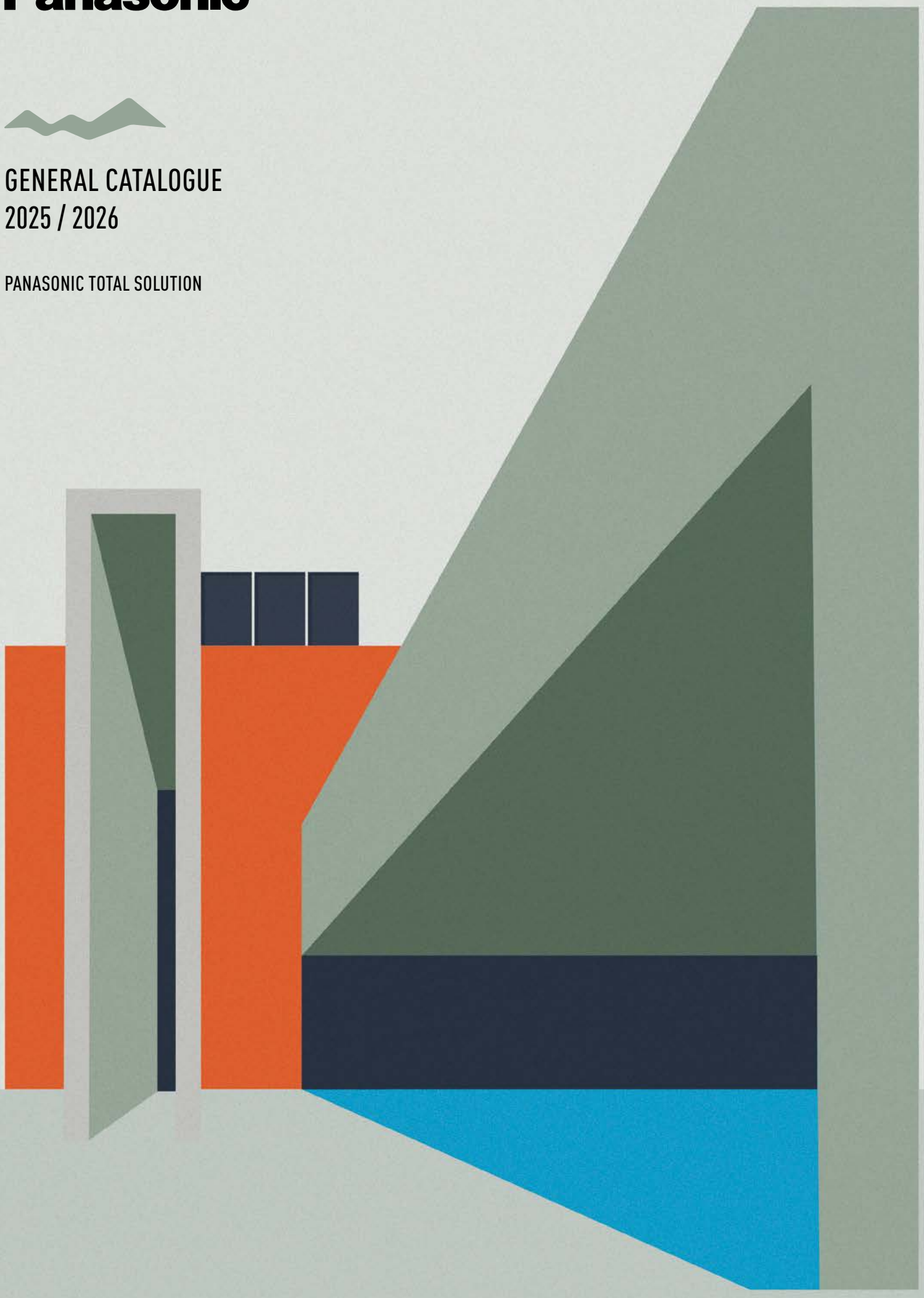
Panasonic

GENERAL CATALOGUE
2025 / 2026

PANASONIC TOTAL SOLUTION



heating & cooling solutions

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.

AQUAREA

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

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

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

DOMESTIC

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

Power Heat multi, the multi split system engineered for cold climates.

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

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.

Jet Air Stream.

The new PACi NX indoor units designed for large spaces that require high air distribution, such as gymnasiums, production areas, and warehouses. They ensure optimal user comfort, a quiet environment, and are much easier to install than other systems.

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.

New ECOi EX MZ1 Series R32.

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

VENTILATION

Panasonic ventilation solutions for maximum savings and easy integration.

Energy recovery ventilation.

Panasonic energy recovery ventilations (ERV) help to improve your comfort and energy-saving plan.
Introducing the ERV with DX coil - HRPT Series, specifically designed for commercial applications or collective residential buildings, offering highly efficient heat recovery.

CONTROL AND CONNECTIVITY

From the individual remote controller for the residential single units up to the newest technology capable of controlling your building anywhere in the world.

Panasonic AC Smart Cloud.

Panasonic AC Smart Cloud provides building mapping, remote monitoring, error notification and schedule setting for site managers.
Panasonic AC Service Cloud help maintenance companies to manage multiple sites with remote checking and advance failure prediction functions.

CHILLERS AND HEAT PUMPS, AND WATER SOURCE HEAT PUMPS

Panasonic solutions to 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.

FAN COIL UNITS

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

New fan coil wall.

The new fan coil wall with modern, stylish design comes with the nanoe™ X technology (Generator Mark 3) for improved indoor air quality.
It is ideal for both residential and commercial applications.

ROOFTOPS

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

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.

REFRIGERATION

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

CR Series 20 HP MT/LT model.

The CR Series now includes a 20 HP medium/low temperature model, a highly efficient multi-compressor solution.
The smaller footprint of the unit and the maximum piping length of 100 m allow for flexible installation in light refrigeration projects.

DIMENSIONS

WIRING DIAGRAMS

CE

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 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.

Energy used < Energy created

One initiative in the Panasonic environmental vision 2050 is offering products with greater energy efficiency. In 2018, we celebrated the 60th anniversary of our Heating & Cooling Solutions business. Our expertise gained over the years has helped us launch a range of products that contribute to a more carbon-free society.

Current status of energy used and energy created

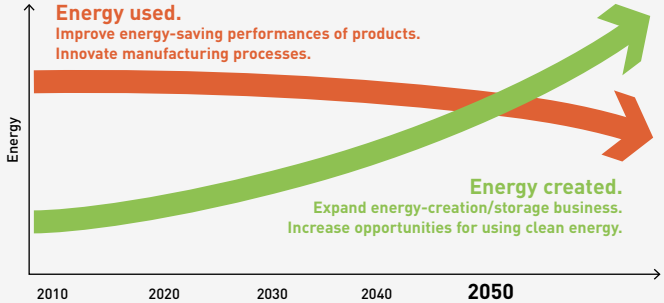
Energy used by Panasonic business activities and products.

10 Energy used

Clean energy created and / or made available by Panasonic products, etc.

1 Energy created

Working to realise environmental vision 2050



Heating and cooling solution with R290 natural refrigerant

Following Panasonic's Environmental Vision 2050, Panasonic presents an advanced, high-energy-saving heating and cooling solution utilising the natural refrigerant R290 with a low GWP of 0,02. These solutions not only minimise environmental impact but also enhance energy efficiency and comfort in heating and cooling.

Aquarea M and L Series (5 - 300 kW*).

ECOi-W AQUA-G BLUE (50 – 640 kW*).

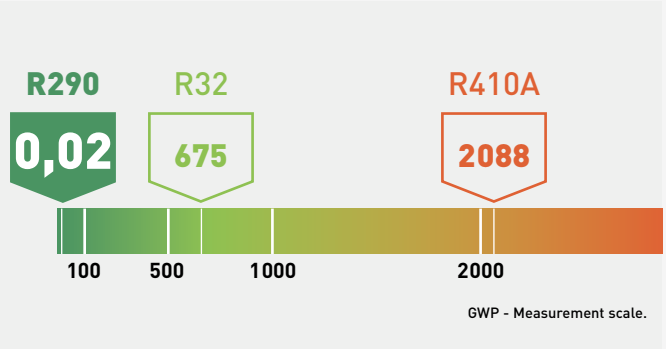
The R290 refrigerant technology has been integrated across a wide range of heating and cooling solutions, meeting both residential and commercial needs. These solutions are available in capacities from 5 to 640 kW*.

* Cascade control required.

Contributing to the decarbonisation of society.

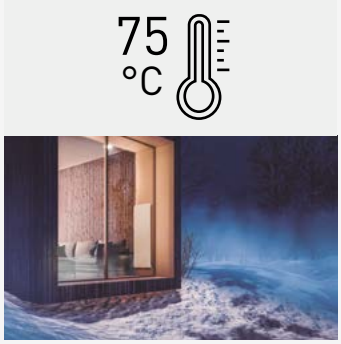
Natural refrigerant R290 has low Global Warming Potential (GWP) of just 0,02* (R32:675 and R410A: 2088), helping reduce CO_2 emissions and environmental impact. It's a green alternative solution for any residential and commercial projects and delivers outstanding performance, aligning with Panasonic vision of a carbon-free society and our GREEN IMPACT plan.

* GWP 0,02 (AR6). Based on the Sixth Assessment Report adopted by the Intergovernmental Panel on Climate Change (IPCC).

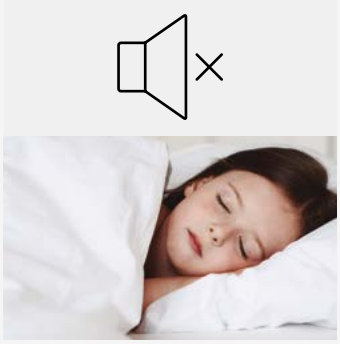


Industry leading Panasonic technology with natural refrigerant R290.

Panasonic's heating and cooling solution with R290 natural refrigerant, is not only a 'green solution' but also delivers outstanding performance to meet the demands of the most challenging projects. An ideal solution with high performance and quality, coupled with minimized environmental impact, making it a worthwhile investment for the future.



High water outlet temperature up to 75 °C.



Quiet operation.

High quality, made in Europe.

Range from 5 to 80 kW, boost capacity up to 640 kW with a cascade control.

* The specification varies depending on the series. Please check the detailed information on each product page.

Case studies

Panasonic, your partner with the knowledge and experience to realize your projects, both at the national and international levels, implementing them on time and within budget. Solutions that not only cut costs but are also efficient, environmentally friendly, user-friendly, reliable, and innovative.

Arctic Treehouse Hotel.
Rovaniemi, Lapland, Finland.
Power Heat Multi.

The multi system for extremely cold weather is installed in the cosy Arctic Glasshouse to ensure comfort and air quality in the lounge and 2 bedrooms of the cabin on the coldest days.

Single family house.
Höllviken, Sweden.
Aquarea with natural refrigerant R290.

Aquarea L Series with R290 replaced an old heating system, providing comfort in cold weather and reducing energy costs. Being connected to the Aquarea Service Cloud, the heat pump can be monitored remotely by a service company.

Public school.
Białystok, Poland.
ECOi-W AQUA-G BLUE.

Panasonic ECOi-W series air cooled heat pumps 80 kW with sustainable R290 refrigerant were installed in a cascade system at an elementary school to provide energy-efficient heating.

Weinbuch Butcher's Shop.
Shop - Restaurant.
Öpfingen. Germany.
VRF, Domestic and Refrigeration.

The entire meat production cold rooms are equipped with Panasonic CO_2 condensing units, and ECOi EX systems for cooling and a part of the heating for areas such as the Bistro, production facility, and Drive-in stations.

As a global company, Panasonic offers European coverage for support, providing financial, logistical, and technical resources to develop comprehensive and wide-ranging solutions at both national and international levels. This ensures timely and budget-conscious implementation.

Belfast Grand Opera House.
Public building.
Belfast, United Kingdom.
PACi, VRF and Control.

Varna Wave Building.
Residential building.
Varna, Bulgaria.
Aquarea and Aquarea Smart Cloud.

Passivhouse in Miño.
Residential passive house.
Miño, Spain.
Aquarea.

Flumen Plus.
Residential passive house building.
Zaragoza, Spain.
PACi.

Hotel Moxy Oriente.
Hotel.
Lisboa, Portugal.
PACi, VRF and Control.

Gutenfels.
Hotel.
Kaub, Germany.
Aquarea and Aquarea Smart Cloud.

Maison Tirel Guerin.
Hotel- Restaurant.
Saint Méloir-des-Ondes, France.
Mini ECOi.

Crosslight House.
Residential building.
Mulazzano, Italy.
PACi and nanoe™ X.

Gurewicz Spa Resort.
Hotel- Restaurant - Spa.
Otwock, Poland.
PACi, VRF and Control.

Nobelhorst.
Residential building.
Almere, Nederland.
Aquarea.

Amandiers.
Sports complex.
Carrierre sur Seine, France.
ECOi-W.

Hungarian Cédrus Liget. A complex facility including apartments, offices and commercial units.
Szeged, Hungary.
ECOi-W, ECOi and ERV.

Stemcell Technologies.
Global biotechnology company.
Saint-Egrève, France.
Refrigeration.

South Lodge.
Luxury 5 star Hotel and Spa.
West Sussex, United Kingdom.
PACi, Control and nanoe™ X.

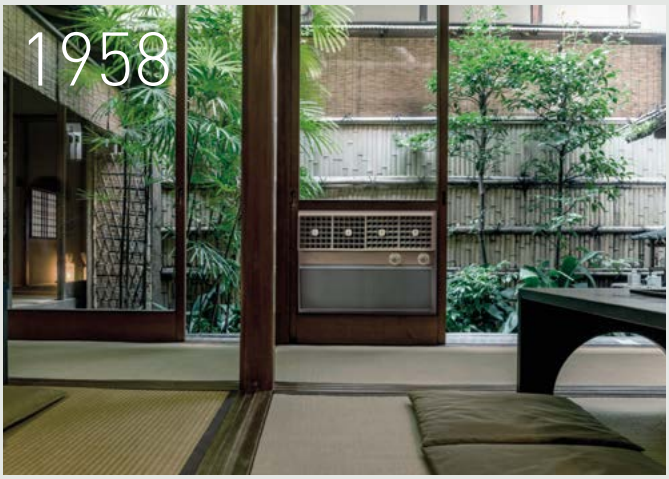
Pervalkos Jūra.
Residential.
Pervalka, Lithuania.
Aquarea.

Thon Hotel Harstad.
Hotel.
Harstad, Norway.
PACi, VRF and Refrigeration.

A desire to create things of value

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

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



1958
First room air conditioner launched for domestic installation.

1971
Starts production of absorption chillers.

1975
Panasonic becomes one of the first Japanese air conditioner manufacturers in Europe.

1982
Panasonic launches the first highly efficient air to water heat pump in Japan.

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

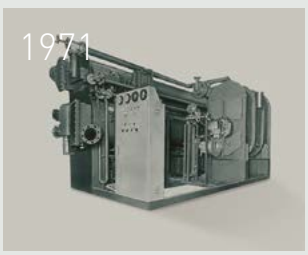
1989
Introduces world's first simultaneous 3-Pipe heating / cooling VRF System.

2008
World's first air conditioner equipped with nanoe™.

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

2012
New Panasonic GHP units. The gas-driven VRF Systems are ideal for projects where power restrictions apply.

2015
CO_2 condensing units in Europe. The ideal solution for supermarkets, shops and gas stations.



Vitalize the future with air

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

At Panasonic, we're utilizing the power of air to create positive change.
Air that benefits body and mind.
Air that energizes the places where people gather to work and play.
Air that reduces our burden on the Earth.
With more than a century of research and expertise to guide us, we're using air to open a more hopeful and vital future for all.

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

2018
The first Hybrid System with VRF and GHP in Europe.
—
Opening heat pump production line in Czech Republic, Europe.

2019
Panasonic introduces a new Chiller Series which is named as ECOi-W.

2020
nanoe™ X, technology with the benefits of hydroxyl radicals. Improving protection 24/7. Built-in nanoe™ X technology expanded to commercial solutions.

2021
Mini VRF R32 up to 10 HP. Outstanding efficiency in a compact body.
—
A2W maintenance.

2022
ECOi-W R32, the new range of sustainable chiller solutions to suit a variety of commercial and industrial applications.

2023
Aquarea Heat Pumps with natural refrigerant R290.
—
New European factories for hydronics products.

2024
ECOi-W AQUA-G BLUE. Air to water reversible heat pumps. Powered by R290, a natural refrigerant.
—
Collaboration with key partners.

2025
Aquarea Heat Pumps + tado°, the integrated solution for maximum energy savings and comfort.

Looking ahead

Panasonic HVAC&R solution map

HYDRONIC

AQUAREA. Air to water heat pumps.

