-12ME2E8 + U-16ME2E8	113,0	127,0	1842 x 3660 x 1000	855	**35,901**
	42 HP	U-10ME2E8 + U-16ME2E8 + U-16ME2E8	118,0	132,0	1842 x 3250 x 1000	840	**36,482**
	44 HP	U-12ME2E8 + U-16ME2E8 + U-16ME2E8	124,0	138,0	1842 x 3660 x 1000	900	**38,328**
	46 HP	U-14ME2E8 + U-16ME2E8 + U-16ME2E8	130,0	145,0	1842 x 3660 x 1000	945	**39,741**
	48 HP	U-16ME2E8 + U-16ME2E8 + U-16ME2E8	135,0	150,0	1842 x 3660 x 1000	945	**40,755**
	50 HP	U-10ME2E8 + U-12ME2E8 + U-12ME2E8 + U-16ME2E8	140,0	155,0	1842 x 4490 x 1000	1065	**45,213**
	52 HP	U-12ME2E8 + U-12ME2E8 + U-12ME2E8 + U-16ME2E8	145,0	160,0	1842 x 4900 x 1000	1125	**47,059**
	54 HP	U-10ME2E8 + U-12ME2E8 + U-16ME2E8 + U-16ME2E8	151,0	169,0	1842 x 4490 x 1000	1110	**47,640**
	56 HP	U-12ME2E8 + U-12ME2E8 + U-16ME2E8 + U-16ME2E8	156,0	175,0	1842 x 4900 x 1000	1170	**49,486**
	58 HP	U-10ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	162,0	182,0	1842 x 4490 x 1000	1155	**50,067**
	60 HP	U-12ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	168,0	189,0	1842 x 4900 x 1000	1215	**51,913**
	62 HP	U-14ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	174,0	195,0	1842 x 4900 x 1000	1260	**53,326**
	64 HP	U-16ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	180,0	201,0	1842 x 4900 x 1000	1260	**54,340**

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 1/4	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 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 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 5/8 / 1 3/4	1 5/8 / 1 3/4
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

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.

VRF - ECOi EX Series

2-Pipe ECOi EX ME2 Series space saving model combination from 22 to 80 HP

Outdoor unit			Nominal capacity		SEER [1]	SCOP [1]	Dimension	Weight	RRP
			Cooling	Heating			H x W x D		
			kW	kW			mm	kg	£
3ph	22 HP	U-10ME2E8 + U-12ME2E8	61,5	69,0	6,90	4,53	1842 x 2010 x 1000	480	20,470
	24 HP	U-12ME2E8 + U-12ME2E8	68,0	76,5	6,86	4,78	1842 x 2420 x 1000	540	22,316
	26 HP	U-10ME2E8 + U-16ME2E8	73,0	81,5	6,62	4,16	1842 x 2010 x 1000	525	22,897
	28 HP	U-12ME2E8 + U-16ME2E8	78,5	87,5	6,60	4,29	1842 x 2420 x 1000	585	24,743
	30 HP	U-14ME2E8 + U-16ME2E8	85,0	95,0	6,88	4,13	1842 x 2420 x 1000	630	26,156
	32 HP	U-16ME2E8 + U-16ME2E8	90,0	100,0	6,55	4,09	1842 x 2420 x 1000	630	27,170
	34 HP	U-14ME2E8 + U-20ME2E8	96,0	108,0	7,21	4,14	1842 x 2780 x 1000	690	28,964
	36 HP	U-16ME2E8 + U-20ME2E8	101,0	113,0	6,86	4,06	1842 x 2780 x 1000	690	29,978
	38 HP	U-18ME2E8 + U-20ME2E8	107,0	119,0	7,32	4,14	1842 x 3140 x 1000	750	31,995
	40 HP	U-20ME2E8 + U-20ME2E8	113,0	127,0	7,16	4,13	1842 x 3140 x 1000	750	32,786
	42 HP	U-10ME2E8 + U-16ME2E8 + U-16ME2E8	118,0	132,0	6,57	4,11	1842 x 3250 x 1000	840	36,482
	44 HP	U-12ME2E8 + U-16ME2E8 + U-16ME2E8	124,0	138,0	6,60	4,21	1842 x 3660 x 1000	900	38,328
	46 HP	U-14ME2E8 + U-16ME2E8 + U-16ME2E8	130,0	145,0	6,70	4,12	1842 x 3660 x 1000	945	39,741
	48 HP	U-16ME2E8 + U-16ME2E8 + U-16ME2E8	135,0	150,0	6,55	4,09	1842 x 3660 x 1000	945	40,755
	50 HP	U-14ME2E8 + U-16ME2E8 + U-20ME2E8	140,0	155,0	6,96	4,08	1842 x 4020 x 1000	1005	42,549
	52 HP	U-16ME2E8 + U-16ME2E8 + U-20ME2E8	145,0	160,0	6,72	4,05	1842 x 4020 x 1000	1005	43,563
	54 HP	U-14ME2E8 + U-20ME2E8 + U-20ME2E8	151,0	169,0	7,16	4,13	1842 x 4380 x 1000	1065	45,357
	56 HP	U-16ME2E8 + U-20ME2E8 + U-20ME2E8	156,0	175,0	6,92	4,07	1842 x 4380 x 1000	1065	46,371
	58 HP	U-18ME2E8 + U-20ME2E8 + U-20ME2E8	162,0	182,0	7,30	4,13	1842 x 4740 x 1000	1125	48,388
	60 HP	U-20ME2E8 + U-20ME2E8 + U-20ME2E8	168,0	189,0	7,16	4,13	1842 x 4740 x 1000	1125	49,179
	62 HP	U-14ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	174,0	195,0	6,68	4,11	1842 x 4900 x 1000	1260	53,326
	64 HP	U-16ME2E8 + U-16ME2E8 + U-16ME2E8 + U-16ME2E8	180,0	201,0	6,55	4,09	1842 x 4900 x 1000	1260	54,340
	66 HP	U-10ME2E8 + U-16ME2E8 + U-20ME2E8 + U-20ME2E8	185,0	207,0	6,92	4,11	1842 x 5210 x 1000	1275	55,683
	68 HP	U-12ME2E8 + U-16ME2E8 + U-20ME2E8 + U-20ME2E8	190,0	213,0	6,91	4,17	1842 x 5620 x 1000	1335	57,529
	70 HP	U-10ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	196,0	219,0	7,09	4,13	1842 x 5570 x 1000	1335	58,491
	72 HP	U-16ME2E8 + U-16ME2E8 + U-20ME2E8 + U-20ME2E8	202,0	226,0	6,86	4,06	1842 x 5620 x 1000	1380	59,956
	74 HP	U-16ME2E8 + U-18ME2E8 + U-20ME2E8 + U-20ME2E8	208,0	233,0	7,03	4,12	1842 x 5980 x 1000	1440	61,393
	76 HP	U-16ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	213,0	239,0	7,01	4,07	1842 x 5980 x 1000	1440	62,764
	78 HP	U-18ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	219,0	245,0	7,18	4,13	1842 x 6340 x 1000	1500	64,781
	80 HP	U-20ME2E8 + U-20ME2E8 + U-20ME2E8 + U-20ME2E8	224,0	252,0	7,16	4,13	1842 x 6340 x 1000	1500	65,572

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 1/4	1 1/8 / 1 1/4	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 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

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 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 5/8 / 1 3/4	1 5/8 / 1 3/4	1 5/8 / 1 3/4	1 5/8 / 1 3/4	1 5/8 / 1 3/4	1 3/4 / 2 1/8	1 3/4 / 2 1/8	1 3/4 / 2 1/8	1 3/4 / 2 1/8	1 3/4 / 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				Nominal capacity		Energy efficiency class at 35 °C [1]	$\eta_{s,h}$ (LOT21) [2]	Dimension / Weight (with pump) H x W x D	Outdoor unit	Dimension / Weight H x W x D	RRP w pump	RRP w/o pump	RRP Outdoor
		With A class water pump	Without pump	Cool kW	Heat kW			mm / kg		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	13,724	13,038	9,312
	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	14,514	13,789	16,393

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	16	16

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

3-Pipe ECOi EX MF3 Series

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	Heating	SEER [2] / $\eta_{s,c}$	SCOP [2] / $\eta_{s,h}$	H x W x D		
			kW	kW			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	8,792
	10 HP	U-10MF3E8	28,0	31,5	7,05 / 278,9%	4,25 / 166,8%	1842 x 1180 x 1000	262	9,703
	12 HP	U-12MF3E8	33,5	37,5	6,39 / 252,7%	4,27 / 167,8%	1842 x 1180 x 1000	286	11,213
	14 HP	U-14MF3E8	40,0	45,0	6,69 / 264,4%	4,13 / 162,1%	1842 x 1180 x 1000	334	12,970
	16 HP	U-16MF3E8	45,0	50,0	6,02 / 237,7%	3,81 / 149,3%	1842 x 1180 x 1000	334	14,904

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 1/8	1 / 1 1/8	1 1/8 / 1 1/4
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	16	20	25	40	30

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. Eurovent certified. 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 combination from 18 to 48 HP

Outdoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
3ph	18 HP	U-8MF3E8 + U-10MF3E8	50,0	56,0	1842 x 2360 (+60) x 1000	523	18,495
	20 HP	U-8MF3E8 + U-12MF3E8	56,0	63,0	1842 x 2360 (+60) x 1000	547	20,005
	22 HP	U-10MF3E8 + U-12MF3E8	61,5	69,0	1842 x 2360 (+60) x 1000	548	20,916
	24 HP	U-12MF3E8 + U-12MF3E8	68,0	76,5	1842 x 2360 (+60) x 1000	574	22,426
	26 HP	U-10MF3E8 + U-16MF3E8	73,0	81,5	1842 x 2360 (+60) x 1000	596	24,904
	28 HP	U-12MF3E8 + U-16MF3E8	78,5	87,5	1842 x 2360 (+60) x 1000	620	26,904
	30 HP	U-14MF3E8 + U-16MF3E8	85,0	95,0	1842 x 2360 (+60) x 1000	668	27,874
	32 HP	U-16MF3E8 + U-16MF3E8	90,0	100,0	1842 x 2360 (+60) x 1000	668	29,808
	34 HP	U-8MF3E8 + U-10MF3E8 + U-16MF3E8	96,0	108,0	1842 x 3540 (+120) x 1000	857	33,399
	36 HP	U-8MF3E8 + U-12MF3E8 + U-16MF3E8	101,0	113,0	1842 x 3540 (+120) x 1000	881	34,909
	38 HP	U-10MF3E8 + U-12MF3E8 + U-16MF3E8	107,0	119,0	1842 x 3540 (+120) x 1000	882	35,820
	40 HP	U-8MF3E8 + U-16MF3E8 + U-16MF3E8	113,0	127,0	1842 x 3540 (+120) x 1000	929	38,600
	42 HP	U-10MF3E8 + U-16MF3E8 + U-16MF3E8	118,0	132,0	1842 x 3540 (+120) x 1000	930	39,511
	44 HP	U-12MF3E8 + U-16MF3E8 + U-16MF3E8	124,0	138,0	1842 x 3540 (+120) x 1000	954	41,021
	46 HP	U-14MF3E8 + U-16MF3E8 + U-16MF3E8	130,0	145,0	1842 x 3540 (+120) x 1000	1002	42,778
	48 HP	U-16MF3E8 + U-16MF3E8 + U-16MF3E8	135,0	150,0	1842 x 3540 (+120) x 1000	1002	44,712

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 1/8 / 1 1/8	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/8 / 1 1/4
Piping diameter (suction)	Inch	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/8 / 1 1/4	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2
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 1/4	1 1/8 / 1 1/4	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2	1 1/4 / 1 1/2
Piping diameter (suction)	Inch	1 1/4 / 1 1/2	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8	1 1/2 / 1 5/8
Piping diameter (balance)	Inch	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

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.

Gas driven VRF - ECO G Series

2-Pipe ECO G GE3 Series

A perfect solution for the project location with lack of electricity.
Quick start up and high heating capacity at low ambient temperature.
Operation range from -21 °C in heating to +43 °C in cooling.

Outdoor unit			Nominal capacity		$n_{s,c}$ (LOT21) [1]	$n_{s,h}$ (LOT21) [1]	Dimension	Weight	RRP
			Cooling	Heating			H x W x D		
			kW	kW			mm	kg	£
1ph	16 HP	U-16GE3E5	45,0	50,0	**220,60%**	**150,60%**	2255 x 1650 x 1000	765	**36,432**
	20 HP	U-20GE3E5	56,0	63,0	**219,30%**	**143,70%**	2255 x 1650 x 1000	765	**41,524**
	25 HP	U-25GE3E5	71,0	80,0	**240,10%**	**146,90%**	2255 x 2026 x 1000	870	**44,362**
	30 HP	U-30GE3E5	85,0	95,0	**229,30%**	**151,30%**	2255 x 2026 x 1000	880	**49,576**

Piping information					
Outdoor unit	**HP**	**16**	**20**	**25**	**30**
Piping diameter (liquid)	Inch	½	⅝	⅝	¾
Piping diameter (gas)	Inch	1⅛	1⅛	1⅛	1¼
Piping diameter (fuel gas)	Inch	¾	¾	¾	¾
Piping diameter (exhaust drain port)	mm	25	25	25	25
Piping diameter (hot water supply in/out)		Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)
Elevation difference (in / out)	m	50	50	50	50

Electrical information (power supply to indoor)					
		Single phase			
Outdoor unit	**HP**	**16**	**20**	**25**	**30**
Recommended fuse	A	16	16	16	16

1) ErP test data.

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

Outdoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	32 HP	U-16GE3E5 + U-16GE3E5	90,0	100,0	2255 x 1650 + 100 + 1650 x 1000	1530 (765 + 765)	**72,864**
	36 HP	U-16GE3E5 + U-20GE3E5	101,0	113,0	2255 x 1650 + 100 + 1650 x 1000	1530 (765 + 765)	**77,956**
	40 HP	U-20GE3E5 + U-20GE3E5	112,0	126,0	2255 x 1650 + 100 + 1650 x 1000	1530 (765 + 765)	**83,048**
	45 HP	U-20GE3E5 + U-25GE3E5	127,0	143,0	2255 x 1650 + 100 + 2026 x 1000	1635 (765 + 870)	**85,886**
	50 HP	U-25GE3E5 + U-25GE3E5	142,0	160,0	2255 x 2026 + 100 + 2026 x 1000	1740 (870 + 870)	**88,724**
	55 HP	U-25GE3E5 + U-30GE3E5	156,0	175,0	2255 x 2026 + 100 + 2026 x 1000	1750 (870 + 880)	**93,938**
	60 HP	U-30GE3E5 + U-30GE3E5	170,0	190,0	2255 x 2026 + 100 + 2026 x 1000	1760 (880 + 880)	**99,152**

Piping information								
Outdoor unit	**HP**	**32**	**36**	**40**	**45**	**50**	**55**	**60**
Piping diameter (liquid)	Inch	¾	¾	¾	¾	¾	⅞	⅞
Piping diameter (gas)	Inch	1¼	1¼	1½	1½	1½	1½	1½
Piping diameter (fuel gas)	Inch	¾	¾	¾	¾	¾	¾	¾
Piping diameter (exhaust drain port)	mm	25	25	25	25	25	25	25
Piping diameter (hot water supply in/out)		Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)
Elevation difference (in / out)	m	50	50	50	50	50	50	50

Smart multi-site control solution.

Modern and scalable energy management for your Heating & Cooling Solutions.
With a simple click, all your units from several locations, receive status updates in real-time preventing breakdowns and optimising costs.

Panasonic AC Smart Cloud

Panasonic AC Service Cloud

DETAILED REFERENCES IS IN PAGE 75

Installation.
Easy installation and configuration.

Connectivity.
A standard LAN connection with internet access (fibre or mobile).

Reliability.
24/7/365 days connection.

Use.
Real-time control from anywhere.

Roles and permission.
Easily configure different access roles for each user.

Security.
Highly secure communication and complaint with GDPR.

Gas driven VRF - ECO G Series

3-Pipe ECO G GF3 Series

A perfect solution for the project location with lack of electricity.
Free DHW (Domestic Hot Water) production available in all seasons.
Operation range from -21 °C in heating to +43 °C in cooling.

Outdoor unit			Nominal capacity		$n_{s,c}$ (LOT21) [1]	$n_{s,h}$ (LOT21) [1]	Dimension	Weight	RRP
			Cooling	Heating			H x W x D		
			kW	kW			mm	kg	£
1ph	16 HP	U-16GF3E5	45,0	50,0	185,20%	139,20%	2255 x 1650 x 1000	775	38,649
1ph	20 HP	U-20GF3E5	56,0	63,0	198,80%	140,20%	2255 x 1650 x 1000	775	42,944
1ph	25 HP	U-25GF3E5	71,0	80,0	204,90%	150,90%	2255 x 2026 x 1000	880	46,511

Piping information				
Outdoor unit	HP	16	20	25
Piping diameter (liquid)	Inch	¾	¾	¾
Piping diameter (gas)	Inch	1⅛	1⅛	1⅛
Piping diameter (discharge)	Inch	⅞	1	1
Piping diameter (fuel gas)	Inch	¾	¾	¾
Piping diameter (exhaust drain port)	mm	25	25	25
Piping diameter (hot water supply in/out)		Rp¾ (Nut, thread)	Rp¾ (Nut, thread)	Rp¾ (Nut, thread)
Elevation difference (in / out)	m	50	50	50

Electrical information (power supply to indoor)				
		Single phase		
Outdoor unit	HP	16	20	25
Recommended fuse	A	16	16	16

1) ErP test data.

2-Pipe Hybrid GHP/EHP

Intelligent technology taking advantage of Gas and Electricity to achieve better energy savings.
Long lifespan thanks to the optimal performance between GHP and EHP.
Operation range from -21 °C in heating to +43 °C in cooling.

Outdoor unit				Nominal capacity		$n_{s,c}$ (LOT21)	$n_{s,h}$ (LOT21)	Dimension	Weight	RRP
				Cooling	Heating			H x W x D		
				kW	kW			mm	kg	£
1ph	20 HP	Hybrid GHP	U-20GES3E5	56,0	63,0	211,80%	143,20%	2255 x 1650 x 1000	765	43,271
3ph	10 HP	Hybrid EHP	U-10MES2E8	28,0	31,5	275,40%	167,60%	1842 x 770 x 1000	210	11,172

Piping information			
Outdoor unit	HP	20	10
Piping diameter (liquid)	Inch	⅝	⅜
Piping diameter (gas)	Inch	1⅛	⅞
Piping diameter (balance)	Inch	¼	¼
Elevation difference (in / out)	m	—	—

Electrical information (power supply to indoor)			
		Single phase	Three phase
Outdoor unit	HP	20	10
Recommended fuse	A	16	16

ECO G with water heat exchanger for chilled and hot water production

Free DHW from waste heat of engine.
Hot water outlet temperatures from 35 to 55 °C.
Chilled water outlet temperatures from -15 to +15 °C.

Hydrokit				Nominal capacity		Energy efficiency class at 35 °C [1]	$n_{s,h}$ (LOT21) [2]	Dimension / Weight (with pump) H x W x D	Outdoor unit	Dimension / Weight H x W x D	RRP w pump	RRP w/o pump	RRP Outdoor
		With A class water pump	Without pump	Cool	Heat								
				kW	kW			mm / kg		mm / kg	£	£	£
1ph	50 kW	PAW-500WP5G1	PAW-500W5G1	—	60,0	A+	130,00%	1000 x 575 x 1110 / 155 (165)	U-20GE3E5	2255 x 1650 x 1000 / 765	13,724	13,038	9,312
1ph	71 kW	PAW-710WP5G1	PAW-710W5G1	—	80,0	—	128,00%	1000 x 575 x 1110 / 160 (175)	U-30GE3E5	2255 x 2026 x 1000 / 880	14,514	13,789	16,393

Piping information			
Outdoor unit	kW	50	71
Piping diameter (liquid - gas)	Inch	⅝ - 1⅛	¾ - 1¼
Elevation difference (in / out)	m	50 (OU above) 35 (OU below)	50 (OU above) 35 (OU below)

Electrical information (power supply to indoor)			
		Single phase	
Outdoor unit	kW	50	71
Recommended fuse	A	16	16

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

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.

VRF Systems indoor units

Y3 type 4 way 60x60 cassette · R32 / R410A

Upgraded 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.

nanoeX

Indoor unit			Nominal capacity		Dimension	Weight	RRP	RRP
			Cooling	Heating	H x W x D		Indoor	Panel
			kW	kW	mm	kg	£	£
1ph	1,5 kW	S-15MY3E	1,5	1,7	243 x 575 x 575	17,8	1,039	255
	2,2 kW	S-22MY3E	2,2	2,5	243 x 575 x 575	17,8	1,067	255
	2,8 kW	S-28MY3E	2,8	3,2	243 x 575 x 575	17,8	1,098	255
	3,6 kW	S-36MY3E	3,6	4,2	243 x 575 x 575	17,8	1,125	255
	4,5 kW	S-45MY3E	4,5	5,0	243 x 575 x 575	17,8	1,217	255
	5,6 kW	S-56MY3E	5,6	6,3	243 x 575 x 575	17,8	1,347	255

Piping information								
Indoor unit	kW	1,5	2,2	2,8	3,6	4,5	5,6	
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	

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.

nanoeX

Indoor unit			Nominal capacity		Dimension	Weight	RRP	RRP
			Cooling	Heating	H x W x D		Indoor	Panel
			kW	kW	mm	kg	£	£
1ph	2,2 kW	S-22MU2E5BN	2,2	2,5	256 x 840 x 840	19	1,144	232
	2,8 kW	S-28MU2E5BN	2,8	3,2	256 x 840 x 840	19	1,175	232
	3,6 kW	S-36MU2E5BN	3,6	4,2	256 x 840 x 840	19	1,215	232
	4,5 kW	S-45MU2E5BN	4,5	5,0	256 x 840 x 840	19	1,297	232
	5,6 kW	S-56MU2E5BN	5,6	6,3	256 x 840 x 840	19	1,373	232
	6,0 kW	S-60MU2E5BN	6,0	7,1	256 x 840 x 840	20	1,399	232
	7,3 kW	S-73MU2E5BN	7,3	8,0	256 x 840 x 840	20	1,428	232
	9,0 kW	S-90MU2E5BN	9,0	10,0	256 x 840 x 840	20	1,577	232
	11,2 kW	S-112MU2E5BN	11,2	14,0	319 x 840 x 840	25	1,712	232
	14,0 kW	S-140MU2E5BN	14,0	16,0	319 x 840 x 840	25	1,942	232
	16,0 kW	S-160MU2E5BN	16,0	18,0	319 x 840 x 840	25	2,122	232

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	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝
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	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝

L1 type 2 way cassette · R410A

Simple and easy maintenance.
Auto flat control depending on the operation mode.
Panel (H x W x D / net weight): 8 x 1060 x 680 mm / 8 kg.

Indoor unit				Nominal capacity		Dimension	Weight	RRP	RRP
				Cooling	Heating	H x W x D		Indoor	Panel
			Panel	kW	kW	mm	kg	£	£
1ph	2,2 kW	S-22ML1E5	CZ-02KPL2	2,2	2,5	350 x 840 x 600	26	1,357	410
	2,8 kW	S-28ML1E5	CZ-02KPL2	2,8	3,2	350 x 840 x 600	26	1,386	410
	3,6 kW	S-36ML1E5	CZ-02KPL2	3,6	4,2	350 x 840 x 600	26	1,469	410
	4,5 kW	S-45ML1E5	CZ-02KPL2	4,5	5,0	350 x 840 x 600	26	1,695	410
	5,6 kW	S-56ML1E5	CZ-02KPL2	5,6	6,3	350 x 840 x 600	26	1,738	410
	7,3 kW	S-73ML1E5	CZ-03KPL2	7,3	8,0	350 x 1140 x 600	26	1,800	486

Piping information								
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6	7,3	
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	

VRF Systems indoor units

D1 type 1 way cassette · R410A

Suitable for standard and high ceilings.
Easy to installation and maintenance.
Panel (H x W x D / net weight): 20 x 1230 x 800 mm / 7,5 kg.

Indoor unit				Nominal capacity		Dimension	Weight	RRP	RRP
				Cooling	Heating	H x W x D		Indoor	Panel
			Panel	kW	kW	mm	kg	£	£
1ph	2,8 kW	S-28MD1E5	CZ-KPD2	2,8	3,2	200 x 1000 x 710	23,5	1,476	432
	3,6 kW	S-36MD1E5	CZ-KPD2	3,6	4,2	200 x 1000 x 710	23,5	1,561	432
	4,5 kW	S-45MD1E5	CZ-KPD2	4,5	5,0	200 x 1000 x 710	23,5	1,624	432
	5,6 kW	S-56MD1E5	CZ-KPD2	5,6	6,3	200 x 1000 x 710	23,5	1,661	432
	7,3 kW	S-73MD1E5	CZ-KPD2	7,3	8,0	200 x 1000 x 710	24,5	1,849	432

Piping information						
Indoor unit	kW	2,8	3,6	4,5	5,6	7,3
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝

F3 type variable static pressure adaptive duct · R32 / R410A

Upgraded 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	Heating		H x W x D		R32	R410A
		R32 indoor unit	R410A indoor unit	kW	kW	Pa	mm	kg	£	£
1ph	1,5 kW	S-15MF3E5BN	S-15MF3E5AN	1,5	1,7	30 (10-150)	250 x 800 x x 730	26	1,332	1,076
	2,2 kW	S-22MF3E5BN	S-22MF3E5AN	2,2	2,5	30 (10-150)	250 x 800 x x 730	26	1,417	1,155
	2,8 kW	S-28MF3E5BN	S-28MF3E5AN	2,8	3,2	30 (10-150)	250 x 800 x x 730	26	1,447	1,183
	3,6 kW	S-36MF3E5BN	S-36MF3E5AN	3,6	4,2	30 (10-150)	250 x 800 x x 730	26	1,475	1,208
	4,5 kW	S-45MF3E5BN	S-45MF3E5AN	4,5	5,0	30 (10-150)	250 x 800 x x 730	26	1,535	1,263
	5,6 kW	S-56MF3E5BN	S-56MF3E5AN	5,6	6,3	30 (10-150)	250 x 800 x x 730	26	1,592	1,316
	6,0 kW	S-60MF3E5BN	S-60MF3E5AN	6,0	7,1	30 (10-150)	250 x 1000 x x 730	31	1,731	1,443
	7,3 kW	S-73MF3E5BN	S-73MF3E5AN	7,3	8,0	30 (10-150)	250 x 1000 x x 730	31	1,774	1,484
	9,0 kW	S-90MF3E5BN	S-90MF3E5AN	9,0	10,0	40 (10-150)	250 x 1000 x x 730	31	1,860	1,561
	11,2 kW	S-112MF3E5BN	S-112MF3E5AN	10,6	11,4	40 (10-150)	250 x 1400 x x 730	40	2,084	1,784
	14,0 kW	S-140MF3E5BN	S-140MF3E5AN	14,0	16,0	50 (10-150)	250 x 1400 x x 730	40	2,207	1,882
	16,0 kW	S-160MF3E5BN	S-160MF3E5AN	16,0	18,0	50 (10-150)	250 x 1400 x x 730	40	2,393	2,055

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	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝
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	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝

F3 type variable static pressure adaptive duct · R32 / R410A.

Adaptive ducted unit is a market leading model that offers high flexibility such as vertical installation availability with external static pressure maximum 150 Pa. Also ensuring the premium comfort with super quiet operation and upgraded nanoe™ X.

- Only 250 mm high
- Up to 150 Pa
- Vertical installation
- 22 dB(A) (1,5 ~ 4,5 kW models)
- Built-in nanoe X Generator Mark 3

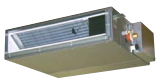
S-***MF3E5BN / S-***MF3E5AN

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.

VRF Systems indoor units

M1 type slim variable static pressure hide-away concealed duct · R32 / R410A

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	Heating		H x W x D		
			kW	kW	Pa	mm	kg	£
1ph	1,5 kW	S-15MM1E5B	1,5	1,7	10 (30)	200 x 750 x 640	19	981
	2,2 kW	S-22MM1E5B	2,2	2,5	10 (30)	200 x 750 x 640	19	991
	2,8 kW	S-28MM1E5B	2,8	3,2	15 (30)	200 x 750 x 640	19	1,022
	3,6 kW	S-36MM1E5B	3,6	4,2	15 (40)	200 x 750 x 640	19	1,064
	4,5 kW	S-45MM1E5B	4,5	5,0	15 (40)	200 x 750 x 640	19	1,108
	5,6 kW	S-56MM1E5B	5,6	6,3	15 (40)	200 x 750 x 640	19	1,160

Piping information							
Indoor unit	kW	1,5	2,2	2,8	3,6	4,5	5,6
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½

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	Nominal capacity		External static pressure	Dimension H x W x D	Weight	
			Cooling	Heating		Cooling	Heating				
			kW	kW	Pa	kW	kW	Pa	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	5,708
	28,0 kW	S-280ME2E5	28,0	26,5	200	28,0	31,5	140 (72 - 270) [1]	479 x 1453 x 1205	106	6,133

Piping information			
Indoor unit	kW	1,5	2,2
Piping diameter (liquid - gas)	Inch	⅜ - ¾	⅜ - ⅞

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.

Y3 / U2 / F3 indoor units with upgraded nanoe™ X (Generator Mark 3).

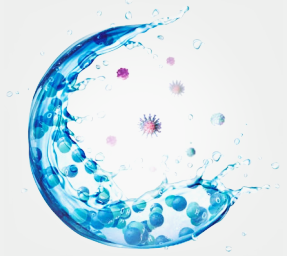
The nanoe X Generator Mark 3 has the largest amount of hydroxyl radical in the history of nanoe™ which generates 100 times the hydroxyl radical contained in traditional nanoe™.
The increased number of hydroxyl radical are the key to nanoe™ cleaning power, means you can expect an even higher level of performance.

Y3 type 4 way 60x60 cassette

U2 type 4 way 90x90 cassette

F3 type variable static pressure adaptive duct

nanoe™ X



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

1) [Test organization] 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

NEW energy recovery ventilation 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.

Indoor unit			Heat exchanger option	Heat recovery ventilation [1]						DX coil		Dimension	Weight	RRP
				Temperature efficiency		Enthalpy efficiency		Air flow	External static pressure	Total / Sensible capacity				
				Cool	Heat	Cool	Heat	High	High	Cool	Heat	H x W x D		
				%	%	%	%	m³/h	Pa	kW	kW	mm	kg	£
	2,5 kW	PAW-HRPT40HX	High efficiency	60,9	49,5	75,7	51,6	500	150	2,5	3,0	283 x 975 x 1400	70	TBC
	2,5 kW	PAW-HRPT40	Sensible	86,1	86,6	—	—	500	150	2,5	3,0	283 x 975 x 1400	67	TBC
	5,0 kW	PAW-HRPT80HX	High efficiency	59,2	47,6	73,1	48,9	800	150	5,0	6,0	408 x 1180 x 1720	120	TBC
	5,0 kW	PAW-HRPT80	Sensible	84,3	84,7	—	—	800	150	5,0	6,0	408 x 1180 x 1720	117	TBC
1ph	7,0 kW	PAW-HRPT120HX	High efficiency	60,3	48,8	73,6	50,7	1500	150	7,0	8,1	408 x 1580 x 1720	135	TBC
	7,0 kW	PAW-HRPT120	Sensible	82,9	83,5	—	—	1500	150	7,0	8,1	408 x 1580 x 1720	132	TBC
	10,0 kW	PAW-HRPT160HX	High efficiency	61,0	49,6	74,3	50,8	1700	150	10,0	12,5	408 x 1980 x 1720	150	TBC
	10,0 kW	PAW-HRPT160	Sensible	83,9	84,2	—	—	1700	150	10,0	12,5	408 x 1980 x 1720	147	TBC
	12,5 kW	PAW-HRPT200HX	High efficiency	59,2	47,6	73	48,8	2450	150	12,5	14,0	408 x 1980 x 1720	180	TBC
3ph	12,5 kW	PAW-HRPT200	Sensible	81,3	82,0	—	—	2450	150	12,5	14,0	408 x 1980 x 1720	177	TBC

Piping information							
Indoor unit	kW	2,5	5,0	7,0	10,0	12,5	
Piping diameter (liquid)	Inch	¼	⅜	⅜	⅜	⅜	
Piping diameter (gas)	Inch	½	⅝	⅝	⅝	⅝	

Electrical information								
		Single phase						Three phase
Indoor unit	kW	2,5	5,0	7,0	10,0	12,5	12,5	
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. * Image is for PAW-HRPT40.

Heat recovery with DX coil · R410A

High efficiency enthalpic heat recover.
Easy maintenance thanks to removable side panel.
ISO16890 ePm2,5 95% (F9 EN 779) efficiency class filter.