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

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

MULTI-FAMILY HOUSES

SINGLE HOUSES

LIGHT COMMERCIAL

DIRECT EXPANSION

2 kW - 7,1 kW

ETHEREA & More. Domestic air to air heat pumps.

Peripherals: Wi-Fi control and connectivity.

2,5 kW - 25 kW

PACi NX. Light commercial air to air heat pumps.

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

VENTILATION

90 m³/h - 455 m³/h

Residential ventilation.

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

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

HYDRONIC

ECOi-W. Commercial chiller & heat pump.

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

20 kW - 1550 kW

COMMERCIAL / INDUSTRIAL

TECNAIR*. Close Control.

10 kW - 500 kW

DATA CENTER

40 kW - 210 kW

ECOi-RT. Commercial Rooftop.

4 HP - 80 HP

ECOi, ECO G. Commercial VRF.

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

DIRECT EXPANSION

REFRIGERATION

2 HP - 20 HP

CR Series. Light commercial refrigeration.

VENTILATION

150 m³/h - 2000 m³/h

Commercial ventilation.

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

* Availability varies by country.

Bringing nature's balance indoors

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

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

nanoe 100 MILLION UNITS

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

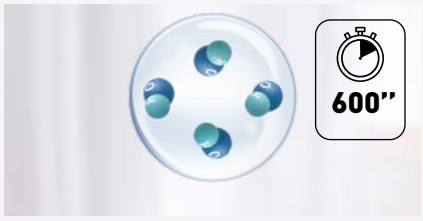
* From July 2024, the results apply to all other products with nanoe™ X devices, including heating and cooling.

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.

A naturally occurring process

Hydroxyl radicals are unstable molecules looking to react with other elements like hydrogen, capturing it. Thanks to this reaction, hydroxyl radicals have the potential to inhibit the growth of pollutants such as bacteria, viruses, moulds, and odours, breaking them down and neutralising the unpleasant effects. This naturally occurring process has major benefits to improve indoor environments.

Hydroxyl radicals in nature.

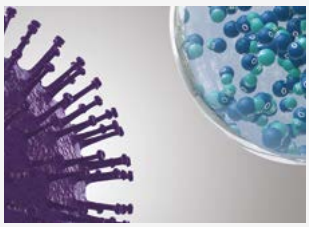


Hydroxyl radicals contained in water.

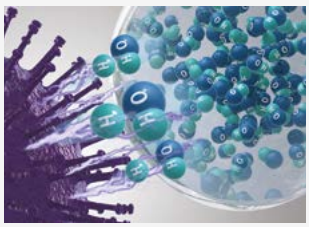
By creating hydroxyl radicals contained in water, nanoe™ X technology significantly boosts their effectiveness, increasing hydroxyl radicals lifetime from less than a second in nature, to more than 600 seconds – 10 minutes so that nanoe™ X can spread easily around the room.

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.

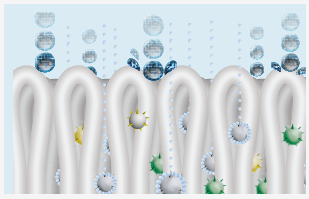
3 | Pollutants activity is inhibited.

The well-being benefits of nature are well known – but do you know the power of hydroxyl radicals?

What is unique about nanoe™ X?

Hydroxyl radicals inhibit pollutants, certain types of viruses, and bacteria to clean and deodorise. Thanks to this advanced technology, even tightly woven fabrics can be treated using this solution, meaning that curtains, blinds, carpets and furniture can all benefit from this technology to inhibit hazardous substances – including on hard surfaces and, of course, the air that we breathe.

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.

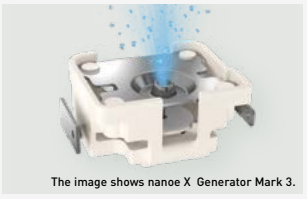
Longer lifespan.

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.

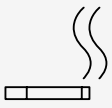


The image shows nanoe X Generator Mark 3.

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

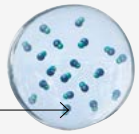
Skin and hair

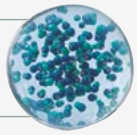
* Refer to https://aircon.panasonic.eu for more details and validation data.

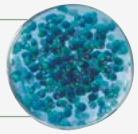
First nanoe™ device was developed by Panasonic in 2003

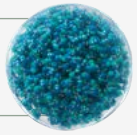
Introducing nanoe X Generator Mark 3, the latest of the continuously evolving nanoe™ X technology, it has the largest amount of hydroxyl radical in the history of nanoe™ (48 trillion hydroxyl radical per second, 100 times the traditional nanoe™). The increased number of hydroxyl radical, which are the key to nanoe™ effectiveness, means you can expect an even higher level of performance.

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









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.

Panasonic heat pump with nanoe™ X technology verified against SARS-CoV-2

Virus SARS-CoV-2: 91,4% inhibited. Test conducted by TEXCELL (France), using a gauze saturated with SARS-CoV-2 virus solution exposed to Panasonic heat pump with nanoe™ X in a space of 6,7 m³ over 8 hours. Test report: 1140-01 C3. 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	99,2% inhibited	Approx. 25 m³	6 h	Kitasato Research Center for Environmental Science	24_0300_1
	Bacteria	Staphylococcus aureus	Mark 1	99,7% inhibited	Approx. 25 m³	4 h	Kitasato Research Center for Environmental Science	24_0301_1
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
		Bacteriophage	**Mark 3**	98,81% inhibited	Approx. 139,3 m³	4 h	SGS Inc	SHES210901902584
		MS2 Phage Virus	**Mark 3**	99,99% inhibited	Approx. 25 m³	2 h	Shokukanken, Inc.	227131N
	Bacteria	Staphylococcus aureus	Mark 1	99,9% inhibited	20 m³	8 h	Danish Technological Institute	868988
	Pollen	Cedar pollen	**Mark 3**	99%inhibited	Approx. 24 m³	12 h	Panasonic Product Analysis Center	H21YA017-1
		Ambrosia pollen	Mark 1	99,4% inhibited	20 m³	8 h	Danish Technological Institute	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
			Mark 3	Odour intensity reduced 1,7 levels	Approx. 139,3 m³	0,5 h	SGS Inc	SHES210901902478

Licensed in VDI 6022

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

VDI 6022 – Part 5 [1] Certification.

Avoidance of allergenic exposure.

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

VDI 6022 – Part 1 [1] & 1.1 [2] Certification.

Ventilation and indoor-air quality.

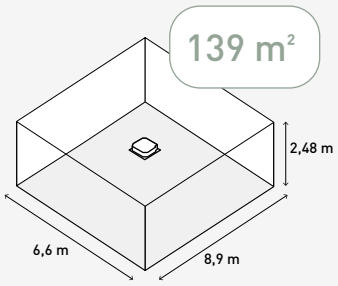
Panasonic nanoe™ X technology improving indoor air quality.

1) Certification mark only valid for nanoe X Generator Mark 3. 2) Certification mark only valid for nanoe X Generator Mark 2 and Mark 3.

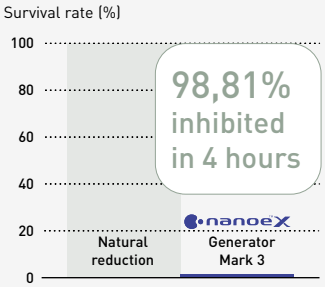
Effectiveness in large space with Generator Mark 3

Inhibits virus.
An air conditioner equipped with nanoe X Generator Mark 3 inhibits activity of adhered virus (Bacteriophage) by 98,81% in 4 hours [1].

Test ambient.

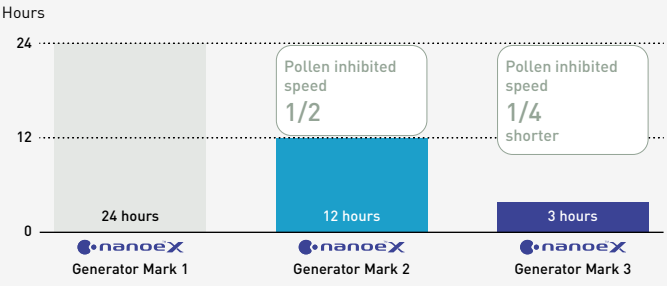


Test result (bacteriophage).



Inhibits pollen.
The result of nanoe X Generator Mark 3.
Inhibits pollen in 1/4 the time of nanoe X Generator Mark 2 [2].

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



1) Testing organisation: SGS Inc / Test subject: Adhered Bacteriophage / Test volume: Approx. 139 m³ large space (6,6 x 8,9 x 2,48 m). Test result: Inhibited 98,81% in 4 hours. Test repot no.: SHES210901902583. 2) Effect after 3 hours in a test space of approx. 24 m³. The figures are not the results of testing in an actual operating space. 3) **nanoe X Generator Mark 1:** [Testing organisation] Panasonic Product Analysis Center [Test method] ELISA method of measuring allergens adhering to fabric in a test room (approx. 24 m³) [Method of inhibition] Release of nanoe™ [Target] Adhered allergen (cedar pollen) [Test Result] Inhibition of 99% or more in 24 hours (4AA33-151001-F01). **nanoe X Generator Mark 2:** [Testing organisation] Panasonic Product Analysis Center, [Test method] ELISA method of measuring allergens adhering to fabric in a test room (approx. 24 m³) [Method of inhibition] Release of nanoe™ [Target] Adhered allergen (cedar pollen) [Test Result] Inhibition of 99% or more in 12 hours confirmed (L19YA009).
nanoe X Generator Mark 3: [Testing organisation] Panasonic Product Analysis Center [Test method] ELISA method of measuring allergens adhering to fabric in a test room (approx. 24 m³) [Method of inhibition] Release of nanoe™ [Target] Adhered allergen (cedar pollen) [Test Result] Inhibition of 99% or more in 3 hours (H21YA017-1).

Where is nanoe™ X technology used?

Since 2003, nanoe™ has become a part of people's lives in Japan and other regions.
Such technology can be found in diverse applications for cleaning air and surfaces, inside trains, elevators, cars, home appliances and personal beauty ... as well as in air conditioning.
Panasonic Heating & Cooling Solutions is incorporating nanoe™ technology in a wide range of equipment for residential applications as well as for commercial spaces and, it is a solution that does not require filters or maintenance and can work independently from heating or cooling.

Home

Shop

Gym

Hotel

Office

Clinic

Restaurant

Hospital

It has been adopted in people's homes as well as in public facilities where improved air quality is desired, such as offices, hospitals, healthcare centres and hotels etc.

nanoe™ X: improving protection 24/7

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

Home.

Built-in nanoe X Generator Mark 3.

Wall-mounted Etherea.
CS-XZ**ZKEW-H.
4 capacities: 2,0 - 4,2 kW.
CS-XZ**ZKEW.
4 capacities: 2,0 - 5,0 kW.
CS-(M)Z**ZKE(W).
7 capacities: 1,6 - 7,1 kW.

Built-in nanoe X Generator Mark 2.

Aquarea EcoFleX ducted unit.
S-71WF3E.

Built-in nanoe X Generator Mark 1.

Wall-mounted TZ super-compact.
CS-(M)TZ**ZKE(W).
8 capacities: 1,6 - 7,1 kW.

Floor console.
CS-Z**UFEAW.
4 capacities: 2,0 - 5,0 kW.

Built-in nanoe™.

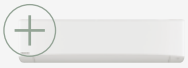
Wall-mounted VZ Heatcharge.
CS-VZ**SKE.
2 capacities: 2,5 - 3,5 kW.

Commercial.

PACi NX. Built-in nanoe X Generator Mark 1.

4 way 90x90 cassette - PU3.
S-****PU3E.
7 capacities: 3,6 - 14,0 kW.

PACi NX. Built-in nanoe X Generator Mark 2.



Wall-mounted - PK4.
S-****PK4E.
5 capacities: 3,6 - 10,0 kW.

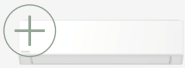
4 way 60x60 cassette - PY3.
S-**PY3E.
4 capacities: 2,5 - 6,0 kW.

Ceiling - PT3.
S-****PT3E.
7 capacities: 3,6 - 14,0 kW.

Adaptive ducted unit - PF3.
S-****PF3E.
7 capacities: 3,6 - 14,0 kW.

High static pressure hide-away.
S-***PE4E.
2 capacities: 20,0 and 25,0 kW.

Fan coils units. Built-in nanoe X Generator Mark 3.



Fan coil wall - FK1.
S-**FK1E.
6 capacities: 1,9 - 5,23 kW.

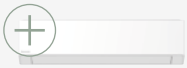
VRF. Built-in nanoe X Generator Mark 3.

U2 type 4 way 90x90 cassette.
S-***MU2E5C.
11 capacities: 2,2 - 16,0 kW.

Y3 type 4 way 60x60 cassette.
S-**MY3EB.
6 capacities: 1,5 - 5,6 kW.

F3 type adaptive duct.
S-***MF3E5D.
12 capacities: 1,5 - 16,0 kW.

M2 type hide-away.
S-**MM2EB
7 capacities: 1,0 - 5,6 kW.



K3 type wall-mounted.
S-***MK3E.
8 capacities: 1,5 - 10,6 kW.

VRF. Built-in nanoe X Generator Mark 1.

G1 type floor console.
S-**MG1E5N.
5 capacities: 2,2 - 5,6 kW.

Ventilation. Built-in nanoe X Generator Mark 1.

Ceiling mounted air-e.
FV-15CSD1G.
1 capacity.

nanoe™ X: improving protection 24/7

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.

At Panasonic, we believe that the best air conditioner is one that works quietly and effectively in the background whilst minimising its impact on the environment.

People who use our products can look forward to long years of high-quality performance without the need for constant service. As part of our rigorous design and development process, Panasonic air conditioners undergo a variety of stringent tests to ensure their effectiveness and long-term reliability. Tests for durability, waterproofing, shock resistance, and noise are conducted on component parts or on the finished products themselves.
As a result of all of these time consuming efforts, Panasonic air conditioners meet industrial standards and regulations in every country where they are sold.

International Standard Quality

To uphold the company's reputation around the world, Panasonic strives continuously to offer quality with minimized environmental impact.

Reliable parts that meet or exceed industrial standards.
In every country where they are sold, Panasonic air conditioners comply with all required industrial standards and regulations. In addition, Panasonic conducts stringent testing to ensure the reliability of parts and materials. The strength of the resin material used in a propeller fan is confirmed by a tension test.

Compliance with RoHS / REACH substance restrictions.
Panasonic products and used materials strictly comply with chemical substance restrictions as defined by RoHS or REACH. During the development and production of parts, stringent inspections are conducted on over 100 materials to ensure that no hazardous substances are included.

Sophisticated production process.
Panasonic's air conditioner production lines employ state-of-the-art factory automation technologies to ensure products are manufactured with high attention to quality to meet expectations of reliability and trustworthiness.

Durability

At Panasonic we know the importance of a long service life with minimal maintenance. That's why we subject our air conditioners to a wide range of stringent durability tests.

Long-term durability test.
To ensure durability and stable operation for many years, we conduct a long-term continuous operation test under conditions that are much more severe than actual operating conditions.

Compressor reliability test.
After the continuous operation test, we remove the compressor from a selected outdoor unit, disassemble it, and examine the internal mechanisms and parts for potential failure. This helps ensure reliable long-term performance under harsh conditions.

Waterproofing test.
The unit - which is subject to rain and wind - complies with IPX4 waterproof specifications. Contact sections on printed circuit boards are resin-potted to prevent adverse effects caused by exposure to water (an unlikely occurrence).

A globally trusted air conditioning brand

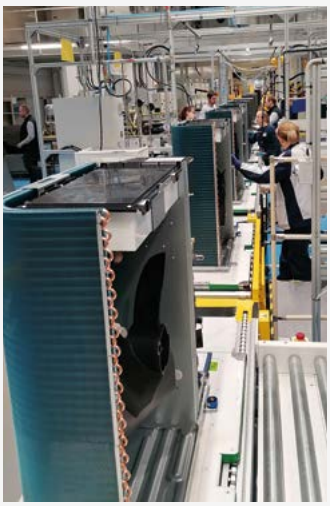
Panasonic – leading the way in Heating and Cooling. With more than 50 years of experience, selling to more than 120 countries around the world, Panasonic is one of the leaders in the heating and cooling sector. With a diverse network of production and R&D facilities, Panasonic delivers innovative products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

From, for and by Europe.

Panasonic R&D Centers in Europe.
The European Research and Development Centers of Panasonic in Germany and Italy are focused on technology development for intelligent and environmentally friendly future solutions.

Our European factories.
In 2018, Panasonic began producing air to water heat pumps at its factory in Pilsen, Czech Republic. By 2023, production expanded to include air to water and water to water chillers and heat pumps, fan coils, water source heat pumps, and rooftops at Panasonic's factories in Italy and France. Additionally, Panasonic's new refrigeration factory in Poland further strengthens its commitment to the European market.
With a combination of highly skilled teams and advanced production automation, Panasonic is well-positioned to meet Europe's growing demand while maintaining exceptional quality standards.

More than 40 years of experienced organization in Europe.
At Panasonic, we know that the best is always yet to come. This is why our air conditioning and heat pump solutions are constantly upgraded. Panasonic is committed to offering our customers innovative products in the heating and cooling market across Europe, and has the ambition to not only meet but also exceed their requirements.
Our Technology and Design teams anticipate the needs of tomorrow. We look to produce smaller, quieter, efficient solutions - with better technological features – that can reduce energy consumption while providing suitable temperature conditions for the user.



Czech

Italy

France

Poland

39 Training Center in 22 countries in Europe

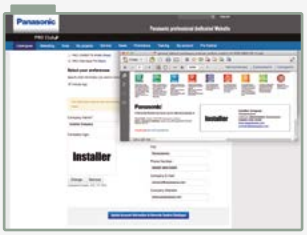
The Panasonic PRO Academy.
Heating and Cooling business is changing rapidly, new technologies, new regulations, new solutions that require continuous update for professionals. Panasonic takes its responsibility to its distributors, specifiers and installers seriously and has developed a comprehensive training programme with 39 Training Center in 22 countries in Europe.

PRO Club. The professional website of Panasonic

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

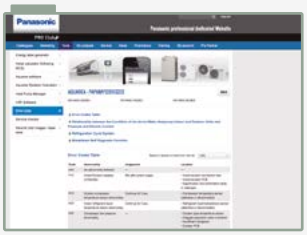
- Print catalogues with your logo and contact details
- Access to the extensive library of professional design, selection and calculation tools (Aquarea Designer, VRF software, chiller selector, etc.)
- Get documents of conformity and all other documents you may need
- Download all the service manuals, end user manuals and installation manuals
- Download energy labels in PDF format using the energy label generators
- Download Revit and CAD files and specification texts
- Know what to do with error codes (error code search by error code or unit ref.)
- PRO Academy: register for training
- Download product images in high resolutions, advertisements, deco guidelines
- Get to know special offers and promotions
- Find out about the latest news first

Easy download Panasonic service documentation and brochures.



Customise leaflets with your logo and contact details. Save and print the PDF.

Energy label generator. Download Energy labels of any device in PDF format.



Error Code on your smartphone and your PC: Search by error code or model reference. Online version + downloadable version for offline use.

Panasonic PRO Club is fully compatible with tablet computer and smartphone.

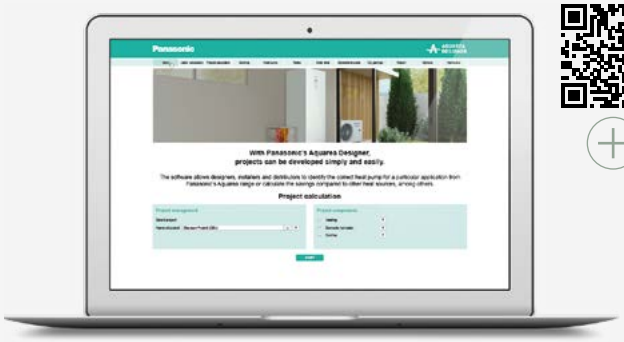
Visit www.panasonicproclub.com or connect simply with your smartphone to the PRO Club using this QR.

PRO Club

Panasonic provides bespoke software and tools helping system designers, installers and dealers to very quickly select, design and size systems or create wiring or hydraulic diagrams at the push of a button.

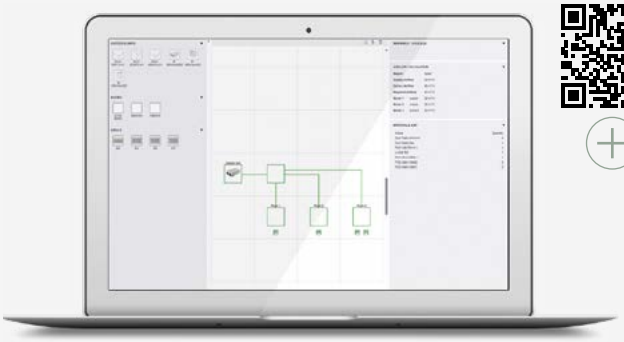
Aquarea Designer - online tool

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



Vent PRO

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

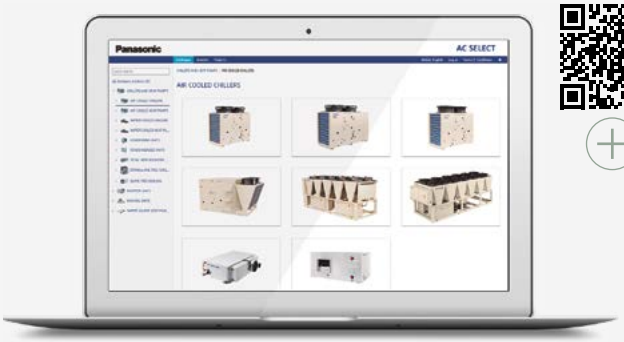


Panasonic DX PRO Designer

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

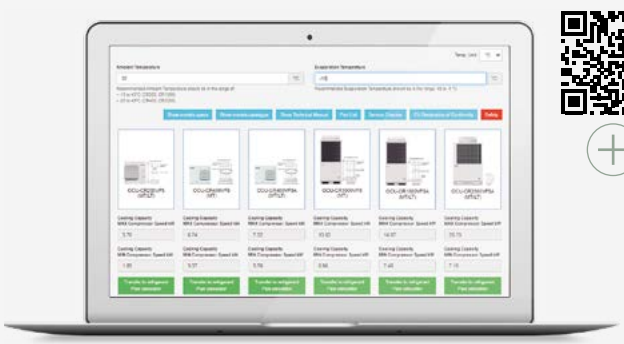
AC SELECT

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



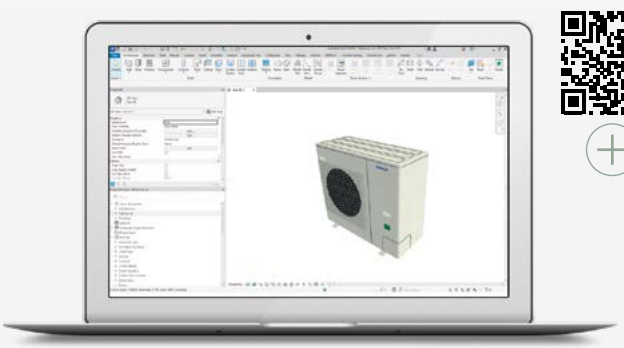
Refrigeration designer

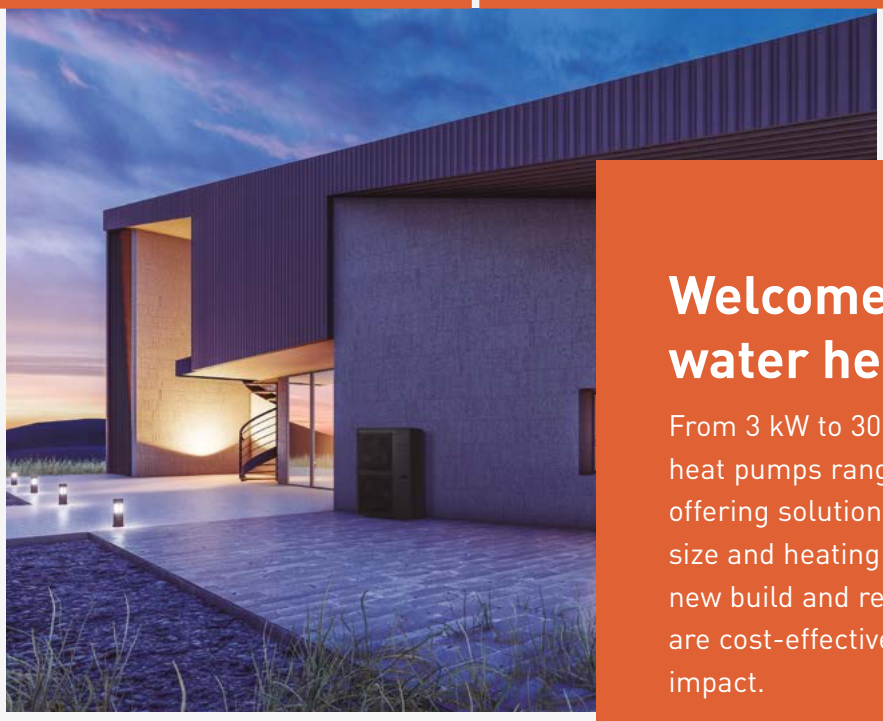
This simple design tool supports engineers, installers, and technicians to make a quick calculation for commercial refrigeration systems.



OPEN BIM - BIM & AutoCAD Support

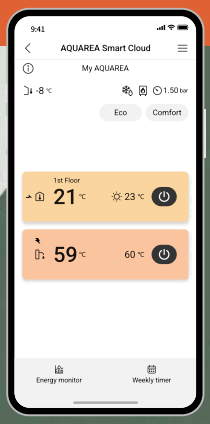
Panasonic offers a wide range of HVAC&R products with BIM (Building Information Modelling) objects in Revit format and AutoCAD files, providing comprehensive support for design offices, consultants, and installers in planning projects.





Welcome to Aquarea air to water heat pumps

From 3 kW to 30 kW, Panasonic's Aquarea air to water heat pumps range is one of the widest on the market, offering solutions for most properties, whatever their size and heating and cooling demands. Suitable for new build and refurbishment projects, the solutions are cost-effective with minimised environmental impact.



AQUAREA

Aquarea High Performance

Aquarea EcoFleX → 81

Aquarea T-CAP

Aquarea Air Smart fan coils → 102

More options for your home

Highlighted features

Panasonic's Aquarea range of heat pumps deliver major energy savings thanks to its incredible efficiency even at -20 °C. The Panasonic Aquarea Heat Pumps are designed and produced by Panasonic and not by other companies.

Panasonic Aquarea Heat Pumps are part of a new generation of heating solutions that use a renewable, free energy source (air) to heat or cool the home and produce hot water by transferring heat rather than generating it.

The heat pump is one of the technologies listed on the International Energy Agency's (IEA) Blue Map, which aims to reduce CO_2 emissions to half of 2005 levels by 2050.

Energy saving

Natural refrigerant R290 with GWP 0,02.
Natural refrigerant R290 has low Global Warming Potential (GWP) of just 0,02, helping reduce CO_2 emissions and environmental impact.

Refrigerant R32.
Our heat pumps containing R32 refrigerant show a drastic reduction in the value of Global Warming Potential (GWP).

Better efficiency and value for medium temperature applications.
Energy efficiency class up to A++ in a scale from A+++ to D.

Better efficiency and value for low temperature applications.
Energy efficiency class up to A+++ in a scale from A+++ to D.

Better efficiency and value for domestic hot water.
Energy efficiency class up to A+ in a scale from A+ to F.

Inverter Plus system.
Inverter Plus system classification highlights Panasonic's highest performing systems.

A class water pump.
Aquarea are built-in with A class energy efficiency water pump. High efficiency circulating the water in the heating installation.

ERP 2018.
Compliant following COMMISSION REGULATION (EU) No2016/2281.

EC motor green ventilation.
Range of fan coils with improved efficiency and optional EC fan motors.

High performance and indoor air quality

Aquarea High Performance for low consumption houses.
From 3 to 16 kW. For a house with low temperature radiators or under-floor heating, our high performance Aquarea HP is a good solution. * COP of 5,33 for 3 kW K series.

Aquarea T-CAP for extremely low temperatures.
From 9 to 16 kW. It can work at outdoor temperatures as low as -28 °C and maintain the rated capacity down to -20 °C.

DHW.
With Aquarea Heat Pumps, DHW can be produced efficiently, achieving high DHW COP of 3,6 with the L Series All in One indoor unit.

Down to -20 °C in heating mode.
The heat pumps operate in heating mode with an outside temperature down to -20 °C.

Water filter with magnet.
Easy access and fast clip technology for J Series onwards. Water filter only for H Series.

75 °C output water.
Reaches water outlet temperature up to 75 °C for L and M Series.

65 °C output water.
Reaches water outlet temperature up to 65 °C.

Water flow sensor.
Included on H Series onwards.

5 Years compressor warranty.
We guarantee the outdoor unit compressors in the entire range for five years.

High connectivity

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

Solar kit.
For even greater efficiency, Aquarea Heat Pumps can be connected to photovoltaic solar panels with the optional PCB.

Advanced control.
Remote controller with full dotted 3,5'' wide back light screen. Menu with 17 available languages easy to use for installer and user. Included on H Series onwards.

Internet control.
The Panasonic Comfort Cloud App allows users to conveniently manage and monitor Panasonic residential heat pumps from a mobile device, anytime, anywhere.

BMS connectivity.
Aquarea Heat Pumps offer seamless integration into a Building Management System (BMS) using an optional gateway.

Aquarea H and J Series heat pumps in combination with the optional PCB CZ-NSP4 hold the SG Ready Label (Smart Grid Ready Label), given by Bundesverband Warmepumpe (German Heat Pump Association). This Label shows the real capacity of Aquarea to be connected in an intelligent grid control.
MCS Certificate number: MCS HP0086*.
Keymark: Check all our certified heat pumps on: www.heatpumpkeymark.com.
Passive House Institute: Certified models can be checked in https://database.passivehouse.com.

* Not all products certified. As the certification process is on-going and the list of certified products constantly changing, please check for latest details on the official websites.

Warning on quality of water and groundwater use: This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Aquarea – comprehensive heating solution by Panasonic

Welcome home. Experience comfort heating, energy savings and peace of mind with Aquarea heating solution.

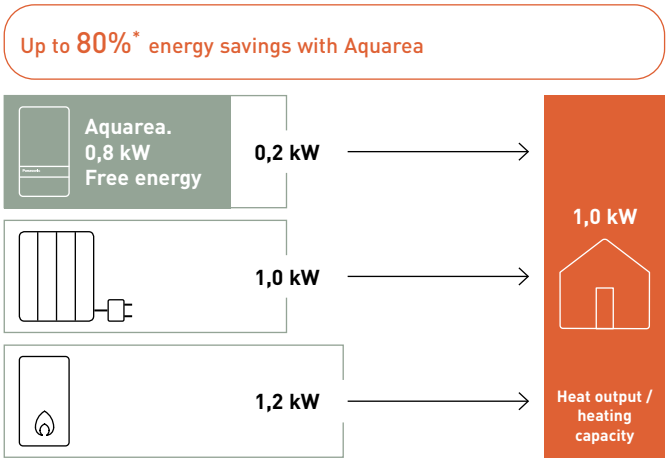
Introducing the Panasonic Aquarea – air source heat pump.

Panasonic Aquarea Heat Pumps are designed to provide exceptional indoor comfort and energy efficiency. These advanced heat pumps offer a range of benefits, making them an ideal choice for heating, cooling and DHW production.

- **High comfort all year-round**
- **High flexibility**
- **High energy savings in heating, cooling and DHW production**
- **Contributing to the decarbonisation of society**

As much as 79% of the energy consumption of European homes comes from heating and producing DHW*. That's why, compared to conventional boilers and electric heaters, highly efficient Panasonic air to water heat pump technology can make a significant difference. Moreover, by converting heat energy in the air into household warmth, this technology helps reduce CO_2 emissions and environmental impact.

* https://ec.europa.eu/eurostat.



Power input / energy consumption power. * At 35 °C flow temperature.

Comfort heating and peace of mind with Aquarea solution.

Panasonic extends its commitment to comfort and energy savings beyond heat pumps by offering a comprehensive range of solutions for indoor comfort.

Fan coils for indoor climate control.

Residential ventilation for Indoor Air Quality with energy savings.

Room control and smart energy management services.

High efficiency tanks.

Aquarea Service Cloud for remote maintenance of the heat pump.

AQUAREA SERVICE+

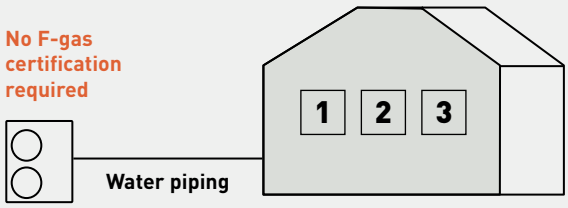
Aquarea Service +. Let us take care of your Aquarea Heat Pumps.

Discover the Aquarea Heat Pump range

Panasonic Aquarea provides the ideal solution for any project, enhancing the efficiency of homes and simplifying the installation process.

Aquarea Hydraulic systems

The Aquarea Hydraulic system simplifies installation by requiring only water pipes between the outdoor unit and the interior of the building.