Indoor unit			Heat recovery						DX coil						RRP
			Temperature efficiency		Enthalpy efficiency		Saved power summer mode or winter mode		Total / Sensible capacity		OFF temperature		OFF relative humidity		
			Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	Cool	Heat	
			%	%	%	%	kW	kW	kW	kW	°C	°C	%	%	£
	3,0 kW	PAW-500ZDX3N	76	76	63	67	1,70	4,30 (4,80)	3,00 / 2,10	2,50 / 2,70	15,9	28,0 (27,3)	90	16 (15)	4,360
1ph	5,1 kW	PAW-800ZDX3N	76	76	63	65	2,50	6,50 (7,30)	5,10 / 3,50	4,40 / 4,80	15,5	29,6 (29,0)	90	14 (13)	5,194
	5,8 kW	PAW-01KZDX3N	76	76	60	62	3,20	8,20 (9,00)	5,80 / 4,10	5,20 / 6,70	16,2	28,5 (27,8)	89	15 (14)	5,577

Piping information				
Indoor unit	kW	3,0	5,1	5,8
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½

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	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
	3,6 kW	S-36MT2E5A	3,6	4,2	235 x 960 x 690	27	1,485
	4,5 kW	S-45MT2E5A	4,5	5,0	235 x 960 x 690	27	1,561
1ph	5,6 kW	S-56MT2E5A	5,6	6,3	235 x 960 x 690	27	1,637
	7,3 kW	S-73MT2E5A	7,3	8,0	235 x 1275 x 690	33	1,707
	10,6 kW	S-106MT2E5A	10,6	11,4	235 x 1590 x 690	40	2,080
	14,0 kW	S-140MT2E5A	14,0	16,0	235 x 1590 x 690	40	2,377

Piping information							
Indoor unit	kW	3,6	4,5	5,6	7,3	10,6	14,0
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝

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.

VRF Systems indoor units

K2 type wall-mounted · R32 / R410A

Compact lightweight units for easy installation.
Quiet operation.
Piping outlet in six directions.

Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	1,5 kW	S-15MK2E5B	1,5	1,7	290 x 870 x 214	9	750
	2,2 kW	S-22MK2E5B	2,2	2,5	290 x 870 x 214	9	776
	2,8 kW	S-28MK2E5B	2,8	3,2	290 x 870 x 214	9	775
	3,6 kW	S-36MK2E5B	3,6	4,2	290 x 870 x 214	9	814
	4,5 kW	S-45MK2E5B	4,5	5,0	302 x 1120 x 236	13	933
	5,6 kW	S-56MK2E5B	5,6	6,3	302 x 1120 x 236	13	991
	7,3 kW	S-73MK2E5B	7,3	8,0	302 x 1120 x 236	14	1,175
	10,6 kW	S-106MK2E5B	10,6	11,4	302 x 1120 x 236	14	1,205

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	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝	⅜ - ⅝

G1 type floor console · R410A

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

Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	2,2 kW	S-22MG1E5N	2,2	2,5	600 x 750 x 207	14	1,515
	2,8 kW	S-28MG1E5N	2,8	3,2	600 x 750 x 207	14	1,592
	3,6 kW	S-36MG1E5N	3,6	4,2	600 x 750 x 207	14	1,675
	4,5 kW	S-45MG1E5N	4,5	5,0	600 x 750 x 207	14	1,768
	5,6 kW	S-56MG1E5N	5,6	6,3	600 x 750 x 207	14	1,901

Piping information						
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½

P1 type floor-standing · R410A

Easy to install.
Effective perimeter handling.

Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	2,2 kW	S-22MP1E5	2,2	2,5	615 x 1065 x 230	29	1,513
	2,8 kW	S-28MP1E5	2,8	3,2	615 x 1065 x 230	29	1,516
	3,6 kW	S-36MP1E5	3,6	4,2	615 x 1065 x 230	29	1,552
	4,5 kW	S-45MP1E5	4,5	5,0	615 x 1380 x 230	39	1,765
	5,6 kW	S-56MP1E5	5,6	6,3	615 x 1380 x 230	39	1,784
	7,3 kW	S-71MP1E5	7,1	8,0	615 x 1380 x 230	39	1,881

Piping information							
Indoor unit	kW	2,2	2,8	3,6	4,5	5,6	7,3
Piping diameter (liquid - gas)	Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝

VRF Systems indoor units

R1 type concealed floor-standing · R410A

Chassis unit for discreet installation.
Just 229 mm depth.
Easy to install.

Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	2,2 kW	S-22MR1E5	2,2	2,5	616 x 904 x 229	21	1,310
	2,8 kW	S-28MR1E5	2,8	3,2	616 x 904 x 229	21	1,386
	3,6 kW	S-36MR1E5	3,6	4,2	616 x 904 x 229	21	1,469
	4,5 kW	S-45MR1E5	4,5	5,0	616 x 1219 x 229	28	1,550
	5,6 kW	S-56MR1E5	5,6	6,3	616 x 1219 x 229	28	1,665
	7,3 kW	S-71MR1E5	7,1	8,0	616 x 1219 x 229	28	1,697

Piping information								
Indoor unit		**kW**	**2,2**	**2,8**	**3,6**	**4,5**	**5,6**	**7,3**
Piping diameter (liquid - gas)		Inch	¼ - ½	¼ - ½	¼ - ½	¼ - ½	¼ - ½	⅜ - ⅝

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.

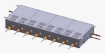
Indoor unit			Nominal capacity		Dimension	Weight	RRP
			Cooling	Heating	H x W x D		
			kW	kW	mm	kg	£
1ph	8,0 kW	S-80MW1E5	8,0	9,0	892 x 502 x 353	43	3,357
	12,5 kW	S-125MW1E5	12,5	14,0	892 x 502 x 353	43	4,027

Piping information				
Indoor unit		**kW**	**2,2**	**2,8**
Piping diameter (liquid - gas)		Inch	⅜ - ⅝	⅜ - ⅝

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.

Distribution joint kits			RRP £
	2-Pipe ME2 for outdoor units (up to 68,0 kW).	CZ-P680PH2BM	182
	2-Pipe ME2 for outdoor units (from 68,0 kW to 168,0 kW).	CZ-P1350PH2BM	250
	2-Pipe ME2 and Mini ECOi for indoor units (up to 22,4 kW*).	CZ-P224BK2BM	104
	2-Pipe ME2 for indoor units (from 22,4 kW to 68,0 kW*).	CZ-P680BK2BM	172
	2-Pipe ME2 for indoor units (from 68,0 kW to 168,0 kW*).	CZ-P1350BK2BM	233
	3-Pipe MF3 for outdoor units (up to 68,0 kW).	CZ-P680PJ2BM	310
	3-Pipe MF3 for outdoor units (from 68,0 kW to 135,0 kW).	CZ-P1350PJ2BM	530
	3-Pipe MF3 for indoor units (up to 22,4 kW).	CZ-P224BH2BM	123
	3-Pipe MF3 for indoor units (from 22,4 kW to 68,0 kW).	CZ-P680BH2BM	305
	3-Pipe MF3 for indoor units (up to 68,0 kW).	CZ-P1350BH2BM	323
	2-Pipe ME2 header pipe.	CZ-P4HP4C2BM	286
	3-Pipe MF3 header pipe.	CZ-P4HP3C2BM	195

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

Heat recovery box			RRP £
	3-Pipe control Solenoid valve kit (up to 5,6 kW). CZ-P56HR3 + CZ-CAPE2.	KIT-P56HR3	462
	3-Pipe control Solenoid valve kit (from 5,6 to 16,0 kW). CZ-P160HR3 + CZ-CAPE2.	KIT-P160HR3	560
	Solenoid valve kit (up to 5,6 kW).	CZ-P56HR3	462
	Solenoid valve kit (from 5,6 kW to 16,0 kW).	CZ-P160HR3	560
	3-Pipe control PCB.	CZ-CAPE2	104
	3-Pipe control PCB for wall-mounted.	CZ-CAPEK2	114
	4 ports 3 pipe box (up to 5,6 kW per port).	CZ-P456HR3	2,809
	6 ports 3 pipe box (up to 5,6 kW per port).	CZ-P656HR3	3,132
	8 ports 3 pipe box (up to 5,6 kW per port).	CZ-P856HR3	3,855
	4 ports 3 pipe box (up to 16,0 kW per port).	CZ-P4160HR3	3,132

R32 Pump Down solution			RRP £
	Basic Pump Down system (2 way) for one R32 Mini ECOi outdoor unit	PAW-PUD2WB-1	TBC

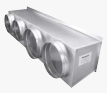
Leak detection and automatic Pump Down for R410A refrigerant			RRP £
	Pump Down system (2 way) for 1 outdoor unit	PAW-PUD2W-1R	11,948
	Pump Down system (2 way) for 2 outdoor units	PAW-PUD2W-2R	12,569
	Pump Down system (2 way) for 3 outdoor units	PAW-PUD2W-3R*	13,812
	Pump Down system (3 way) for 1 outdoor unit	PAW-PUD3W-1R	11,948
	Pump Down system (3 way) for 2 outdoor units	PAW-PUD3W-2R	12,569
	Pump Down system (3 way) for 3 outdoor units	PAW-PUD3W-3R*	13,812

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

Panels			RRP £
	Standard panel for 4 way 90x90 cassette.	CZ-KPU3W	232
	Econavi panel for 4 way 90x90 cassette.	CZ-KPU3AW	315
	Panel for 4 way 60x60 cassette - MY3.	CZ-KPY4	255
	Panel for 2 way cassette (for S-22 to S-56 models).	CZ-02KPL2	410
	Panel for 2 way cassette (for S-73 model).	CZ-03KPL2	487
	Panel for 1 way cassette.	CZ-KPD2	432

Sensors			RRP £
	Panasonic R32 refrigerant leak detector for MU2, MY3, MM1 and MK2 models.	CZ-CGLSC1	182
	Econavi energy saving sensor.	CZ-CENSC1	172
	Remote temperature sensor.	CZ-CSRC3	124
	Fresh air-intake kit.	CZ-FDU3+CZ-ATU2	TBC

NEW IAQ filter for adaptive ducted unit			RRP £
	BION air pollutant filter for MF3 15, 22, 28, 36, 45 and 56.	PAW-APF800F	TBC
	BION air pollutant filter for MF3 60 and 73.	PAW-APF1000F	TBC
	BION air pollutant filter for MF3 90, 106, 112, 140 and 160.	PAW-APF1400F	TBC

Plenums			RRP £
	Air inlet plenum for MF3 60, 73 and 90.	CZ-DUMPA90MF2	306
	Air inlet plenum for MF3 106, 112, 140 and 160.	CZ-DUMPA160MF2	330
	Air inlet plenum for MM1 22, 28, 36, 45 and 56.	CZ-DUMPA22MMR2	312
	Air outlet plenum for MM1 22, 28 and 36.	CZ-DUMPA22MMS2	488
	Air outlet plenum for MM1 45 and 56.	CZ-DUMPA45MMS3	625
	Air outlet plenum for S-224ME1E5A.	CZ-TREMIESPW705	825
	Air outlet plenum for S-280ME1E5.	CZ-TREMIESPW706	

* Plenums installed with an R32 Mini ECOi system may only be used when no Panasonic R32 refrigerant leak detector is required. Please refer to technical data manual for refrigerant installation requirements.

Valves			RRP £
	E2 type high static pressure hide-away rap valve kit for 100% Fresh air function.	CZ-P160RVK2	663
	Wall-mounted external valve for model sizes 15 to 56.	CZ-P56SVK2	203
	Wall-mounted external valve for model sizes 60 to 106.	CZ-P160SVK2	258

VRF Smart Connectivity+			RRP £
	Remote controller Panasonic Net Con, RH, No PIR, R1/R2.	SER8150R0B1194	584
	Remote controller Panasonic Net Con, RH, PIR, R1/R2.	SER8150R5B1194	623
	Wireless ZigBee® Pro module / Green Com card.	VCM8000V5094P	211
	Hotel room expansion module 14 indoor units.	HRCEP14R	372
	Hotel room controller 28 indoor units.	HRCPBG28R	984
	Hotel room controller w/Display 42 indoor units.	HRCPDG42R	1,255
	Door / window wireless sensor.	SED-WDC-G-5045	240
	Wall / ceiling (motion) wireless sensor.	SED-MTH-G-5045	293
	CO_2 sensor.	SED-CO2-G-5045	753
	Sensor with room temperature and humidity.	SED-TRH-G-5045	237
	Water leakage sensor.	SED-WLS-G-5045	230
	Cover frame. Silver. For SER8150 series controller	FAS-00	49
	Cover frame. White. For SER8150 series controller	FAS-01	49
	Cover frame. Glossy translucent white. For SER8150 series controller	FAS-03	87
	Cover frame. Light tan wood. For SER8150 series controller	FAS-05	68
	Cover frame. Dark brown wood. For SER8150 series controller	FAS-06	68
	Cover frame. Dark black wood. For SER8150 series controller	FAS-07	68
	Cover frame. Brushed steel finish. For SER8150 series controller	FAS-10	87

Controller and touch controllers for hotels with dry contacts			RRP £
	Modbus RS-485 touch room controller with I/O, white.	PAW-RE2C4-MOD-WH	502
	Touch display control with 2 digital inputs, white.	PAW-RE2D4-WH	306
	Modbus RS-485 touch room controller with I/O, black.	PAW-RE2C4-MOD-BK	502
	Touch display control with 2 digital inputs, black.	PAW-RE2D4-BK	306

Hotel sensors for dry contacts			RRP £
	Wall motion sensor 24 V.	PAW-WMS-DC	211
	Wall motion sensor 240 V AC.	PAW-WMS-AC	211
	Ceiling motion sensor 24 V.	PAW-CMS-DC	211
	Ceiling motion sensor 240 V AC.	PAW-CMS-AC	211
	Power supply 24 V.	PAW-24DC	68
	Door or window contact.	PAW-DWC	23

Centralised controls			RRP £
	System controller for 64 indoor units with weekly timer.	CZ-64ESMC3	862
	Central ON / OFF controller, up to 16 groups, 64 indoor units.	CZ-ANC3	584
	Intelligent controller (touch screen/ web server) to control up to 256 indoors with included load distribution ratio (LDR).	CZ-256ESMC3	3,229

Centralised controls. BMS system. PC base			RRP £
	P-AIMS core software: Centralised software to control up to 1024 indoor units.	CZ-CSWKC2	4,668
	P-AIMS consumption calculation extension.	CZ-CSWAC2	2,669
	P-AIMS BACnet extension.	CZ-CSWBC2	5,334
	P-AIMS layout display extension.	CZ-CSWGC2	1,358
	P-AIMS web application extension.	CZ-CSWWC2	2,003
	P-AIMS communication adaptor.	CZ-CFUNC2	1,358

Panasonic AC Smart Cloud			RRP £
	Panasonic AC Smart Cloud. Cloud internet control. Up to 128 groups. Controls 128 units.	CZ-CFUSCC1	488

Detailed references is in page 75.

NEW 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	TBC
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 64 indoor units.	PAW-AC2-BMS-64	TBC
	A unified interface supporting Modbus, BACnet, and KNX protocols for up to 128 indoor units.	PAW-AC2-BMS-128	TBC

Accessories interfaces			RRP £
	Commercial Wi-Fi Adaptor.	CZ-CAPWFC1	199
	KNX interface. (Intesis)	PAW-RC2-KNX-1i	392
	Modbus RTU interface. (Intesis)	PAW-RC2-MBS-1	392
	Modbus RTU interface to control 4 indoor/groups. (Intesis)	PAW-RC2-MBS-4	907
	BACnet IP and MSTP. (Intesis)	PAW-RC2-BAC-1	648
	KNX interface (Airzone).	PAW-AZRC-KNX-1	334
	Modbus RTU interface (Airzone).	PAW-AZRC-MBS-1	334
	BACnet IP and MSTP interface (Airzone).	PAW-AZRC-BAC-1	609
	RAC interface adapter for integration into S-Link, plus external input and alarm/status output (for YKEA units).	CZ-CAPRA1	186
	LonWorks® Interface controls up to 16 groups and 64 indoor units.	CZ-CLNC2	372

Centralised controls. Connection with general equipment			RRP £
	Adaptor for ON / OFF control of external devices.	CZ-CAPC3	372
	Demand control for Mini ECOi and PACi outdoor units.	CZ-CAPDC3	670
	Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.	CZ-CAPBC2	311
	Communication Adaptor. Up to 128 groups. Controls 128 units.	CZ-CFUNC2	1,358

Individual controls			RRP £
	CONEX wired remote controller (non-wireless), white.	CZ-RTC6W	165
	CONEX wired remote controller with Bluetooth®, white.	CZ-RTC6WBL	195
	CONEX wired remote controller (non-wireless), black.	CZ-RTC6	165
	CONEX wired remote controller with Bluetooth®, black.	CZ-RTC6BL	195
	Design wired remote controller with Econavi function.	CZ-RTC5B	165
	Infrared remote controller and receiver for 4 way 60x60 cassette - PY3 with panel.	CZ-RWS3 + CZ-RWRY3	246
	Infrared remote controller and receiver for 4 way 90x90 cassette.	CZ-RWS3 + CZ-RWRU3W	315
	Infrared remote controller and receiver for 2 way cassette.	CZ-RWS3 + CZ-RWRL3	315
	Infrared remote controller and receiver for 1 way cassette.	CZ-RWS3 + CZ-RWRD3	315
	Infrared remote controller and receiver for ceiling.	CZ-RWS3 + CZ-RWRT3	315
	Infrared remote controller for wall-mounted and floor console.	CZ-RWS3	124
	Infrared remote controller and receiver for all indoor units.	CZ-RWS3 + CZ-RWRC3	315

Accessories PCB			RRP £
	T10 interface PCB with digital and relay connections.	PAW-T10	115
	PCB for fan speed control of external EC Fan.	PAW-ECF	TBC

R-22 Replacement Kit			RRP £
	Replacement kit for R-22.	CZ-SLK2	403

Accessories cables			RRP £
	Cable for all the T10 functions.	CZ-T10	56
	Cable to operate external EC fan.	PAW-FDC	56
	Cable for all option monitoring signals.	PAW-OCT	56
	Cable with force thermo OFF/leakage detection.	PAW-EXCT	56

Water heat exchanger accessories			RRP £
	Stacking kit for vertically stacking up to 3 WHE (4 pieces per Kit).	PAW-3WSK	207

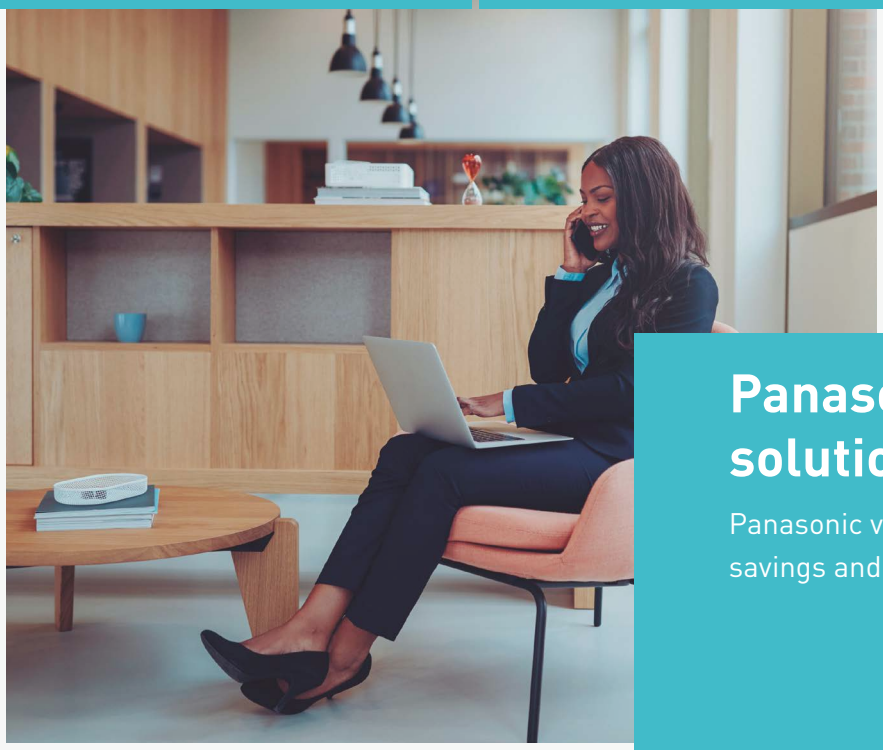
Panasonic AC Smart Cloud AC Service Cloud

	Product	Reference	Items included in a kit	Description	RRP £
Up to 32 indoor units	Cloud base kit	KIT-ACSCBASE32	CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	488
			SR-ACSCSTART32	AC Smart Cloud start up to 32 indoor units	216
	AC Smart Cloud access fee	SR-ACSC1Y32		AC Smart Cloud access fee for 1 year	104
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y32CNT		AC Smart Cloud access fee for 1 year with data connectivity	259
Up to 64 indoor units	Cloud base kit	KIT-ACSCBASE64	CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	488
			SR-ACSCSTART64	AC Smart Cloud start up to 64 indoor units	346
	AC Smart Cloud access fee	SR-ACSC1Y64		AC Smart Cloud access fee for 1 year	156
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y64CNT		AC Smart Cloud access fee for 1 year with data connectivity	354
Up to 128 indoor units	Cloud base kit	KIT-ACSCBASE128	CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	488
			SR-ACSCSTART128	AC Smart Cloud start up to 128 indoor units	518
	AC Smart Cloud access fee	SR-ACSC1Y128		AC Smart Cloud access fee for 1 year	225
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y128CNT		AC Smart Cloud access fee for 1 year with data connectivity	509
Up to 192 indoor units	Cloud base kit	KIT-ACSCBASE192	2x CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	976
			SR-ACSCSTART192	AC Smart Cloud start up to 192 indoor units	622
	AC Smart Cloud access fee	SR-ACSC1Y192		AC Smart Cloud access fee for 1 year	292
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y192CNT		AC Smart Cloud access fee for 1 year with data connectivity	637
Up to 256 indoor units	Cloud base kit	KIT-ACSCBASE256	2x CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	976
			SR-ACSCSTART256	AC Smart Cloud start up to 256 indoor units	777
	AC Smart Cloud access fee	SR-ACSC1Y256		AC Smart Cloud access fee for 1 year	359
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y256CNT		AC Smart Cloud access fee for 1 year with data connectivity	853
Up to 320 indoor units	Cloud base kit	KIT-ACSCBASE320	3x CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	1,464
			SR-ACSCSTART320	AC Smart Cloud start up to 320 indoor units	893
	AC Smart Cloud access fee	SR-ACSC1Y320		AC Smart Cloud access fee for 1 year	413
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y320CNT		AC Smart Cloud access fee for 1 year with data connectivity	853
Up to 512 indoor units	Cloud base kit	KIT-ACSCBASE512	4x CZ-CFUSCC1	Cloud adapter for ECOi. PACi and ECO G [1]	1,952
			SR-ACSCSTART512	AC Smart Cloud start up to 512 indoor units	1,243
	AC Smart Cloud access fee	SR-ACSC1Y512		AC Smart Cloud access fee for 1 year	575
	AC Smart Cloud access fee with data connectivity	SR-ACSC1Y512CNT		AC Smart Cloud access fee for 1 year with data connectivity	1,084

Options

					RRP £
Service function	Panasonic AC Service Cloud	SR-ACSC1Y32M		AC Service Cloud access for 1 year up to 32 indoor units	104
	System Health Check [2]	SR-ACSC1Y32SHC		System Health Check access for 1 year up to 32 indoor units	57
Floor map [3]		SR-ACSC1FLRUP		Upload 1 floor map or maximum 32 units	216
Floor map [3]		SR-ACSC1FLRCP		Create 1 floor map or maximum 32 units	346
Indoor assign [3]		SR-ACSC32ASSIGN		Assign indoors up to 32 units	216
4G connectivity kit [4]		KIT-ACSC4GCNT	PAW-ACSCRTR4G-UI	AC Smart Cloud 4G connection kit including 4G router and SIM card	198
			PAW-ACSCSIM		31
4G Router		PAW-ACSCRTR4G-UI		4G Router for Panasonic AC Smart Cloud	198
SIM card		PAW-ACSCSIM		SIM card without data amount	31

* One cloud adapter is required per 128 indoor units. 1) The adapter has to be sold always together with start up. 2) AC Service Cloud is required to use this function. 3) Floor map and indoor assignments can be done by customer without additional charge. 4) Data amount of SIM card is not included.



Panasonic ventilation solutions

Panasonic ventilation solutions for maximum savings and easy integration.

New 2024

New 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

Ceiling mounted air-e nanoe X Generator.

First standalone nanoe X Generator available. Compact and modern design match well into any ceiling materials.

- Quiet operation - at 27 dB(A)
- Low power consumption
- Easy Installation
- nanoe™ X is a filter free solution that does not require maintenance

Advanced energy recovery ventilation - ZY Series.

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

- F7 grade filter bult-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)

Page		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
P. 78	**AHU connection kit PAH3M for PACi NX and PACi**									
		PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1	PAW-280PAH3M-1

Page		6 HP	12 HP	16 HP
P. 78	**NEW AHU connection kit MAH4M for ECOi 2-Pipe**			
		PAW-P+100MAH4M	PAW-P+100MAH4M	PAW-P+100MAH4M

Page		5 HP	10 HP	20 HP	30 HP	40 HP	50 HP	60 HP
P. 79	**AHU connection kit MAH3M for ECOi and ECO G**							
		PAW-160MAH3M	PAW-280MAH3M	PAW-560MAH3M	PAW-280MAH3M PAW-560MAH3M	PAW-560MAH3M PAW-560MAH3M	PAW-560MAH3M PAW-560MAH3M PAW-280MAH3M	PAW-560MAH3M PAW-560MAH3M PAW-560MAH3M

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
P. 79	**Advanced energy recovery ventilation**									
		FV-15ZY1G	FV-25ZY1G	FV-35ZY1G	FV-50ZY1G	FV-65ZY1G	FV-80ZY1G	FV-1KZY1G	FV-1HZY1G	FV-2KZY1G

Page		250 m³/h	350 m³/h	500 m³/h	800 m³/h	1000 m³/h
P. 79	**Energy recovery ventilation**					
		FY-250ZDY8R	FY-350ZDY8R	FY-500ZDY8R	FY-800ZDY8R	FY-01KZDY8R

Page						
P. 80	**Outdoor unit capacity**	**PACi**	**7,1 kW**	**10,0 kW**	**14,0 kW**	**20,0 kW**
		VRF	**4 HP**	**4 HP**	**5 HP**	**8 HP**
	Air curtain with DX coil					
			PAW-10PAIRC-LS-1 PAW-10PAIRC-HS-1	PAW-15PAIRC-LS-1 PAW-15PAIRC-HS-1	PAW-20PAIRC-LS-1 PAW-20PAIRC-HS-1	PAW-25PAIRC-LS-1 PAW-25PAIRC-HS-1
			PAW-10EAIRC-LS PAW-10EAIRC-HS	PAW-15EAIRC-LS PAW-15EAIRC-HS	PAW-20EAIRC-LS PAW-20EAIRC-HS	PAW-25EAIRC-LS PAW-25EAIRC-HS

AHU connection kit PAH3M for PACi NX and PACi

CONEX Bluetooth® version (CZ-RTC6BL) is built-in.
Easy connection and set-up is possible via Bluetooth®.
0-10 V demand control with optional interface (CZ-CAPBC2).

Reference		Nominal capacity		Air flow	Dimension	Weight	RRP
		Cooling	Heating	Min / Max	H x W x D		
		kW	kW	m³/h	mm	kg	£
3,6 kW	**PAW-280PAH3M-1**	3,6	4,0	540/870	500 x 400 x 150	11,5	**1,773**
5,0 kW	**PAW-280PAH3M-1**	5,0	5,6	630/990	500 x 400 x 150	11,5	**1,773**
6,0 kW	**PAW-280PAH3M-1**	6,0	7,0	780/1320	500 x 400 x 150	11,5	**1,773**
7,5 kW	**PAW-280PAH3M-1**	7,1	8,0	780/1320	500 x 400 x 150	11,5	**1,773**
10,0 kW	**PAW-280PAH3M-1**	10,0	11,2	900/2160	500 x 400 x 150	11,5	**1,773**
12,5 kW	**PAW-280PAH3M-1**	12,5	14,0	1140/2280	500 x 400 x 150	11,5	**1,773**
14,0 kW	**PAW-280PAH3M-1**	14,0	16,0	1200/2400	500 x 400 x 150	11,5	**1,773**
20,0 kW	**PAW-280PAH3M-1**	19,5	22,4	2160/4320	500 x 400 x 150	11,5	**1,773**
25,0 kW	**PAW-280PAH3M-1**	23,2	28,0	2280/5040	500 x 400 x 150	11,5	**1,773**

Piping information										
Model	**kW**	**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	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - ⅝	⅜ - 1	½ - 1
Pipe length range (Standard)	m	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 ~ 50	5 ~ 85	5 ~ 85	5 ~ 85	5 ~ 90	5 ~ 60
Elevation difference (in / out)	m	30	30	30	30	30	30	30	30	30

NEW 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.

New 2024

Reference		Nominal capacity		Air flow	Dimension	Weight	RRP
		Cooling	Heating	Min / Max	H x W x D		
		kW	kW	m³/h	mm	kg	£
6 HP	**PAW-P+100MAH4M**	16,0	17,0	—	300 x 400 x 150	11	**TBC**
12 HP	**PAW-P+100MAH4M**	33,5	37,5	—	300 x 400 x 150	11	**TBC**
16 HP	**PAW-P+100MAH4M**	45,0	50,0	—	300 x 400 x 150	11	**TBC**

Piping information								
Model	**HP**	**5**	**6**	**8**	**10**	**12**	**14**	**16**
Piping diameter (liquid - gas) ⩽ 90 m	Inch	⅜ - ⅝	⅜ - ⅝	⅜ - ¾	⅜ - ⅞	½ - 1 ⅛	½ - 1 ⅛	½ - 1 ⅛
Piping diameter (liquid - gas) > 90 m [1]		—	—	½ - ⅞	½ - 1 ⅛	⅝ - 1 ⅛	⅝ - 1 ⅛	⅝ - 1¼
Pipe length range	m	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

1) For R410A models only.

AHU connection kit / system combination						
Cooling capacity		**Mini VRF**		**2-Pipe VRF**	**AHU connection kit**	**EEV pack**
		Mini ECOi LZ2 Series (R32)	**Mini ECOi LE2 Series (R410A)**	**ECOi EX ME2 Series**		
6 HP	**16,0 kW**	U-5LZ2E5(8) U-6LZ2E5(8)	U-5LE2E5(8) U-6LE2E5(8)	—	PAW-P+100MAH4M	PAW-P+116EEVPACK
12 HP	**33,5 kW**	U-8LZ2E8 U-10LZ2E8	U-8LE1E8 U-10LE1E8	U-8ME2E8 U-10ME2E8 U-12ME2E8	PAW-P+100MAH4M	PAW-P+133EEVPACK
16 HP	**45,0 kW**	—	—	U-14ME2E8 U-16ME2E8	PAW-P+100MAH4M	PAW-P+145EEVPACK

Accessories		**RRP £**
PAW-P+102SENSPACK	AHU connection kit sensor pack 1 (2 pcs of SENSOR PT1000 HT IP67 -50/250 CABLE 6 m PCK)	**TBC**
PAW-P+116EEVPACK	EEV pack 1 (1 pc of expansion valve ⩽ 16 kW (R410A / R32) and 1 pc of UNIPOLAR stator)	**TBC**
PAW-P+133EEVPACK	EEV pack 2 (1 pc of expansion valve ⩽ 33 kW (R410A / R32) and 1 pc of UNIPOLAR stator)	**TBC**

Accessories		**RRP £**
PAW-P+145EEVPACK	EEV pack 3 (1 pc of expansion valve ⩽ 45 kW (R410A / R32) and 1 pc of UNIPOLAR stator)	**TBC**
PAW-P+100PGNEPACK	Remote control pack (1 pc of PGNE 132 x 64 mm, mounting panel and 1 pc of cable L= 1,5 m, telephone connectors)	**TBC**

AHU connection kit MAH3M for ECOi and ECO G

Available with ECOi and ECO G Series.
CONEX Bluetooth® version (CZ-RTC6BL) is built-in.
0-10 V demand control with optional interface (CZ-CAPBC2).