Hydraulic indoor unit options

1 Stand-alone outdoor unit + optional DHW tank.
This hydraulic system without indoor unit offers high installation flexibility, ideal for retrofit projects.

2 All in One indoor unit.
The All in One unit combines the indoor unit and a DHW tank, simplifying installation and saving space.

3 Bi-bloc indoor unit + optional DHW.
This wall-mounted unit offers flexible installation with customizable tank sizes.

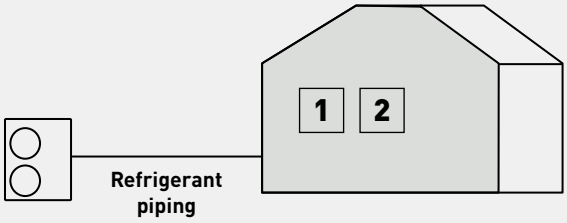
		5,0 kW	7,0 kW	9,0 kW	12,0 kW	16,0 kW	20,0 kW	25,0 kW	30,0 kW
Aquarea High Performance	1 ph	✔	✔	✔	✔	✔			
Aquarea T-CAP	1 ph			✔	✔				
	3 ph			✔	✔	✔	✔	✔	✔

Aquarea DHW Heat Pumps

Using a compressor with natural refrigerant R290, Aquarea DHW Heat Pumps efficiently produce domestic hot water and significantly reduce energy consumption and CO_2 emissions compared to electric heaters and other traditional systems.

Aquarea Split systems

The Aquarea split system features a separate outdoor unit and indoor unit connected by refrigerant pipes. It requires no antifreeze protection for outdoor piping, even during long periods of inactivity in cold climates.

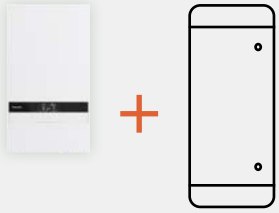


Indoor unit options

1 All in One indoor unit.
The All in One unit combines the indoor unit and a DHW tank, simplifying installation and saving space.

2 Bi-bloc indoor unit + optional DHW.
This wall-mounted unit offers flexible installation with customizable tank sizes.

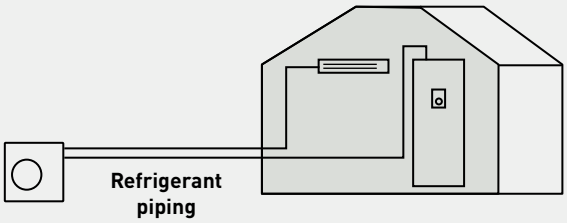
120 L - 185 L - 260 L



		5,0 kW	7,0 kW	9,0 kW	12,0 kW	16,0 kW
Aquarea High Performance	1 ph	✔	✔	✔	✔	✔
Aquarea T-CAP	1 ph			✔	✔	
	3 ph			✔	✔	✔

Aquarea EcoFleX

Designed for new installations, the Aquarea EcoFleX heat pump combines an air-ducted unit with nanoe™ X technology and a hot water tank. It delivers hot water, heating, cooling, and cleaner air, all with outstanding efficiency, energy savings, and low CO_2 emissions.



Comfort heating and peace of mind with Aquarea solution

Panasonic extends its commitment to comfort and energy savings beyond heat pumps by offering a comprehensive range of solutions for indoor comfort.

Aquarea Air Smart fan coils.

Stylish, compact fan coil units for high comfort and energy savings.

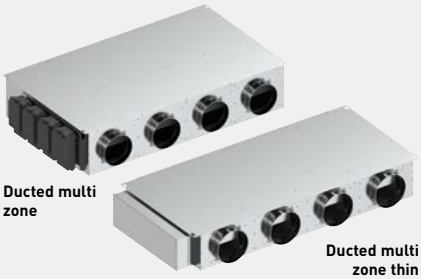
Aquarea Air Smart fan coil floor standing.
Even narrower and thinner fan coils.

Aquarea Air Smart fan coil wall-mounted.
The thinnest and most quietest in its class.

Aquarea Air Smart fan coil ducted / ducted multi zone.
Thin version with only 185 mm height.
Integrated multi zone management (2-5 zones, with the multi zone line-up).

Ducted

Ducted thin



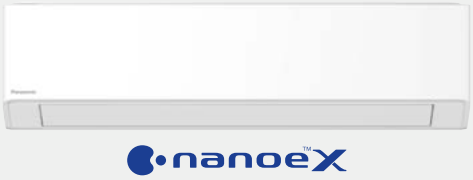
Ducted multi zone

Ducted multi zone thin

Fan coil units.

A large range of fan coil units dedicated to commercial applications.

NEW fan coil wall - FK1.
Stylish design. nanoe™ X (Generator Mark 3).



Fan coil comfort AC/EC fan.
Floor and ceiling units with high configuration flexibility.

Aquarea Loop, the water loop heat pump for multi-family buildings.

Efficiently replaces existing radiators in centralised heating systems.

R290

Wide range of water tanks DHW tanks, buffer tanks and combo tanks available.

Residential ventilation units.

Aquarea Vent -Counter flow ventilation units.
Suitable for single family houses or apartments.
High-efficiency sensible heat recovery.

Heat recovery ventilation unit.
Designed for areas up to approximately 140 m².
High energy-efficiency rotary heat exchanger with EC - technology fans.

tado° for room heating control and smart energy management services.

Unlocking maximum efficiency and savings - without sacrificing cosy temperatures at any time.

tado° smart heating customers save an average of 22% on their energy consumption.

* Based on internal data averaged across all tado° customers, collected up to 11/2023.

Cascade solutions.

Boost the capacity up to 300 kW by connecting the Aquarea Heat Pumps in cascade.

Aquarea Service Cloud.

For remote maintenance of the Aquarea Heat Pump.

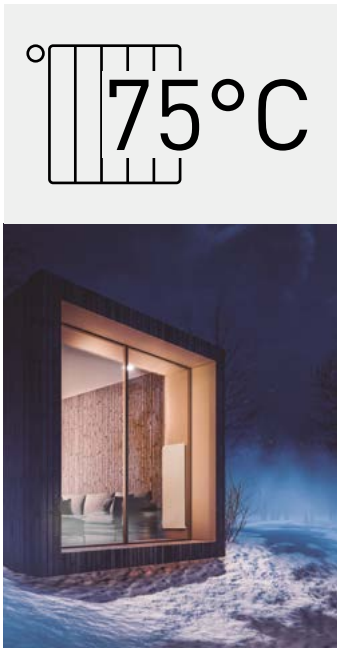
At the forefront of heating innovation: Panasonic expands Aquarea series with natural refrigerant R290

Aquarea air to water heat pumps with R290 refrigerant range is a groundbreaking low energy system for heating, cooling and domestic hot water production that delivers outstanding performance, aligning with our vision of a carbon-free society and our GREEN IMPACT plan.

R290
NATURAL REFRIGERANT

0,02 Global Warming Potential

Panasonic's newest series are engineered with industry leading natural refrigerant R290, which has a low Global Warming Potential (GWP) of just 0,02, helping reduce CO_2 emissions and environmental impact.



Output water.

Up to 75 °C water outlet down to -15 °C* outdoor.

* -10 °C for L Series. Down to 15 °C outdoor for 20, 25 and 30 kW models.

Quiet operation.

Only 27 dB(A) sound pressure at 5m*.

* Sound pressure calculation for WH-WDG05LE5, free standing, A +7 °C, W 35 °C in Quiet mode 3.

Flexible hydraulic installation.

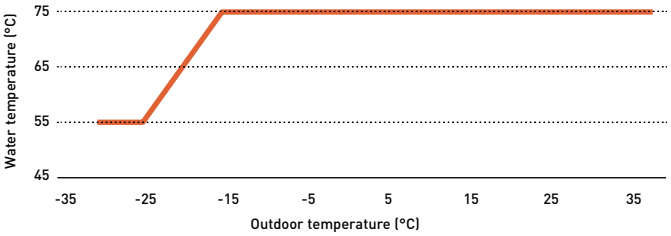
Hydraulic connection between indoor and outdoor.

Made and designed by Panasonic.

Reliable outdoor units with Panasonic compressor.

Output water. High performance under extreme conditions

Excellent solution for heating system retrofit.
The compressor operates without backup heating down to -28 °C ambient temperatures, and can be integrated alongside existing radiators with a high-water flow temperature of up to 75 °C at -15 °C outside temperature. Even at -28 °C outside temperature, it can supply hot water at 55 °C.

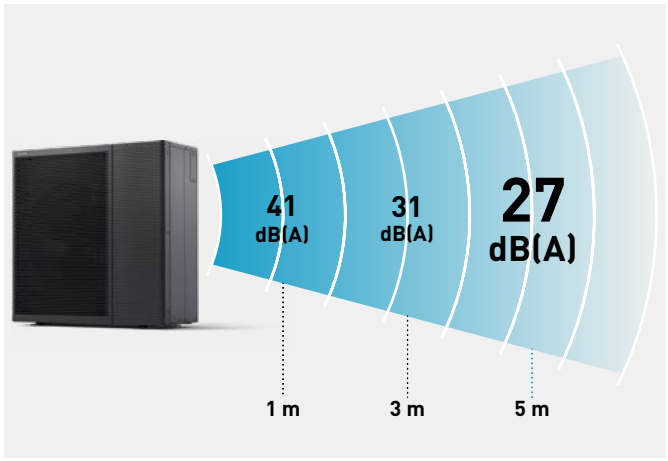


* For M Series 9, 12 and 16 kW models. In case of L Series operation down to -25 °C and 75 °C water outlet down to -10 °C ambient.

Sterilisation process without heater.
It can also reach a domestic hot water temperature of up to 65 °C without the use of the electric heater, so the tank sterilisation can be performed with the heat pump operation.

Quiet operation. Panasonic's unique low noise architecture

The compressor, which is a major source of noise, is equipped with a double-bottomed structure to provide a safe, quiet structure that does not disturb neighbours in crowded residential areas.

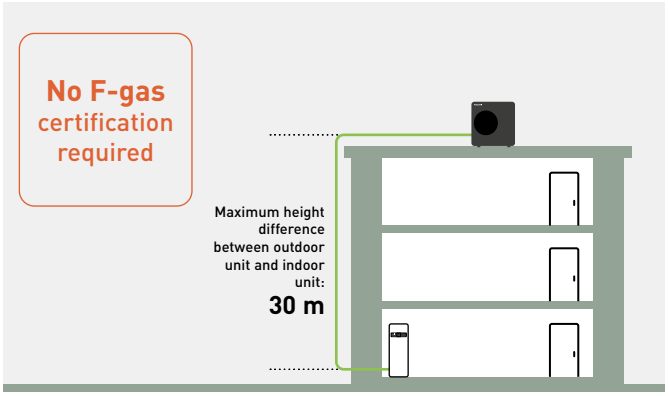


* Sound pressure calculation for WH-WDG05LE5, free standing, A +7 °C, W 35 °C in Quiet mode 3.

Flexible hydraulic installation

The installation of the system is 100% hydraulic, with only water pipes between the outdoor unit and the interior of the home.

More living space at home.
No indoor safety measures needed for refrigerant or fuel gas piping.



* For L Series only when the outdoor unit is installed above the indoor unit, and the water pressure does not exceed 1 bar at the outdoor unit.

Made and designed by Panasonic.

Aquarea High Performance L Series from 5 to 9 kW.

Wi-Fi adapter included

Aquarea T-CAP M Series from 9 to 30 kW.

Wi-Fi adapter included

* Check availability of units and combinations.

Aquarea T-CAP M Series, the latest generation of Aquarea Heat Pumps with R290

R290

Introducing M Series T-CAP, innovative Aquarea Heat Pumps with natural refrigerant R290, delivering superior performance even in extreme conditions.

DESIGN AWARD 2024

reddot winner 2024

GOOD DESIGN AWARD 2024
BEST 100

* For 9, 12 and 16 kW single and three phase.

75°C

Output water.

Up to 75 °C water outlet down to -15 °C outdoor*.

* Down to 15 °C outdoor for 20, 25 and 30 kW models.

Quiet operation.

Only 29 dB(A) sound pressure at 5 m*.

* Sound pressure calculation for WH-WXG12ME5, free standing, A +7 °C, W 35 °C in Quiet mode 3.

Flexible hydraulic installation.

Hydraulic connection between indoor and outdoor.

Made and designed by Panasonic.

Reliable outdoor units with Panasonic compressor.

Panasonic Comfort Cloud App and Aquarea Service Cloud included.

Smart control and maintenance.

A+++

High efficiency.

ErP 35 °C.
Energy efficiency class up to A+++*.

* Scale from A+++ to D.

-28 °C

Extreme conditions.

Compressor operating down to -28 °C outdoor temperatures.

-20 °C

T-CAP.

Keeping heating capacity down to -20 °C.

Flexible installation, suitable for retrofit and new buildings.

Thanks to its new, modular concept, the outdoor unit can function independently with just an indoor remote control, for those seeking basic functionalities. Homeowners can opt for enhanced functionality by incorporating the more advanced control module or selecting between a Bi-bloc or All in One indoor units.

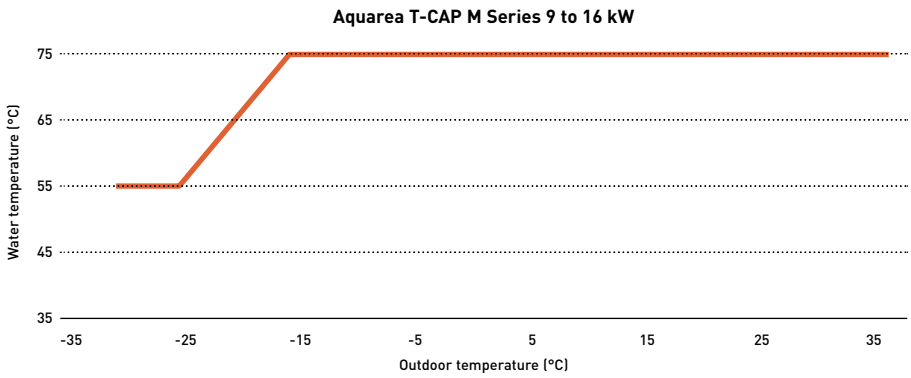
Available in 120 L,185 L and 260 L DHW tank.

	Remote controller	Control module	Bi-bloc (available from 9 to 16 kW)	All in One (available from 9 to 16 kW)
CN-CNT	✔ (1)	✔ (2)	✔ (2)	✔ (2)
Backup heater	—	Field supply	✔	✔
Expansion vessel (10 L)	—	—	✔	✔
Additional functions	—	CZ-NS7P	CZ-NS6P	CZ-NS6P

Output water. High performance under extreme conditions

Excellent solution for heating system retrofit.
The compressor operates without backup heating down to -28 °C ambient temperatures, and can be integrated alongside existing radiators with a high-water flow temperature of up to 75 °C at -15 °C outside temperature.
Even at -28 °C outside temperature, it can supply hot water at 55 °C.

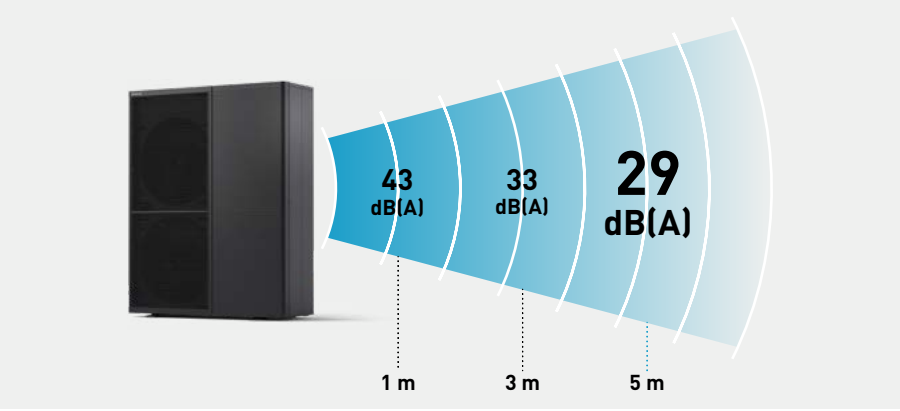
* For M Series 9, 12 and 16 kW models.



Quiet operation. Panasonic's unique low noise architecture

The compressor, which is a major source of noise, is equipped with a double-bottomed structure to provide a safe, quiet structure that does not disturb neighbours in crowded residential areas.

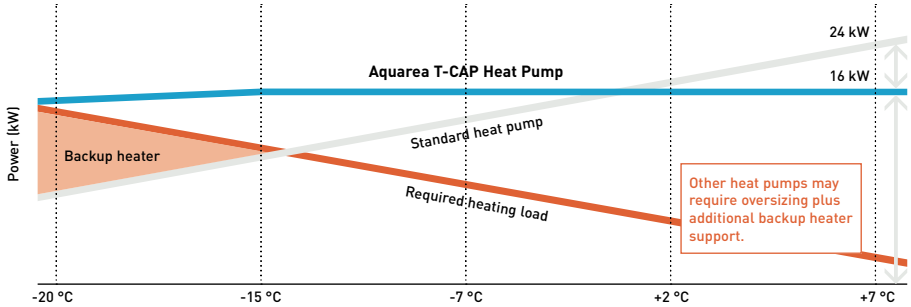
* Sound pressure calculation for WH-WXG12ME8, free standing, A +7 °C, W 35 °C in Quiet mode 3.



Aquarea T-CAP, high performance whatever the climate

With Aquarea T-CAP technology and the new compressor with Injection technology, Panasonic heat pumps can work in outdoor temperatures as low as -28 °C and maintain capacity without backup heating at -15 °C*.

* WH-WXG20/25/30ME8 work down to -25 °C outdoor.



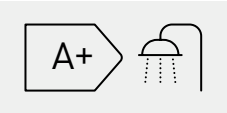
Aquarea T-CAP M Series, the latest generation of high performance heat pumps with R290

Aquarea T-CAP M Series delivers a revolution in the design, performance, connectivity, and sustainability. Aligning with our vision of a carbon-free society and our GREEN IMPACT plan.

High energy efficiency in heating and domestic hot water

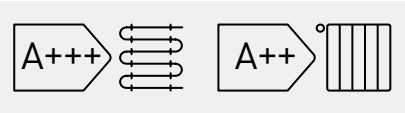
The Aquarea M Series saves energy and significantly reduces operating cost by achieving the highest ErP energy rating.
Aquarea M Series can reach a domestic hot water temperature of up to 65 °C without the use of the electric heater, so the tank sterilisation can be performed with the heat pump operation for further energy savings.

* Rating conditions: Heating: Inside air temperature: 20 °C Dry Bulb / Outside air temperature: 7 °C Dry Bulb / 6 °C Wet Bulb. Conditions: Water input temperature: 30 °C / Water output temperature: 35 °C. Energy rating for WH-WXG12ME8.



Energy efficiency class up to A+.

Scale from A+ to F.

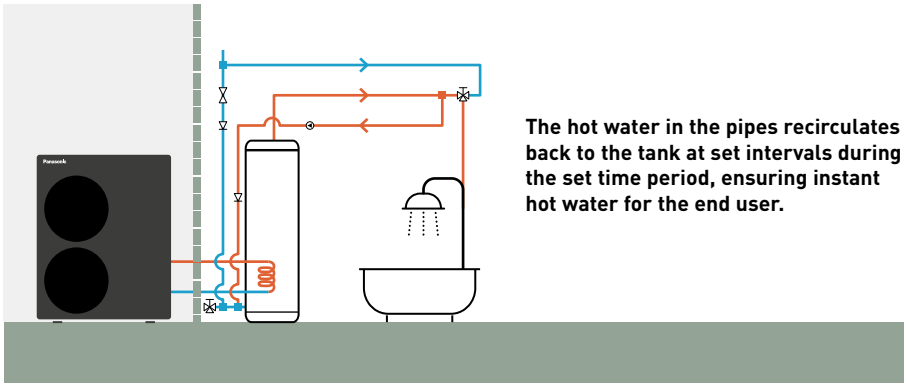


ErP 35 °C / 55 °C. Energy efficiency class up to A+++/A++.

Scale from A+++ to D.

Maximising hot water comfort

- Up to 40% more tap water with a higher tank temperature setting to save space
- New domestic hot water circulation mode for instant availability of hot tap water
- During sterilisation, the domestic hot water circulation mode is activated to ensure sterilisation of the water pipes



The hot water in the pipes recirculates back to the tank at set intervals during the set time period, ensuring instant hot water for the end user.

Internet adapter included for Smart Control and remote maintenance

The Aquarea M Series comes standard with an internet adapter for Wi-Fi or WLAN connection. It can be easily connected via the front panel of the indoor units or the control module, providing flexible and intuitive connectivity.

Reliable technology.

The outdoor units are equipped with a Panasonic R290 scroll compressor. The compressor is manufactured in-house with T-CAP technology including injection.
The outdoor heat exchanger is protected with a Bluefin treatment for harsh ambient conditions.

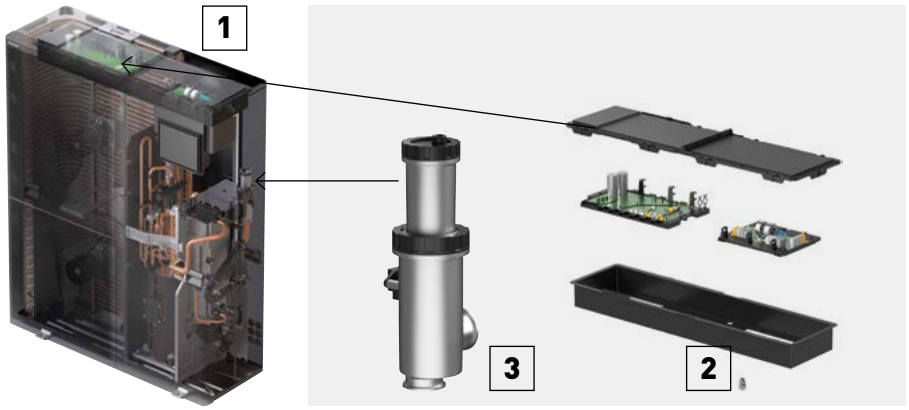
Great serviceability

Cutting-edge outdoor unit design keeps the PCB in a safe and accessible location.

Aquarea M Series safety optimisation.

1 | Non-flammable control box
2 | Power box cable gland with sealed connections
3 | Air/refrigerant separator

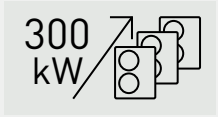
* This image applies to 9, 12 and 16 kW.



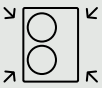
Big Aquarea T-CAP M Series, the ideal solution for centralised heating and DHW installations

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

The solution is suitable for both new buildings and retrofits, as it offers a more sustainable alternative to traditional fossil fuel heating systems and it can be easily integrated with existing water system such as fan coils, floor heating or domestic hot water tanks.



Up to 300 kW in cascade.

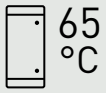


Compact solution with small footprint.

Keeping capacity at 55 °C water outlet down to -15 °C outdoor.

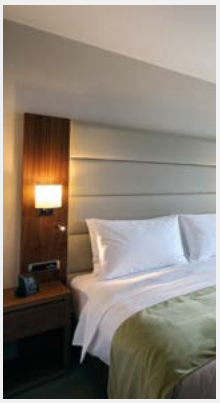
Quiet operation.

Panasonic Inverter compressor.



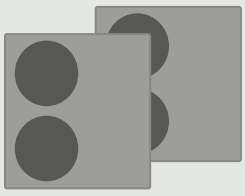
DHW at 65 °C with compressor only.

- **Units from 20 to 30 kW, up to 300 kW in cascade**
- **Easy replacement of other heating sources**
- **Flexible control options: remote control only or control module for enhanced functionality**
- **Seamless Modbus integration**
- **Designed to blend with architecture and environment**



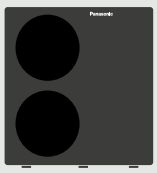
Maintained capacity.
Time-saving installation.
Cost-saving.
Space-saving.

2x 20 kW heat pump



Conventional cascade system

1x 30 kW Big Aquarea T-CAP

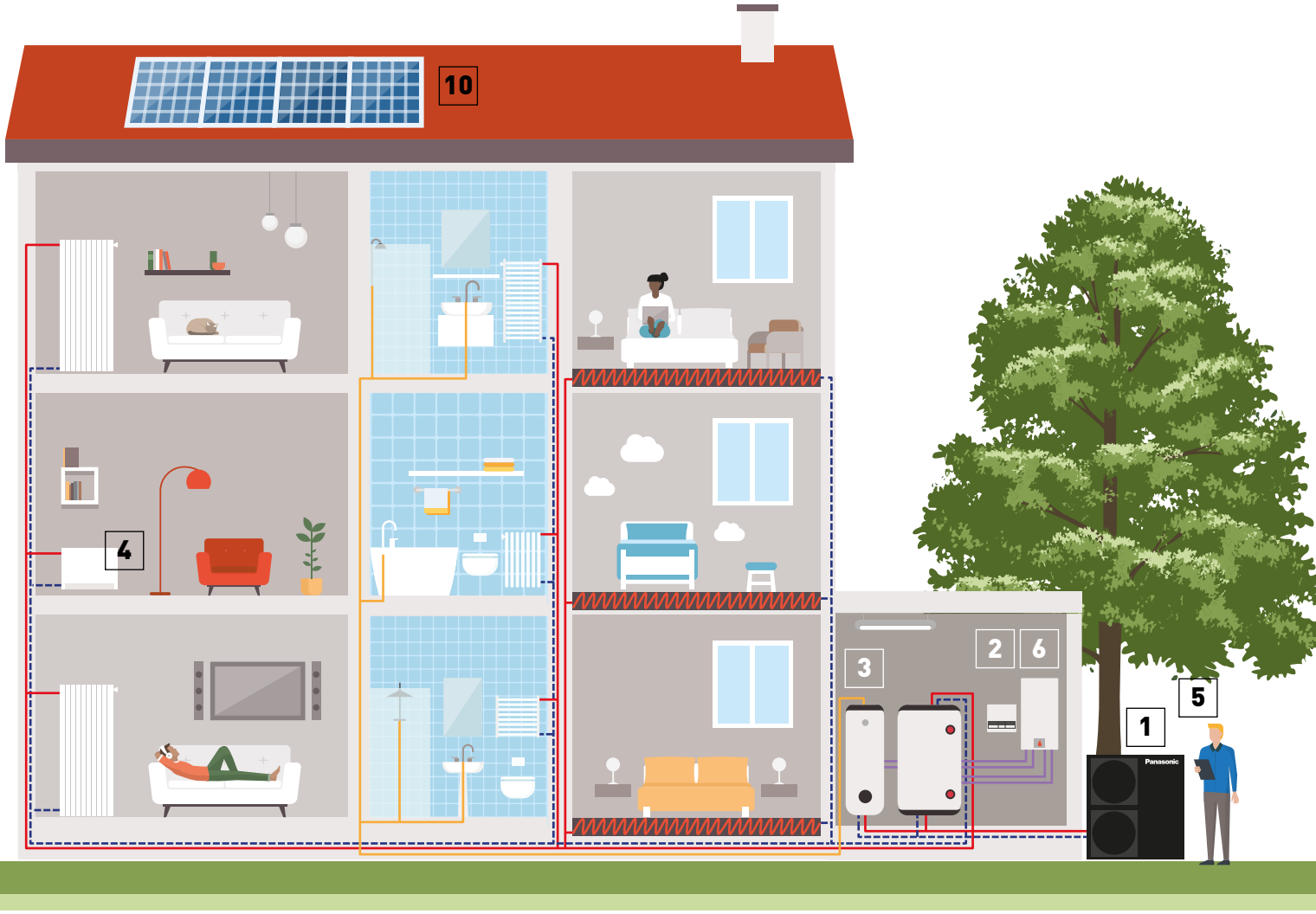


New Panasonic Aquarea T-CAP M Series

For 30 kW demand at 55 °C water outlet and -7 °C outdoor temperature.

Big Aquarea for centralised heating and DHW installations in multi-family or commercial buildings

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



1

Big Aquarea T-CAP M Series.
25 kW heat pumps in cascade, for a space-saving solution.
It can replace an old fossil fuel boiler.

2

M Series control module.
The control module allows for enhanced control functionality. Operation with the remote controller only is also possible.

3

High efficiency DHW tank.
A high efficiency tank provides the required volume of hot water, at the correct temperature, reducing energy costs.

4

Aquarea Loop.
The water loop heat pump provides heating and cooling for every apartment or room connected to a central water loop.

4

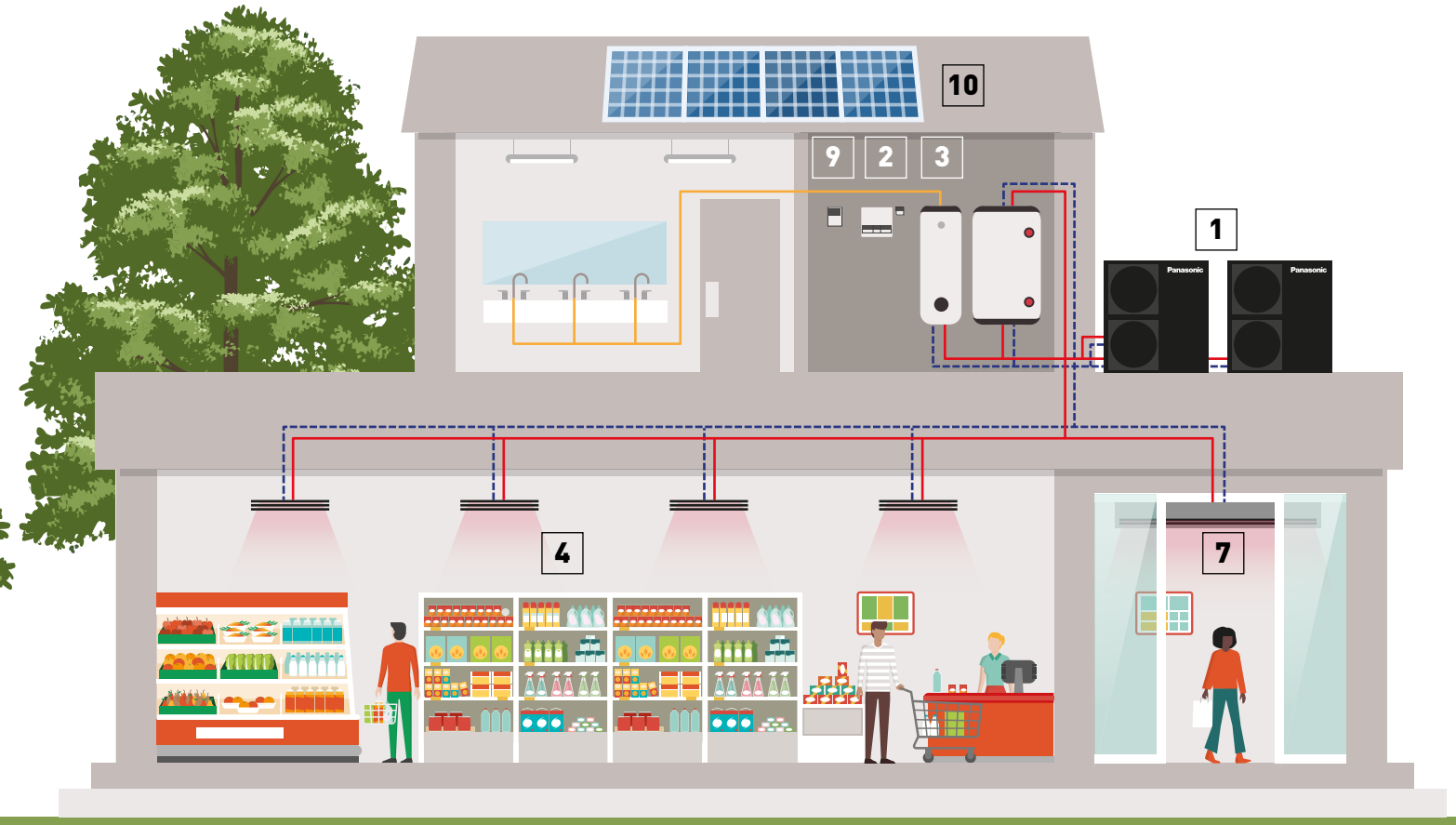
Fan coils, radiators or floor heating.
Aquarea Heat Pumps can be integrated into a new or existing water system.

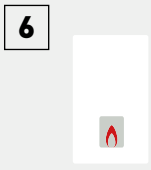
5

Aquarea Service Cloud.
This IoT solution provides powerful and user-friendly management and monitoring of Aquarea Heat Pumps and enables remote maintenance.

A revolution in the design, performance, connectivity, and sustainability.

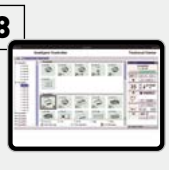
- **Scalable solution, up to 300 kW in cascade**
- **Suitable for new build and retrofit**
- **Up to 75 °C water outlet**
- **Easy replacement of other heating sources and integration into existing water systems**
- **Quiet operation**
- **Maintains output at 55 °C down to -15 °C**
- **Hot water production at 65 °C with compressor only**
- **Flexible control options and seamless Modbus integration**





OPTIONAL.
Bivalent mode.
Cost-effective bivalent mode with energy tariff logic when combined with an existing boiler.

Air Curtain with water Coil.
Water coil air curtains can be used in the hydraulic system to have efficient performance of the water system.