Reference		Nominal capacity		Air flow	Dimension	Weight	RRP
		Cooling	Heating	Min / Max	H x W x D		
		kW	kW	m³/h	mm	kg	£
5 HP	PAW-160MAH3M	14,0	16,0	2598 / 1140	278 x 278 x 180	11.5	1,695
10 HP	PAW-280MAH3M	28,0	31,5	4998 / 3498	278 x 278 x 180	11.5	1,850
20 HP	PAW-560MAH3M	56,0	63,0	10002 / 7002	278 x 278 x 180	11.5	2,062
30 HP	PAW-280MAH3M + PAW-560MAH3M	84,0	95,0	15000 / 10500	278 x 278 x 180	11.5	3,912
40 HP	PAW-560MAH3M + PAW-560MAH3M	112,0	127,0	19998 / 13998	278 x 278 x 180	11.5	4,124
50 HP	PAW-560MAH3M + PAW-560MAH3M + PAW-280MAH3M	140,0	155,0	24996 / 17496	278 x 278 x 180	11.5	5,974
60 HP	PAW-560MAH3M + PAW-560MAH3M + PAW-560MAH3M	168,0	189,0	30000 / 21000	278 x 278 x 180	11.5	6,186

Piping information

Model	HP	5	10	20	30	40	50	60
Piping diameter (liquid - gas)	Inch	3/8 - 5/8	3/8 - 7/8	5/8 - 1 1/8	3/4 - 1 1/4	3/4 - 1 1/2	3/4 - 1 1/2	3/4 - 1 1/2
Pipe length range	m	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

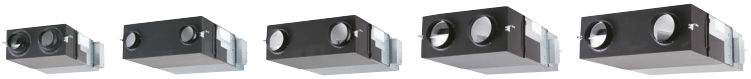
AHU connection kit / system combination

Capacity		ECOi Series			AHU kit		
5 HP	16 kW	All ECOi			160MAH3	—	—
10 HP	28 kW	U-10ME2E8	—	—	280MAH3	—	—
20 HP	56 kW	U-20ME2E8	—	—	560MAH3	—	—
30 HP	84 kW	U-16ME2E8	U-14ME2E8	—	560MAH3	280MAH3	—
40 HP	112 kW	U-20ME2E8	U-20ME2E8	—	560MAH3	560MAH3	—
50 HP	140 kW	U-18ME2E8	U-16ME2E8	U-16ME2E8	560MAH3	560MAH3	280MAH3
60 HP	168 kW	U-20ME2E8	U-20ME2E8	U-20ME2E8	560MAH3	560MAH3	560MAH3

Capacity		ECO G Series	AHU kit
5 HP	16 kW	All ECO G	160MAH3
10 HP	28 kW	All ECO G	280MAH3
20 HP	56 kW	U-20GE3E5	560MAH3

Energy recovery ventilation

Slim shape and easy installation.
Recovers up to 75% of the heat in the outgoing air.



Reference			Air flow	External static pressure	Temperature exchange efficiency	Dimension	Weight	RRP
			Min / Max	Extra Hi / Hi / Lo		H x W x D		
			m³/h	Pa	%	mm	kg	£
1ph	250 m³/h	FY-250ZDY8R	190 / 250	105 / 95 / 45	75	270 x 599 x 882	29	1,315
	350 m³/h	FY-350ZDY8R	240 / 350	140 / 60 / 45	75	317 x 804 x 1050	49	1,722
	500 m³/h	FY-500ZDY8R	440 / 500	120 / 60 / 35	75	317 x 904 x 1090	57	2,079
	800 m³/h	FY-800ZDY8R	630 / 800	140 / 110 / 55	75	388 x 884 x 1322	71	2,746
	1000 m³/h	FY-01KZDY8R	700 / 1000	105 / 80 / 75	75	388 x 1134 x 1322	83	3,057

Advanced energy recovery ventilation

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	Hi		H x W x D		
			m³/h	Pa	%	mm	kg	£
1ph	150 m³/h	FV-15ZY1G	150	100	83	289 x 610 x 860	23	1,477
	250 m³/h	FV-25ZY1G	250	120	82	289 x 735 x 860	27	1,616
	350 m³/h	FV-35ZY1G	350	140	83	331 x 874 x 968	37	1,930
	500 m³/h	FV-50ZY1G	500	130	81	331 x 1016 x 968	40	2,005
	650 m³/h	FV-65ZY1G	650	150	82	404 x 954 x 1008	48	2,307
	800 m³/h	FV-80ZY1G	800	150	83	404 x 1004 x 1224	60	2,660
	1000 m³/h	FV-1KZY1G	1000	150	82	404 x 1231 x 1224	64	3,103
	1500 m³/h	FV-1HZY1G	1500	130	83	808 x 1004 x 1224	119	5,274
	2000 m³/h	FV-2KZY1G	2000	130	82	808 x 1231 x 1224	142	6,570

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

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 Hi / Lo	Consumption Hi / Lo	Dimension H x W x D	Weight	RRP
		mm	m³/h	W	mm	kg	£
1ph	FY-3009U1	900	1100/920	76/70	231,5 x 900 x 212	12,0	777
	FY-3012U1	1200	1400/1270	94/85	231,5 x 1200 x 212	14,5	871
	FY-3015U1	1500	2000/1800	131/110	231,5 x 1500 x 212	18,0	1,020

Air curtain with DX coil coil, connected to PACi systems

Compatible with R32 and R410A refrigerant.
Simple structure for easy installation and maintenance.
Easy redirection of air flow with manual deflector.

Reference			Maximum capacity Cooling [1]	Maximum capacity Heating [2]	Air flow Hi	Dimension [3] H x W x D	Weight	RRP
			kW	kW	m³/h	mm	kg	£
1ph	Air outlet height 2,7 m	PAW-10PAIRC-LS-1	6,1	7,9	1800	260 (+140) x 1000 x 460	50	8,439
		PAW-15PAIRC-LS-1	9,7	12,0	2700	260 (+140) x 1500 x 460	65	9,842
		PAW-20PAIRC-LS-1	13,0	15,0	3600	260 (+140) x 2000 x 460	80	11,096
		PAW-25PAIRC-LS-1	17,0	19,0	4500	260 (+140) x 2500 x 460	95	12,431
	Air outlet height 3,0 m	PAW-10PAIRC-HS-1	9,1	11,8	2700	260 (+140) x 1000 x 460	55	8,795
		PAW-15PAIRC-HS-1	13,0	15,8	3600	260 (+140) x 1500 x 460	65	10,123
		PAW-20PAIRC-HS-1	19,5	23,6	5400	260 (+140) x 2000 x 460	85	11,587
		PAW-25PAIRC-HS-1	23,7	27,6	6300	260 (+140) x 2500 x 460	110	12,689

LS / PACi outdoor combination*	PACi Elite			PACi Standard		
Operation until	40 °C	35 °C	30 °C	40 °C	35 °C	30 °C
PAW-10PAIRC-LS-1	U-100	U-100	U-50	U-100	U-100	U-60
PAW-15PAIRC-LS-1	U-200	U-100	U-100	—	U-100	U-100
PAW-20PAIRC-LS-1	U-200	U-140	U-100	—	—	U-100
PAW-25PAIRC-LS-1	U-250	U-200	U-125	—	—	U-125

HS / PACi outdoor combination*	PACi Elite			PACi Standard		
Operation until	40 °C	35 °C	30 °C	40 °C	35 °C	30 °C
PAW-10PAIRC-HS-1	U-200	U-100	U-100	—	U-100	U-100
PAW-15PAIRC-HS-1	U-200	U-200	U-100	—	U-200	U-100
PAW-20PAIRC-HS-1	—	U-250	U-200	—	U-250	—
PAW-25PAIRC-HS-1	—	U-250	U-200	—	U-250	—

1) Cooling capacity DX coil, air temperature in / out +27 / +18 °C, R32 and R410. 2) Heating capacity condenser, air temperature in / out +20 / +33 °C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary. 3) 140 mm is the height of an electrical box if it is installed on the top. * Available with PZH2 and PZ2. PZH3 and PZ3 will be compatible from Spring 2024.

Air curtain with DX coil, connected to VRF systems

Compatible with R32 and R410A refrigerant.
Simple structure for easy installation and maintenance.
Easy redirection of air flow with manual deflector.

Reference			Maximum capacity Cooling [1]	Maximum capacity Heating [2]	Air flow Hi	Dimension [3] H x W x D	Weight	RRP
			kW	kW	m³/h	mm	kg	£
1ph	Air outlet height 2,7 m	PAW-10EAIRC-LS	6,1	7,9	1800	260 (+140) x 1000 x 460	50	9,120
		PAW-15EAIRC-LS	9,7	12,0	2700	260 (+140) x 1500 x 460	65	10,772
		PAW-20EAIRC-LS	13,0	15,0	3600	260 (+140) x 2000 x 460	80	12,119
		PAW-25EAIRC-LS	17,0	19,0	4500	260 (+140) x 2500 x 460	95	13,560
	Air outlet height 3,0 m	PAW-10EAIRC-HS	9,1	11,8	2700	260 (+140) x 1000 x 460	55	9,502
		PAW-15EAIRC-HS	13,0	15,8	3600	260 (+140) x 1500 x 460	65	11,070
		PAW-20EAIRC-HS	19,5	23,6	5400	260 (+140) x 2000 x 460	85	12,643
		PAW-25EAIRC-HS	23,7	27,6	6300	260 (+140) x 2500 x 460	110	13,833

LS / VRF outdoor combination			
Operation until	40 °C	35 °C	30 °C
PAW-1EAIRC-LS	U-4	U-4	U-4
PAW-15EAIRC-LS	U-6	U-5	U-4
PAW-20EAIRC-LS	U-8	U-6	U-4
PAW-25EAIRC-LS	U-8	U-8	U-5

HS / VRF outdoor combination			
Operation until	40 °C	35 °C	30 °C
PAW-10EAIRC-HS	U-6	U-5	U-4
PAW-15EAIRC-HS	U-8	U-6	U-4
PAW-20EAIRC-HS	U-8	U-8	U-8
PAW-25EAIRC-HS	U-12	U-10	U-8

1) Cooling capacity DX coil, air temperature in / out +27 / +18 °C, R32 and R410. 2) Heating capacity condenser, air temperature in / out +20 / +33 °C, R32 and R410. In the case of lower outdoor temperatures, an outdoor model with higher capacity may be necessary. 3) 140 mm is the height of an electrical box if it is installed on the top. * Also compatible with ECO G Series (GE3 and GF3) and Hybrid Serie.

Ceiling mounted air-e nanoe X Generator

nanoe™ X (Generator Mark 1).
Silent operation.
Low power consumption.

Reference		Air flow	Consumption	Sound pressure	Dimension		Net weight	RRP
					Panel	Hole size		
		m³/h	W	dB(A)	mm	mm	kg	£
1ph	FV-15CSD1G	16	4	25,5	Ø200	Ø145	1,1	349

Ceiling mounted air-e nanoe X Generator

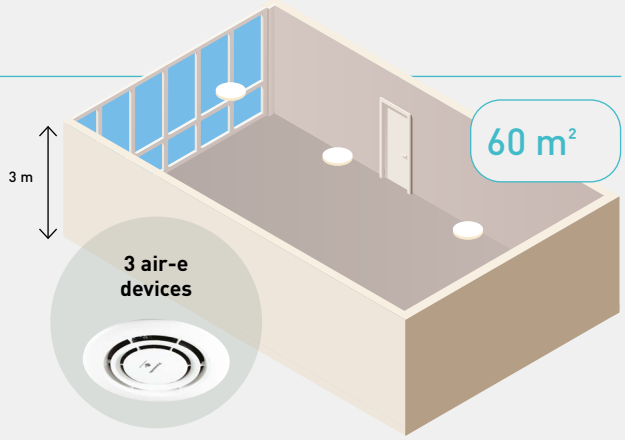
air-e™

Bringing nature's balance indoors.
Deodorises and inhibits certain bacteria, viruses, mould, pollens and allergens for better indoor air quality.

One device is suitable for around 20 m² (with a ceiling height 3 m)

Ex. 3 air-e devices are required for the room size 60 m².

The nanoe™ X performance varies depending on the room size, environment and usage. nanoe™ X is not a medical device.



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	TBC
EEV pack 1 (1 pc of expansion valve ≤ 16 kW (R410A / R32) and 1 pc of UNIPOLAR stator)	PAW-P+116EEVPACK	TBC
EEV pack 2 (1 pc of expansion valve ≤ 33 kW (R410A / R32) and 1 pc of UNIPOLAR stator)	PAW-P+133EEVPACK	TBC
EEV pack 3 (1 pc of expansion valve ≤ 45 kW (R410A / R32) and 1 pc of UNIPOLAR stator)	PAW-P+145EEVPACK	TBC
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	TBC

Optional parts for AHU connection kit		RRP £
 Design wired remote controller with Econavi function and datanavi.	CZ-RTC5B	165
 Mini series parallel device controlling indoor units, maximum 1 group and 8 indoor unit.	CZ-CAPBC2	311
 Cable for all the T10 functions.	CZ-T10	56
 Cable for all option monitoring signals.	PAW-OCT	56

Advanced energy recovery ventilation accessories		RRP £
Replacement high efficiency filter for FV-15ZY1G.	FV-FP15ZY1G	56
Replacement high efficiency filter for FV-25ZY1G.	FV-FP25ZY1G	60
Replacement high efficiency filter for FV-35ZY1G.	FV-FP35ZY1G	71
Replacement high efficiency filter for FV-50ZY1G.	FV-FP50ZY1G	79
Replacement high efficiency filter for FV-65ZY1G.	FV-FP65ZY1G	85
Replacement high efficiency filter for FV-80ZY1G and FV-1HZY1G*.	FV-FP80ZY1G	90
Replacement high efficiency filter for FV-1KZY1G and FV-2KZY1G*.	FV-FP1KZY1G	100

Chillers and heat pumps, fan coils, water source heat pumps and rooftops

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

New **2024**

New ECOi-W AQUA-Z EVO 20-50 H with Inverter compressor.

- Air to water reversible heat pumps with R32 refrigerant
- 4 sizes from 20 to 50 kW
- Single Inverter compressor and Inverter pump
- Compact unit: 1,7 m maximum height
- External water tank designed to direct easy fitting to the unit

New ECOi-W AQUA-Z DC 150-380 C/H R32 double circuit solution.

- Air to water chillers and heat pumps with R32 refrigerant
- 10 sizes from 150 to 380 kW
- Double circuit, 4 scroll compressors / 2 refrigerant circuits
- Acoustic configurations: standard or super low noise
- Internal water tank: no impact on the unit footprint

New ECOi-RT-Z 40-50 C/H R32 rooftop.

- Cooling only and reversible version with R32 refrigerant
- Very compact chassis from 40 to 50 kW
- Double skin (standard)
- Many aeraulic configurations
- Dehumidification
- Fresh air preheating
- Air quality management (option)

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

· Air to water reversible heat pumps
· Natural refrigerant R290 with GWP 3
· 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.

Our hydronic systems offer the perfect combination of comfort and high efficiency. They are perfect for any type of building.
· 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

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

Rooftops

With rooftop units, you get a complete compact and mono-bloc solution to heat and cool large buildings such as shopping centers, 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

Fan coils.

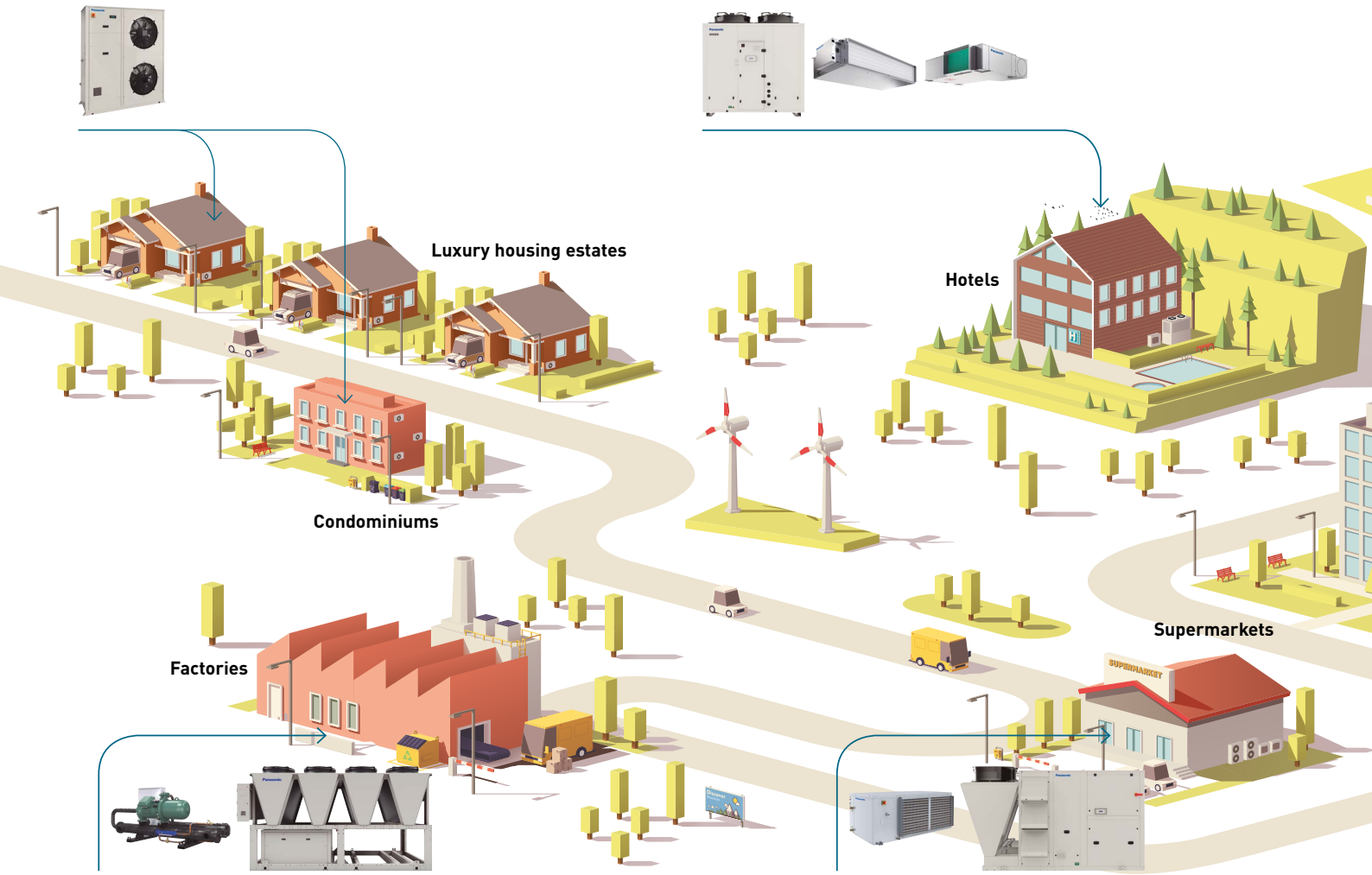
A large range of fan coil units dedicated to energy savings, comfort, flexibility and quality. Fully customisable thanks to the numerous options and accessories available. Silent and low consumption units for any installation: hotels, shops, restaurants, offices or residential applications.

A wide coverage of application

Energy efficiency, high performance and comfort.

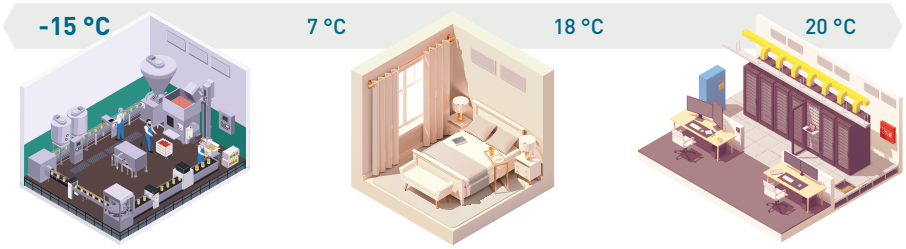
Chillers and heat pumps.
In residential applications a good indoor climate is important to ensure greater comfort and well-being. Our chillers and heat pump units with small capacities and DHW management are the ideal solutions.

Chillers and heat pumps, fan coils and water source heat pumps.
Ensuring a comfortable environment for the guests is the main challenge in all the types of hotel.
Panasonic offers a complete system thanks to the wide capacity range of its chillers, the design and low-noise operation of its fan coil units and the zone independent management of different spaces with its water source heat pumps.



Chillers and heat pumps.
Factories have high energy requirements. Panasonic chillers and heat pumps can meet this need due to the available capacity ranges. They also have high seasonal performance and are easy to install and maintain.

Chiller application temperatures.



Process cooling.
Food and wine, plastic and chemical industry.

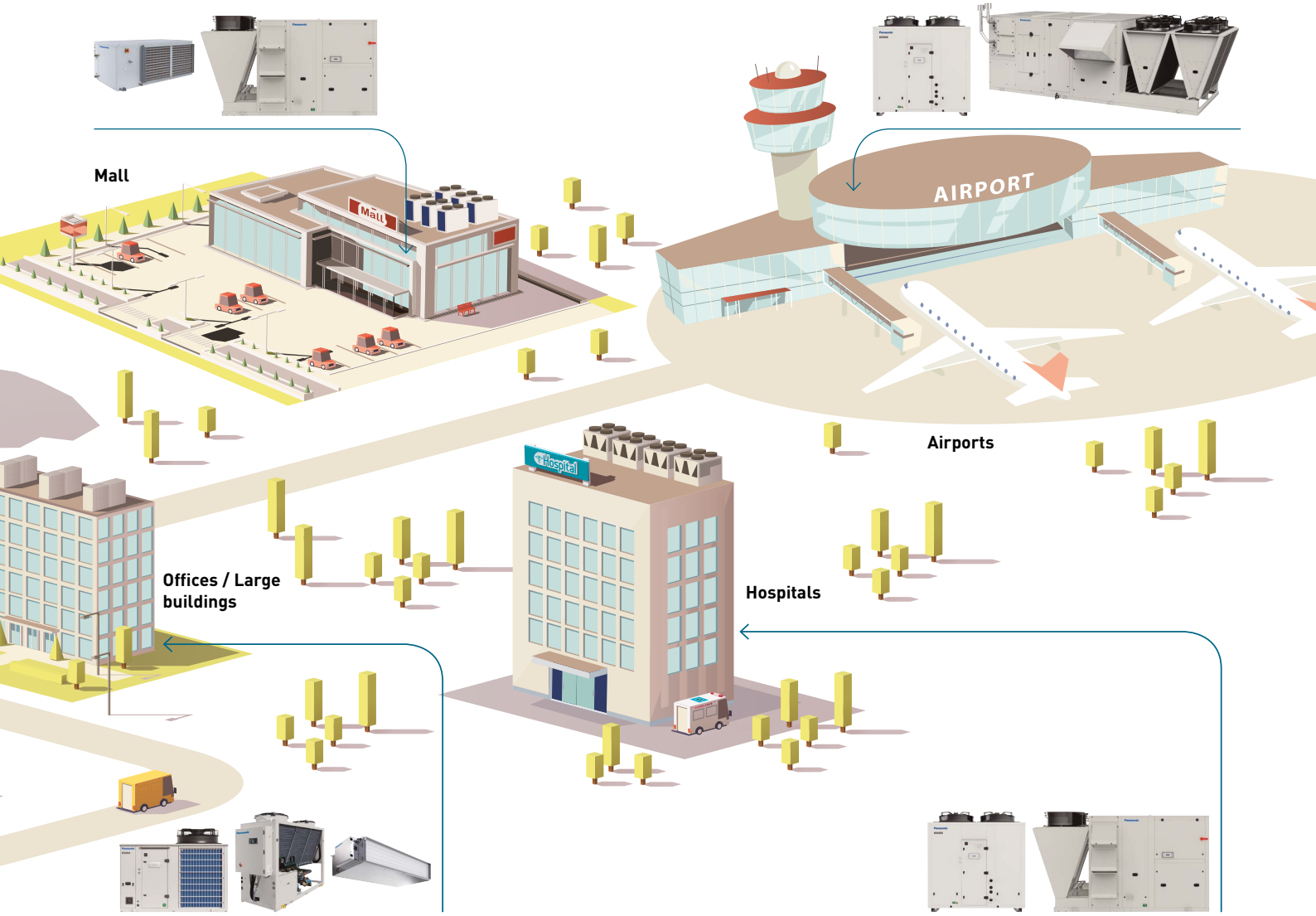
Comfort.
Fan coils, chilled beams, radiant floor.

IT cooling.
Server rooms, data centres.

Water source heat pumps and rooftops.
For supermarket applications, Panasonic has a wide range of solutions suitable to satisfy the required conditions: rooftops units can manage indoor ambient temperature and control the air quality, water source heat pumps have high efficiency and can allow independent zone management.

Water source heat pumps and rooftops.
Comfort and air conditioning needs in commercial buildings must take into account the high demand for energy, the high number of people during the day, and the need to heat or cool quickly, changing loads and constantly renewing air. Rooftops are the ideal solutions due to their high capacities and high air flow that ensures better air quality. Water source heat pumps, on the other hand, provide accurate local control of different spaces, with high reliability and allow the overall energy consumption to be broken down by zone.

Chillers and heat pumps, and rooftops.
Energy consumption at airports has significant variability, and the number of users and passengers fluctuates throughout the day. For optimal air quality management and to meet the large energy needs of facilities, Panasonic offers a wide range of solutions like chillers and heat pumps and rooftops that guarantee high efficiency and minimise waste energy consumption.



Chillers and heat pumps, and fan coils.
In offices, indoor climate is important for staff productivity and health. Panasonic chillers, heat pumps and fan coil units help create comfortable environments with high temperature control. Thanks to their natural refrigerant, R290 units are also the best solution for achieving high performance with reduced impact on the environment.

Chillers and heat pumps, and rooftops.
Hospitals require a high level of air quality and precise temperature control. Rooftop units are the best solutions due to their reliability and ability to provide fresh air through cooling, heating and ventilation of the building. The chiller and heat pump ranges help create an optimal indoor climate through their high performance and capacity. Our R32 ranges also have a low impact on the environment due to their low-GWP refrigerant.

Solutions for hospitals

ECOi-W Series offers a reliable solution with an optimised design for service and maintenance, making it ideal for hospital applications. Remote monitoring through the ECOi-W Cloud offers enhanced service support and a highly efficient fan coil range delivers increased comfort.

1

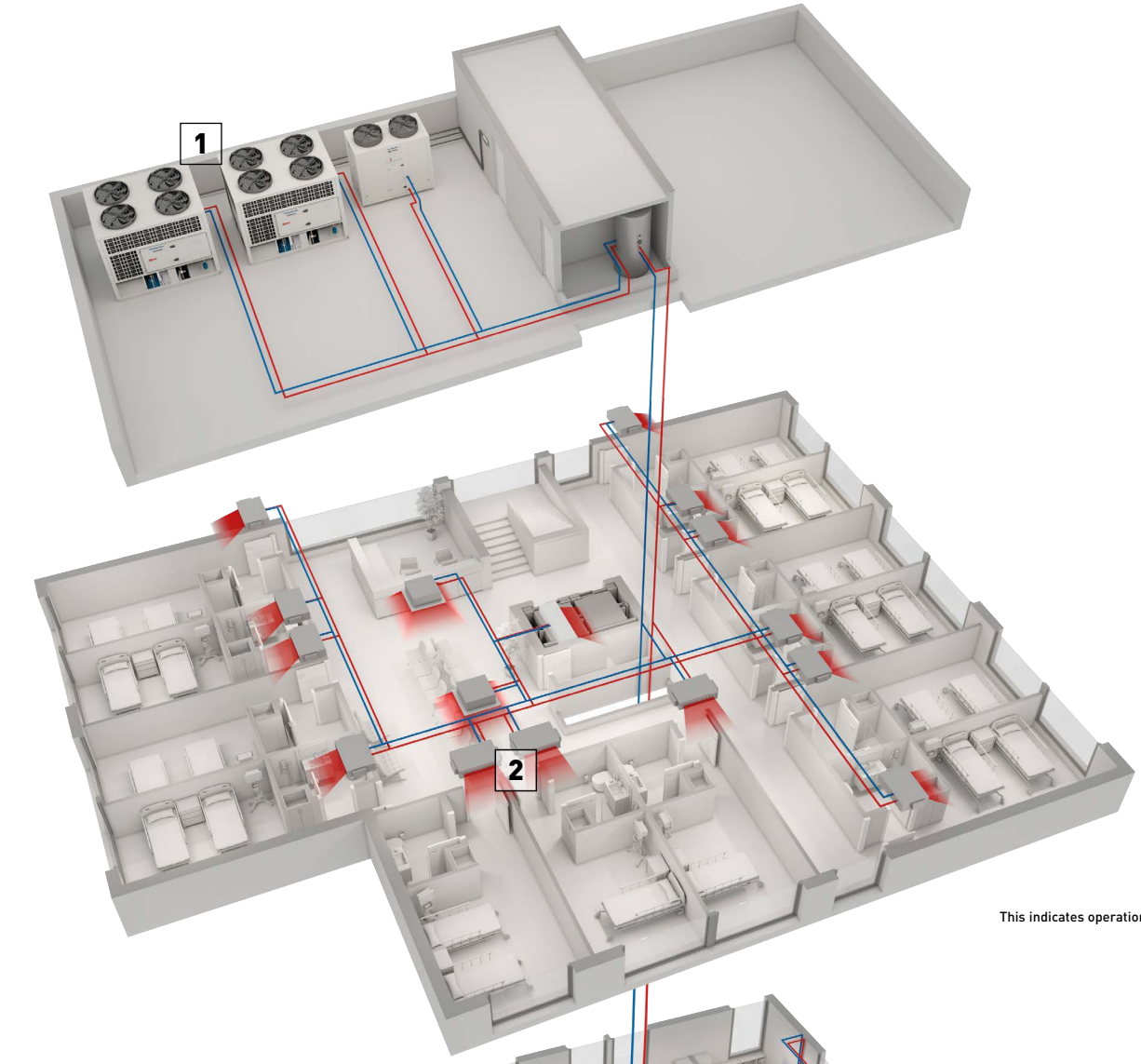
High quality chillers and heat pumps.
ECOi-W Series provides a fully customisable design to meet the business application needs, with a capacity range from 20 kW to 1650 kW. Reliable quality and an optimised design for service and maintenance are ideal for hospital projects.

2

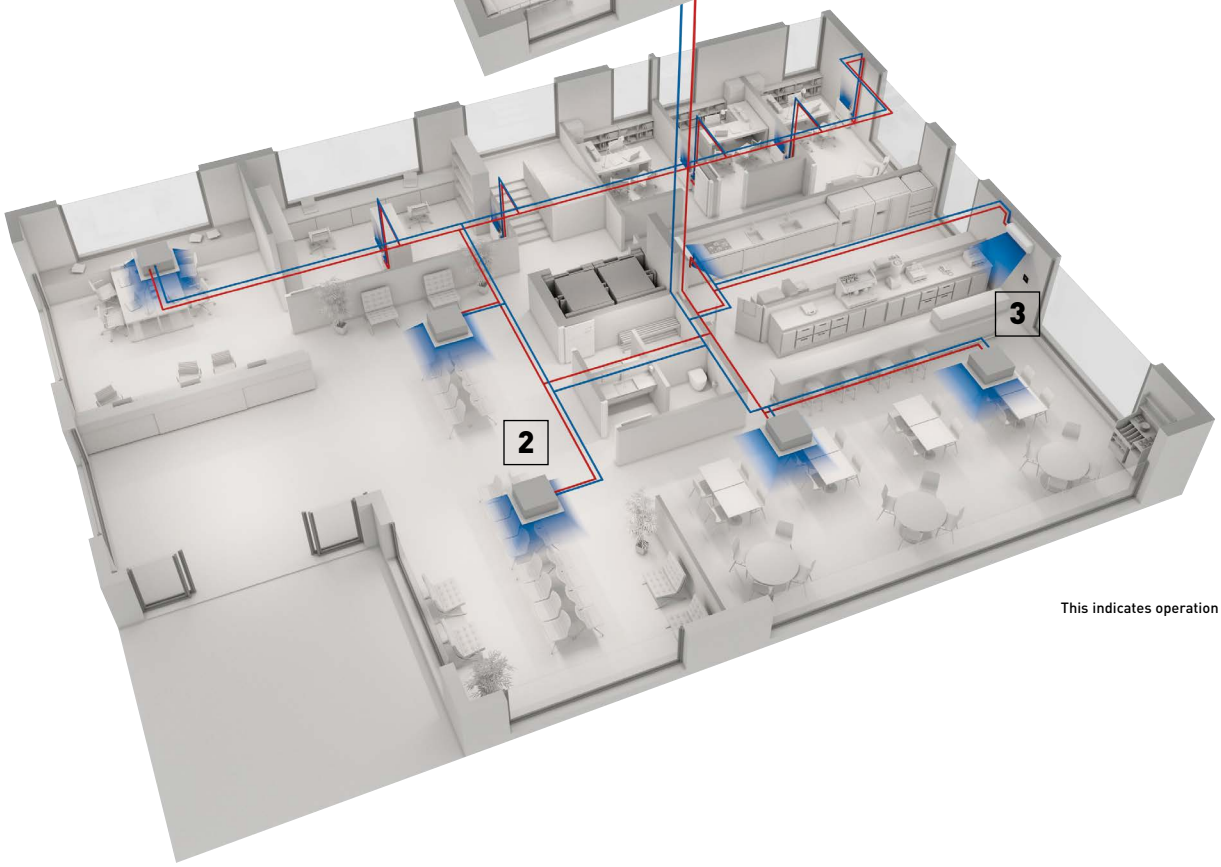
A wide variety of fan coils.
A wide variety of units to suit your needs, with flexible installation options. High efficiency and low noise operation allows for optimum comfort.
Operation in both heating and cooling is possible.