BMS integration.
The system can be easily integrated into a Modbus project with the optional accessory.

Cascade manager.
Manages up to 10 Aquarea Heat Pumps, balancing working hours, can control up to 2 buffer tanks and integrates PV, among others.

Photovoltaics.
Thanks to the integration with PV, the demand or power consumption for heating or hot water production is adapted to the PV production.

Burger & Lobster restaurant. Bath, UK.
Panasonic's air to water Aquarea system has been installed in the latest glamorous Burger & Lobster restaurant in Bath. The Octagon Chapel, a large listed building in the city centre, was converted to accommodate the restaurant, and Panasonic's Aquarea system provided an extensive, energy efficient and unobtrusive heating and cooling solution.

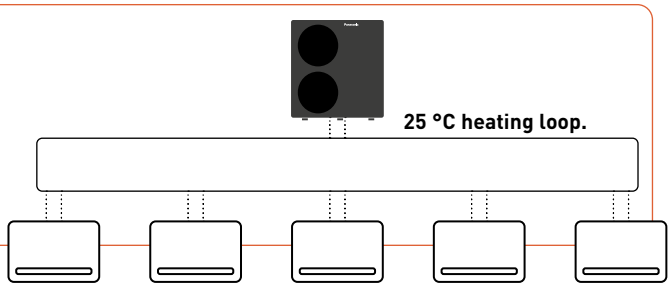
Aquarea Loop, the water loop heat pump for multi-family buildings

The Aquarea Loop is a decentralised water-to-air heat pump using R290, designed to provide heating and cooling for each apartment connected to a central water loop.

The system circulates water year-round at a neutral temperature (20 ~ 30 °C), preventing condensation on uninsulated pipes during summer. The Aquarea Loop adjusts the water temperature to optimal levels, ensuring each room is properly heated or cooled.

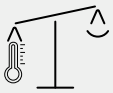
This setup maximizes the use of renewable energy, minimizes heat losses in distribution, and enhances the environmental performance of the apartment building.

Aquarea Loop efficiently upgrades the heat of the low temperature loop.
Thus, a lower temperature may be used.



Efficiently replaces existing radiators in centralised heating systems.

Aquarea Loop offers low thermal losses and high seasonal efficiency. Enjoy simultaneous heating and cooling while effortlessly integrating with existing pipework for seamless renovations.



Low thermal losses.

High seasonal efficiency of the entire system.

Simultaneous heating and cooling.

Use of existing pipework for renovations*.

* Based on the low flow rate requirement – must be checked on each project.

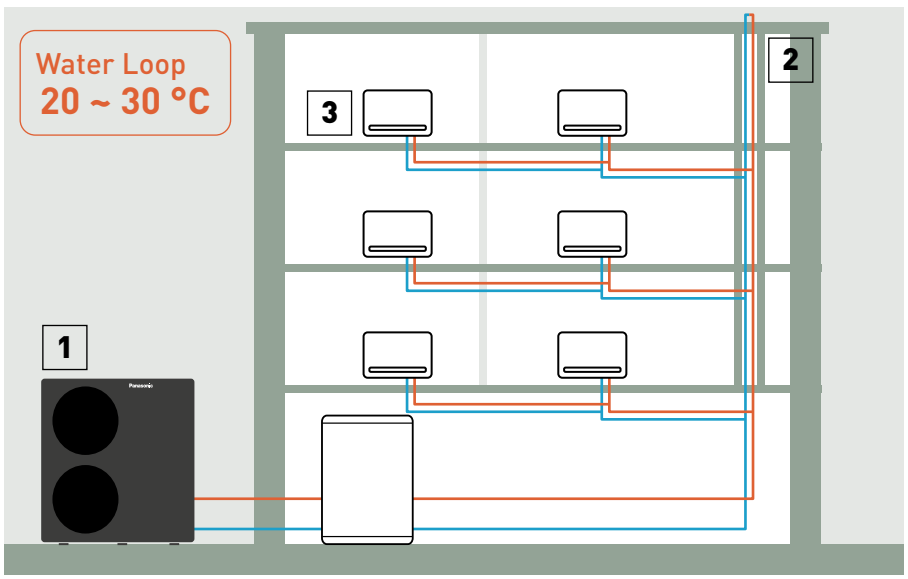
And more:

- **Compact indoor unit – depth of only 140 mm**
- **DC Inverter compressor with R290**
- **Lower CO_2 emissions than traditional heating systems**
- **Utilizes renewable energy**
- **Improves the energy class of the building**
- **No thermal losses in distribution**
- **Reduced operating costs**
- **No need for gas connection or chimney**
- **Easy installation**
- **Connects to individual apartment's electricity**
- **Accurate energy allocation for each Aquarea Loop with metering**

Retrofit application: centralised low temperature installation for decentralised heating and cooling

The Aquarea Loop is the perfect replacement for existing radiators, ensuring optimum temperatures all year round.

1 | Centralised Aquarea Heat Pump (first stage of generation) replacing a high temperature traditional heat source
2 | Loop water temperature 20 ~ 30 °C. The existing pipework may be reused
3 | Aquarea Loop heat pump (second stage of generation) replacing conventional radiators



Aquarea All in One Hydraulic M Series

The ultimate space-saving solution. Available in 120 L, 185 L and 260 L DHW tank, with a footprint of just 599 x 602 mm.

Premium white indoor units.

The indoor unit is designed to blend into your interior space effortlessly. In premium white, faithful to the Aquarea spirit, underlined by the seamlessly integrated controller which provides a sleek black band across the unit.

New All in One with 120 L DHW tank

599 x 602 mm footprint reduces required installation space.

No buffer tank required, reducing space, cost and installation time.

Up to 40% more tap water with a higher tank temperature setting.

Robust body and top surface enables installation of a top ventilation unit.

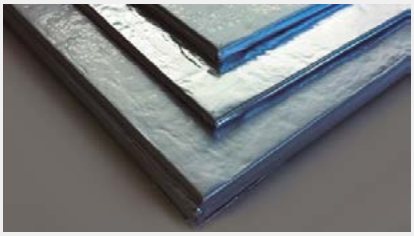
Aquarea All-in-One M series: the best Panasonic technology.

* Tentative information.

Great serviceability.
- Easy access to hydraulic part thanks to door opening mechanism
- All sensors can be checked from the remote controller
- Water pressure sensor and reading on home-screen

Other high quality components inside.
- Maintenance free Inox stainless 120 L,185 L or 260 L tank
- Variable speed water pump ("A class")
- Backup heater
- 3 way valve inside

Extended elevation difference (up to 30 m).
With the new expansion vessel, the All in One M Series allows a high indoor/outdoor height difference of up to 30 m.



U-Vacua™ Vacuum insulation panel.
U-Vacua™ panels offer 19 times the insulation performance of polystyrene foam. Since the system retains heat longer, it needs to heat up fewer times each day, resulting in energy savings.

Aquarea All in One with 2 zones.

The optimal solution for installations with 2 heating zones.
- 2 heating circuits, with 2 different water temperatures
- 2 variable speed water pumps "A class" and 2 water filters
- Floor heating water control with mixing valve

* Only available with a 185 L DHW tank.

Aquarea All in One with Electrical Anode:

The All in One with built-in impressed current anode is the ideal solution for installations in locations with harsh water conditions.

Aquarea K Series

A revolution in design, efficiency, connectivity and sustainability. Aquarea K Series is a ground breaking low-energy system for heating, cooling and domestic hot water production that delivers outstanding performance. This model is ideal for new installations and well-insulated homes.

Wide range.
Wide range to suit all homes: High Performance and T-CAP.

Further noise reduction.
-8 dB(A) in Quiet mode.

Optional remote control and maintenance.
Panasonic Comfort Cloud App and Aquarea Service Cloud.

High energy efficiency for heating.
High energy class for low temperature applications*.

* Scale from A+++ to D. Might not apply to all the models.

High energy efficiency for domestic hot water.
DHW COP up to 3,5*.

* Scale from A+ to F.

Output water.
Up to 60 °C water outlet down to -10 °C outdoor.

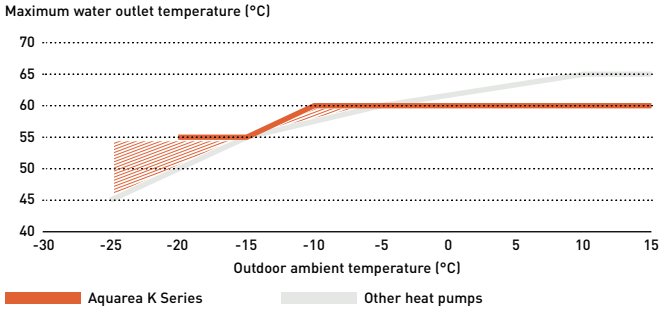
Further advanced features

- High tank insulation performance thanks to U-Vacua™*.
- All in One indoor unit available in 185 L and 260 L
- Less frequent maintenance with pre-installed magnet filter
- Water pressure sensor built-in
- Easy access to hydraulic parts
- Operation without backup heater at -25 °C
- Bluefin treatment protection on outdoor heat exchanger for harsh ambient conditions

* Only applicable to All in One indoor unit. U-Vacua™ is a vacuum insulation panel (VIP) technology.

Aquarea K Series keeps 60 °C water outlet temperature even at very low temperatures

Aquarea K Series is able to keep 60 °C water outlet temperature in outdoor temperatures down to -10 °C, keeping high comfort in the room even at low temperatures. With other heat pumps, water temperature dramatically drops at low outdoor temperatures, making the heat pump to work out of the design conditions and creating discomfort inside the room.



Aquarea K Series for every project need.

Available in both T-CAP and High Performance, the Aquarea K Series offers a versatile range of solutions to suit different project sizes and needs.

The outdoor unit is designed to harmonize with architecture and the environment

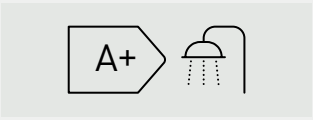
The compressor, which is a major source of noise, is equipped with a double-bottomed structure to provide a safe, quiet structure that does not disturb neighbours in crowded residential areas.

-8 dB(A) in Quiet mode

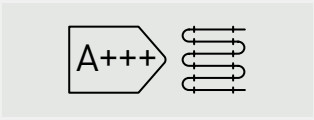
Aquarea High Performance K Series.

For new installations and low consumption homes.
Suitable for a wide range of properties that demand exceptional efficiency and high energy savings.
Featuring COPs as high as 5,33 [1] this solution is perfect for either underfloor heating or low temperature radiators.

1) K and J Series 3 kW.



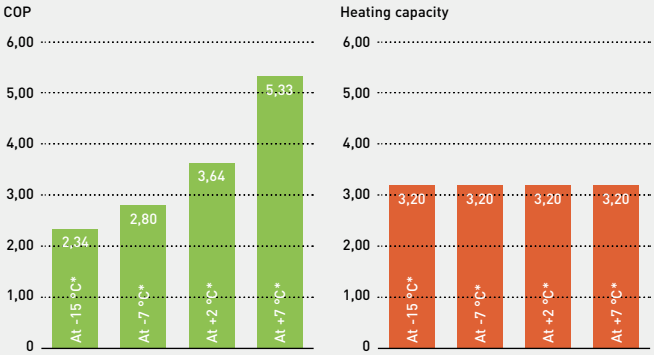
Energy efficiency class up to A+.
Scale from A+ to F.



ErP 35 °C. Energy efficiency class up to A+++.
Scale from A+++ to D.

* Rating conditions: Heating: Inside air temperature: 20 °C Dry Bulb / Outside air temperature: 7 °C Dry Bulb / 6 °C Wet Bulb. Conditions: Water input temperature: 30 °C / Water output temperature: 35 °C. These energy efficiency might not apply to all models.

With a COP of 5,33, the Aquarea Heat Pumps offers savings of up to 82% on heating costs compared to electric heaters, as a large portion of the energy is extracted from the air for free.



* KIT-ADC03K3E5 at 35 °C water outlet.

Aquarea T-CAP K Series.

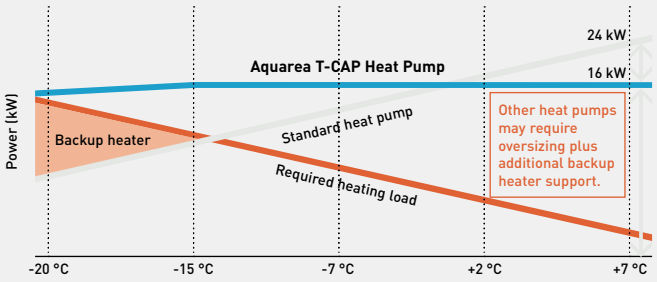
For retrofit and new builds, the ideal solution for those installations where the output capacity is demanding.
The entire Aquarea T-CAP line-up is excellent for replacing gas or oil boilers and for connecting to new underfloor heating, radiators or fan coil units.
Aquarea T-CAP can maintain the rated heating capacity even at -20 °C [1] outdoor temperature, without requiring an electrical heater. This makes it an ideal solution for locations with extremely low temperatures

1) At 35 °C flow temperature.

Aquarea T-CAP, high performance whatever the climate

With Aquarea T-CAP technology, Panasonic heat pumps can work in outdoor temperatures as low as -28 °C and maintain capacity without backup heating at -20 °C*.

* At 35 °C flow temperature.



How Aquarea T-CAP K Series maintains performance even at -20 °C outdoors

A patent has been obtained for technology that can maintain heating capacity even in low outdoor temperatures through optimal control that comes from incorporating dual-piped heat exchanger into the refrigeration cycle.

Dual-piped heat exchanger.
Low pressure and low-temperature refrigerant in the inner pipe.

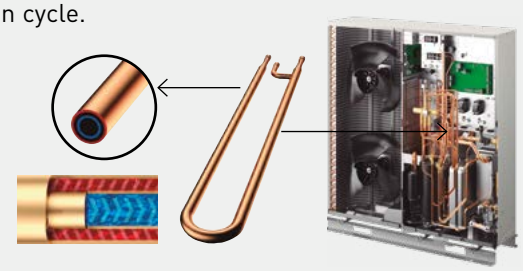


Image of the Aquarea T-CAP J Series Mono-bloc.

Aquarea EcoFleX

2-in-1 - Sustainable and efficient comfort all year long.

Aquarea EcoFleX is a groundbreaking heat pump that connects an air ducted unit with nanoe™ X technology providing heat recovery hot water, space heating, space cooling and cleaner air. Outstanding efficiency and energy savings with low CO_2 emissions.

Heating, cooling and domestic hot water systems for a green future.

With Aquarea Heat Pump the heat energy is taken from the ambient air.
One outdoor unit for synchronous air to air and air to water supply.

Multi solution.

Trendy air to water + DX value added solution, featuring bi-heating (simultaneous air heating and DHW or heating), heat recovery function (re-use wasted heat from the outdoor unit for DHW production) and Non-stop heating (air heating runs continuously even in defrost operation).

Compact design.

Ideal for installations with limited spaces.
The compact outdoor unit can supply both air conditioning and hot water at the same time.
The Tank fits beautifully in any kitchen, small laundry space, or any other desired area.
No need for gas supply.

Smart convenience.

Energy savings, comfort and control from anywhere. Aquarea EcoFleX is equipped standard with Wi-Fi to enable smart control and energy consumption monitoring, using Aquarea Smart Cloud.

nanoe™ X technology to improve protection 24/7.

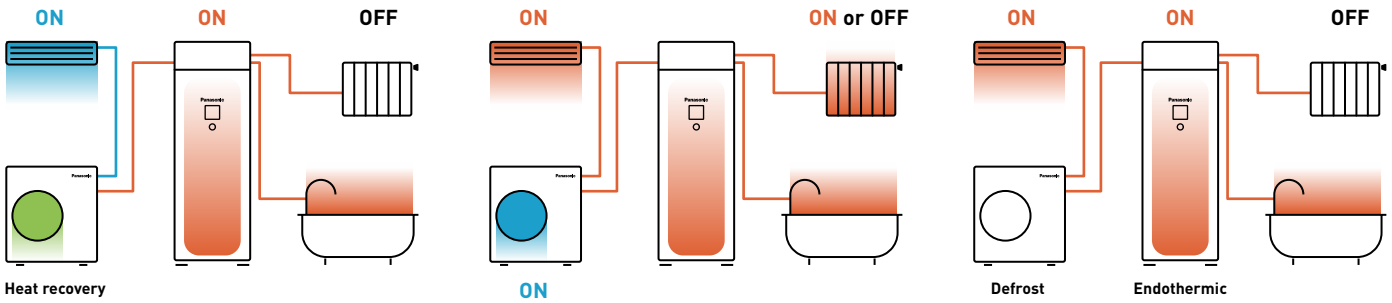
This advanced technology utilises hydroxyl radicals (also known as OH radicals), which inhibit the growth of certain pollutants such as allergens, bacteria, viruses, moulds, odours, and certain hazardous substances.