3

Intuitive controllers for fan coils.
Controllers with sophisticated designs provide a user friendly interface. An easy and low cost integration to building management systems.



This indicates operation in winter.



This indicates operation in summer.

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

Air to water reversible heat pumps.

Introducing a revolutionary solution for sustainable cooling and heating needs, ECOi-W AQUA-G BLUE powered by R290, a natural refrigerant. Delivering both sustainability and efficiency in one innovative package.

The future of efficient commercial air to water heat pumps.

R290
NATURAL REFRIGERANT

50 kW | 60 kW | 70 - 80 kW

Natural refrigerant R290 with GWP 3

Reliable quality

Scroll compressors

HIGH SEER Max. 4,4[1] HIGH SCOP Max. 3,9[2]

High seasonal efficiency

A++[3]

High energy efficiency class

DHW management

70 °C

Maximum 70 °C leaving water temperature

Quiet operation

640 kW

Boost the capacity up to 640 kW

1) Size 50. According EN14825 and Following COMMISSION REGULATION (EU) 2016/2281.2) Size 70. According EN14825 and Following COMMISSION REGULATION (EU) No 813/2013. 3) (Scale A+++ to D). According EN14825 and Following COMMISSION REGULATION (EU) No 813/2013.

Air cooled heat pumps R290.

Care about the environment and get greater efficiency.
ECOi-W AQUA-G BLUE is born from a perfect combination of new green technology and our existing ECOi-W product range already known for its performance and reliability.
It operates with the natural R290 refrigerant that offers greater efficiency while having almost no impact on the environment with one of the lowest **GWP (Global Warming Potential): only 3!**
Make the choice to reach incredible efficiencies, extend the operating limits, and contribute to environmental preservation.

Quick selection guide - Air cooled chillers

Page	Size	Cooling capacity (kW)	SEER	Sound power (dB(A))	Dimension L x W x H (mm)
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. 99	45	45,3	4,40	80	2180 x 1986 x 1160
	55	52,0	4,53	80	2180 x 1986 x 1160
	65	66,1	4,53	80	2180 x 1986 x 1160
	75	73,1	4,68	80	2180 x 1986 x 1160
P. 100	90	90,9	4,45	83	2180 x 2286 x 1160
	105	104,0	4,50	83	2180 x 2286 x 1160
	125	123,0	4,55	83	2180 x 2286 x 1160
	140	132,0	4,40	85	2856 x 2295 x 2210
	150	146,0	4,45	85	2856 x 2295 x 2210
	170	164,0	4,38	87	2856 x 2321 x 2210
P. 101	190	181,0	4,40	88	2856 x 2321 x 2210
	210	208,0	4,25	88	2856 x 2321 x 2210
ECOi-W AQUA-Z C · R32	50	51,6	4,60	83	2180x 1986 x 1160
	60	57,6	4,59	84	2180x 1986 x 1160
	70	69,7	4,61	81	2180x 1986 x 1160
	75	78,2	4,72	81	2180x 1986 x 1160
P. 102	85	82,8	4,45	84	2180x 2286 x 1160
	100	100,0	4,88	86	2180x 2286 x 1160
	115	116,0	4,59	87	2180x 2286 x 1160
	130	126,0	4,43	87	2180x 2286 x 1160
	150	154,0	4,70	89	3789 x 2285 x 1151
P. 103	170	173,0	4,68	91	3789 x 2285 x 1151
NEW ECOi-W AQUA-Z DC H · R32	150	151,0	4,93	87,5	2240 x 1152 x 3795
	170	167,0	4,80	88,5	2240 x 1152 x 3795
	190	189,0	4,68	91	2250 x 2211 x 2678
	210	211,0 Tentative data	4,69	91,4	2250 x 2211 x 2678
P. 104	230	233,0	4,37	92	2250 x 2211 x 2678
	260	262,0	4,33	92,8	2250 x 2211 x 2678
	290	302,0	4,47	93	2250 x 2211 x 3801
	320	322,0	4,34	94,2	2250 x 2211 x 3801
	350	348,0	4,51	95,2	2250 x 2211 x 3801
	380	382,0	4,63	95,4	2250 x 2211 x 3801

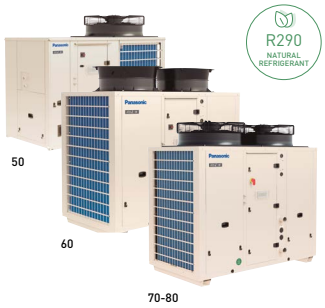
* Dimensions without water tank.

Quick selection guide - Air cooled chillers

Page	Size	Cooling capacity (kW)	SEER	Sound power (dB(A))	Dimension L x W x H (mm)
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
P. 105	125	121,9	4,73	88	3155 x 2185 x 1095
	140	136,6	4,53	88	3155 x 2185 x 1095
ECOi-W AQUA EVO C · R410A	140	144,0	4,45	90	4000 x 2500 x 1100
	170	169,0	4,28	90	4000 x 2500 x 1100
	230	231,0	4,25	92	3500 x 2500 x 2150
	260	263,0	4,25	93	3500 x 2500 x 2150
P. 107	280	284,0	4,23	93	3500 x 2500 x 2150
	300	310,0	4,18	94	4550 x 2500 x 2150
	330	331,0	4,20	95	4550 x 2500 x 2150
	360	362,0	4,10	95	4550 x 2500 x 2150
	400	398,8	4,48	92	4580 x 2500 x 2175
	450	446,1	4,43	93	5620 x 2500 x 2175
	490	487,7	4,50	93	6680 x 2500 x 2175
P. 108	530	533,9	4,38	94	6680 x 2500 x 2175
	600	597,1	4,58	94	7760 x 2500 x 2175
	670	667,3	4,65	94	7760 x 2500 x 2175
	750	748,3	4,48	95	8900 x 2500 x 2175
	800	797,9	4,50	95	8900 x 2500 x 2175
ECOi-W SW-N EVO C · R513A	380	365,7	4,53	97	4660 x 2510 x 2192
	440	443,0	4,66	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
P. 109	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

* Dimensions without water tank.

Quick selection guide - Air cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension L x W x H (mm)
ECOi-W AQUA EVO H · R410A					
	20	21,0 / 20,4	**3,30 / 3,75**	74	1477 x 1615 x 539
P. 96	30	28,0 / 26,1	**3,98 / 3,68**	75	1477 x 1615 x 539
NEW ECOi-W AQUA-Z EVO H · R32		Sizes from 20 to 50 Coming soon Spring 2024			
					
P. 97					
ECOi-W AQUA-G BLUE H · R290	50	48,2 / 49,2	**4,40 / 3,70**	83	2215 x 1730 x 1032
	60	56,1 / 61,1	**4,30 / 3,70**	84	2180 x 2011 x 1160
P. 44	70	64,9 / 73,5	**4,30 / 3,90**	85	2180 x 2030 x 1160
	80	74,1 / 83,6	**4,20 / 3,80**	85	2180 x 2030 x 1160
ECOi-W AQUA H · R410A	20	18,7 / 19,5	**4,68 / 3,50**	75	1000 x 1983 x 1000
	25	23,7 / 26,9	**4,31 / 3,38**	75	1000 x 1983 x 1000
P. 99	30	26,4 / 29,7	**4,28 / 3,45**	75	1000 x 1983 x 1000
	35	35,8 / 37,3	**4,25 / 3,50**	76	1000 x 1983 x 1000
	40	38,1 / 41,6	**4,33 / 3,50**	76	1000 x 1983 x 1000
	45	44,3 / 48,5	**4,20 / 3,38**	80	2180 x 1986 x 1160
	55	50,9 / 58,2	**4,41 / 3,38**	80	2180 x 1986 x 1160
	65	64,1 / 67,3	**4,51 / 3,55**	80	2180 x 1986 x 1160
P. 100	75	71,0 / 76,0	**4,63 / 3,53**	80	2180 x 1986 x 1160
	90	88,7 / 88,2	**4,40 / 3,40**	83	2180 x 2286 x 1160
	105	101,0 / 101,0	**4,44 / 3,43**	83	2180 x 2286 x 1160
	125	119,0 / 119,0	**4,49 / 3,43**	83	2180 x 2286 x 1160
	140	128,0 / 144,0	**4,39 / 3,30**	85	2856 x 2295 x 2210
	150	142,0 / 154,0	**4,36 / 3,33**	85	2856 x 2295 x 2210
P. 101	170	164,0 / 170,0	**4,31 / 3,30**	87	2856 x 2321 x 2210
	190	178,0 / 195,0	**4,23 / 3,28**	88	2856 x 2321 x 2210
	210	208,0 / 218,0	**4,28 / 3,23**	88	2856 x 2321 x 2210

* Dimensions without water tank.

Quick selection guide - Air cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension L x W x H (mm)
ECOi-W AQUA-Z H · R32	50	51,1 / 51,7	**4,46 / 3,63**	83	2180 x 1986 x 1160
	60	57,0 / 59,7	**4,42 / 3,51**	84	2180 x 1986 x 1160
	70	69,0 / 71,8	**4,51 / 3,49**	81	2180 x 1986 x 1160
	75	77,4 / 78,5	**4,61 / 3,56**	81	2180 x 1986 x 1160
P. 102 	85	82,0 / 86,5	**4,33 / 3,76**	84	2180 x 2286 x 1160
	100	99,3 / 107,6	**4,77 / 3,56**	86	2180 x 2286 x 1160
	115	115,0 / 122,3	**4,44 / 3,77**	87	2180 x 2286 x 1160
	130	125,0 / 137,5	**4,23 / 3,81**	87	2180 x 2286 x 1160
P. 103 	150	152,0 / 159,1	**4,59 / 3,78**	89	3789 x 2285 x 1151
	170	170,0 / 180,1	**4,49 / 3,70**	91	3789 x 2285 x 1151
NEW ECOi-W AQUA-Z DC H · R32 	150	150,0 / 154,0	**4,75 / 3,83**	87,5	2240 x 1152 x 3795
	170	166,0 / 166,0	**4,63 / 3,84**	88,5	2240 x 1152 x 3795
P. 104 	190	183,0 / 184,0	**4,49 / 3,45**	91	2250 x 2211 x 2678
	210	203,0 / 199,0	**4,45 / 3,49**	91,4	2250 x 2211 x 2678
	230	221,0 / 233,0	**4,17 / 3,54**	92	2250 x 2211 x 2678
	260	255,0 / 257,0	**4,16 / 3,51**	92,8	2250 x 2211 x 2678
	290	297,0 / 293,0	**4,33 / 3,39**	93	2250 x 2211 x 3801
	320	315,0 / 328,0	**4,34 / 3,45**	94,2	2250 x 2211 x 3801
	350	336,0 / 342,0	**4,41 / 3,40**	95,2	2250 x 2211 x 3801
	380	377,0 / 378,0	**4,42 / 3,56**	95,4	2250 x 2211 x 3801
ECOi-W AQV 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
P. 105 	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
	140	129,2 / 146,9	**4,28 / 3,54**	88	3155 x 2185 x 1095
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
P. 106 	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

* Dimensions without water tank.

Quick selection guide - Air cooled heat pumps

Page	Size	Cooling and heating capacity (kW)	SEER / SCOP	Sound power (dB(A))	Dimension L x W x H (mm)
ECOi-W AQUA EVO H · R410A	140	136,7 / 144,9	**3,80 / 3,39**	90	4000 x 2500 x 1100
	170	154,5 / 165,7	**3,95 / 3,42**	90	4000 x 2500 x 1100
	230	213,6 / 229,0	**4,13 / 3,46**	92	3500 x 2500 x 2150
	260	243,7 / 262,3	**4,05 / 3,48**	93	3500 x 2500 x 2150
	280	261,1 / 279,6	**4,10 / 3,44**	93	3500 x 2500 x 2150
	300	287,8 / 305,6	**3,83 / 3,51**	94	4550 x 2500 x 2150
	330	307,4 / 327,2	**3,80 / 3,44**	95	4550 x 2500 x 2150
	360	340,5 / 361,4	**3,93 / 3,48**	95	4550 x 2500 x 2150
	400	373,5 / 404,0	**4,65 / 3,62**	92	5620 x 2500 x 2175
	450	419,2 / 450,9	**4,53 / 3,62**	93	5620 x 2500 x 2175
	490	454,5 / 492,7	**4,70 / 3,53**	93	6680 x 2500 x 2175
	530	489,7 / 532,1	**4,55 / 3,53**	94	6680 x 2500 x 2175
	580	535,7 / 585,8	**4,33 / —**	94	7760 x 2500 x 2175
	620	581,5 / 627,7	**4,35 / —**	95	8800 x 2500 x 2175
	670	625,4 / 677,8	**4,30 / —**	95	8800 x 2500 x 2175
	750	701,4 / 758,3	**4,30 / —**	95	9950 x 2500 x 2175
	800	748,1 / 807,3	**4,35 / —**	95	9950 x 2500 x 2175

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* Dimensions without water tank.

Quick selection guide - Air cooled condensing units

Page	Size	Cooling capacity (kW)	EER	Sound power (dB(A))	Dimension L x W x H (mm)
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
P. 99	35	43,1	2,90	76	1000 x 1983 x 1000
	40	44,8	2,99	76	1000 x 1983 x 1000
	45	57,4	2,94	80	2180 x 1986 x 1160
	55	64,5	2,89	80	2180 x 1986 x 1160
	65	72,4	2,97	80	2180 x 1986 x 1160
P. 100	75	79,3	2,91	80	2180 x 1986 x 1160
	90	104,0	2,65	83	2180 x 2286 x 1160
	105	120,0	2,79	83	2180 x 2286 x 1160
	125	136,0	2,66	83	2180 x 2286 x 1160
ECOi-W AQV 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
P. 105	115	121,8	3,30	84	2555 x 2185 x 1095
	125	134,7	3,23	88	3155 x 2185 x 1095
	140	151,0	3,23	88	3155 x 2185 x 1095
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
P. 106	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
ECOi-W AQUA EVO E · R410A	140	165,0	3,61	90	4000 x 2500 x 1100
	170	193,4	3,48	90	4000 x 2500 x 1100
	230	250,3	3,36	92	3500 x 2500 x 2150
	260	288,4	3,42	93	3500 x 2500 x 2150
P. 107	280	312,7	3,42	93	3500 x 2500 x 2150
	300	337,2	3,39	94	4550 x 2500 x 2150
	330	361,2	3,45	95	4550 x 2500 x 2150
	360	394,5	3,37	95	4550 x 2500 x 2150

* 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]	ErP data [2]		Heating capacity [3]	ErP data [4] [5]			ErP data [4] [6]			Sound power [7]	Dimension	Operating weight	RRP
			SEER	$n_{s,c}$		SCOP	Energy efficiency class	$n_{s,h}$	SCOP	Energy efficiency class	$n_{s,h}$		H x W x L		
		kW			kW		A+++ to D			A+++ to D		dB(A)	mm	kg	£
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 water connections (evaporator)		Male gas threaded	Male gas threaded
Water inlet/outlet diameter	Inch	1¼	1¼

1) According EN14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN14825 standard. 3) According EN14511-2013: 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 EN14825 standard - low temperature application (35 °C). 6) According to EN14825 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
Coils treatments

Accessories and options
In/out valve kit
Remote ON / OFF
Water flow switch

Air cooled chillers, heat pumps and condensing units.

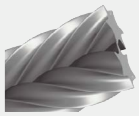
Energy efficiency, high performance and comfort!

Our hydronic systems offer the perfect combination of comfort and high efficiency. They are perfect for any type of building. The air cooled chiller variant of the system is also a fundamental part of many industrial processes.

Compressors and refrigerants combination

R290 R32 R410A

Scroll compressors.
Scroll compressors have excellent low vibration and low noise properties.
Compact in size and suitable for designs where space is restricted.



R513A

Screw compressors.
Screw compressors can be operated continuously and are therefore suitable for applications where a constant and consistent cooling load is required.
Due to their high energy efficiency, our products use these compressors in combination with high efficiency refrigerants.

Microchannel coils

Significant reduction on refrigerant charge and operating weight.

Air cooled chillers, heat pumps and condensing units

NEW ECOi-W AQUA-Z EVO 20-50 H · R32

R32 REFRIGERANT

New 2024

1 inverter scroll compressor.
Plate heat exchanger.
Operation range: OAT -12 to 48 °C in cooling and -15 to 40 °C in heating.
LWT -10 to 18 °C in cooling and 20 to 60 °C in heating.

Outdoor unit		Cooling capacity [1]	ErP data [2] SEER $n_{s,c}$	Heating capacity [3]	ErP data [4] [5] SCOP	Energy efficiency class	$n_{s,h}$	ErP data [4] [6] SCOP	Energy efficiency class	$n_{s,h}$	Sound power [7]	Dimension H x W x L	Operating weight	RRP
		kW		kW		A+++ to D			A+++ to D		dB(A)	mm	kg	£
20	P-AQAVZ0020HA											1396 x 840 x 1760	300	POA
30	P-AQAVZ0030HA											1396 x 840 x 1760	300	
40	P-AQAVZ0040HA											1730 x 2215 x 1032	538	
50	P-AQAVZ0050HA											1730 x 2215 x 1032	538	

Tentative data

Water connections information					
Outdoor unit		**20**	**30**	**40**	**50**
Type of water connections (evaporator)		Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Water inlet/outlet diameter	Inch	1¼ - 1¼	1¼ - 1¼	1¼ - 1¼	1¼ - 1¼

1) According EN14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According to EN14825 standard. 3) According EN14511-2013: 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 EN14825 standard - low temperature application (35 °C). 6) According to EN14825 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.

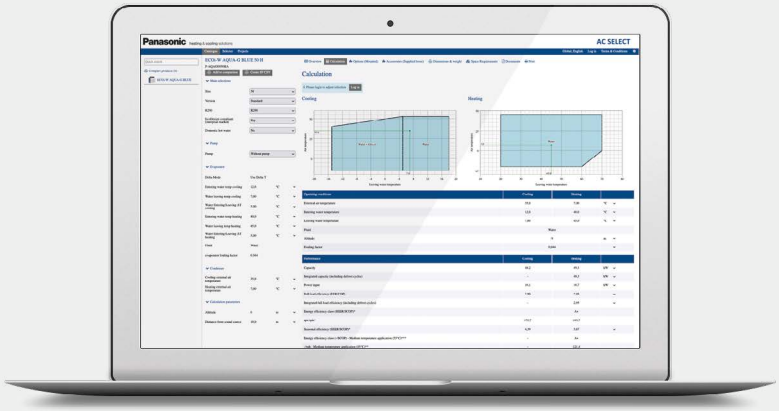
Accessories and options
Additional external switch (cooling/heating)
Anti-vibration rubber mount / spring dampers
Contact for external general alarm
Electrical heater for the water tank
Energy meter for Input power
Super low noise (S)

Accessories and options
Outdoor coil protection grid
Remote control kit
Shut off valves
Hydraulic circuit pack single pump
Variable or fixed speed pumps
Water pressure switch

Accessories and options
Water tank
Epoxy/Blygold treatment on AL/CU finned tubes
4 communication protocols (Modbus RTU, Modbus TCP/IP, BACnet MSTP, BACnet IP)

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.
Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



Overview. | Calculation. | Options (mounted). | Accessories (supplied loose). | Dimensions and weight. | Space requirements. | Documents.

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 -15 to 18 °C in cooling and 20 to 70 °C in heating.

Outdoor unit		Cooling capacity [1]	ErP data [2] SEER	$n_{s,c}$	Heating capacity [3]	ErP data [4] SCOP	$n_{s,h}$	Energy efficiency class (SCOP)	$SCOP_{MT}$	$n_{s,hMT}$	Energy efficiency class ($SCOP_{MT}$)	Sound power	Dimension Height	Length w/o / w water tank	Width	Operating weight	RRP
		kW			kW			A+++ to D			A+++ to D	dB(A)	mm	mm	mm	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	2215/2215 [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 water connections (evaporator)		Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Water inlet/outlet diameter	Inch	1¼	2	2	2½

1) According EN14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According EN14825 and following COMMISSION REGULATION (EU) 2016/2281.
3) According EN14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 4) According to EN14825 and following COMMISSION REGULATION (EU) No 813/2013. 5) Tank is external to the unit chassis, Its width must be added
* Check data and configuration on AC SELECT. POA: Price On Applications.

Accessories and options
Anti-vibration rubber mount / spring dampers
Cascade controller
Refrigerant gauges HP/LP
Shut off valves

Accessories and options
Sofstarter
Energy meter for input power
Electrical heater for the water tank
Variable or fixed speed pumps

Accessories and options
Water tank 200 l (size 50)
Water tank 300 l (sizes 60-70-80)
3 Way valve and probe for Domestic Hot Water management

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

Reversible heat pumps with high leaving water temperature.

- Natural refrigerant R290 with GWP 3
- Reliable quality
- Scroll compressors
- High seasonal efficiency (HIGH SEER Max. 4,4[1] / HIGH SCOP Max. 3,9[2])
- High energy efficiency class (A++ [3])
- DHW management
- Maximum 70 °C leaving water temperature (70 °C)
- Quiet operation
- Boost the capacity up to 640 kW (640 kW)

50 kW

60 kW

70 - 80 kW

1) Size 50. According EN14825 and Following COMMISSION REGULATION (EU) 2016/2281.2) Size 70. According EN14825 and Following COMMISSION REGULATION (EU) No 813/2013. 3) Scale A+++ to D. According EN14825 and Following COMMISSION REGULATION (EU) No 813/2013.

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] SEER	$n_{s,c}$	Heating capacity [4]	ErP data [2] [5] SCOP	Energy efficiency class	$n_{s,h}$	Sound power (STD fan)	Dimension Height (STD / HPF)	Width w/o / w water tank	Length	Operating weight w/o / w water tank [6]	RRP
		kW			kW		A+++ to D		dB(A)	mm	mm	mm	kg	£
ECOi-W AQUA 20-40 C - cooling only														
20	**P-AQAE0020CA**	19,2	**4,78**	**188**	—	—	—	—	75	1983 / 2025	1000 / 1507	1000	285 / 450	
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	**POA**
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	
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	**POA**
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 / —	
30	**P-AQAE0030EA**	33,7	—	—	—	—	—	—	75	1983 / —	1000 / —	1000	270 / —	
35	**P-AQAE0035EA**	43,1	—	—	—	—	—	—	76	1983 / —	1000 / —	1000	280 / —	**POA**
40	**P-AQAE0040EA**	44,8	—	—	—	—	—	—	76	1983 / —	1000 / —	1000	280 / —	

Water connections information. ECOi-W AQUA 20-40 C/H - cooling only / heat pump						
Outdoor unit		**20**	**25**	**30**	**35**	**40**
Type of water 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
Water 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	—	⅝	⅝	⅝	⅝
Suction line	Inch	—	1⅛	1⅛	1⅛	1⅛

1) According EN14511-2013: 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 EN14511-2013 standard. 2) According EN14825. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According EN14511-2013: 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)
Modbus TCP/IP

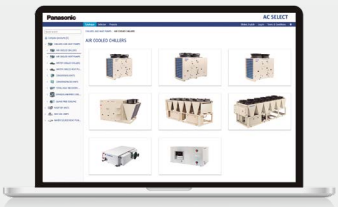
Accessories and options
Outdoor coil protection grid
Nordic pack (H type only)
Remote control
Shut off valves
Soft starter
SRC - mini BMS controller

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.

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA 45-125 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] SEER	$n_{s,c}$	Heating capacity [4]	ErP data [2] [5] SCOP	Energy efficiency class	$n_{s,h}$	Sound power (STD fan)	Dimension Height (STD / HPF)	Width	Length w/o / w water tank	Operating weight w/o / w water tank [6]	RRP
		kW			kW		A+++ to D		dB(A)	mm	mm	mm	kg	£
ECOi-W AQUA 45-125 C - cooling only														
45	**P-AQAE0045CA**	45,3	**4,40**	**173**	—	**—**	**—**	**—**	81	1986 / 2025	1160	2180 / 2680	545 / 1010	
55	**P-AQAE0055CA**	52,0	**4,53**	**178**	—	**—**	**—**	**—**	81	1986 / 2025	1160	2180 / 2680	545 / 1010	
65	**P-AQAE0065CA**	66,1	**4,53**	**178**	—	**—**	**—**	**—**	81	1986 / 2026	1160	2180 / 2680	615 / 1080	
75	**P-AQAE0075CA**	73,1	**4,68**	**184**	—	**—**	**—**	**—**	81	1986 / 2026	1160	2180 / 2680	615 / 1080	**POA**
90	**P-AQAE0090CA**	90,9	**4,45**	**175**	—	**—**	**—**	**—**	84	2286 / 2379	1160	2180 / 2680	795 / 1260	
105	**P-AQAE0105CA**	104,0	**4,50**	**177**	—	**—**	**—**	**—**	84	2286 / 2379	1160	2180 / 2680	905 / 1370	
125	**P-AQAE0125CA**	123,0	**4,55**	**179**	—	**—**	**—**	**—**	84	2286 / 2379	1160	2180 / 2680	925 / 1390	
ECOi-W AQUA 45-125 H - heat pump														
45	**P-AQAE0045HA**	44,3	**4,20**	**165**	48,5	**3,38**	**A+**	**132**	81	1986 / 2025	1160	2180 / 2680	545 / 1010	
55	**P-AQAE0055HA**	50,9	**4,41**	**174**	58,2	**3,38**	**A+**	**132**	81	1986 / 2025	1160	2180 / 2680	545 / 1010	
65	**P-AQAE0065HA**	64,1	**4,51**	**177**	67,3	**3,55**	**A+**	**139**	81	1986 / 2026	1160	2180 / 2680	615 / 1080	
75	**P-AQAE0075HA**	71,0	**4,63**	**182**	76,0	**3,53**	**A+**	**138**	81	1986 / 2026	1160	2180 / 2680	615 / 1080	**POA**
90	**P-AQAE0090HA**	88,7	**4,40**	**173**	88,2	**3,40**	**—**	**133**	84	2286 / 2379	1160	2180 / 2680	795 / 1260	
105	**P-AQAE0105HA**	101,0	**4,44**	**175**	101,0	**3,43**	**—**	**134**	84	2286 / 2379	1160	2180 / 2680	905 / 1370	
125	**P-AQAE0125HA**	119,0	**4,49**	**177**	119,0	**3,43**	**—**	**134**	84	2286 / 2379	1160	2180 / 2680	925 / 1390	
ECOi-W AQUA 45-125 E - condensing unit														
45	**P-AQAE0045EA**	57,4	**—**	**—**	—	**—**	**—**	**—**	80	1986	1160	2180	—	
55	**P-AQAE0055EA**	64,5	**—**	**—**	—	**—**	**—**	**—**	80	1986	1160	2180	—	
65	**P-AQAE0065EA**	72,4	**—**	**—**	—	**—**	**—**	**—**	80	1986	1160	2180	—	
75	**P-AQAE0075EA**	79,3	**—**	**—**	—	**—**	**—**	**—**	80	1986	1160	2180	—	**POA**
90	**P-AQAE0090EA**	104,0	**—**	**—**	—	**—**	**—**	**—**	83	2286	1160	2180	—	
105	**P-AQAE0105EA**	120,0	**—**	**—**	—	**—**	**—**	**—**	83	2286	1160	2180	—	
125	**P-AQAE0125EA**	136,0	**—**	**—**	—	**—**	**—**	**—**	83	2286	1160	2180	—	

Water connections information. ECOi-W AQUA 45-125 C/H - cooling only / heat pump								
Outdoor unit		**45**	**55**	**65**	**75**	**90**	**105**	**125**
Type of water 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
Water inlet/outlet diameter	Inch	2	2	2	2	2½	2½	2½
Refrigerant connections information. ECOi-W AQUA 45-125 E - condensing unit								
Outdoor unit		**45**	**55**	**65**	**75**	**90**	**105**	**125**
Liquid line	Inch	⅝	⅝	⅝	⅝	⅞	⅞	⅞
Suction line	Inch	1⅝	1⅝	1⅝	1⅝	1⅝	1⅝	1⅝

1) According EN14511-2013: 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 EN14511-2013 standard. 2) According EN14825. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According EN14511-2013: 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
Desuperheater
Fan speed control
Finned coil blygold treatment (upon request) or epoxy
Electrical heater high or low power (H type only)

Accessories and options
Super low noise (S): acoustic box around the compressors
High pressure fan (HPF)
Modbus TCP/IP
Outdoor coil protection grid
Refrigerant gauges HP/LP
Remote control

Accessories and options
Shut off valves
Soft starter
SRC - mini BMS controller
Variable or fixed* speed pumps
Water tank 300 l
Without neutral (upon request)
Water pressure switch

* Not available with ECOi-W AQUA C units due to Ecodesign compliance.

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA 140-210 C/H · R410A

4 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] SEER	$n_{s,c}$	Heating capacity [4]	ErP data [2] [5] SCOP	$n_{s,h}$	Sound power (STD fan)	Dimension Height	Width	Length w/o / w water tank	Operating weight w/o / w water tank [6]	RRP
		kW			kW			dB(A)	mm	mm	mm	kg	£
ECOi-W AQUA 140-210 C - cooling only													
140	**P-AQAE0140CA**	132	**4,40**	**173**	—	**—**	**—**	85	2295	2210	2856 / 3666	1685 / 2139	
150	**P-AQAE0150CA**	146	**4,45**	**175**	—	**—**	**—**	85	2295	2210	2856 / 3666	1705 / 2159	
170	**P-AQAE0170CA**	164	**4,38**	**172**	—	**—**	**—**	87	2321	2210	2856 / 3666	1798 / 2253	**POA**
190	**P-AQAE0190CA**	181	**4,40**	**173**	—	**—**	**—**	88	2321	2210	2856 / 3666	1891 / 2343	
210	**P-AQAE0210CA**	208	**4,25**	**167**	—	**—**	**—**	88	2321	2210	2856 / 3666	2201 / 2653	
ECOi-W AQUA 140-210 H - heat pump													
140	**P-AQAE0140HA**	128	**4,39**	**173**	144	**3,30**	**129**	85	2295	2210	2856 / 3666	1685 / 2139	
150	**P-AQAE0150HA**	142	**4,36**	**171**	154	**3,33**	**130**	85	2295	2210	2856 / 3666	1705 / 2159	
170	**P-AQAE0170HA**	164	**4,31**	**169**	170	**3,30**	**129**	87	2321	2210	2856 / 3666	1798 / 2253	**POA**
190	**P-AQAE0190HA**	178	**4,23**	**166**	195	**3,28**	**128**	88	2321	2210	2856 / 3666	1891 / 2343	
210	**P-AQAE0210HA**	208	**4,28**	**168**	218	**3,23**	**126**	88	2321	2210	2856 / 3666	2201 / 2653	

Water connections information						
Outdoor unit		**140**	**150**	**170**	**190**	**210**
Type of water connections (evaporator)		Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®
Water inlet/outlet diameter	Inch	2½	2½	2½	2½	2½

1) According EN14511-2013: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According EN14825. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According EN14511-2013: 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 and BACnet MSTP
Desuperheater (upon request)
Fan speed control
Finned coil blygold treatment (upon request) and epoxy
Hydraulic gauges

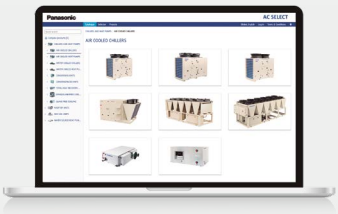
Accessories and options
Modbus TCP/IP
Outdoor coil protection grid
Nordic pack (H type only)
Refrigerant gauges HP/LP
Remote control
Shut off valves
Soft starter

Accessories and options
SRC - mini BMS controller
Variable or fixed* speed pumps
Water tank 300 l
Without neutral
Water pressure switch

* ECOi-W AQUA C units can't be Ecodesign compliant with this option.

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA-Z 50-130 C/H · R32

2 scroll compressors.
Plate heat exchanger.
Operation range: OAT -15 to 48 °C in cooling and -15 to 40 °C in heating.
LWT -10 to 18 °C in cooling and 20 to 55 °C in heating.

Outdoor unit		Cooling capacity [1]	ErP data (STD AC / STD EC) SEER *[2] [3]	$n_{s,c}$ *[2] [3]	Heating capacity [4]	ErP data (STD AC / STD EC) SCOP *[2] [5]	Energy efficiency class *[2] [6]	$n_{s,h}$ *[2] [6]	Sound power (STD AC / S) *	Dimension Height (STD / EC/ HPF)	Width	Length without water tank	Operating weight without water tank [7]	RRP
		kW			kW		A+++ to D		dB(A)	mm	mm	mm	kg	£
ECOi-W AQUA-Z 50-130 C - cooling only														
50	**P-AQAZ0050CA**	51,6	**4,60/5,05**	**180,9/198,9**	—	—	—	—	83/81	1986/2034	1160	2180	527	
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	**POA**
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	
ECOi-W AQUA-Z 50-130 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	
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	**POA**
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	

Water connections information									
Outdoor unit		**50**	**60**	**70**	**75**	**85**	**100**	**115**	**130**
Type of water 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
Water inlet/outlet diameter	Inch	2	2	2	2	2½	2½	2½	2½

1) According EN14511-2018: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According EN14825. 3) For cooling only models: ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According EN14511-2018: 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 EN14511-2018: 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
Additional external switch (cooling/heating) (H type only)
Anti-vibration rubber mount / spring dampers
Compressor jackets (standard for S versions)
Contact for external general alarm
Desuperheater
Electrical heater for the water tank (H type only)
Energy meter for Input power
High efficiency EC fan
High pressure fan (HPF)
Outdoor coil protection grid
Power factor corrector capacitors

Accessories and options
Refrigerant gauges HP/LP
Remote control kit
Shut off valves
Sofstarter
SRC - mini BMS controller
Super low noise (S): EC fan + compressor jackets
Variable or fixed speed pumps
Water pressure switch
Water tank 300 l
Without neutral

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA-Z 150-170 C/H · R32

2 scroll compressors.
Plate heat exchanger.
Operation range: OAT -15 to 47 °C in cooling and -15 to 40 °C in heating.
LWT -10 to 18 °C in cooling and 20 to 53 °C in heating.

Outdoor unit		Cooling capacity [1]	ErP data (STD AC / STD EC) SEER *2) 3)	$n_{s,c}$ *2) 3)	Heating capacity [4]	ErP data (STD AC / STD EC) SCOP *2) 5)	Energy efficiency class *2) 6)	$n_{s,h}$ *2) 6)	Sound power (STD AC / S) *	Dimension Height (STD / EC/ HPF)	Width	Length without water tank	Operating weight without water tank [7]	RRP
		kW			kW		A+++ to D		dB(A)	mm	mm	mm	kg	£
ECOi-W AQUA-Z 150-170 C - cooling only														
150	**P-AQAZ0150CA**	154	**4,70/5,22**	**184,8/205,6**	—	—	—	—	89/86	2285/2333	1151	3789	1265	**POA**
170	**P-AQAZ0170CA**	173	**4,68/5,16**	**184,2/203,2**	—	—	—	—	91/88	2285/2333	1151	3789	1279	
ECOi-W AQUA-Z 150-170 H - heat pump														
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	**POA**
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		**150**	**170**
Type of water connections (evaporator)		Male gas threaded BSPP ISO 228	Male gas threaded BSPP ISO 228
Water inlet/outlet diameter	Inch	2½	2½

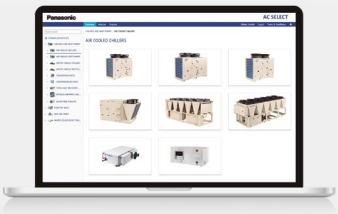
1) According EN14511-2018: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According EN14825. 3) For cooling only models: ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According EN14511-2018: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 5) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 6) According EN14511-2018: 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
Additional external switch (cooling/heating) (H type only)
Anti-vibration rubber mount / spring dampers
Compressor jackets (standard for S versions)
Contact for external general alarm
Desuperheater
Electrical heater for the water tank (H type only)
Energy meter for Input power
High efficiency EC fan
High pressure fan (HPF)
Outdoor coil protection grid

Accessories and options
Power factor corrector capacitors
Refrigerant gauges HP/LP
Remote control kit
Shut off valves
Sofstarter
SRC - mini BMS controller
Super low noise (S): EC fan + compressor jackets
Variable or fixed speed pumps
Water pressure switch
Water tank 300 l

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



Air cooled chillers, heat pumps and condensing units

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

4 scroll compressors. 2 refrigerant cuits.
Plate heat exchanger.
Operation range: OAT -15 to 46 °C in cooling and -15 to 40 °C in heating.
LWT -10 to 18 °C in cooling and 20 to 53 °C in heating.

R32 REFRIGERANT

New 2024

Outdoor unit		Cooling capacity [1]	ErP data SEER *[2] [3]	$n_{s,c}$ *[2] [3]	Heating capacity [4]	ErP data SCOP *[2] [5]	Energy efficiency class *[2] [6]	$n_{s,h}$ *[2] [6]	Sound power *	Dimension HxWxL	RRP
		kW			kW		A+++ to D		dB(A)	mm	£
ECOi-W AQUA-Z DC 150-380 C - cooling only											
150	**P-AQADZ0150CA**	151,0	**4,93**	**194,0**	—	—	—	—	87,5	2240 x 1152 x 3795	**POA**
170	**P-AQADZ0170CA**	167,0	**4,80**	**189,1**	—	—	—	—	88,5	2240 x 1152 x 3795	
190	**P-AQADZ0190CA**	189,0	**4,68**	**184,1**	—	—	—	—	91	2250 x 2211 x 2678	
210	**P-AQADZ0210CA**	211,0	**4,69**	**184,7**	—	—	—	—	91,4	2250 x 2211 x 2678	
230	**P-AQADZ0230CA**	233,0	**4,37**	**171,8**	—	—	—	—	92	2250 x 2211 x 2678	
260	**P-AQADZ0260CA**	262,0	**4,33**	**170,0**	—	—	—	—	92,8	2250 x 2211 x 2678	
290	**P-AQADZ0290CA**	302,0	**4,47**	**175,7**	—	—	—	—	93	2250 x 2211 x 3801	
320	**P-AQADZ0320CA**	322,0	**4,34**	**170,4**	—	—	—	—	94,2	2250 x 2211 x 3801	
350	**P-AQADZ0350CA**	348,0	**4,51**	**177,3**	—	—	—	—	95,2	2250 x 2211 x 3801	
380	**P-AQADZ0380CA**	382,0	**4,63**	**182,1**	—	—	—	—	95,4	2250 x 2211 x 3801	
ECOi-W AQUA-Z DC 150-380 H - heat pump											
150	**P-AQADZ0150HA**	150,0	**4,75**	**187,1**	154,0	**3,83**	—	**150,0**	87,5	2240 x 1152 x 3795	**POA**
170	**P-AQADZ0170HA**	166,0	**4,63**	**182,3**	166,0	**3,84**	—	**150,7**	88,5	2240 x 1152 x 3795	
190	**P-AQADZ0190HA**	183,0	**4,49**	**176,4**	184,0	**3,45**	—	**135,2**	91	2250 x 2211 x 2678	
210	**P-AQADZ0210HA**	203,0	**4,45**	**175,2**	199,0	**3,49**	—	**136,4**	91,4	2250 x 2211 x 2678	
230	**P-AQADZ0230HA**	221,0	**4,17**	**163,7**	233,0	**3,54**	—	**138,6**	92	2250 x 2211 x 2678	
260	**P-AQADZ0260HA**	255,0	**4,16**	**163,3**	257,0	**3,51**	—	**137,3**	92,8	2250 x 2211 x 2678	
290	**P-AQADZ0290HA**	297,0	**4,33**	**170,0**	293,0	**3,39**	—	**132,7**	93	2250 x 2211 x 3801	
320	**P-AQADZ0320HA**	315,0	**4,34**	**170,4**	328,0	**3,45**	—	**135,1**	94,2	2250 x 2211 x 3801	
350	**P-AQADZ0350HA**	336,0	**4,41**	**173,3**	342,0	**3,40**	—	**132,9**	95,2	2250 x 2211 x 3801	
380	**P-AQADZ0380HA**	377,0	**4,42**	**173,9**	378,0	**3,56**	—	**139,4**	95,4	2250 x 2211 x 3801	

Water connections information

Outdoor unit		150	170	190	210	230	260	290	320	350	380
Type of water 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
Water inlet/outlet diameter	Inch	3 - 3	3 - 3	3 - 3	3 - 3	3 - 3	3 - 3	3 - 3	3 - 3	3 - 3	3 - 3

1) According EN14511-2018: chilled water inlet/outlet temperature: 12/7 °C, outdoor ambient temperature 35 °C DB. 2) According EN14825. 3) For cooling only models: ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According EN14511-2018: 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 EN14511-2018: warm water inlet/outlet temperature: 30/35 °C, outdoor ambient temperature 7 °C DB/6 °C WB.
* 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 corrosion treatment (Epoxy and Blygold on finned tubes, E-COATING on MCHX)
Outdoor coil protection grid or Chiller protection grill
Condensate drain pan
Sofstarter
Power factor corrector capacitors
Refrigerant gauges HP/LP
Energy meter for power input

Accessories and options
Antivibration spring or mount rubber
Compatible with container transportation
Desuperheater
Leak detector
S version with compressor jacket and compressor acoustic box
Hydraulic circuit pack single or double pump
Variable or fixed speed pumps

Accessories and options
Flow switch
Water pressure switch
Shut off valves
Water filter (supplied loose)
Water Tank 300 L
4 communication protocols (Modbus RTU, Modbus TCP/IP, BACnet MSTP, BACnet IP)

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]	ErP data [2] [3] SEER	$n_{s,c}$	Heating capacity [4]	ErP data [3] [5] SCOP	$n_{s,h}$	Sound power [6]	Dimension H x W x L	Operating weight	RRP
		STD / S / HT	STD / S / HT	STD / S / HT	STD / S / HT	STD / S / HT	STD / S / HT	STD / S / HT		STD / S / HT	
		kW			kW			dB(A)	mm	kg	£
ECOi-W AQV 85-140 C - cooling only											
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 - cooling only / heat pump							
Outdoor unit		**85**	**95**	**105**	**115**	**125**	**140**
Type of water connections (evaporator)		Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Water 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	⅝	⅝	⅝	⅝	⅞	⅞
Outlet diameter	Inch	1⅜	1⅜	1⅜	1⅜	1⅜	1⅜

1) According EN14511-2013: 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 EN14511-2013 standard. 2) For cooling only models: ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 3) According EN14825. 4) According EN14511-2013: 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
Hydrokit with 1 or 2 pumps with or without buffer tank
Mechanical gauges
Overload protection for compressors

Accessories and options
Power factor corrector capacitors
Several communication protocols
Soft starter
Unit protection grilles
Water differential pressure
Water filter
Water pressure switch

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] SEER	$n_{s,c}$	Heating capacity [3]	ErP data [2] [4] SCOP	$n_{s,h}$	Sound power [5]	Dimension HxWxL	Operating weight	RRP
		STD - HPF / L / S / HT	STD - HPF / L / S / HT	STD - HPF / L / S / HT	STD - HPF / L / S / HT	STD - HPF / L / S / HT	STD - HPF / L / S / HT	STD - HPF / L / S / HT		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 water connections (evaporator)		Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded	Male gas threaded
Water inlet/outlet diameter	Inch	2½	2½	3	3	3	3
Refrigerant connection information. ECOi-W VL 704-1204 E - condensing unit							
Inlet diameter	Inch	⅞	⅞	1⅛	1⅛	1⅛	1⅛
Outlet diameter	Inch	1⅝	1⅝	2⅛	2⅛	2⅛	2⅛

1) According EN14511-2013: 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 EN14825. 3) According EN14511-2013: 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)
Inverter fans

Accessories and options
Mechanical gauges
Overload protection for compressors
Power factor corrector capacitors
Several communication protocols
Soft starter
Unit protection grilles
Water filter
Water flow switch

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA EVO 140-360 C/H/E · R410A

4 scroll compressors.
Plate heat exchanger.
Operation range: OAT 5 to 48 °C in cooling and -10 to 20 °C in heating (STD units).
LWT -10 (with Brine option) to 18 °C in cooling and 20 to 55 °C in heating.

Outdoor unit		Nominal cooling capacity [1]	ErP data [2][3] SEER	$n_{s,c}$	Nominal heating capacity [4][5] 40-45 °C	30-35 °C	ErP data [3][6] SCOP	$n_{s,h}$	Sound power [7]	Dimension H x W x L	Operating weight [8]	RRP
		STD / L / S / HT	STD / L / S / HT	STD / L / S / HT	STD / L / S / HT	STD / L / S / HT	STD / L / S / HT	STD / L / S / HT	STD / L / S / HT		STD / L / S / HT	
		kW			kW				dB(A)	mm	kg	£
ECOi-W AQUA EVO 140-360 C - cooling only												
140*	**P-AQAVE0140CA**	144/140/133/145	**4,45/4,33/4,15/4,45**	**175/170/163/175**	—	—	—	—	90/85/79/92	2500 x 1100 x 4000	1157/1157/1162/1187	**POA**
170*	**P-AQAVE0170CA**	169/163/153/170	**4,28/4,20/4,13/4,28**	**168/165/162/168**	—	—	—	—	90/85/79/92	2500 x 1100 x 4000	1200/1200/1205/1230	
230	**P-AQAVE0230CA**	231/224/210/232	**4,25/4,28/4,1/4,63**	**167/168/161/182**	—	—	—	—	92/87/82/94	2500 x 2150 x 3500	1693/1693/1698/1743	
260	**P-AQAVE0260CA**	263/256/242/265	**4,25/4,28/4,15/4,65**	**167/168/163/183**	—	—	—	—	93/88/83/96	2500 x 2150 x 3500	1890/1890/1895/1950	
280	**P-AQAVE0280CA**	284/276/259/286	**4,23/4,25/4,1/4,63**	**166/167/161/182**	—	—	—	—	93/88/83/96	2500 x 2150 x 3500	1953/1953/1958/2013	
300	**P-AQAVE0300CA**	310/301/283/312	**4,18/4,25/4,1/4,68**	**164/167/161/184**	—	—	—	—	94/89/85/97	2500 x 2150 x 4550	2227/2227/2232/2297	
330	**P-AQAVE0330CA**	331/322/305/333	**4,20/4,25/4,1/4,65**	**165/167/161/183**	—	—	—	—	95/90/86/98	2500 x 2150 x 4550	2345/2345/2350/2425	
360	**P-AQAVE0360CA**	362/351/329/364	**4,10/4,10/4,1/4,43**	**161/161/161/174**	—	—	—	—	95/90/86/98	2500 x 2150 x 4550	2519/2519/2524/2599	
ECOi-W AQUA EVO 140-360 H - heat pump												
140	**P-AQAVE0140HA**	137/133/126/138	**3,8/3,8/3,8/3,68**	**149/149/149/144**	145/141/139/147	149/144/141/—	**3,39/3,39/3,39/3,55**	**133/133/133/139**	90/85/79/92	2500 x 1100 x 4000	1312/1312/1317/1342	**POA**
170	**P-AQAVE0170HA**	155/149/140/156	**3,95/3,95/3,95/3,78**	**155/155/155/148**	166/162/160/169	170/166/163/—	**3,42/3,42/3,42/3,58**	**134/134/134/140**	90/85/79/92	2500 x 1100 x 4000	1355/1355/1360/1385	
230	**P-AQAVE0230HA**	214/207/194/216	**4,13/4,13/4,13/3,8**	**162/162/162/149**	229/224/220/232	234/228/223/—	**3,46/3,46/3,46/3,56**	**135/135/135/139**	92/87/82/94	2500 x 2150 x 3500	2078/2078/2083/2128	
260	**P-AQAVE0260HA**	244/237/224/246	**4,05/4,05/4,05/3,73**	**159/159/159/146**	262/256/251/266	269/261/255/—	**3,48/3,48/3,48/3,57**	**136/136/136/140**	93/88/83/96	2500 x 2150 x 3500	2343/2343/2348/2403	
280	**P-AQAVE0280HA**	261/253/239/263	**4,1/4,1/3,60/3,78**	**161/161/141/148**	280/272/267/284	286/277/271/—	**3,44/3,44/3,44/3,53**	**135/135/135/138**	93/88/83/96	2500 x 2150 x 3500	2458/2458/2463/2518	
300	**P-AQAVE0300HA**	288/279/263/290	**3,83/3,83/3,83/4,28**	**150/150/150/168**	306/299/295/310	311/304/298/—	**3,51/3,51/3,51/3,61**	**137/137/137/141**	94/89/85/97	2500 x 2150 x 4550	2702/2702/2707/2772	
330	**P-AQAVE0330HA**	307/299/284/310	**3,8/3,8/3,8/3,95**	**149/149/149/155**	327/321/315/332	334/326/320/—	**3,44/3,44/3,44/3,55**	**135/135/135/139**	95/90/86/98	2500 x 2150 x 4550	2887/2887/2892/2967	
360	**P-AQAVE0360HA**	341/330/311/343	**3,93/3,93/3,93/4,08**	**154/154/154/160**	361/354/349/367	368/359/353/—	**3,48/3,48/3,48/3,58**	**136/136/136/140**	95/90/86/98	2500 x 2150 x 4550	3063/3063/3068/3143	
ECOi-W AQUA EVO 140-360 E - condensing unit												
140	**P-AQAVE0140EA**	165/159/149/167	—	—	—	—	—	—	90/85/79/92	2500 x 1100 x 4000	1107	**POA**
170	**P-AQAVE0170EA**	193/186/172/196	—	—	—	—	—	—	90/85/79/92	2500 x 1100 x 4000	1150	
230	**P-AQAVE0230EA**	250/242/225/253	—	—	—	—	—	—	92/87/82/94	2500 x 2150 x 3500	1542	
260	**P-AQAVE0260EA**	288/279/262/291	—	—	—	—	—	—	93/88/83/96	2500 x 2150 x 3500	1726	
280	**P-AQAVE0280EA**	313/302/281/316	—	—	—	—	—	—	93/88/83/96	2500 x 2150 x 3500	1788	
300	**P-AQAVE0300EA**	337/326/305/341	—	—	—	—	—	—	94/89/85/97	2500 x 2150 x 4550	1946	
330	**P-AQAVE0330EA**	361/351/330/364	—	—	—	—	—	—	95/90/86/98	2500 x 2150 x 4550	2061	
360	**P-AQAVE0360EA**	395/381/356/398	—	—	—	—	—	—	95/90/86/98	2500 x 2150 x 4550	2235	

Water connections. ECOi-W AQUA EVO 140-360 C/H - cooling only / heat pump									
Outdoor unit		**140**	**170**	**230**	**260**	**280**	**300**	**330**	**360**
Type of water connections (evaporator)		Male gas threaded							
Water inlet/outlet diameter	Inch	2½	2½	3	3	3	3	3	3
Refrigerant connection information. ECOi-W AQUA EVO 140-360 E - condensing unit									
Type of refrigerant connections		To be brazed							
Inlet diameter	Inch	1⅝	1⅝	1⅝ - 2⅛	1⅝ - 2⅛	1⅝ - 2⅛	2⅛	2⅛	2⅛
Outlet diameter	Inch	⅞	⅞	⅞ - 1⅛	⅞ - 1⅛	⅞ - 1⅛	1⅛	1⅛	1⅛

1) According EN14511-2013: 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) For cooling only models: ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 3) According EN14825. 4) According EN14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 5) According EN14511-2013: warm water inlet/outlet temperature: 30/35 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 6) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 7) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard. 8) Shipping weight for condensing unit models.
* High efficiency units (EC) with inverter fans (except for HT models).
* 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 super low noise version)

Accessories and options
Hydrokit with 1 or 2 pumps with or without buffer tank (350 l 140-170, 500 l 200-360)
Mechanical gauges
Overload protection for compressors
Power factor corrector capacitors
Several communication protocols

Accessories and options
Soft starter
SRC - mini BMS controller
Unit protection grilles
Variable pump
Water filter
Water flow switch

Air cooled chillers, heat pumps and condensing units

ECOi-W AQUA EVO 400-800 C/H · R410A

4/5/6/8 scroll compressors.
Plate heat exchanger.
Operation range: OAT 10 to 46 °C in cooling and -10 to 20 °C in heating (STD units).
LWT -3 to 18 °C in cooling and 25 to 55 °C in heating.

Outdoor unit		Nominal cooling capacity [1] STD / S / HT kW	ErP data [2] [3] SEER STD / S / HT	$n_{s,c}$ STD / S / HT	Nominal heating capacity [4] STD / S / HT kW	ErP data [3] SCOP STD / S / HT	$n_{s,h}$ STD / S / HT	Sound power [5] STD / S / HT dB(A)	Dimension H x W mm	Length STD / S - HT	Operating weight STD / S - HT kg	RRP €
ECOi-W AQUA EVO 400-800 C - cooling only												
400	**P-AQAVE0400CA**	398,8 / 396,0 / 411,2	**4,48 / 4,50 / 4,78**	**176 / 177 / 188**	—	—	—	92 / 86 / 93	2500 x 2175	4580 / 5620	3028 / 3318	**POA**
450	**P-AQAVE0450CA**	446,1 / 440,4 / 455,8	**4,43 / 4,63 / 4,83**	**174* / 182 / 190**	—	—	—	93 / 87 / 93	2500 x 2175	5620 / 6680	3367 / 3656	
490	**P-AQAVE0490CA**	487,7 / 480,4 / 497,3	**4,50 / 4,58 / 4,80**	**177* / 180 / 189**	—	—	—	93 / 87 / 94	2500 x 2175	6680 / 7760	3783 / 4069	
530	**P-AQAVE0530CA**	533,9 / 524,8 / 543,1	**4,38 / 4,78 / 4,83**	**172* / 188 / 190**	—	—	—	94 / 87 / 94	2500 x 2175	6680 / 7760	4069 / 4369	
600	**P-AQAVE0600CA**	597,1 / 585,3 / 607,2	**4,58 / 4,80 / 4,85**	**180 / 189 / 191**	—	—	—	94 / 88 / 94	2500 x 2175	7760 / 8800	4317 / 4597	
670	**P-AQAVE0670CA**	667,3 / 651,7 / 678,7	**4,65 / 4,73 / 4,85**	**183 / 186 / 191**	—	—	—	94 / 88 / 95	2500 x 2175	7760 / 8800	4524 / 4789	
750	**P-AQAVE0750CA**	748,3 / 743,4 / 768,3	**4,48 / 4,73 / 4,70**	**176* / 186 / 185**	—	—	—	95 / 89 / 96	2500 x 2175	8900 / 11000	5536 / 6111	
800	**P-AQAVE0800CA**	797,9 / 792,2 / 820,5	**4,50 / 4,70 / 4,63**	**177* / 185 / 182**	—	—	—	95 / 89 / 96	2500 x 2175	8900 / 11000	5607 / 6183	
ECOi-W AQUA EVO 400-800 H - heat pump												
400	**P-AQAVE0400HA**	373,5 / 371,2 / —	**4,65 / 5,03 / —**	**183 / 198 / —**	404,0 / 403,6 / —	**3,46 / 3,76 / —**	**135 / 147 / —**	92 / 86 / —	2500 x 2175	5620 / 6680	3769 / 4131	**POA**
450	**P-AQAVE0450HA**	419,2 / 417,3 / —	**4,53 / 4,53 / —**	**178 / 178 / —**	450,9 / 451,7 / —	**3,47 / 3,76 / —**	**136 / 147 / —**	93 / 87 / —	2500 x 2175	5620 / 6680	3938 / 4293	
490	**P-AQAVE0490HA**	454,5 / 453,4 / —	**4,7 / 5,1 / —**	**185 / 201 / —**	492,7 / 490,3 / —	**3,37 / 3,69 / —**	**132 / 145 / —**	93 / 87 / —	2500 x 2175	6680 / 7760	4412 / 4764	
530	**P-AQAVE0530HA**	489,7 / 487,3 / —	**4,55 / 5,05 / —**	**179 / 199 / —**	532,1 / 531,2 / —	**3,38 / 3,68 / —**	**132 / 144 / —**	94 / 87 / —	2500 x 2175	6680 / 7760	4744 / 5101	
580	**P-AQAVE0580HA**	535,7 / 531,4 / —	**4,33 / 4,6 / —**	**170* / 181 / —**	585,8 / 585,6 / —	—	—	94 / 88 / —	2500 x 2175	7760 / 8800	5214 / 5567	
620	**P-AQAVE0620HA**	581,5 / 578,6 / —	**4,35 / 4,6 / —**	**171* / 181 / —**	627,7 / 627,1 / —	—	—	95 / 88 / —	2500 x 2175	8800 / 9850	5554 / 5919	
670	**P-AQAVE0670HA**	625,4 / 621,5 / —	**4,3 / 4,55 / —**	**169* / 179 / —**	677,8 / 676,7 / —	—	—	95 / 88 / —	2500 x 2175	8800 / 9850	5691 / 6059	
750	**P-AQAVE0750HA**	701,4 / 701,5 / —	**4,3 / 4,55 / —**	**169* / 179 / —**	758,3 / 757,4 / —	—	—	95 / 89 / —	2500 x 2175	9950 / 12050	6790 / 7497	
800	**P-AQAVE0800HA**	748,1 / 743,2 / —	**4,35 / 4,58 / —**	**171* / 180 / —**	807,3 / 805,3 / —	—	—	95 / 89 / —	2500 x 2175	9950 / 12050	6985 / 7683	

Water connections information. ECOi-W AQUA EVO 400-800 C - cooling only

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

Water connections information. ECOi-W AQUA EVO 400-800 H - heat pump

Type of water connections (evaporator)		Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®
Water inlet/outlet diameter	Inch	4	4	4	4	4	5	5	6	6

1) According EN14511-2013: 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 EN14825. 4) According EN14511-2013: warm water inlet/outlet temperature: 40/45 °C, outdoor ambient temperature 7 °C DB/6 °C WB. 5) Sound powers is declared in nominal full load condition (cooling operation), referring to ISO standard 9614, in accordance with Eurovent certification program. * Non ErP compliant: following COMMISSION REGULATION (EU) 2016/2281.
* 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 super low noise version)

Accessories and options
Hydrokit with 1 or 2 pumps with or without buffer tank (500 l 400-450, 1000 l 470-670)
Mechanical gauges
Overload protection for compressors
Power factor corrector capacitors
Several communication protocols

Accessories and options
Soft starter
SRC - mini BMS controller
Unit protection grilles
Variable pump (for sizes 750-800 upon request)
Water filter
Water flow switch

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]	ErP data [2] [3] SEER	$n_{s,c}$	Sound power [4]	Dimension Height	W x L	Operating weight	RRP
		STD - HT - HP / S	STD - HT - HP / S	STD - HT - HP / S	STD - HT - HP / S	STD - HT - HP / S		STD - HT - HP / S	
		kW			dB(A)	mm	mm	kg	£
ECOi-W SW-N EVO 380-1260 C - cooling only									
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	**4,66 / 4,82**	**183 / 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	**POA**
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 EN14511-2013 standard. 2) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281.
3) According EN14825. 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.). ** HP 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
Compressor suction valve
E-coating treatment
Finned tubes (Al/Cu)

Accessories and options
Flow switch
Hydro kit 1P-SP/1P-HP/2P-SP/2PHP
Mechanical gauges kit (HP and LP manometers)
Power factor corrector capacitors
Several communication protocols
Variable pump
Water filter

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 L x W x H (mm)
ECOi-W WQ C		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
P. 113		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
		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
P. 113		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
		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
P. 114		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		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
P. 115		990	936,6	6,41	98	4600 x 1710 x 1520
		1070	1019,1	6,42	98	4650 x 1710 x 1520
		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 W x H (mm)
ECOi-W WQ H	20	20,8 / 23,7	**5,13 / 5,17**	65	821 x 1350 x 455
	25	26,0 / 28,9	**5,00 / 5,45**	67	821 x 1350 x 455
	30	30,1 / 33,6	**4,88 / 5,33**	67	821 x 1350 x 455
	35	34,0 / 38,5	**5,10 / 5,05**	68	821 x 1350 x 455
	40	38,2 / 42,9	**5,00 / 4,83**	68	821 x 1350 x 455
P. 113	45	45,5 / 51,2	**5,47 / 5,28**	70	821 x 1350 x 455
	50	49,9 / 57,7	**4,70 / 5,70**	70	1210 x 1500 x 850
	60	58,9 / 68,2	**4,88 / 5,88**	70	1210 x 1500 x 850
	75	76,1 / 86,3	**4,47 / 5,70**	72	1210 x 1500 x 850
	90	88,6 / 102,2	**4,83 / 5,78**	73	1210 x 1500 x 850
P. 113	120	114,9 / 132	**4,92 / 5,75**	78	1210 x 1500 x 850
	150	144,3 / 164,2	**4,97 / 5,63**	81	1210 x 1500 x 850
	170	165,7 / 190,1	**5,65 / 5,95**	81	1210 x 1500 x 850
	190	185,4 / 212,3	**5,10 / 5,63**	81	1210 x 1500 x 850
	524	150,7 / 170,2	**4,65 / 5,40**	81	2250 x 1845 x 850
	604	176,2 / 201,1	**4,92 / 5,20**	82	2250 x 1845 x 850
	704	204,5 / 231,8	**4,92 / 5,38**	85	2250 x 1845 x 850
	804	225,4 / 256,5	**4,68 / 5,35**	87	2250 x 1845 x 850
	904	263,1 / 295,6	**5,15 / 5,73**	89	2250 x 1845 x 850
P. 114	1004	291,3 / 331	**5,10 / 5,85**	90	2250 x 1845 x 850
	1104	332 / 376,6	**5,27 / 5,83**	90	2250 x 1845 x 850
	1204	370,5 / 418,5	**5,30 / 5,85**	90	2250 x 1845 x 850
	1404	421,1 / 468,0	**6,43 / —**	92	2250 x 1845 x 850
	1604	459,8 / 508,4	**6,47 / —**	94	2250 x 1845 x 850
ECOi-W WSW-N EVO H	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
	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
P. 115	1070	891,5 / 1146,0	**6,40 / 4,45**	98	5100 x 1680 x 1520
	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 W x H (mm)
ECOi-W WQ R		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
P. 113		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
		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
P. 113		90	80,1	73	1210 x 1500 x 850
		120	104,0	78	1210 x 1500 x 850
		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
		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
P. 114		1004	247,2	90	2250 x 1845 x 850
		1104	285,9	90	2250 x 1845 x 850
		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
ECOi-W WSW-N EVO R		440	358,6	95	4590 x 1650 x 1450
		490	405,3	95	4590 x 1650 x 1450
		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
		920	758,1	98	5110 x 1680 x 1520
		990	817,2	98	5100 x 1680 x 1520
P. 115		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
		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 scroll compressor.
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	Operating weight	RRP
			SEER	$n_{s,c}$		SCOP	Energy efficiency class	$n_{s,h}$	SCOP	Energy efficiency class	$n_{s,h}$		H x W x L		
		kW			kW		A+++ to D			A+++ to D		dB(A)	mm	kg	£
ECOi-W WQ 20-190 C - cooling only															
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	
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	
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	
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 - cooling only / heat pump																
Outdoor unit		**20**	**25**	**30**	**35**	**40**	**45**	**50**	**60**	**75**	**90**	**120**	**150**	**170**	**190**
Type of water connections (evaporator and condenser)		Victaulic®													
Water inlet/outlet diameter	Inch	1½	1½	1½	1½	1½	1½	2½	2½	2½	2½	2½	2½	2½	2½
Water connections information. ECOi-W WQ 20-190 R - condenserless unit																
Type of water connections (evaporator)		Victaulic®													
Water inlet/outlet diameter	Inch	1½	1½	1½	1½	1½	1½	2½	2½	2½	2½	2½	2½	2½	2½
Remote condenser refrigerant connections information. ECOi-W WQ 20-190 R - condenserless unit																
Type of connections		To be brazed													
Inlet - outlet diameter	Inch	⅝ - ⅝	⅝ - ⅞	⅝ - ⅞	⅝ - ⅞	⅝ - ⅞	⅝ - ⅞	⅝ - ⅞	⅝ - ⅞	⅞ - 1⅛	⅞ - 1⅛	⅞ - 1⅜	⅞ - 1⅝	1⅛ - 1⅝	1⅛ - 1⅝

1) According to EN14511 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 EN14825 standard. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) According to EN14511 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 EN14825 standard - low temperature application (35 °C). 7) According to EN14825 standard - medium temperature application (55 °C). 8) 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
Compressor jackets
Desuperheater available for sizes 50-190
Hydrokit with 1 or 2 pumps for evaporator and condenser

Accessories and options
Mechanical gauges kit
Modbus communication protocol
Power factor corrector capacitors
Soft starter

Accessories and options
Water filter
Water flow switch

Water cooled chillers, heat pumps and condenserless units

ECOi-W WQ 524-1604 C/H/R · R410A

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] SEER	$n_{s,c}$	Heating capacity [4]	ErP data [5] [6] SCOP	$n_{s,h}$	ErP data [5] [7] SCOP	$n_{s,h}$	Sound power [8]	Dimension Height	Width	Width for handling	Length	Operating weight	RRP
										STD / S	STD / S	STD / S	STD / S		STD / S	
		kW			kW					dB(A)	mm	mm		mm	kg	€
ECOi-W WQ 524-1604 C - cooling only																
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 - cooling only / heat pump / condenserless unit											
Outdoor unit		**524**	**604**	**704**	**804**	**904**	**1004**	**1104**	**1204**	**1404**	**1604**
Type of water connections		Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®	Victaulic®
Water 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	⅞	⅞	1⅛	1⅛	1⅛	1⅛	1⅛	1⅛	1⅛	1⅛
Outlet diameter	Inch	1⅛	1⅛	1⅜	1⅜	1⅝	1⅝	1⅝	1⅝	1⅝	1⅝