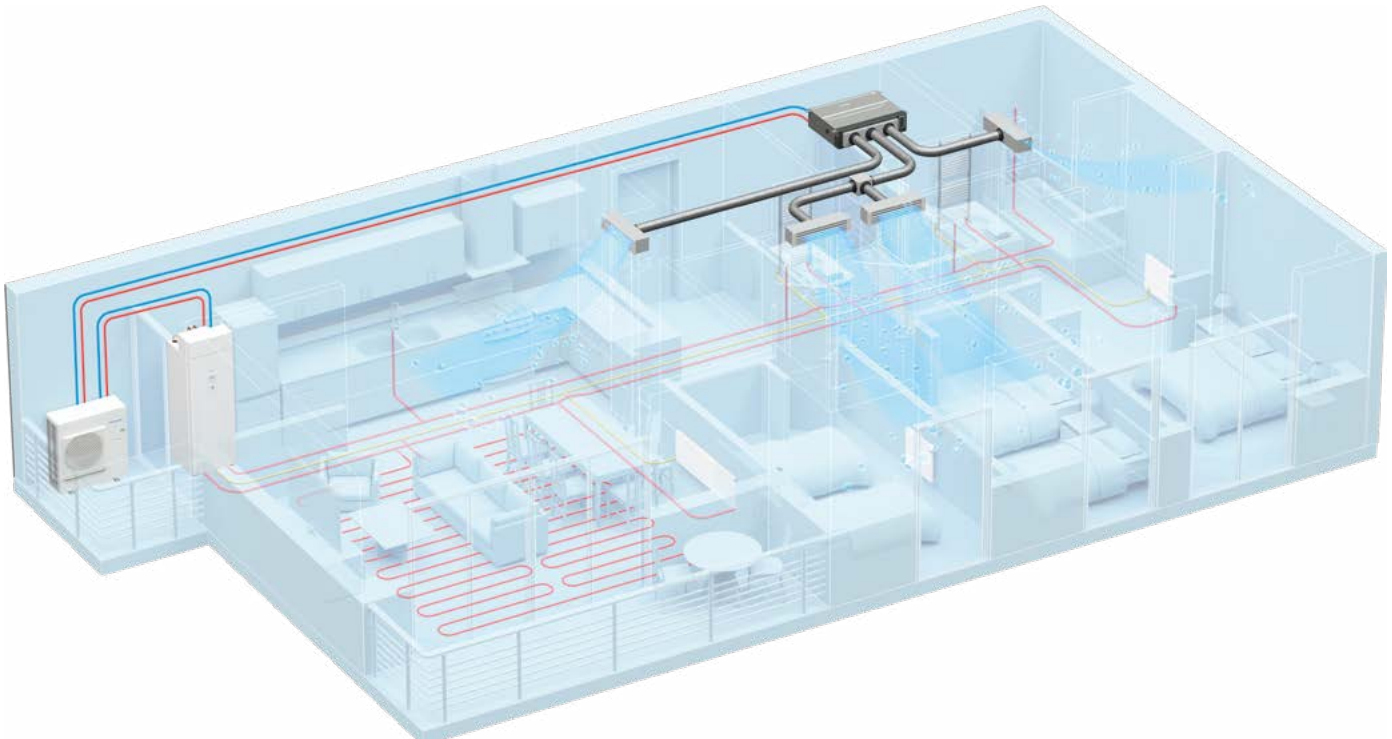
Unique technology that drives the system

Heat recovery.
Cooling (air to air) + DHW (air to water).
Heat exchange that took place in outdoor unit now is carried out in the water heater.

Bi-heating.
Heating (air to air) + Heating (air to water) or DHW.
Heat from the compressor is supplied for heating and DHW simultaneously.

Non-stop heating.
Heating (air to air) continuous operation.
Use heat from tank to defrost and heat simultaneously.





Aquarea EcoFleX.
Air to water

Tank unit + heat exchanger box to produce domestic hot water and space heating using radiators or floor heating.

Fits beautifully in any kitchen, small laundry space, or any other desired area

Kitchen.

Laundry space.

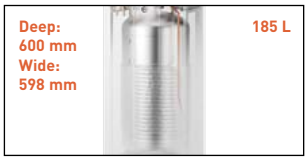
The same depth as a regular refrigerator/washing machine.

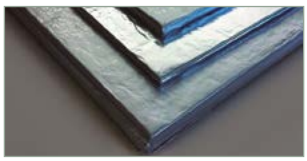
Deep: 600 mm
Wide: 598 mm

Deep: 600 mm
Wide: 600 mm

Deep: 600 mm
Wide: 600 mm

Compact, yet easy to maintain





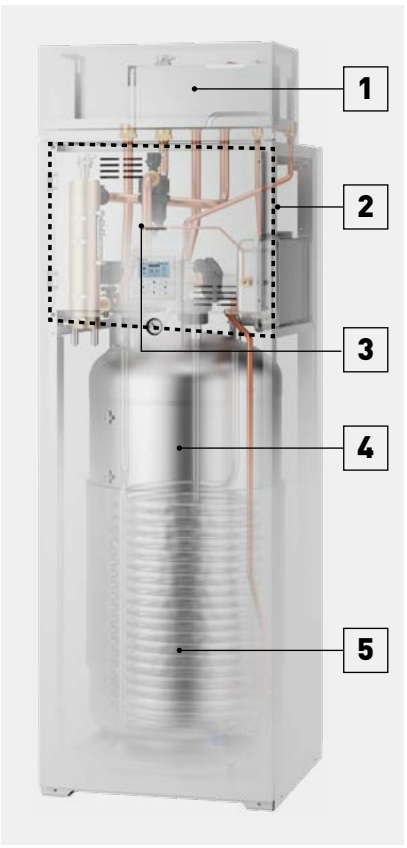
1 | Heat exchanger box structure to mitigate R32 refrigerant restrictions, flexible installation.
Water heat exchanger is designed above the top plate to comply with installation area regulation for products using large amounts of R32 refrigerant.

2 | Maintained serviceability.
· Easy maintenance concept
· Access to hydraulic parts thanks to door opening mechanism
· No buffer tank required, reducing space, cost and installation time

3 | Improved water filter for less maintenance.
Superior dust removal capacity of the water filter. Less frequent filter cleaning means more convenience.

4 | Slim indoor unit with big tank capacity.
Built-in 185 L water tank in a slim W 598 x D 600 mm indoor unit housing.

5 | U-Vacua insulation technology.
Panasonic U-Vacua™ is a high performance vacuum insulation panel with very low thermal conductivity, that performs about 19 times better than standard urethane foam.



Aquarea EcoFleX. Air heating or cooling and cleaner air

Aquarea EcoFleX ducted unit has been designed to provide better comfort and flexibility.

SEE PRODUCT SPECIFICATIONS

Superior air quality

Standard equipped with nanoe™ X, a unique technology that cleans indoor air.

nanoe™X

Ideal for living spaces

- Static pressure level: 10 - 150 Pa
- Compact body: Only 250 mm high
- Smart control ready via CONEX
- Rated up to SEER / SCOP class A+/A
- Low noise operation (34 dB(A)) using an improved fan casing
- DC fan motor, built-in drain pump

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.

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.

REFER TO PAGE 14 FOR MORE DETAILS AND VALIDATION DATA

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.

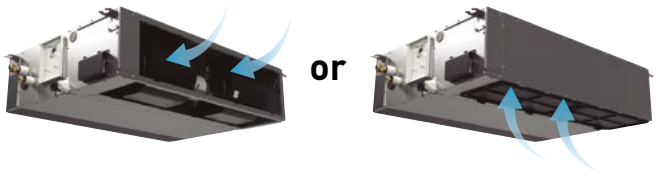
nanoe™X Improving Protection 24/7

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.

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.



Compact body

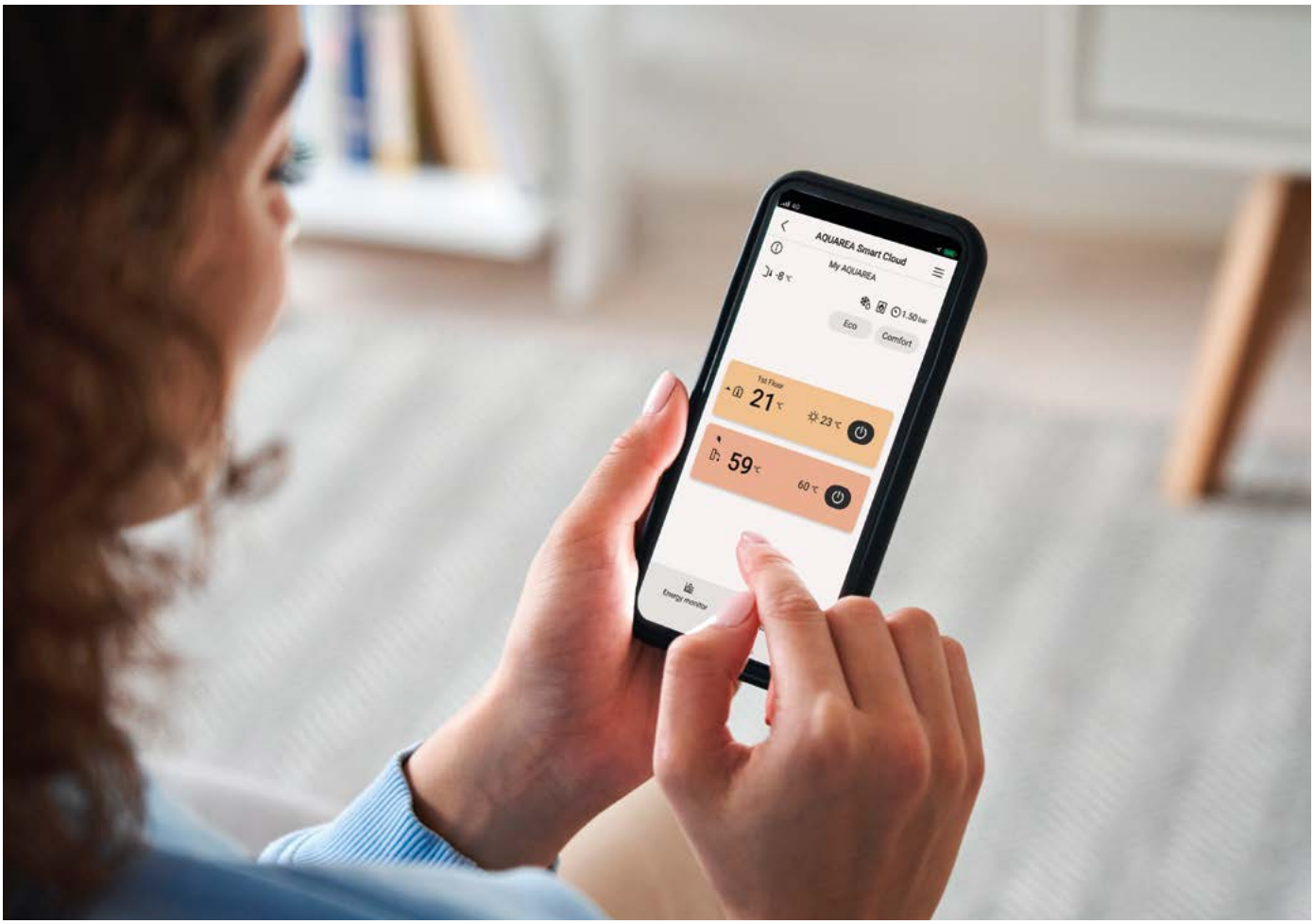
- Only 250 mm high
- Light units from 25 to 39 kg

Conventional model	33 kg	290 mm
Ducted unit	**30 kg**	**250 mm**

Ducted unit

Smart Solutions for Aquarea systems

Panasonic provides a comprehensive range of smart solutions for managing heating, cooling, and domestic hot water installations with Aquarea Heat Pumps.
Each app features advanced functionality, user-friendly interfaces, and seamless connectivity, providing complete control and optimization of Aquarea systems.



With multiple apps designed to meet a variety of requirements, the optimal solution can be chosen based on the specific needs of the project—whether it's achieving greater energy savings, enhancing comfort, or ensuring peace of mind with remote maintenance by a service partner.

Compare Aquarea Smart Solutions	Comfort Cloud	Aquarea Home	tado°
	Panasonic Comfort Cloud App	**Aquarea Home App**	**tado°**
Aquarea Heat Pump management	✔ Requires Cloud adapter CZ-TAW1B/ CZ-TAW1C. Included with Aquarea L, M Series and EcoFleX.	✔ Requires Home Network Hub PCZ-ESW737.	✔ Requires Heat Pump Optimizer X PAW-THPOXE.
Remote maintenance via Aquarea Service Cloud	✔	–	–
Room control	✔ 1 or 2 heating zones control	✔ Aquarea Air Smart fan coils Aquarea Loop Aquarea Vent RAC Solo Requires remote control with Wi-Fi or Home Network Hub PCZ-ESW737.	✔ Radiators Underfloor heating Requires tado° Room control devices and Heat Pump Optimizer X or Bridge X.

New Aquarea Home App, seamless control of all Aquarea room solutions

Introducing the Aquarea Home App: Effortlessly manage the Aquarea room solutions anytime, anywhere, 24/7.

Aquarea Home

The Aquarea Home App enables seamless control and monitoring of the Aquarea room solutions through an intuitive, user-friendly interface

The app provides centralised management of Aquarea Air Smart fan coils, Aquarea Loop, RAC Solo and Aquarea Vent ranges using a smartphone or tablet. It can also integrate Aquarea Heat Pumps, allowing complete control of the entire heating and cooling system, all from a single app [1].

Centralised remote control.
Manage all your Aquarea systems from one app.

Further energy savings.
Control individual rooms or zones.

Weekly timer.
Calendar system for all home devices.

User-friendly interface.
Easily manage home comfort.

Comfort management, anytime, anywhere.

- **Home and room management**
- **Device settings**
- **Scheduling**

Requirements for connecting with Aquarea Home App

1 | Compatible devices (see list)
2 | In-house WLAN or Wi-Fi internet connection
3 | Smartphone or tablet with internet connection

Compatible devices:
· Aquarea Air Smart fan coils (via Wi-Fi or Modbus [1])
· Aquarea Loop (via Wi-Fi or Modbus [1])
· Aquarea Vent (via Wi-Fi or Modbus [1])
· RAC Solo (via Wi-Fi or Modbus [1])
· Aquarea Heat Pumps (require connection of the Home Network Hub PCZ-ESW737 via the CN-CNT port)

1) Aquarea room solutions a remote control with Wi-Fi connection or Aquarea Home Network Hub PCZ-ESW737. Aquarea Heat Pumps require PCZ-ESW737 connected to the CN-CNT port.

Download free app: Aquarea Home App.
Other hardware requirements: Router and Internet (purchase and subscribe separately). Panasonic Cloud Server is designed, operated and managed by Panasonic.

Aquarea Home

Panasonic Comfort Cloud App

A powerful and intuitive app designed to manage and monitor your Panasonic heat pumps from anywhere, 24/7. With energy monitoring features, it helps reduce operational costs while ensuring your desired comfort.

* Requires Wi-Fi adapter CZ-TAW1B or CZ-TAW1C.

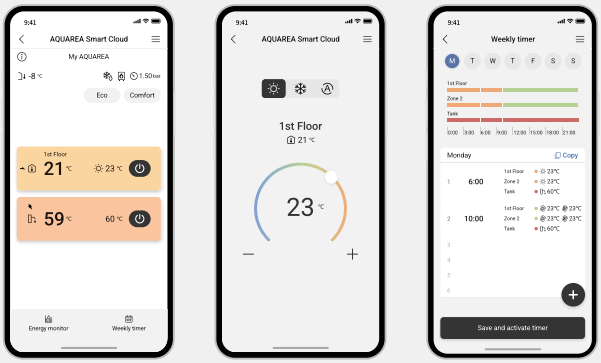
Comfort Cloud

Remote control.	Weekly timer.	Monitor energy consumption.	Enables Aquarea Service Cloud for remote maintenance.

Comfort management, anytime, anywhere.

Easily control heating, cooling, and DHW settings through an intuitive interface, maximising energy savings and comfort.

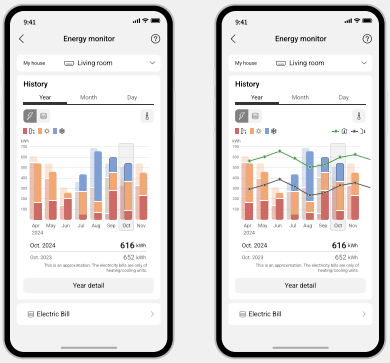
· Control of up to 2 heating zones (ON / OFF, temperature setting, mode selection, DHW setting)
· Optimised scheduling with weekly timer



Easy and powerful energy management.