1) According to EN14511 standard: evaporator EWT/LWT 12 °C/7 °C, condenser EWT/LWT 30 °C/35 °C. 2) According to EN14825 standard. 3) ErP compliant: following COMMISSION REGULATION (EU) 2016/2281. 4) Sound levels are at fully loaded conditions. Sound power values refers to ISO 3744 standard. 5) According to EN14511 standard: evaporator EWT/LWT 10 °C/7 °C, condenser EWT/LWT 40 °C/45 °C. 6) ErP compliant: following COMMISSION REGULATION (EU) No 813/2013. 7) According to EN14825 standard - low temperature application (35 °C). 8) According to EN14825 standard - medium temperature application (55 °C).
* 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
Modbus communication protocol

Accessories and options
Soft starter
Water filter
Water flow switch

Water cooled chillers, heat pumps and condenserless units

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

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

Water connections information. ECOi-W WSW-N EVO 440-1550 C/H/R - cooling only / heat pump / condenserless unit																	
Outdoor unit			**440**	**490**	**570**	**630**	**700**	**770**	**860**	**920**	**990**	**1070**	**1130**	**1220**	**1280**	**1400**	**1550**
Type of water connections (evaporator)			Victaulic®														
Inlet/outlet diameter		Inch	6	6	6	6	8	8	8	8	10	10	10	10	10	10	10
Water connections information. ECOi-W WSW-N EVO 440-1550 C/H - cooling only / heat pump																	
Type of water connections (condenser)	C/H		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	5 / 5	5 / 5
	H	Inch	4	4	5	5	5	5	4 / 4	4 / 4	4 / 4	4 / 5	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																	
Type of connections			To be brazed														
Inlet - outlet diameter circuit 1		Inch	1⅝-3⅛	1⅝-3⅛	2⅛-3⅝	2⅛-3⅝	2⅛-4⅛	2⅛-4⅛	1⅝-3⅛	1⅝-3⅛	1⅝-3⅛	2⅛-3⅛	2⅛-3⅛	2⅛-3⅛	2⅛-3⅛	2⅛-4⅛	2⅛-4⅛
Inlet - outlet diameter circuit 2		Inch	—	—	—	—	—	—	1⅝-3⅛	1⅝-3⅛	1⅝-3⅛	2⅛-3⅛	2⅛-3⅛	2⅛-3⅛	2⅛-3⅛	2⅛-4⅛	2⅛-4⅛

1) According to EN14511 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 EN14825 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
Mechanical gauges

Accessories and options
Power factor corrector capacitors
Several communication protocols
Soft starter

Accessories and options
Water filter
Water flow switch

Quick selection guide - Fan coil units

Page	Size	Cooling and heating capacity [1] (kW)	NR sound levels (at MS) [1] [2]	Air flow [1] (m³/h)	Pressure (Pa)	Fan	Dimension [3] L x W x H (mm)
Fan coil comfort	10	3,2 / 3,4	33	108-417	—	AC/EC	766 x 225 x 477
	20	2,1 / 2,5	33	98-413	—	AC/EC	766 x 225 x 477
	30	1,8 / 2,7	36	119-345	—	AC/EC	951 x 225 x 477
	40	4,2 / 4,5	30	170-678	—	AC/EC	1136 x 225 x 477
P. 117 	50	5,0 / 5,2	37	203-816	—	AC/EC	1321 x 225 x 477
	60	5,2 / 5,8	40	245-912	—	AC/EC	1506 x 225 x 477
	70	6,6 / 7,2	40	350-1050	—	AC/EC	1319 x 225 x 575
	80	8,4 / 9,3	42	685-1398	—	EC	1506 x 225 x 575
Fan coil cassette	20	2,4 / 2,7	27	360-659	—	AC/EC	595 x 595 x 341
	30	4,0 / 3,7	30	320-734	—	AC/EC	595 x 595 x 341
	40	4,7 / 5,3	34	486-900	—	AC/EC	595 x 595 x 341
P. 118	50	6,1 / 6,8	26	529-979	—	AC/EC	849 x 849 x 358
	60	7,2 / 8,5	32	500-1159	—	AC/EC	849 x 849 x 358
	70	9,6 / 11,0	38	601-1598	—	AC/EC	849 x 849 x 358
Fan coil wall	7	1,7 / 1,7	36	282-360	—	AC	845 x 180 x 275
	9	2,5 / 2,8	39	367-551	—	AC	845 x 180 x 275
P. 119 	18	3,6 / 4,1	43	532-680	—	AC	940 x 200 x 298
	22	4,0 / 4,5	46	617-850	—	AC	940 x 200 x 298
Fan coil duct	10	1,5 / 1,8	30	48-161	0-70	EC	633 x 631 x 223
	15	2,1 / 2,6	32	255-491	0-90	EC	733 x 631 x 223
	20	2,7 / 2,6	35	360-599	0-90	EC	833 x 631 x 223
P. 119 	25	3,2 / 3,4	34	448-642	0-90	EC	933 x 631 x 223
	30	4,8 / 5,0	34	300-1068	0-90	EC	933 x 631 x 223
	40	6,7 / 7,1	34	347-1293	0-90	EC	1233 x 653 x 223
Fan coil high static duct	7	5,6 / 6,7	34	703-1125	0-110	AC/EC	1200 x 698 x 250
	15	13,3 / 15,5	40	960-2830	0-200	AC/EC	1380 x 798 x 375
	18	13,9 / 18,0	40	960-2830	0-200	AC/EC	1380 x 798 x 375
P. 120 	21	17,0 / 17,8	40	960-2830	0-200	AC/EC	1380 x 798 x 375
	24	21,2 / 24,3	44	2040-3451	0-220	AC/EC	1500 x 798 x 450
	27	24,8 / 25,0	44	2040-3451	0-220	AC/EC	1500 x 798 x 450
Smart fan coils	200	0,6 / 0,5	—	54-162	—	DC	579 x 735 x 129
	700	1,5 / 1,2	—	156-318	—	DC	579 x 935 x 129
P. 121 	900	2,1 / 1,6	—	246-462	—	DC	579 x 1135 x 129
	1100	2,5 / 2,1	—	372-576	—	DC	579 x 1335 x 129

1) Data for fan coil comfort, cassette and duct EC fan 2-pipe version. Data for fan coil high static duct AC fan / 2-pipe version. 2) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A) (21dB(A) for fan coil high static duct). 3) Fan coil comfort: with cabinet / without feet. Fan coil cassette: casing + IRYS COANDA 360 diffuser. Fan coil duct and high static duct: configuration: rectangular return and discharge.

Fan coil units

Fan coil comfort AC/EC fan

Versions: 2-pipes, 2-pipes + electric heater and 4-pipes.
Configuration: vertical or horizontal with or without cabinet.
5-speed AC fan motor(s) or low energy consumption EC fan(s).

Fan coils		Total capacity		Energy efficiency class [3]		Air flow	Dimension		Weight		RRP*		
		Cooling [1]	Heating [2]				With cabinet - without feet	Without cabinet	With cabinet	Without cabinet	Floor (with Cabinet)	Ceiling (with cabinet)	Ceiling (without cabinet)
		Med	Med	FCEER	FCCOP	Max	L x W x H	L x W x H					
		kW	kW	A to E	A to E	m³/h	mm	mm	kg	kg	£	£	£
Fan coil comfort AC fan													
1ph	P-FC10	1,00	1,18	E	E	283	766 x 225 x 477	570 x 220 x 430	19	13	459	550	415
	P-FC20	0,96	1,03	E	E	196	766 x 225 x 477	570 x 220 x 430	19	13	480	571	436
2-pipe	P-FC30	1,88	1,86	D	E	390	951 x 225 x 477	753 x 220 x 430	22	15	518	616	469
	P-FC40	2,28	2,28	D	E	499	1136 x 225 x 477	938 x 220 x 430	27	20	611	730	547
	P-FC50	3,16	3,47	D	E	716	1321 x 225 x 477	1122 x 220 x 430	30	22	686	816	610
	P-FC60	4,33	4,22	D	E	933	1506 x 225 x 477	1307 x 220 x 430	35	26	750	914	666
	P-FC70	5,84	6,27	D	E	1064	1319 x 225 x 575	1121 x 220 x 530	35	27	848	1,022	756
1ph	P-FC10	0,88	1,00	E	E	253	766 x 225 x 477	570 x 220 x 430	20	14	502	592	458
	P-FC20	1,34	1,40	D	D	241	766 x 225 x 477	570 x 220 x 430	20	14	509	600	465
	P-FC30	1,80	1,81	D	D	369	951 x 225 x 477	753 x 220 x 430	23	16	553	651	503
4-pipe	P-FC40	2,14	2,21	D	D	467	1136 x 225 x 477	938 x 220 x 430	29	22	653	772	589
	P-FC50	2,88	3,19	E	E	671	1321 x 225 x 477	1122 x 220 x 430	32	24	735	866	659
	P-FC60	4,39	4,24	D	E	885	1506 x 225 x 477	1307 x 220 x 430	37	28	805	969	721
	P-FC70	5,62	5,00	D	E	1012	1319 x 225 x 575	1121 x 220 x 530	37	29	911	1,084	818
Fan coil comfort EC fan													
1ph	P-FC10	1,16	1,30	C	D	417	766 x 225 x 477	570 x 220 x 430	19	13	648	739	604
	P-FC20	1,31	1,53	C	C	413	766 x 225 x 477	570 x 220 x 430	19	13	669	760	625
	P-FC30	1,41	1,72	B	C	345	951 x 225 x 477	753 x 220 x 430	22	15	707	805	658
2-pipe	P-FC40	2,93	2,48	A	B	678	1136 x 225 x 477	938 x 220 x 430	27	20	800	919	735
	P-FC50	3,57	3,89	A	A	816	1321 x 225 x 477	1122 x 220 x 430	30	22	875	1,005	799
	P-FC60	4,45	4,93	A	B	912	1506 x 225 x 477	1307 x 220 x 430	35	26	940	1,104	855
	P-FC70	5,56	5,81	B	B	1050	1319 x 225 x 575	1121 x 220 x 530	35	27	1,043	1,217	951
	P-FC80	6,13	6,39	B	B	1398	1506 x 225 x 575	1316 x 220 x 530	47	38	1,550	1,737	1,403
1ph	P-FC10	1,02	1,13	C	C	379	766 x 225 x 477	570 x 220 x 430	20	14	691	781	647
	P-FC20	1,20	1,33	C	C	380	766 x 225 x 477	570 x 220 x 430	20	14	698	789	654
	P-FC30	1,84	2,01	B	B	540	951 x 225 x 477	753 x 220 x 430	23	16	741	840	692
4-pipe	P-FC40	2,20	2,49	A	A	524	1136 x 225 x 477	938 x 220 x 430	29	22	842	961	778
	P-FC50	3,45	3,34	B	B	755	1321 x 225 x 477	1122 x 220 x 430	32	24	924	1,055	848
	P-FC60	3,90	4,05	B	B	845	1506 x 225 x 477	1307 x 220 x 430	37	28	995	1,159	911
	P-FC70	4,88	4,67	B	B	989	1319 x 225 x 575	1121 x 220 x 530	37	29	1,105	1,279	1,013
	P-FC80	5,86	7,99	A	A	1548	1506 x 225 x 575	1316 x 220 x 530	49	40	1,639	1,827	1,493

Water connections information									
Fan coils		**10**	**20**	**30**	**40**	**50**	**60**	**70**	**80**
Type of connections		Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded
Water connections 2 or 4-pipes (cooling)	Inch	½	½	½	½	½	½	¾	¾
Water connections 4-pipes (heating)	Inch	½	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. For 4-pipes 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
2 way or 3 way valves
4-pipes kit (additional coil)
Circuit breakers
Drain pump
Ecospeed card for EC fans
Electric heaters (from 500 W to 2500 W)
Feet with/without grid
Fuse holders
G3 filter
Horizontal or vertical drain guard (with valve)
Many air inlet/outlet configurations

Accessories and options
Electromechanical sensor for automatic change over
Modbus communication board for Plogic
MRC/WRC/BRC: remote controls for Plogic
Other speeds configuration
SRC - mini BMS controller
Suspension kit
Plogic controller (other electromechanical or electronic control systems also available)
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)

Fan coil units

Fan coil cassette AC/EC fan

Versions: 2-pipes, 2-pipes + electric heater and 4-pipes.
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).

Fan coils			Total capacity		Energy efficiency class [3]		Air flow	Dimension			Weight	RRP*		
			Cooling [1]	Heating [2]				With plastic diffuser	With panel IRYS COANDA 180	With panel IRYS COANDA 360		Cassette with IRYS 180	Cassette with IRYS 360	Cassette with plastic diffuser
			Med	Med	FCEER	FCCOP	Max	L x W x H	L x W x H	L x W x H				
			kW	kW	A to E	A to E	m³/h	mm	mm	mm	kg	£	£	£
Fan coil cassette AC fan														
1ph	2-pipe	P-FQ20	1,76	2,17	D	E	659	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	14,8	1,206	1,148	1,049
		P-FQ30	2,87	3,15	C	D	734	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,274	1,215	1,116
		P-FQ40	3,49	3,92	D	D	900	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,319	1,174	1,162
		P-FQ50	4,43	5,08	C	C	979	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	37,1	2,177	2,116	1,828
		P-FQ60	5,46	6,26	C	C	1159	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	37,1	2,213	2,153	1,865
		P-FQ70	6,48	7,95	C	D	1447	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	39,6	2,279	2,218	1,930
	4-pipe	P-FQ20	1,48	1,27	E	E	659	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	14,8	1,310	1,251	1,152
		P-FQ30	2,68	4,40	C	C	734	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,384	1,325	1,226
		P-FQ40	3,21	5,00	D	D	900	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,434	1,289	1,276
		P-FQ60	4,96	7,79	C	C	1159	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	37,1	2,348	2,287	1,999
		P-FQ70	6,01	10,07	D	C	1447	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	39,6	2,398	2,338	2,050
Fan coil cassette EC fan														
1ph	2-pipe	P-FQ20	1,77	2,17	B	B	659	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	14,8	1,384	1,325	1,226
		P-FQ30	2,88	3,15	A	B	734	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,457	1,398	1,299
		P-FQ40	3,51	3,92	B	B	900	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,502	1,357	1,344
		P-FQ50	4,44	5,08	A	A	979	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	37,1	2,262	2,202	1,914
		P-FQ60	5,48	6,26	A	A	1159	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	37,1	2,467	2,406	2,118
		P-FQ70	6,51	7,95	A	A	1598	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	39,6	2,530	2,469	2,181
	4-pipe	P-FQ20	1,49	1,27	B	C	659	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	14,8	1,482	1,423	1,324
		P-FQ30	2,69	4,40	A	A	734	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,546	1,488	1,388
		P-FQ40	3,23	5,00	B	B	900	720 x 720 x 334	595 x 595 x 353	595 x 595 x 341	16,5	1,597	1,452	1,439
		P-FQ60	4,98	7,79	A	A	1159	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	37,1	2,609	2,549	2,260
		P-FQ70	6,04	10,67	B	A	1598	960 x 960 x 339	849 x 849 x 366	849 x 849 x 358	39,6	2,631	2,571	2,283

Water connections information							
Fan coils		**20**	**30**	**40**	**50**	**60**	**70**
Type of connections		Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded
Water connections 2 or 4-pipes (cooling)	Inch	¾	¾	¾	1	1	1
Water connections 4-pipes (heating)	Inch	½	½	½	—	¾	¾

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-pipes 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
2 way or 3 way valves
Auxiliary drain pan
Ecospeed card for EC fans
Electric heaters (from 1500 W to 3000 W)
Electromechanical sensor for automatic change over
Fresh air intake
G4 filter
IRC: infrared remote control for Plogic

Accessories and options
Modbus communication board for Plogic
Plastic or metallic (IRYS COANDA) diffusers (mandatory)
SRC - mini BMS controller
Plogic controller (other electromechanical or electronic control systems also available)
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
WRC: wall-mounted remote control for Plogic

Fan coil units

Fan coil wall AC fan

Version: 2-pipes.
3-speed AC fan motor.
Version with infrared remote controller (IR).

Fan coils			Total capacity		Air flow	Dimension	Weight	RRP*
			Cooling [1]	Heating [2]				
			Med	Med	Max	L x W x H		
			kW	kW	m³/h	mm	kg	£
1ph	2-pipes, without valve	P-FW07	1,34	1,62	360	845 x 180 x 275	11	483
		P-FW09	1,79	1,92	551	845 x 180 x 275	11	534
		P-FW18	3,05	3,30	680	940 x 200 x 298	13	600
		P-FW22	3,29	3,63	850	940 x 200 x 298	13	651
	2-pipes, without valve included IR controller	P-FW07IR	1,34	1,62	360	845 x 180 x 275	11	534
		P-FW09IR	1,79	1,92	551	845 x 180 x 275	11	578
		P-FW18IR	3,05	3,30	680	940 x 200 x 298	13	639
		P-FW22IR	3,29	3,63	850	940 x 200 x 298	13	696
	2-pipes, with 3W valve included IR controller	P-FW09IR-3W	1,25	1,61	400	845 x 180 x 275	11	787
		P-FW22IR-3W	2,68	2,75	600	940 x 200 x 298	13	844

Water connections information		2-pipes, without valve				2-pipes, with valve	
Fan coils		07	09	18	22	09	22
Type of connections		Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded
Water connections	Inch	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.

Accessories and options
2 way or 3 way valves
Modbus communication board for Plogic
SRC - mini BMS controller
Plogic controller (other electromechanical or electronic control systems also available)

Accessories and options
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
WRC: wall-mounted remote control for Plogic

Fan coil duct EC fan

Versions: 2-pipes, 2-pipes + electric heater and 4-pipes.
Low energy consumption EC fan.

Fan coils			Total capacity		Energy efficiency class [3]		Air flow [4]	External static pressure	Dimension Without drain pan	Weight	RRP*
			Cooling [1]	Heating [2]	FCEER	FCCOP					
			Med	Med	A to E	A to E	Max		L x W x H		
			kW	kW			m³/h	Pa	mm	kg	£
1ph	2-pipe	P-FD10	1,2	1,28	C	C	357	357	633 x 631 x 223	14	786
		P-FD15	1,88	2,07	B	A	491	491	733 x 631 x 223	16	867
		P-FD20	2,42	2,47	B	B	599	599	833 x 631 x 223	18	919
		P-FD25	2,77	3,02	B	A	642	642	933 x 631 x 223	20	979
		P-FD30	3,66	3,83	B	B	1068	1068	933 x 631 x 223	22	1,111
		P-FD40	4,94	5,1	A	A	1293	1293	1233 x 653 x 223	29	1,193
	4-pipe	P-FD10	1,35	1,66	C	C	384	384	633 x 631 x 223	14	854
		P-FD15	1,78	2,54	B	A	452	452	733 x 631 x 223	16	911
		P-FD20	2,38	3,02	B	A	560	560	833 x 631 x 223	18	963
		P-FD25	2,69	3,59	B	A	602	602	933 x 631 x 223	20	1,026
		P-FD30	3,54	3,27	B	B	943	943	933 x 631 x 223	22	1,180
		P-FD40	4,76	5,05	A	A	1228	1228	1233 x 653 x 223	29	1,275

Water connections information								
Fan coils		10	15	20	25	30	40
Type of connections		Gas Female threaded	Gas Female threaded	Gas Female threaded	Gas Female threaded	Gas Female threaded	Gas Female threaded
Water connections 2 or 4-pipes (cooling)	Inch	½	½	½	½	½	¾
Water connections 4-pipes (heating)	Inch	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. For 4-pipes 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 (DT10/15/20/25/30) or G3 (DT40) filter.
* These prices don't include accessories and options ** Check data and configuration on AC SELECT.

Accessories and options
2 way or 3 way valves
Circuit breakers
Condensate drain pump
Ecospeed card for EC fans
Electric heaters (from 500 W to 2500 W)
Fresh air intake
Fuse holder

Accessories and options
G2/G3 filter
Many air inlet/outlet configurations
Electromechanical sensor for automatic change over
Modbus communication board for Plogic
Other speeds configuration (standard factory set speeds in technical features table)
SRC - mini BMS controller

Accessories and options
Suspension kit
Plogic controller (other electromechanical or electronic control systems also available)
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
WRC: wall-mounted remote control for Plogic

Fan coil units

Fan coil high static duct AC/EC fan

Versions: 2-pipes, 2-pipes + electric heater and 4-pipes.
5 or 4-speed AC fan or low energy consumption EC fan.

Fan coils			Total capacity		Energy efficiency class [3]		Air flow [4]	External static pressure	Dimension	Weight	RRP*
			Cooling [1]	Heating [2]	FCEER	FCCOP					
			Med	Med			Max		L x W x H		
			kW	kW	A to E	A to E	m³/h	Pa	mm	kg	£
Fan coil high static duct AC fan											
1ph	2-pipe	P-FH7	5,32	5,53	D	C	1125	70	1200 x 698 x 250	42	1,222
		P-FH15	11,48	12	D	C	2830	90	1380 x 798 x 375	63	1,526
		P-FH18	11,48	14	D	C	2830	90	1380 x 798 x 375	65	1,664
		P-FH21	13,7	13,9	D	C	2830	90	1380 x 798 x 375	67	1,760
		P-FH24	16,67	17,4	D	D	2925	75	1500 x 798 x 450	76	1,944
		P-FH27	18,9	17,9	D	D	2925	75	1500 x 798 x 450	80	2,071
	4-pipe	P-FH7	4,84	7	D	C	974	70	1200 x 698 x 250	42	1,282
		P-FH15	10,08	17	D	C	2830	90	1380 x 798 x 375	63	1,631
		P-FH18	11,18	17,06	D	C	2830	90	1380 x 798 x 375	65	1,770
		P-FH21	14,38	17,1	D	C	2830	90	1380 x 798 x 375	67	1,869
		P-FH24	15,27	12,9	D	D	2925	75	1500 x 798 x 450	76	2,051
		P-FH27	16,77	25	D	D	2925	75	1500 x 798 x 450	80	2,184
Fan coil high static duct EC fan											
1ph	2-pipe	P-FH7	4,90	5,61	—	—	1293	116	1200 x 698 x 250	42	1,491
		P-FH15	10,1	11,7	A	A	2335	65	1380 x 798 x 375	63	2,160
		P-FH18	11,7	13,1	A	A	2335	65	1380 x 798 x 375	65	2,298
		P-FH21	12,7	14,1	A	A	2335	65	1380 x 798 x 375	67	2,394
		P-FH24	16,1	17,6	B	A	3098	66	1500 x 798 x 450	76	2,578
		P-FH27	18,1	19,1	A	A	3098	66	1500 x 798 x 450	80	2,705
	4-pipe	P-FH7	4,74	6,81	—	—	1229	117	1200 x 698 x 250	42	1,551
		P-FH15	8,21	7,45	B	B	2335	65	1380 x 798 x 375	63	2,265
		P-FH18	9,26	12,9	B	A	2335	65	1380 x 798 x 375	65	2,404
		P-FH21	11,3	11,9	A	A	2335	65	1380 x 798 x 375	67	2,503
		P-FH24	14	11,9	A	B	3098	66	1500 x 798 x 450	76	2,685
		P-FH27	15,3	11,7	A	B	3098	66	1500 x 798 x 450	80	2,818

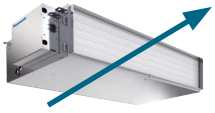
Water connections information							
Fan coils		**07**	**15**	**18**	**21**	**24**	**27**
Type of connections		Gas Female threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded	Gas Male threaded
Water connections 2-pipe	Inch	½	1	1¼	1¼	1¼	1¼
Water connections 4-pipe (cooling - heating)	Inch	½ - ½	1 - ¾	1 - ¾	1 - ¾	1¼ - ¾	1¼ - ¾

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-pipes 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
2 way or 3 way valves
Auxiliary drain pan
Circuit breakers
Condensate drain pump
Double skin acoustic insulation
Electric heaters (from 1000 W to 3000 W)
Fresh air intake
Fuse holder
G3/G4 filter
Inlet and outlet plenums for circular ducts (07 only)

Accessories and options
Electromechanical sensor for automatic change over
Modbus communication board for Plogic
Other speeds configuration (standard factory set speeds in technical features table)
SRC - mini BMS controller
Suspension kit
Plogic controller (other electromechanical or electronic control systems also available)
TControl EASY 3S and TControl POD glass controllers (other electromechanical or electronic control systems also available)
WRC: wall-mounted remote control for Plogic

N.B. Ducted fancoils can be ordered with with either a right or left hand connecetion. The pipework connections of the unit are based on the airflow coming forward.



Fan coil units

Smart fan coils

Extremely compact (only 129 mm deep).
Touch screen thermostat.
3-way valve included.

Fan coils		Total capacity		Air flow	Dimension	Weight	RRP
		Cooling	Heating				
		Med	Med	Max	H x W x D		
		kW	kW	m³/h	mm	kg	£
1ph	PAW-AAIR-200-2	0,5	0,4	162	579 x 735 x 129	17	750
	PAW-AAIR-700-2	0,9	0,8	318	579 x 935 x 129	20	811
	PAW-AAIR-900-2	1,6	1,2	462	579 x 1135 x 129	23	972
	PAW-AAIR-1100-2	1,8	1,4	576	579 x 1335 x 129	26	935

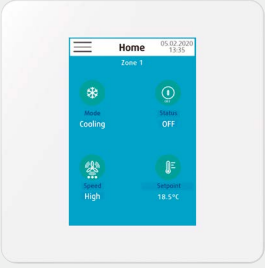
* Smart fan coils is produced by Innova.

Fan coil units controllers			RRP £
	Electro-mechanical controller (supplied loose).	TRM-FA	60
	P Logic PCB/ P-Logic PCB (P-FQ 20 - 40)/ P-Logic PCB (P-FQ 50 - 70)	Plogic	290/ 327/ 391
	Electronic controller.	TControl EASY 3S	168
	Electronic controller.	TControl POD glass	511
	Electronic controller.	TControl POD glass	546
	Wired remote controller with touch control for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-907EC	151
	Wired remote controller with touch control for 2-pipe, AC fan coil (control only).	PAW-FC-907AC	102

	Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).	PAW-FC-903EC	129
	Wired remote controller for 2-pipe, AC fan coil (control only).	PAW-FC-903AC	47
	Advanced wired remote controller for fan coil.	PAW-FC-RC1	97
	Smart controller. Mini building management system.	SRC	1,112
	Plogic remote control.	WRC / MRC	67 / 134
	Plogic remote control.	BRC	99
	Plogic remote control.	IRC	71

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.

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 L x W x H (mm)
ECOi-LOOP C/H · R410A	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]
P. 124	30	2,9 / 3,7	34	525	0-140	EC	900 x 530 x 250 [2]
ECOi-LOOP-N H · R513A	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]
P. 124	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]
ECOi-LOOP-N EVO C/H · R513A							
		2,9 / 3,8	25,8 [3]	525	0-140	EC	900 x 636 x 250 [2]
P. 125							

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

Quick selection guide - Water source heat pumps

Page	Size	Cooling and heating capacity (kW)	NR sound levels (at MS)	Nominal air flow [1] (m^3/h)	Pressure (Pa)	Fan	Dimension LxWxH (mm)
ECOi-LOOP HRW H · R407C **ECOi-LOOP HRWE H · R407C**	19	5,3 / 5,8	37	1250	>50	AC	900 x 600 x 439
	27	7,4 / 8,3	34	1190	>50	AC	1050 x 600 x 460
	27 HE	7,5 / 9,3	34	1180	>50	AC	1050 x 660 x 460
	30	8,7 / 9,8	35	1490	>100	AC	1050 x 660 x 460
	30 HE	8,9 / 10,0	35	1500	>100	AC	1050 x 660 x 460
	36	10,1 / 11,0	37	1580	>100	AC	1050 x 660 x 460
	36 HE	11,1 / 12,2	37	1580	>100	AC	1250 x 705 x 513
	42	11,4 / 14,4	40	2040	>100	AC	1250 x 705 x 513
	42 HE	12,5 / 14,5	40	2040	>100	AC	1250 x 705 x 513
P. 126	48	13,0 / 14,9	43	2750	>100	AC	1250 x 705 x 513
	60	14,3 / 16,1	43	2840	>100	AC	1250 x 705 x 513
	60 HE	16,7 / 18,8	43	2840	>100	AC	1250 x 705 x 583
	72	17,1 / 21,5	39	3570	>100	AC	1250 x 705 x 513
	72 HE	20,6 / 22,6	39	3800	>100	AC	1680 x 955 x 770
	96	21,7 / 26,6	54	4700	>100	AC	1680 x 955 x 770
	96 HE	24,5 / 28,5	54	4700	>100	AC	1680 x 955 x 770
	20	30,0 / 38,1	53	5600	>200	AC	1680 x 955 x 770
ECOi-LOOP FS H · R407C							
	12	2,7 / 3,2	40	510	0	AC/EC	1138 x 251 x 821 [2]
P. 127							
ECOi-LOOP-N FS H · R513A	7	1,7 / 1,8	34	340	0	AC/EC	1138 x 260 x 821 [2]
	9	2,0 / 2,6	36	400	0	AC/EC	1138 x 260 x 821 [2]
P. 127							

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	
					L x W x H		
		W	W	m³/h	mm	kg	£
ECOi-LOOP 15-30 C - cooling only							
15	**P-LPE015CA**	1507	—	435	900 x 530 x 250	48	**POA**
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	**POA**
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 Gas male	½ Gas male	½ Gas male
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
Controller with BACnet MSTP (LON and Modbus TCP/IP available upon request)
Drain outlet

Accessories and options
Drain pump
Electric heaters
Flow switch control
Insulation around the fan
Many air inlet/outlet and water connection configurations

Accessories and options
Pressostatic valve (cooling only)
RCS remote control (for controller with protocol communication)
Room temperature sensor
SRC - mini BMS controller

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	Nominal static pressure	Dimension	Operating weight	RRP
		Cooling [1]	Heating [2]			Without air inlet/outlet options	Without air inlet/outlet options	
				Max (HS)		L x W x H		
		W	W	m³/h	Pa	mm	kg	£
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 Gas male	1 Gas male	1 Gas male	1 Gas male	1 Gas male	1 Gas male
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
Controller with BACnet MSTP or BACnet IP (LON and Modbus TCP/IP available upon request)
Drain pump

Accessories and options
Electric heaters
Flow switch control
General default report
Many air configurations

Accessories and options
RCS remote control (for controller with protocol communication)
Room temperature sensor
SRC - mini BMS controller

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	kg	£
ECOi-LOOP-N EVO C - cooling only						
P-LPVN030CA	1687 - 2948	—	290 - 525	900 x 636 x 250	51	**POA**
ECOi-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 Gas male
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
Drain outlet
Drain pump
Electric heaters
Flow switch control

Accessories and options
General default report
Insulation around the fan
Many air inlet/outlet and water connection configurations
RCS remote control (for controller with protocol communication)
Room temperature sensor
SRC - mini BMS controller

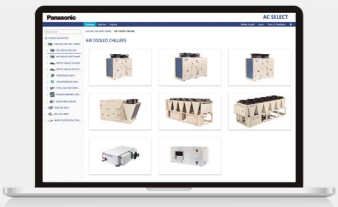
What is a water loop system with water source heat pumps?

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 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.

AC SELECT.

Smart and user-friendly the new air conditioning selection program: 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]		L x W x H		
		W	W	m³/h	mm	kg	£
ECOi-LOOP HRW H - heat pump							
19	**P-LPHM019HA*** [3]**	5278	5826	1250	900 x 600 x 439	80	
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	**POA**
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	
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	**POA**
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

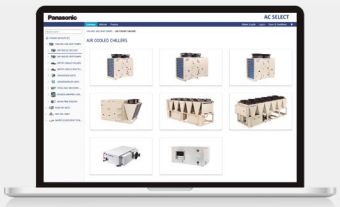
1) Nominal cooling capacities based on: entering air temperature of 27 °C DB, 19 °C WB with entering water temperature of 30 °C. 2) Nominal heating capacities based on: entering air temperature of 20 °C DB, 15 °C WB with entering water temperature of 20 °C. 3) *** HWA: units without RCS, HRA: units with 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
Controller with BACnet MSTP (LON and Modbus TCP/IP available upon request)
Electric heaters
General alarm dry contact
Main switch

Accessories and options
Motorized water valve
RCS remote control (for controller with protocol communication)
Room sensor
SRC - mini BMS controller
G3 filter (available upon request)

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



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	Dimension with cabinet		Dimension without cabinet		Operating weight	RRP
		Cooling [1]	Heating [2]		Standard (VC)	Low height (VCL)	Standard (VN)	Low height (VNL)		
				Max	L x W x H				Without / with cabinet	
		W	W	m³/h	mm	mm	mm	mm	kg	£
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	POA

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 x2 0	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
Controller with BACnet MSTP (LON and Modbus TCP/IP available upon request)
EC fan
Feet

Accessories and options
General remote alarm contact
Low noise
Many electric, hydraulic and aeraulic configurations

Accessories and options
RCS remote control (for controller with protocol communication)
SRC - mini BMS controller
Thermal overload

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	Dimension with cabinet		Dimension without cabinet		Operating weight	RRP
		Cooling [1]	Heating [2]		Standard (VC)	Low height (VCL)	Standard (VN)	Low height (VNL)		
				Max	L x W x H				Without / with cabinet	
		W	W	m³/h	mm	mm	mm	mm	kg	£
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
Controller with BACnet MSTP (LON and Modbus TCP/IP available upon request)
EC fan
Feet

Accessories and options
General remote alarm contact
Low noise
Many electric, hydraulic and aeraulic configurations

Accessories and options
RCS remote control (for controller with protocol communication)
SRC - mini BMS controller
Thermal overload

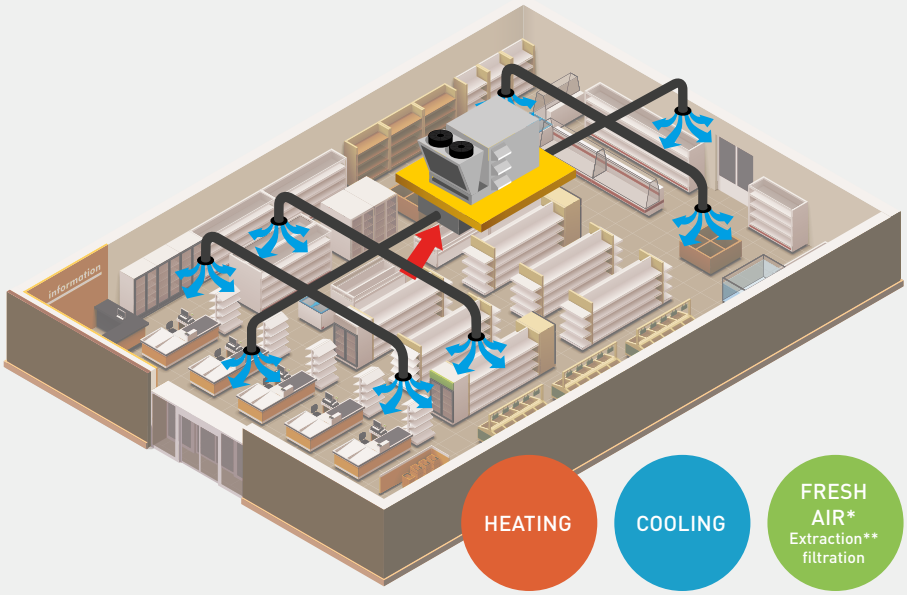
Quick selection guide - Rooftops cooling only

Page	Size	Cooling capacity (kW)	Nominal air flow (m³/h)	Sound power (lwo - dB(A))	Dimension LxWxH (mm)
NEW ECOi-RT-Z C · R32					
P. 130 	Sizes 40 and 50 Coming soon Spring 2024				
ECOi-RT C · R410A	55	49,60	9720	80	3250 x 1800 x 2030
	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
	105	111,08	19200	85	3740 x 2110 x 2285
P. 131	120	119,87	21500	87	3740 x 2110 x 2285
	140	142,09	25500	91	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
	210	219,12	32000	94	5505 x 2110 x 2285

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 centers, industries, or airports that need high capacity. It is also a space saving solution, easy to install, directly on the roof or close to a building.



* With 2 or 3 dampers configurations. ** Available only with 3 dampers configuration.

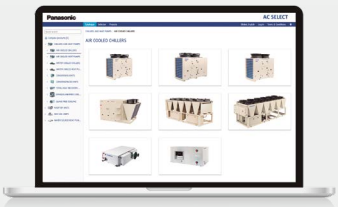
Quick selection guide - Rooftops heat pump

Page	Size	Cooling and heating capacity (kW)	Nominal air flow (m³/h)	Sound power (lwo - dB(A))	Dimension LxWxH (mm)
NEW ECOi-RT-Z H · R32		Sizes 40 and 50 Coming soon Spring 2024			
					
P. 130	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
ECOi-RT H · R410A	55	48,1 / 50,7	9720	80	3250 x 1800 x 2030
	65	61,0 / 59,7	11500	83	3250 x 1800 x 2030
	80	76,7 / 76,6	14300	80	3250 x 1800 x 2030
	95	87,2 / 90,7	17500	85	3740 x 2110 x 2285
	105	107,8 / 107,0	19200	85	3740 x 2110 x 2285
P. 131	120	116,3 / 117,1	21500	87	3740 x 2110 x 2285
	140	137,9 / 148,7	25500	91	3740 x 2110 x 2285
	160	160,1 / 157,9	28000	91	5505 x 2110 x 2285
	190	191,2 / 187,3	30000	92	5505 x 2110 x 2285
	210	212,6 / 214,4	32000	94	5505 x 2110 x 2285

* Heat pump version with EC fans.

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



Rooftops

ECOi-RT-Z C/H · R32

Scroll compressor.
EC fan.
Operation range: OAT -10 to 50 °C in cooling and -15 to 18 °C in heating.

R32 REFRIGERANT

New 2024

Outdoor unit		Cooling capacity [1]	SEER [2] [3]	Energy efficiency class [2] [3]	$n_{s,c}$ [2] [3]	Heating capacity [1]	SCOP [2] [3]	Energy efficiency class [2] [3]	$n_{s,h}$ [2] [3]	Sound power	Dimension Length (total)	Length (floor)	W x H	Weight (without option)	RRP
		kW		A+ to E		kW		A+ to E		dB(A)	mm		mm	kg	£
ECOi-RT-Z C - cooling only															
40	**P-RTZ0040CA**					—	—	—	—						**POA**
50	**P-RTZ0050CA**					—	—	—	—						
ECOi-RT-Z H - heat pump															
40	**P-RTZ0040HA**														
50	**P-RTZ0050HA**														
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	

Coming soon

Refrigerant and compressors information				
Outdoor unit		**105**	**120**	**140**
Number of refrigerant circuits		2	2	2
Compressors	Number / type	2 / Scroll	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
Adjustable roofcurb
Anti-vibration mounts
Clogged filter sensor (1 or 2 stages)
Compressor soft starter
Container transportation compatibility
Dehumidification function
Electric heater 48 kW
Energy meter

Accessories and options
Fan speed control
G4, G4+F7 or G4+F9 filters
Hot water coil
Local and additional remote keyboard
Many aeraulic configurations
Room temperature sensor
Sensors (enthalpy, CO_2)
Smoke detector
Supply EC LPF plug fans

R32 Rooftop units.

Extension of the rooftop range with R32 refrigerant.

2 sizes (40-50).
1 chassis.

· Low energy consumption EC indoor fans
· EC outdoor fan (option)
· Cooling only and heat pump versions
· Wide operating limits: from -15 °C to +50 °C OAT
· Very compact unit
· Double skin (standard)
· Many aeraulic configurations
· Dehumidification
· Fresh air preheating
· Air quality management (option)

Rooftops

ECOi-RT C/H · R410A

Scroll compressor.
EC fan.
Operation range: OAT -10 to 50 °C in cooling and -15 to 18 °C in heating.

Outdoor unit		Cooling capacity [1]	SEER [2] [3]	Energy efficiency class [2] [3]	$n_{s,c}$ [2] [3]	Heating capacity [1]	SCOP [2] [3]	$n_{s,h}$ [2] [3]	Sound power (lwo) - outside	Dimension Length (total)	Length (floor)	W x H	Weight (without option)	RRP
		kW		A+ to E		kW			dB(A)	mm		mm	kg	£
ECOi-RT C EC fan - cooling only														
55	**P-RTE0055CA**	49,60	**3,57**	**B**	**140**	—	**—**	**—**	80	3250	2895	2030 x 1800	1085	**POA**
65	**P-RTE0065CA**	62,80	**3,58**	**B**	**140**	—	**—**	**—**	83	3250	2895	2030 x 1800	1155	
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	
105	**P-RTE0105CA**	111,08	**3,66**	**B**	**143**	—	**—**	**—**	85	3740	3295	2285 x 2110	1685	
120	**P-RTE0120CA**	119,87	**3,57**	**B**	**140**	—	**—**	**—**	87	3740	3295	2285 x 2110	1805	
140	**P-RTE0140CA**	142,09	**3,52**	**B**	**138**	—	**—**	**—**	91	3740	3295	2285 x 2110	1855	
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	
210	**P-RTE0210CA**	219,12	**3,71**	**B**	**145**	—	**—**	**—**	94	5505	5050	2285 x 2110	2705	
ECOi-RT H EC fan - heat pump														
55	**P-RTE0055HA**	48,10	**3,53**	**B**	**138,12**	50,65	**3,20**	**125,00**	80	3250	2895	2030 x 1800	1085	**POA**
65	**P-RTE0065HA**	61,00	**3,52**	**C**	**137,80**	59,65	**3,22**	**125,80**	83	3250	2895	2030 x 1800	1155	
80	**P-RTE0080HA**	76,70	**3,63**	**B**	**142,20**	76,63	**3,22**	**125,80**	80	3250	2895	2030 x 1800	1225	
95	**P-RTE0095HA**	87,21	**3,52**	**C**	**137,80**	90,66	**3,23**	**126,20**	81	3740	3295	2285 x 2110	1470	
105	**P-RTE0105HA**	107,81	**3,55**	**B**	**139,17**	106,95	**3,22**	**126,00**	85	3740	3295	2285 x 2110	1685	
120	**P-RTE0120HA**	116,34	**3,52**	**B**	**138,00**	117,10	**3,21**	**125,00**	87	3740	3295	2285 x 2110	1805	
140	**P-RTE0140HA**	137,88	**3,52**	**B**	**138,00**	148,70	**3,20**	**125,00**	91	3740	3295	2285 x 2110	1855	
160	**P-RTE0160HA**	160,10	**3,80**	**B**	**148,92**	157,90	**3,19**	**125,00**	91	5505	5050	2285 x 2110	2350	
190	**P-RTE0190HA**	191,21	**3,82**	**B**	**149,82**	187,31	**3,23**	**126,00**	92	5505	5050	2285 x 2110	2555	
210	**P-RTE0210HA**	212,60	**3,65**	**B**	**143,15**	214,37	**3,19**	**125,00**	94	5505	5050	2285 x 2110	2705	

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	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	Copper tubes and aluminium fins
Number of rows		3	3	4	3	4	4	4	4	6	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	Copper tubes and aluminium fins
Number of rows		2	2	3	2	3	3	3	2	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
AC HP plug fan
Adjustable roof curb
Anti-vibration mounts
Clogged filter sensor (1 or 2 stages)
Compatible container transportation
Compressor soft starter
EC or EC HP plug fan
Electric heaters
Energy recovery system
Epoxy treatment (indoor/outdoor coils)
Fan speed control

Accessories and options
G4, G4+F7 or G4+F9 filters
Gas heater (upon request)
Hot water coil
Local additional remote keyboard
Many aeraulic configurations (bottom, side, front, top)
Modbus / BACnet
RECO or TRECO energy recovery
Room temperature sensor
Sensors (VOC, enthalpy, CO_2)
Smoke detector

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
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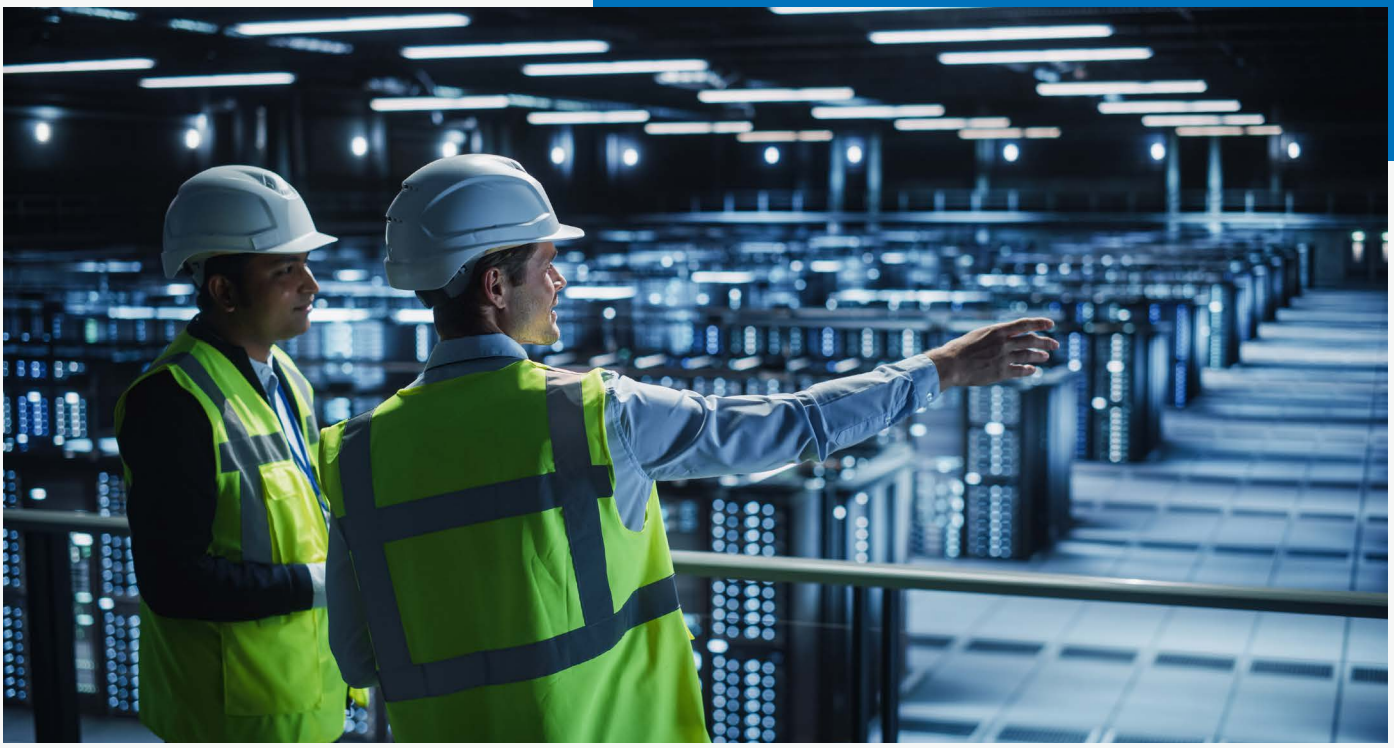
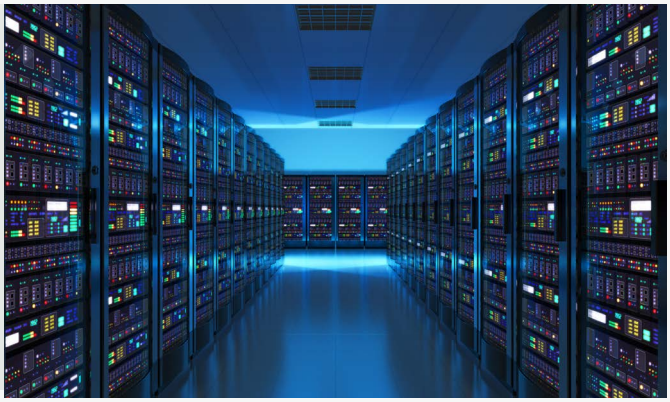


Different versions for data centres applications:

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: Perimeter and compact solution.
G Series: Perimeter 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.

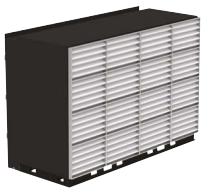
Flexibility, reliability and advanced remote control.

CCUs are flexible solutions that can be customized 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.

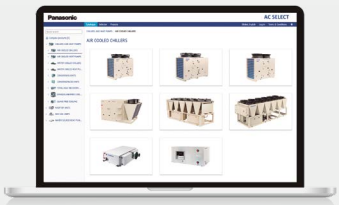
This range of monobloc cabinets has the particularity of extremely simplified implementation and maintenance. They have a small footprint, high reliability and efficiency which combined with low noise level make them particularly well suited for cooling, heating and air filtration in industries, data 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 - Perimeter	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
P. 136	220	160,0	36000	65	1990 x 3495 x 880
G Series - Great	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
P. 136	300	202,8	45200	62	1990 x 4020 x 921
R Series - In-Row	20	24,5	5600	53	1970 x 300 x 1200
	40	37,3	9000	62	2000 x 600 x 1220
P. 137					
W Series - Cold Wall	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
P. 137	4X2		—	—	3600 x 3800 x 1400

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



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)
P Series - Perimeter	71	8,2	2200	51	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
G Series - Great	932	102,6	18000	56	1990 x 2390 x 921
	1342	153,9	31500	61	1990 x 3120 x 921
R Series - In-Row	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

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Quick selection guide - Vertical DX units

Page	Size	Cooling capacity (kW)	Air flow (m³/h)	Sound pressure (dB(A))	Dimension L x W x H (mm)
T-XAR · R407C - air cooled models	1200	12,3	2,000	51	890 x 1540 x 430
	1900	16,2	3,200	56	1000 x 1735 x 500
	2450	19,8	4,500	59	1300 x 1840 x 600
	3250	29,0	5,800	65	1530 x 1830 x 600
	4650	38,9	9,000	61	1715 x 1970 x 790
	6450	55,0	12,000	69	1980 x 1970 x 790
T-CX and T-XAO · R407C - water cooled models	25	8,0	1,500	52	800 x 1280 x 407
	1200	15,0	2,000	51	890 x 1540 x 430
	1900	18,0	3,200	55	1000 x 1735 x 500
	2450	23,0	4,500	58	1300 x 1840 x 600
	3250	32,4	5,800	64	1530 x 1830 x 600
	4650	45,7	9,000	60	1715 x 1970 x 790

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Close Control units

P Series - Perimeter

Perimeter 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]	Sensible cooling capacity [1]	EER [2]	Air flow rate	Sound pressure [3]	Dimension H x W x D	Weight	Air-cooled free cooling	Water-cooled free cooling	Two sources	RRP
	kW	kW		m³/h	dB(A)	mm	kg				£
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
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	●	○	●	
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). 3) Sound pressure levels at a distance of 2 m; in a free field; pursuant to UNI EN ISO 3744:2010.

G Series - Great

Perimeter 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]	Sensible cooling capacity [1]	EER [2]	Air flow rate	Sound pressure [3]	Dimension H x W x D	Weight	RRP
	kW	kW		m³/h	dB(A)	mm	kg	£
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	

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). 3) Sound pressure levels at a distance of 2 m; in a free field; pursuant to UNI EN ISO 3744:2010.

Close Control units

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]	Sensible cooling capacity [1]	EER [2]	Air flow rate	Sound pressure [3]	Dimension H x W x D	Weight	Water-cooled free cooling	Two sources	RRP
	kW	kW		m³/h	dB(A)	mm	kg			£
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). 3) Sound pressure levels at a distance of 2 m; in a free field; pursuant to UNI EN ISO 3744:2010.

W Series - Cold Wall

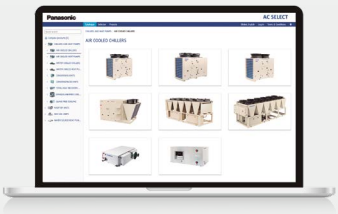
Technical corridor solution.
Zero data centres floor space occupied.
Very high EER (energy efficiency ratio) thanks to the optimized air flow.
Fully customizable according the data centres characteristics.

Outdoor unit	Cooling capacity [1]	Dimension H x W x D	Weight	RRP
	kW	mm	kg	£
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.

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/



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 Treated air Nominal	Air flow Treated air Min / Max	Fresh air (with accessory) Nominal	Static pressure [2]	Sound pressure [3] Normal speed	Dimension L x W x H	RRP
		kW	m³/h	m³/h	m³/h	daPa	dB(A)	mm	£
T-XAR - air cooled models									
1200	**T-X1200.AR**	12.3	2000	1500 / 2500	180	0 / 13	51	890 x 430 x 1540	**POA**
1900	**T-X1900.AR**	16.2	3200	2500 / 3800	285	0 / 21	56	1000 x 500 x 1735	
2450	**T-X2450.AR**	19.8	4500	3600 / 5400	420	0 / 20	59	1300 x 600 x 1840	
3250	**T-X3250.AR**	29.0	5800	4600 / 7000	500	0 / 25	65	1530 x 600 x 1830	
4650	**T-X4650.AR**	38.9	9000	7200 / 10800	1300	0 / 23	61	1715 x 790 x 1970	
6450	**T-X6450.AR**	55.0	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 L x W x H	RRP
			m³/h	W	dB(A)	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]	Air flow			Static pressure [2]	Sound pressure [3]	Dimension	RRP
			Treated air		Fresh air (with accessory)			L x W x H	
			Nominal	Min / Max	Nominal		Normal speed		
		kW	m³/h	m³/h	m³/h	daPa	dB(A)	mm	£
T-CX and T-XAO - water cooled models									
25	**T-CX25**	8.0	1500	1500 / 1750	—	0 / 8	—	800 x 407 x 1280	**POA**
1200	**T-X1200.AO**	15.5	2000	1500 / 2500	180	0 / 13	51	890 x 430 x 1540	
1900	**T-X1900.AO**	18.0	3200	2500 / 3800	285	0 / 21	55	1000 x 500 x 1735	
2450	**T-X2450.AO**	23.0	4500	3600 / 5400	420	0 / 20	58	1300 x 600 x 1840	
3250	**T-X3250.AO**	32.4	5800	4600 / 7000	500	0 / 25	64	1530 x 600 x 1830	
4650	**T-X4650.AO**	45.7	9000	7200 / 10800	1300	0 / 23	60	1715 x 790 x 1970	

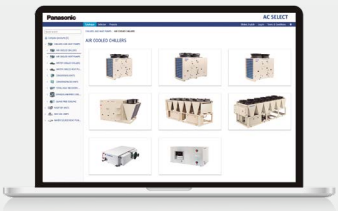
1) International standard ISO 51.51 conditions. 27 °C/19 °C (WB) - outside air : 35 °C/24 °C (WB). Wasted water: inlet +15 °C - recycled water inlet/outlet: 30 °C/35 °C. 2) Pressure in air flow range at nominal voltage, without accessories. 3) Total sound pressure dB(A) (4 m) under nominal conditions in a room of 1000 m³ (reverberation 0,83 s).

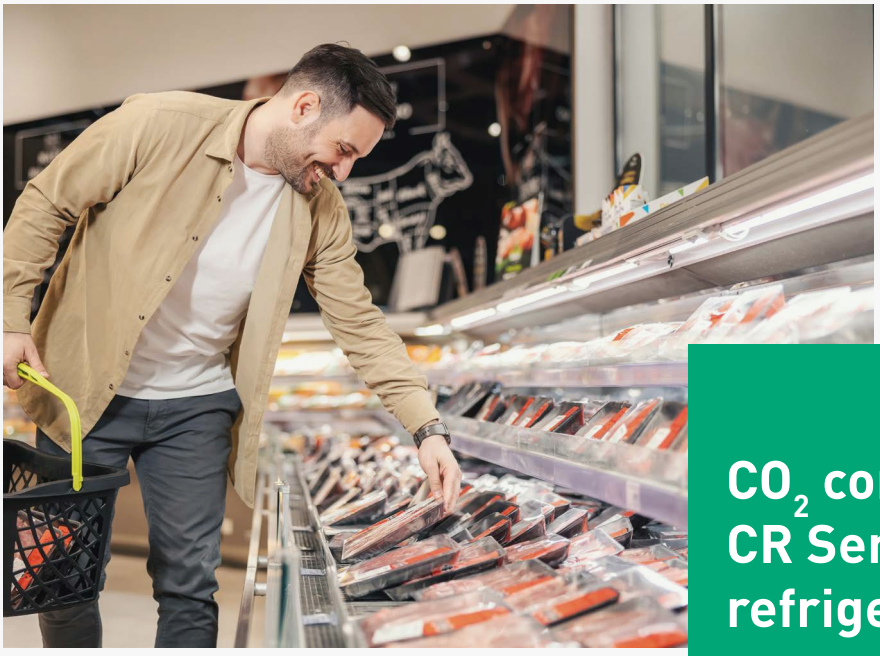
Accessories and options
Air distribution duct frame
Electric heaters
Fresh air intake
Front air distribution plenum
High ventilation (provided as standard for CX25, X1200.AO and X1900.AO)

Accessories and options
Hot water coil
ON / OFF switch and room thermostat
Remote fault reporting
Sum heating resistance
Total rear intake duct frame

AC SELECT.

Smart and user-friendly the new air conditioning selection program: https://acselect.panasonic.eu/





CO_2 condensing units - CR Series with natural refrigerant

Panasonic's CO_2 condensing units - CR Series provide the ideal solution for supermarkets, convenience stores and gas stations.
Keeping food always fresh at right temperature in showcases or cold rooms is a very critical point. And one of the biggest challenges for those retailers has been the expensive effects of refrigeration breakdowns which can result in costly product wastage.

New **2024**

New CR Series 20 HP MT/LT model..

· Multi-compressor system
· Smaller footprint
· Maximum piping length of 100 m
· Cooling capacity can be controlled from 25 to 100% under partial load

CO_2 transcritical condensing units - CR Series.

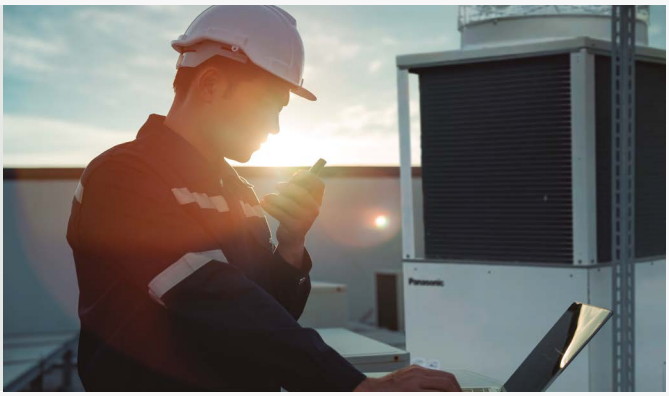
· Reliable quality - made in Japan
· Set-points at medium or low temperature available depending on applications
· 2-stage compressor with the split cycle for increased efficiency
· High seasonal performance and high COP at high ambient temperature

Compact control panel and electric expansion valves (EEVs).

· A compact intelligent controller has the smart program especially for cold rooms
· 7 different sizes EEVs are ready to meet precisely the field demand

CO_2 service checker.

· Useful tool supporting daily technical tasks on the field such as commissioning
· Reading and recording variable technical parameters
· Monitoring an alarm status



Outdoor units	MT	4,0 kW	7,0 kW	8,0 kW	15,0 kW	16,0 kW	29,0 kW
	LT	2,0 kW		4,0 kW		8,0 kW	15,0 kW

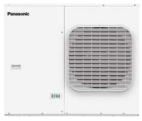
2 HP MT / LT (200VF5A)

OCU-CR200VF5A
OCU-CR200VF5A-PRV

4 HP MT (400VF8)

OCU-CR400VF8
OCU-CR400VF8-PRV

4 HP MT / LT (400VF8A)



OCU-CR400VF8A
OCU-CR400VF8A-PRV

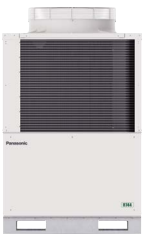
10 HP MT (1000VF8)

OCU-CR1000VF8
OCU-CR1000VF8-PRV

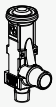
10 HP MT / LT (1000VF8A)

OCU-CR1000VF8A
OCU-CR1000VF8A-PRV

NEW 20 HP MT / LT (2000VF8A)



OCU-CR2000VF8A
OCU-CR2000VF8A-PRV

Accessories		RRP £
 Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V03CWAC0.	KIT-CO2-PANEL-C-03	1,897
Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V05CWAC0.	KIT-CO2-PANEL-C-05	1,897
 Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V09CWAC0.	KIT-CO2-PANEL-C-09	1,897
Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V11CWAC0.	KIT-CO2-PANEL-C-11	1,897
Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V14CWAC0.	KIT-CO2-PANEL-C-14	1,897
Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V18CWAC0.	KIT-CO2-PANEL-C-18	1,897
Panel-C + MPXPRO control, stator, probes, etc + EEV ⅜" (9,52) ODF high pressure, size E2V24CWAC0.	KIT-CO2-PANEL-C-24	1,897
 Service adaptor for vacuum and service (HP and LP port) for all outdoor units*.	SPK-TU125	184
Lubrication Oil PZ-68S (0,5L) for all outdoor units**.	CZ-CO2LBR0L500	109
 Pressure release valve ⅜" (9,52) NPT x G ½" (12,70) Pset= 80,0 bar (PRV for suction line all outdoor units or PRV for liquid receiver only for 400VF8(A) and 1000VF8(A).	PAW-CO2-PRV80	TBC
Pressure release valve (PRV) ⅜" (9,52) NPT x G ½" (12,70) Pset= 120,0 bar (PRV for liquid receiver, only for the 200VF5A).	PAW-CO2-PRV120	TBC

	Sight glass, 130 bar, ¼" (6,35) ODS.	PAW-SIGHT-GLASS-1/4	TBC
	Sight glass, 130 bar, ⅜" (9,52) ODS.	PAW-SIGHT-GLASS-3/8	TBC
	Sight glass, 130 bar, ½" (12,70) ODS.	PAW-SIGHT-GLASS-1/2	TBC
	Sight glass, 130 bar, ⅝" (15,88) - 16 mm ODS.	PAW-SIGHT-GLASS-5/8	TBC
	Sight glass, 130 bar, ¾" (19,05) ODS.	PAW-SIGHT-GLASS-3/4	TBC
	Changeover valve, ⅜" (9,52) NPT x ⅜" (9,52) NPT.	PAW-CO2-CHANGE-O	TBC
	Racord, ⅜" (9,52) NPT x ¾" (19,05) ODS (to connect K65 ¾" (19,05)).	PAW-CO2-RACORD-3/4	TBC

CO_2 service checker		RRP £
	CO_2 service checker for commissioning, maintenance and troubleshooting.	PAW-CO2-CHECKER	541

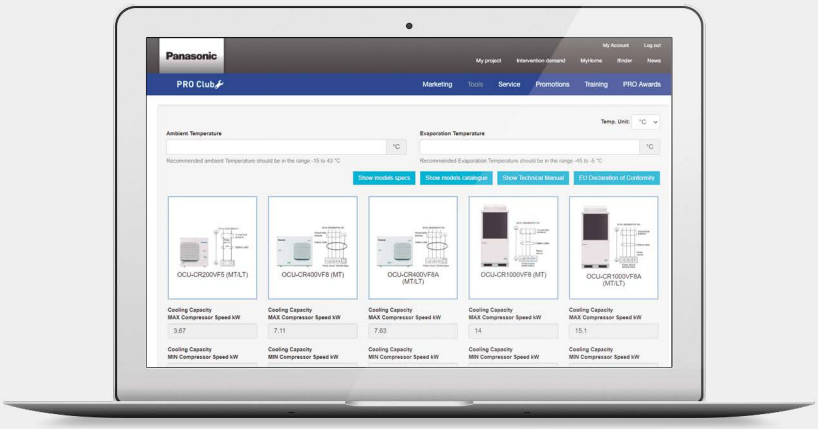
Spare parts for service and maintenance		RRP £
S-008T Suction filter, ¾" (19,05) (outer Ø welding) for 400VF8(A), 1000VF8(A) and 2000VF8A.	80203514138000 [1]	POA
S-008T1 Suction filter, ¾" (19,05) (outer Ø welding) for 400VF8(A), 1000VF8(A) and 2000VF8A.	80203514139000 [2]	POA
D-155T Filter dryer, ⅝" (15,88) (in Ø welding) (type CO-085-S) for 1000VF8(A) and 2000VF8A.	80203513180000 [3]	POA
DCY-P8 165 S Filter dryer, ⅝" (16,10) (in Ø welding) for 1000VF8(A) and 2000VF8A.	80203513187000 [4]	POA
D-152T Filter dryer, ¼" (6,35) (in Ø welding) (type CO-082-S) for 200VF5A and 400VF8(A).	80203513179000 [5]	POA
DCY-P12 092 S Filter dryer, ¼" (6,40) (in Ø welding) for 200VF5A and 400VF8(A).	80203513186000 [6]	POA

*** 2 pcs. are recommended for the 2000VF8A. ** You can find the PZ-68S oil "Safety Sheet" in the SAFETY section of our pipe selection software, available on our PRO Club platform.**

Compatibility relationship: 1) and 2) are compatible; 3) and 4) are compatible; 5) and 6) are compatible.
Stock availability: 1), 3) and 5) until end of stock.

Refrigeration 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 works on all devices, computers, tablets and smartphones!!

CO_2 condensing units - CR Series

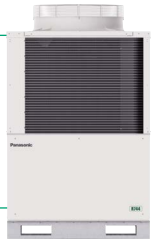


Standard outdoor unit			**OCU-CR200VF5A**		**OCU-CR400VF8**		**OCU-CR400VF8A**	
PRV outdoor units			**OCU-CR200VF5A-PRV**		**OCU-CR400VF8-PRV**		**OCU-CR400VF8A-PRV**	
Type (MT: medium temperature, LT: low temperature)			**MT (4 kW) / LT (2 kW)**		**MT (7,5 kW)**		**MT (8 kW) / LT (4 kW)**	
Power supply	Voltage	V	220/230/240		380/400/415		380/400/415	
	Phase		Single phase		Three phase		Three phase	
	Frequency	Hz	50		50		50	
Cooling capacity at ET -10 °C AT 32 °C		kW	3,70		7,10		7,70	
Cooling capacity at ET -35 °C AT 32 °C		kW	1,80		—		3,80	
SEPR cooling at ET -10 °C AT 32 °C			**3,83**		**2,68**		**2,45**	
SEPR freezing at ET -35 °C AT 32 °C			**1,92**		**—**		**1,56**	
Annual electricity consumption at ET -10 °C AT 32 °C		kWh/a	6797		16337		19302	
Annual electricity consumption at ET -35 °C AT 32 °C		kWh/a	8021		—		30424	
Evaporator connection			Multiple		Multiple		Multiple	
Evaporation temperature	Min ~ Max	°C	-45 ~ -5		-20 ~ -5		-45 ~ -5	
Ambient temperature	Min ~ Max	°C	-20 ~ +43		-20 ~ +45		-20 ~ +45	
Refrigerant			R744		R744		R744	
Design pressure liquid line		Mpa	12		8		8	
Design pressure suction line		Mpa	8		8		8	
User system external alarm. Digital input. Non-voltage contact			Yes		Yes		Yes	
Liquid tube electromagnetic valve		Vac	220/230/240		220/230/240		220/230/240	
Showcase operation ON / OFF signal. Digital input. Non-voltage contact			Yes		Yes		Yes	
Modbus communication line (RS485)		Ports	Yes		Yes		Yes	
Compressor type			2- stage rotary		2- stage rotary		2- stage rotary	
Dimension	H x W x D	mm	930 x 900 x 437		948 x 1143 x 609		948 x 1143 x 609	
Net weight		Kg	70		136		149	
Piping diameter [1]	Suction pipe	Inch (mm)	⅜ (9,52)		½ (12,70)		½ (12,70)	
	Liquid pipe	Inch (mm)	¼ (6,35)		⅜ (9,52)		⅜ (9,52)	
Length of connection piping		m	25		50 [2]		50 [2]	
PED		CAT	I		II		II	
Air flow		m^3/min	54		59		59	
External static pressure		Pa	17		50		50	
Heat recovery port			—		—		Yes	
Standard performance	Ambient temperature	°C	32		32		32	
	Evaporating temperature	°C	-10	-35	-10		-10	-35
	Cooling capacity	kW	3,70	1,80	7,10		7,70	3,80
	Power consumption	kW	1,79	1,65	4,00		4,50	3,80
	Nominal load ampere	A	7,94	7,26	6,14		7,20	6,20
	Sound pressure	dB(A)	35,5 [4]	35,5 [4]	33,0 [5]		36,1 [5]	36,1 [5]
Necessary accessories								
Drier filter liquid line, Ø6,35 mm		**D-152T / DCY-P12**	Yes (included)		Yes (included)		Yes (included)	
Drier filter liquid line, Ø15,88 mm		**D-155T / DCY-P8**	—		—		—	
Suction filter, Ø19,05 mm (outer Ø welding)		**S-008T / S-008T1**	—		Yes (included)		Yes (included)	
Outdoor Unit RRP		**£**	**9,807**		**15,717**		**21,493**	
PRV outdoor unit RRP		**£**	**10,102**		**16,189**		**22,138**	

1) These diameters correspond to the output of the unit. The required diameter must be calculated with Refrigeration designer available on PRO Club. 2) PZ-68S (refrigeration oil) must be added according to Refrigeration designer available on PRO Club. 3) PZ-68S (refrigeration oil) must be added if >50 m. 4) ET-10 °C, 65 S-1, 10 m from product. 5) ET-10 °C, 80 S-1, 10 m from product. 6) ET -10 °C, 60 S-1, 10 m from product.

CO_2 R744 · INVERTER+ · HIGH EFFICIENCY COMPRESSOR · SUPER QUIET · 43 °C AMBIENT TEMPERATURE · ANTI CORROSION COATING · HEAT RECOVERY PORT · AUTOMATIC FAN · 5 YEARS COMPRESSOR WARRANTY · BMS CONNECTIVITY





Standard outdoor unit			OCU-CR1000VF8	OCU-CR1000VF8A	OCU-CR2000VF8A*
PRV outdoor units			**OCU-CR1000VF8-PRV**	**OCU-CR1000VF8A-PRV**	**OCU-CR2000VF8A-PRV**
Type (MT: medium temperature, LT: low temperature)			**MT (15 kW)**	**MT (16 kW) / LT (8 kW)**	**MT (29 kW) / LT (15 kW)**
Power supply	Voltage	V	380/400/415	380/400/415	380/400/415
	Phase		Three phase	Three phase	Three phase
	Frequency	Hz	50	50	50
Cooling capacity at ET -10 °C AT 32 °C		kW	14,00	15,10	28,74
Cooling capacity at ET -35 °C AT 32 °C		kW	—	8,00	14,73
SEPR cooling at ET -10 °C AT 32 °C			**2,62**	**2,86**	**3,10**
SEPR freezing at ET -35 °C AT 32 °C			**—**	**1,49**	**1,64**
Annual electricity consumption at ET -10 °C AT 32 °C		kWh/a	32815	32409	57076
Annual electricity consumption at ET -35 °C AT 32 °C		kWh/a	—	39985	66760
Evaporator connection			Multiple	Multiple	Multiple
Evaporation temperature	Min ~ Max	°C	-20 ~ -5	-45 ~ -5	-45 ~ -5
Ambient temperature	Min ~ Max	°C	-20 ~ +43	-20 ~ +43	-20 ~ +45
Refrigerant			R744	R744	R744
Design pressure liquid line		Mpa	8	8	8
Design pressure suction line		Mpa	8	8	8
User system external alarm. Digital input. Non-voltage contact			Yes	Yes	Yes
Liquid tube electromagnetic valve		Vac	220/230/240	220/230/240	—
Showcase operation ON / OFF signal. Digital input. Non-voltage contact			Yes	Yes	Yes
Modbus communication line (RS485)		Ports	Yes	Yes	Yes
Compressor type			2- stage rotary	2- stage rotary	2- stage rotary
Dimension	H x W x D	mm	1941 x 890 x 890	1941 x 890 x 890	1941 x 1190 x 890
Net weight		Kg	293	320	TBC
Piping diameter [1]	Suction pipe	Inch (mm)	¾ (19,05)	¾ (19,05)	1 (25,40)
	Liquid pipe	Inch (mm)	⅝ (15,88)	⅝ (15,88)	¾ (19,05)
Length of connection piping		m	100 [3]	100 [3]	100 [3]
PED		CAT	II	II	II
Air flow		m³/min	220	220	220
External static pressure		Pa	58	58	58
Heat recovery port			—	Yes	Yes
Standard performance	Ambient temperature	°C	32	32	32
	Evaporating temperature	°C	-10	-10 / -35	-10 / -35
	Cooling capacity	kW	14,00	15,10 / 8,00	28,74 / 14,73
	Power consumption	kW	8,20	8,20 / 7,57	15,67 / 13,45
	Nominal load ampere	A	12,60	12,60 / 11,60	24,31 / 20,49
	Sound pressure	dB(A)	36,0 [6]	36,0 [6] / 36,0 [6]	TBC / TBC
Necessary accessories					
Drier filter liquid line, Ø6,35 mm		**D-152T / DCY-P12**	—	—	—
Drier filter liquid line, Ø15,88 mm		**D-155T / DCY-P8**	Yes (included)	Yes (included)	Yes (included)
Suction filter, Ø19,05 mm (outer Ø welding)		**S-008T / S-008T1**	Yes (included)	Yes (included)	Yes (included)
Outdoor Unit RRP		**£**	**25,200**	**28,478**	**48,412**
PRV outdoor unit RRP		**£**	**25,955**	**29,333**	**49,865**

Tentative data

1) These diameters correspond to the output of the unit. The required diameter must be calculated with Refrigeration designer available on PRO Club. 2) PZ-68S (refrigeration oil) must be added according to Refrigeration designer available on PRO Club. 3) PZ-68S (refrigeration oil) must be added if >50 m. 4) ET-10 °C, 65 S-1, 10 m from product. 5) ET-10 °C, 80 S-1, 10 m from product. 6) ET -10 °C, 60 S-1, 10 m from product.
* Available in Summer 2024. Tentative data.

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	—	—

4 & 5 series indoor units: Above is a table showing the current Panasonic equivalent for each Sanyo indoor model. Indoor units can be added or replaced without any setting changes.
Please note there have been design changes therefore dimensions and appearances will not be the same. Please check in technical manual.
3 series indoor units: When using a current Panasonic R410A outdoor and mixing the current Panasonic indoors with 3 series Sanyo indoor units on the same system, you will need to access the detailed settings to change code 15 to 0029 on the Sanyo indoor units.

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-KC16KAGB	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 you usual sales representative before proceeding with Sanyo replacement for up to date advise.

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
—	—	—	—	—	—
—	—	—	—	—	—
—	—	—	—	—	—

To amend the setting you will need a standard controller CZ-RTC4 or CZ-RTC5 and a maintenance cable PAW-MRC which allows you to plug the controller on the outdoor PCB.
Once connected follow the procedure below to change the code.

Please contact Panasonic Technical Department before proceeding.

Additional Accessories			RRP £
	10 metre flow box extension lead.	PAW-UK-FLOW-EXT10	49
	25 metre flow box extension lead.	PAW-UK-FLOW-EXT25	67
	Pre-heater kit for model 250 - 350.	PAW-UK-HEATER-KIT1	589
	Pre-heater kit for model 500.	PAW-UK-HEATER-KIT2	641
	Pre-heater kit for model 800 - 1000.	PAW-UK-HEATER-KIT3	641
	PACi unit fan interface including relay.	PAW-UK-SMF1	50
	RAC unit return air sensor extension.	PAW-UK-RACSENSOR	29
	Leak detector - curved white - 2 relay.	PAW-UK-LD-RD-CW2	239
	Leak detector - stainless steel - 2 relay.	PAW-UK-LD-RD-SS2	248
	Leak detector - white - 2 relay.	PAW-UK-LD-RD-W2	228
	Single leak detector power supply.	PAW-UK-RD-em-PS2	67
	4 way leak detector power supply.	PAW-UK-RD-em-PS4	216
	Plastic flushmount 47 mm back box for leak detector (rd-em).	PAW-UK-PC3RDEM-FMBB	3
	IMEC - rad 32 channel leak detector monitoring unit.	PAW-UK-IMEC-RAD32	2,081
	IMEC - rad 64 channel leak detector monitoring unit.	PAW-UK-IMEC-RAD64	3,364
	Test kit case + ancillary equipment.	PAW-UK-LD-Test-Kit	451
	Test gas (10,000 ppm R410A in air).	PAW-UK-LD-Test-Gas	423
	Outlet plenum - S-3650PF3E & MF3 indoor sizes 15, 22, 28, 36 & 50.	PAW-UK-NXPF-2DUCT	66
	Inlet plenum - S-3650PF3E & MF3 indoor sizes 15, 22, 28, 36 & 50.	PAW-UK-NXPF-2DUCTRETURN	150
	Outlet plenum - S-6071PF3E & MF3 indoor sizes 60, 73, & 90.	PAW-UK-NXPF-3DUCT	89
	Inlet plenum - S-6071PF3E & MF3 indoor sizes 60, 73, & 90.	PAW-UK-NXPF-3DUCTRETURN	164
	Outlet plenum - S-1014PF3E & MF3 indoor sizes 106, 140, & 160.	PAW-UK-NXPF-4DUCT	110
	Inlet plenum - S-1014PF3E & MF3 indoor sizes 106, 140, & 160.	PAW-UK-NXPF-4DUCTRETURN	212
	5 Amp fuse for non NX units.	PAW-UK-PACi-5A	6
	10 Amp fuse for non NX units (high static ducted).	PAW-UK-PACi-10A	6
	Power supply for Intesis.	PAW-UK-INT-PWR	21
	Power supply for Smart Cloud router.	PAW-UK-SMCL-PWR	25
	Back box for heat recovery unit remote controller.	PAW-UK-HRV-RC-BOX	14

AIRZONE

Airzone Accessories			RRP £
	Airzone blueface zero thermostat white 8Z (CE6).	PAW-UK-AZCE6BLUEZEROCB	250
	Airzone blueface zero thermostat wired black 8Z (CE6).	PAW-UK-AZCE6BLUEZEROCN	250
	Airzone flexa 3.0 Main board 6Z.	PAW-UK-AZCE6FLEXA3	344
	Airzone lite thermostat wired (white).	PAW-UK-AZCE6LITECB	173
	Airzone lite thermostat wired (black).	PAW-UK-AZCE6LITECN	173
	Airzone lite wireless thermostat (white).	PAW-UK-AZCE6LITERB	216
	Airzone lite wireless thermostat (black).	PAW-UK-AZCE6LITERN	216
	Airzone think thermostat wired (white).	PAW-UK-AZCE6THINKCB	164
	Airzone think monochrome wireless thermostat (white).	PAW-UK-AZCE6THINKRB	255
	Airzone think monochrome thermostat wireless (black).	PAW-UK-AZCE6THINKRN	255
	Airzone medium plenum 4x 200 mm spigots.	PAW-UK-AZEZ8PANBS08L4	1,432
	Airzone medium plenum 5x 200 mm spigots.	PAW-UK-AZEZ8PANBS08L5	1,528
	Airzone Easyzone medium discharge plenum 4x 200 mm spigots to suit S-6071PF3 (no fa connection).	PAW-UK-AZEZ8PANBS08M4	1,432
	Airzone Easyzone medium discharge plenum 3x 200 mm spigots to suit S-3650PF3 (no fa connection).	PAW-UK-AZEZ8PANBS08S3	1,343
	Airzone Easyzone standard discharge plenum 4x 200 mm spigots to suit S-3650PF3 (no fa connection).	PAW-UK-AZEZ8PANBS08S4	1,432
	Airzone Easyzone standard discharge plenum 5x 200 mm spigots (fa connection).	PAW-UK-AZEZ8PANST08L5	1,528
	Airzone Easyzone standard discharge plenum 6x 200 mm spigots (fa connection).	PAW-UK-AZEZ8PANST08L6	1,623
	Airzone Easyzone standard discharge plenum 3x 200 mm spigots to suit S-3650PF3 (fa connection).	PAW-UK-AZEZ8PANST08S3	1,343
	Airzone Easyzone standard discharge plenum 4x 200 mm spigots to suit S-3650PF3 (fa connection).	PAW-UK-AZEZ8PANST08S4	1,432
	X6 comun - cable bus Airzone (2x 0,5 + 2x 0,22) 100 m.	PAW-UK-AZX6CABLEBUS100	107
	Airzone shielded bus cable 2x 0.22 + 2x 0.5 (15 m).	PAW-UK-AZX6CABLEBUS15	23
	Airzone 2x 0.75 red-black cable (100 m).	PAW-UK-AZX6CABLERN100	107
	Airzone Panasonic controller gateway.	PAW-UK-AZX6GTCPAN	282
	Webserver Airzone cloud Wi-Fi.	PAW-UK-AZX6WSC5GER	235
	Webserver airzone cloud Wi-Fi & ethernet.	PAW-UK-AZX6WSPHUB	282
	Units with 1 fan stripdown.	SVC-VRF-SD1	3,450
	Units with 2 fans stripdown.	SVC-VRF-SD2	3,450
	PACi units stripdown.	SVC-PAC-SD	3,450

Warranty terms and conditions

Please speak to us about on site training courses.

The Standard warranty

3 years parts and labour (A2W exc. Labour).

· The unit should be installed by a competent person
· The installation instructions supplied with the unit must be followed
· Annual maintenance records must be kept

The Extended warranty

5 years parts and labour.

· The unit should be installed by a competent person
· The installation instructions supplied with the unit must be followed
· Annual maintenance records must be kept
· The installer must have completed the relevant Panasonic training
· The installer must register the unit on PRO Club (VRF and A2W units require additional commissioning documentation uploading onto PRO Club)

The Extended+ warranty

7 years parts and labour.

· The unit should be installed by a competent person
· The installation instructions supplied with the unit must be followed
· Annual maintenance records must be kept
· The installer must be a current PRO Partner or Elite PRO Partner and must have completed the relevant Panasonic training
· The Installer must register the unit on PRO Club (VRF and A2W units require additional commissioning documentation uploading onto PRO Club
· A2W units must be installed with a CZ-TAW1C adapter

* CZ-TAW1B Installation is mandatory on all Air to Water installations for 7 year warranty to be granted. For retrofit installations, the CZ-TAW1B must be installed and the smart cloud service activated. For new build installations, smart cloud activation is not mandatory for the 7 year warranty to be granted.

Where do I register my unit for warranty?

Warranty registration can be completed through the PRO Club platform, or for PRO Partners via the 24 hour support centre via e-mail: propartner.uk@eu.panasonic.com or phone 01189 287 569.

Spare parts ordering - in warranty requests.

· Ring the air to water technical service support line on: 01707 378670 to diagnose the issue and receive a warranty request code
· Receive and complete the in warranty spare parts form as provided by the technical team
· Complete and return the form to the following inbox: uk-aircon-service@eu.panasonic.com
· The spare part request is processed and the item(s) distributed

Our commitment to quality extends far beyond our products, which is why we have developed a partner scheme designed to support installers who love our solutions as much as we do.

To find out more about how you can become a Panasonic PRO Partner and have accesses to a complete range of benefits including extended warranty, business support and reward points, click on the link below:
www.aircon.panasonic.eu/GB_en/propartner

Panasonic PRO Partner scheme

Scheme overview

Designed to support the business development of installers who continually choose the quality and innovation of our professional and residential solutions, the Panasonic PRO Partner scheme offers an extensive range of rewards, from extended warranties to business support of up to £800. Our commitment to quality extends far beyond our products, which is why we have developed a partner scheme designed to support installers who value our solutions.

The scheme is divided into two exclusive tiers, each offering a unique set of rewards to installers that trust the quality and reliability of Panasonic Heating & Cooling Solutions.

PRO

1.2%

Points Earned

PARTNERS

To be eligible for PRO Partner status, installers must be committed to selling Panasonic products and must complete Panasonic face-to-face training based in one of our UK training centres.

· Extended warranty of up to 7 years, subject to conditions
· Reward points that can be exchanged for electronic goods, tools, clothing, merchandise and more
· Increased business visibility through our installer finder network, listed as a PRO Partner
· Business support fund

PRO Partners

ELITE

1.4%

Points Earned

PRO PARTNER

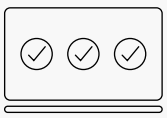
To become an Elite PRO Partner, installers must be true advocates of Panasonic Heating & Cooling Solutions, this includes completion of our face-to-face training courses in one of our UK training centres.

· Extended warranty up to 7 years, subject to conditions
· Enhanced reward points that can be exchanged for electronic goods, tools, clothing, merchandise and more
· Increased business visibility and boosted sales through our installer finder network listed as an Elite PRO Partner
· Enhanced Business support fund

Elite PRO Partners

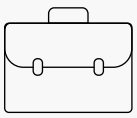
Benefits

The PRO Partner scheme offers a myriad of benefits to enhance business opportunities for ambitious installers that are passionate about our products.



Increased visibility on PRO Club.
The unique i-Finder feature available with our PRO Partner membership helps to provide online exposure for installers on our network of worldclass heating and cooling industry professionals.

PRO Partner rewards portal.
With each of our exclusive PRO Partner tiers, members can earn points on their installations which can be exchanged for Panasonic branded merchandise, clothing and more*.



Business support fund.
To support installers, and businesses, we offer PRO and Elite PRO Partners an incredible business support package. This is designed to further the growth and success of installers' businesses with personalised sales literature, industry memberships, training courses and beyond.

24hr business support centre

As part of our commitment to support our installers with the PRO Partner scheme, we aim to ensure that the administration is as easy as possible for our installers. Find support with your commissioning forms, warranty registrations and general PRO Partner queries through our dedicated support centre.

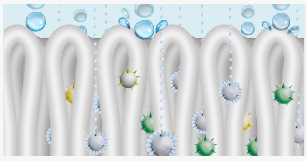
*To begin earning points for installations, members of the PRO Partner Scheme must register their Panasonic unit on our PRO Club platform to begin earning points and subsequent Panasonic rewards.

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.

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.

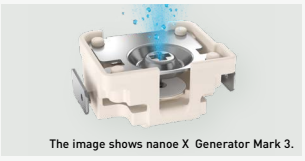
Longer lifespan.

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.

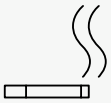


4 | No service and maintenance required. nanoe™ X is a filter free solution that does not require maintenance, as its atomisation electrode is enveloped with water during its generation process and it is made with Titatium.

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

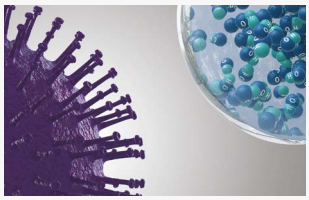
Hazardous substances

Moisturises

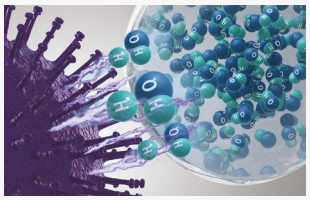
Skin and hair

nanoe™ X technology takes this a step further and brings nature's detergent – hydroxyl radicals – indoors to help create an ideal environment

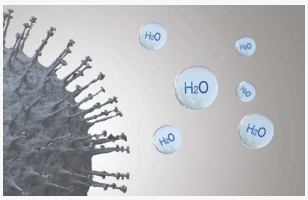
Thanks to the nanoe™ X properties, several types of pollutants can be inhibited such as certain types of bacteria, viruses, mould, allergens, pollen and certain hazardous substances.



1 | nanoe™ X reliably reaches pollutants.



2 | Hydroxyl radicals denature pollutants' proteins.

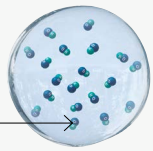


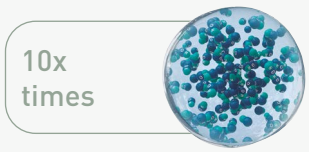
3 | Pollutants activity is inhibited.

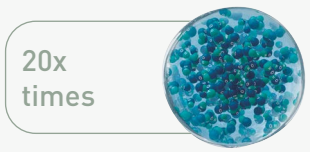
First nanoe™ device was developed by Panasonic in 2003

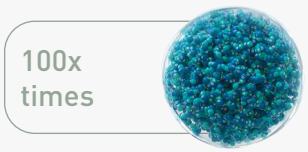
Generator: nanoe™	Generator: nanoe™ X		
2003	**Mark 1** - 2016	**Mark 2** - 2019	**Mark 3** - 2022
480 billion hydroxyl radicals/sec	4,8 trillion hydroxyl radicals/sec	9,6 trillion hydroxyl radicals/sec	48 trillion hydroxyl radicals/sec

Ion particle structure







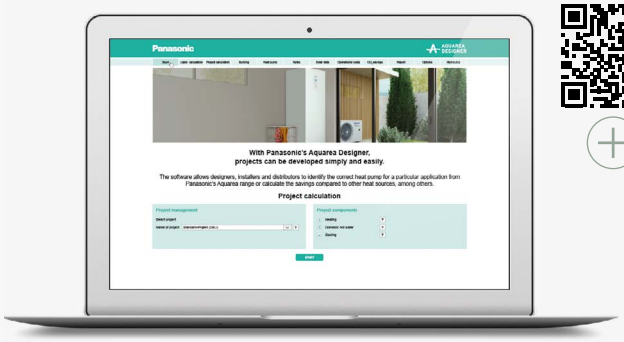


PRO Club. The professional website of Panasonic

Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets.

Aquarea Designer - online tool

With Panasonic's online tool, projects can be developed simply and easily. The developed tool is optimised to help professionals easily identify the most appropriate Aquarea air to water heat pump for a particular application.

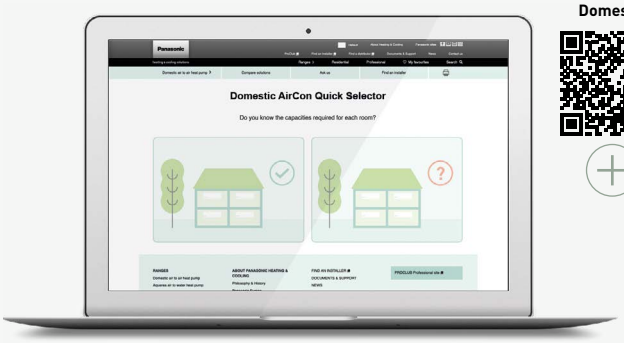


Quick Selector

This easy-to-use online tool for our range of domestic heat pumps allows you to select the most suitable solution for the needs of each project in just a few clicks.

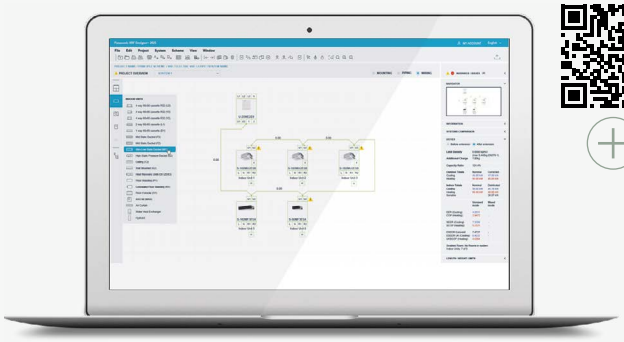
Aquarea

Domestic



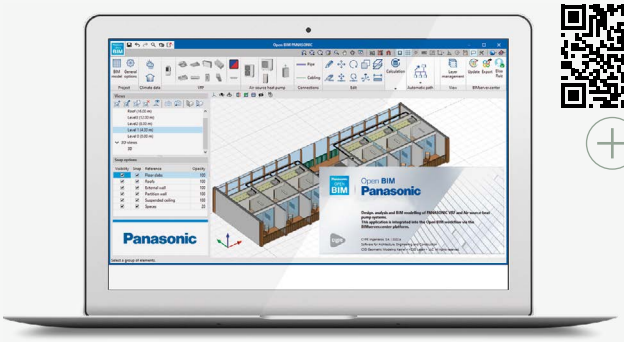
Panasonic DX PRO Designer

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.



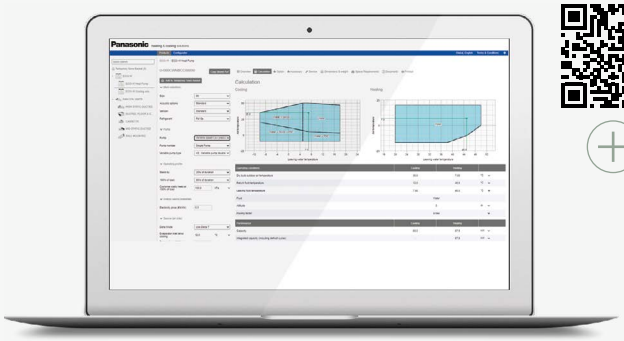
Open BIM

Design, analysis and BIM modeling of Panasonic VRF and Air to Water heat pump systems. Generates documents, 3D model, schematics and drawings. This application is integrated into the Open BIM workflow via the BIMserver.center platform.



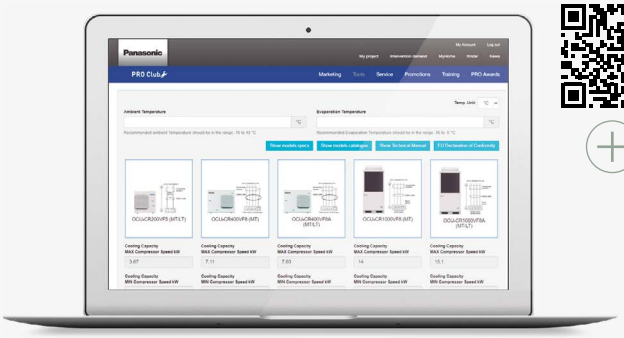
AC SELECT

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.



Refrigeration designer

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



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**.

Maintenance.
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.

Repair.
Panasonic offers a wide range of service agreements, like Panasonic Service+ for a maximized 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.

Warranty.
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

www.aircon.panasonic.eu

heating & cooling solutions

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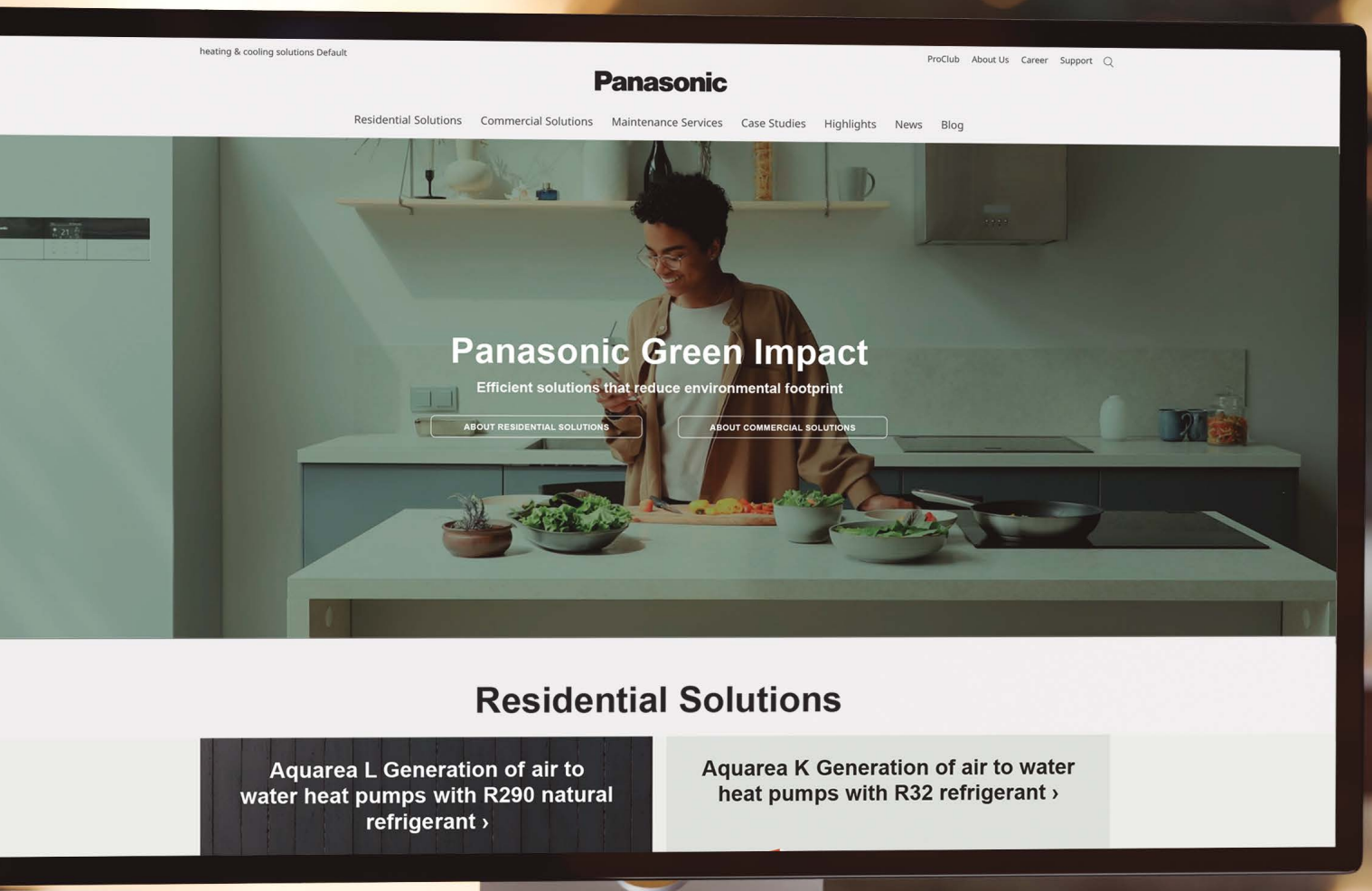

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Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the damage and deterioration in safety due to usage of the other refrigerant.
The outdoor units in this catalogue contains fluorinated greenhouse gases with a GWP higher than 150.

EU-PLST1223/01