Monitor and optimise your heat pump's energy usage to balance comfort and efficiency.

· Track energy consumption for space heating, cooling and domestic hot water
· Daily, weekly and yearly energy visualisation monitor energy recovery for domestic hot water production with Aquarea EcoFleX



Further peace of mind.

Ensure your Aquarea Heat Pump is always under control.

· Enables remote maintenance via the Aquarea Service Cloud, managed by service partners
· Notification in case of malfunction

Requirements for connecting with Panasonic Comfort Cloud App

1 | Aquarea H Series or later
2 | Cloud adapter CZ-TAW1, CZ-TAW1B or CZ-TAW1C connected via the CN-CNT port. Included in M and L Series, and EcoFlex. For other series, it needs to be purchased separately.
3 | In-house WLAN or Wi-Fi internet connection
4 | Smartphone or tablet with internet connection

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.

Comfort Cloud

Aquarea Service Cloud

With the Aquarea Service Cloud, installers can remotely take care of their customers' heating systems. It saves time and money and shortens the response time, thus increasing the customers' satisfaction.

WATCH DEMO

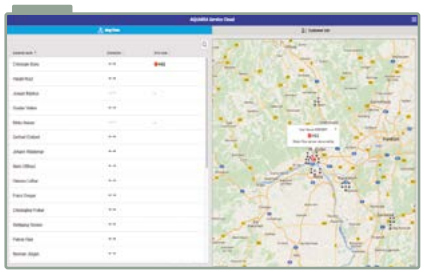
The real remote maintenance made simple: Global view at a glance, heat pump information and settings, error log history and statistics always available.

Time and cost saving.

Remote system adjustment. Remote diagnosis. One visit, spare part in hand.

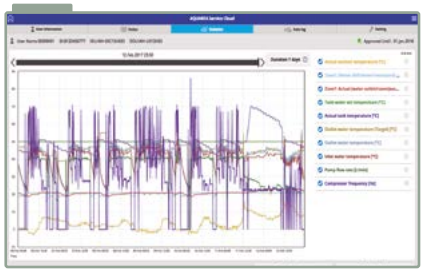
Increased customer satisfaction.

Faster service. Time saving (less number of visits).



Home page.
Status of connected users at a glance. 2 view options: map view or list view.

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

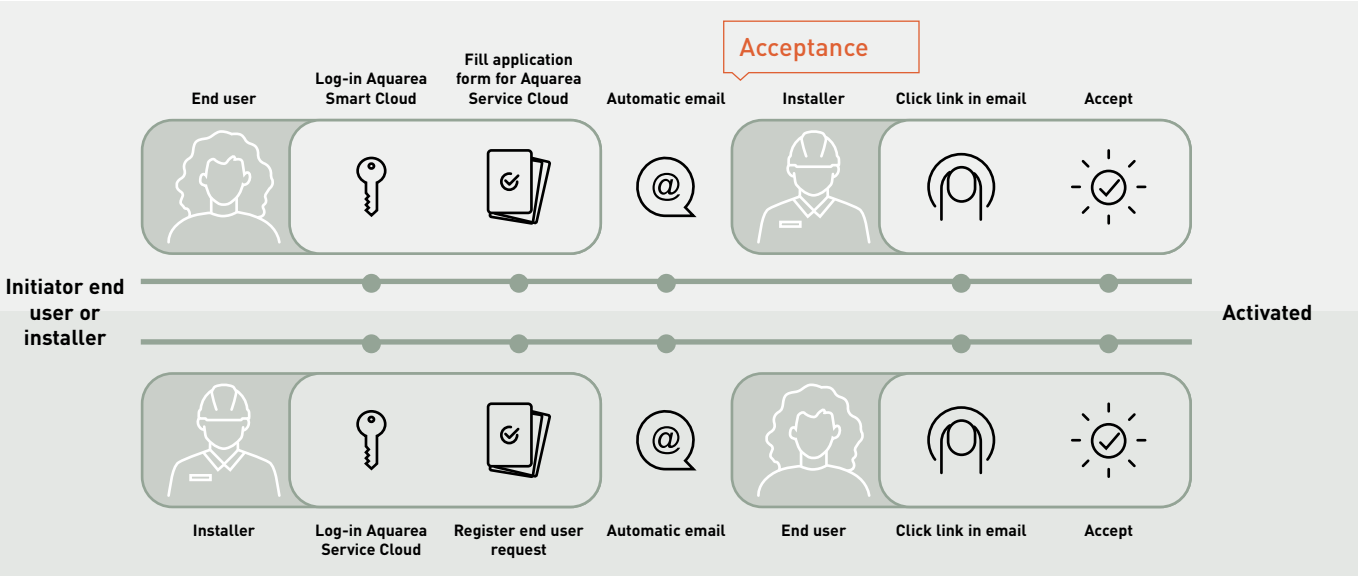


Statistics tab.
Customisable statistics of a maximum of 71 parameters. Available anytime with the information of the last 7 days.

Settings tab.
Most of the user and installer settings can be done remotely.

Connecting an Aquarea heat pump to the Aquarea Service Cloud

The process can be initiated by the end user or by the installer.
The end user can select and change the installer's level of control anytime (4 levels).



Requirements:

1 | End user: Aquarea Heat Pump connected to the Panasonic Comfort Cloud App

2 | Installer/maintenance company: Service ID. Installer registration: https://aquarea-service.panasonic.com/

Aquarea Heat Pumps + tado°, the integrated solution for maximum energy savings and comfort

tado° | Panasonic
Partnership for smart heat pump solutions

tado° X enables room control and smart energy management services.

Easy installation.
Intuitive system selection. Offline installation possible.

Future-proof solution.
Further efficiency gains via planned software updates.

Advanced energy savings.
With the individual room temperature control.

Reliable and trustworthy.
Guaranteed and optimised interoperability.

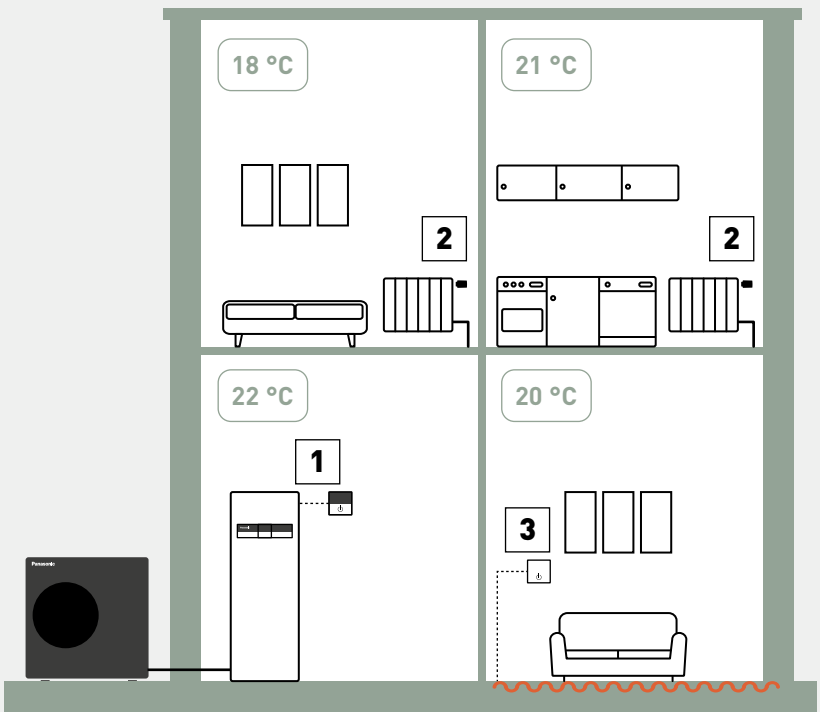
A smart solution for maintaining the perfect temperature in your home.

matter
BUILT ON THREAD

1

tado° Heat Pump Optimizer X.
Connecting to Aquarea Heat Pumps and enabling multi-room control and loadshifting.

tado° app and Balance for Heat Pumps*.
Multi-Room Control, scheduling and energy insights in one market leading app.
* Requires additional subscription.



2

tado° Smart Radiator Thermostat X.
For radiator control.

3

tado° Wired Smart Thermostat X.
For underfloor heating control.

Save energy with smart heating.

By joining forces, Panasonic and tado° are developing specially tailored auto-control software and new services for Panasonic's Aquarea air to water heat pumps, which provides a variety of customers with differentiating values such as further comfort and energy savings.

MORE TADO° OPTIONS IN ACCESSORIES SECTION

tado° X at a glance.

tado° Heat Pump Optimizer X and Balance for Heat Pumps.

Intelligent heating control optimised for Aquarea Heat Pumps, reducing energy use while optimizing comfort. When paired with Smart Thermostats, the heat pump synchronises with each room's needs.
The optional Balance subscription maximizes savings by unlocking additional optimisations based on outdoor temperatures, dynamic energy tariffs, and your private PV system.

tado° Room Control.

Save energy, save money, and stay comfortable everywhere.
tado° Smart Thermostats simply replace the radiator thermostats or wall thermostats in your home and let you control your heating room by room in one easy-to-use app. Set individual schedules to suit your routines while saving energy by allowing direct feedback from the single rooms to your heat pump. No more overshooting, no more wasting energy.

1) Requires the tado° Heat Pump Optimizer X, the tado° Bridge X or another Thread border router.
2) Not required with a Heat Pump Optimizer X or another Thread border router.

tado° Room control sets with Heat Pump Optimizer X	
KIT-TSRTXHP0XE	Set of tado° Heat Pump Optimizer X and 1x Smart Radiator Thermostat X
KIT-TSRTX4HP0XE	Set of tado° Heat Pump Optimizer X and 4x tado° Smart Radiator Thermostat X
KIT-TSTXHP0XE	Set of tado° Heat Pump Optimizer X and 1x Smart Thermostat X
KIT-TSTXSRTX2HP0XE	Set of tado° Heat Pump Optimizer X and 1x Smart Thermostat X and 2x Smart Radiator Thermostat X

tado° Room control sets with Bridge X	
PAW-TSRTXB	tado° Smart Radiator Thermostat X with Bridge X
PAW-TSTXB	tado° Smart Thermostat X with Bridge X
PAW-TSTXSRTX2B	Set of 1x Smart Thermostat X, 2x Smart Radiator Thermostat X and 1x Bridge X
tado° X devices	
PAW-THP0XE	tado° Heat Pump Optimizer X (with Europlug)
PAW-TSTX	tado° Smart Thermostat X
PAW-TSRTX	tado° Smart Radiator Thermostat X
PAW-TSRTX4	4x tado° Smart Radiator Thermostat X
PAW-TWTSX	tado° Wireless Temperature Sensor X
PAW-TBX	tado° Bridge X

The tado° app.

Intuitive smart heating technology with Geofencing, Open Window Detection, Multi-Room Control, and offline Smart Schedules. Subscription to additional services, such as Balance for Heat Pumps or tado° Auto-Assist, is available for further energy savings and enhanced transparency over energy consumption.

12-month free subscription to Balance for Heat Pumps*.

* With the purchase of PAW-THP0XE or PAW-THP0XUK. This promotion is subject to change without notice.

works with Google Home
Works with Apple Home
works with alexa

Download on the App Store
GET IT ON Google Play

Control for Aquarea Heat Pumps

Aquarea Heat Pumps offer a variety of control options.

Advanced remote controller

Aquarea remote controller is designed in harmony with the whole system, with optimised user interface and improved features.
The remote controller can be removed from the indoor unit and installed in the living room.

K, L and M Series remote controller.
Dual controller system: A dual controller system for independent control of two zones within the home (requires additional remote controller CZ-RTW2 for M Series or CZ-RTW1 for K and L Series).

	K, L and M Series				H and J Series	
	Main controller		Sub controller		Main controller	
Quick menu	✔		✔		✔	
User menu	✔		✔		✔	
Installer / custom menu	✔		–		✔	
Maintenance menu	✔		–		✔	
Error reset	✔		✔		✔	
Internal thermostat	✔ Zone 1	✔ Zone 2	✔ Zone 1	✔ Zone 2	✔ Zone 1	✔ Zone 2

Installer functions:
System setup, operation setup (including heating / cooling modes, ΔT setup), dry concrete mode and cost-effective bivalent mode*, among others.

End user functions:
Mode selection (including auto, powerful and quiet modes), weekly timer and energy monitoring,among others.

* Only for K, L and M Series.

PCBs for additional functions

CZ-NS4P: H and J Series.
CZ-NS5P: K and L Series.
CZ-NS6P: M Series All in One and Bi-bloc.
CZ-NS7P: M Series control module.
The optional PCB enables additional control functions for Aquarea Heat Pumps.
Functions available through the connection of the Optional PCB to the Main PCB:
· 2-zone control, with 2 mixing valves, 2 pumps and 2 room thermostats or sensors
· Control of swimming pool
· Solar thermal control
· External error signal output
· 0-10 V signal for heat pump demand control
· SG Ready [1)]
· Stop compressor by external compressor switch
· Switch heating and cooling by external heat-cool switch

1) Aquarea H and J Series heat pumps in combination with the optional PCB CZ-NSP4 hold the SG Ready Label (Smart Grid Ready Label), given by Bundesverband Warmepumpe (German Heat Pump Association). This Label shows the real capacity of Aquarea to be connected in an intelligent grid control.

Connectivity

Home Management Systems allow centralized control of all house devices, optimizing operation and costs. Panasonic interfaces support KNX and Modbus protocols. For non-integrated control, Panasonic offers a simple connection to wireless LAN, enabling remote control of heat pumps.

Control by BMS

Modbus: PAW-AW-MBS-H [1] (Intesis) and PAW-AZAW-MBS-M (Airzone).
KNX: PAW-AW-KNX-H [1] (Intesis) and PAW-AZAW-KNX-1 (Airzone).
Great flexibility for integration into your KNX / Modbus projects allows fully bi-directional monitoring and control of all the functioning parameters.

- Quick installation
- Direct connection to the unit via CN-CNT connector
- Bidirectional control
- Unit can be controller simultaneously by remote controller and the gateway
- Compatible with H Series onwards
- PAW-AW-MBS-H and PAW-AW-KNX-H don't require external power supply

1) Compatible with H and J Series. * For specific functionality list of each gateway, please check the user's manual.

NEW Modbus PCB for Aquarea M Series

CZ-NSMB
The Modbus PCB can be installed in Aquarea M Series units for seamless connectivity.
Compatible with:

- Bi-bloc M Series indoor units: WH-SDC0916M3E5, WH-SDC0916M6E5 and WH-SDC0316M9E8
- Control Module M Series: WH-CME8 and WH-CME8L
- Big Aquarea T-CAP M Series outdoor unit: WH-WXG20ME8, WH-WXG25ME8 and WH-WXG30ME8

External meter gateway

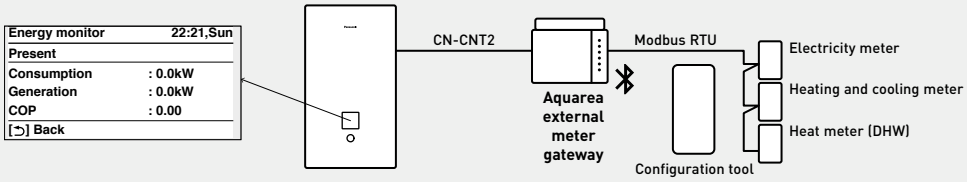
PAW-A2W-EXTMETER

- Energy consumption and production from external Modbus RTU meters
- Real values visualized via Aquarea remote controller and Aquarea Smart Cloud
- Compatible with Aquarea K Series onwards

Possibility to mix internal calculation and external meters			
Configuration	**Electricity meter (HP)**	**Heat meter (heating and cooling)**	**Heat meter (DHW)**
Only external meters	External	External	External
Only external consumption meter	External	Internal calculation	Internal calculation
Only external production meters (2 meters)	Internal calculation	External	External
Only external production meter (single meter for total production)	Internal calculation	External	Internal calculation

Functions:

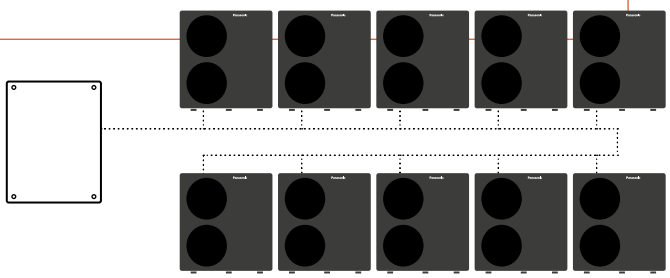
- Configuration via App (iOS and Android™) using Bluetooth®
- Easy to setup thanks to templates for some meters manufacturers
- Configuration can be done before and just send it on commissioning



Cascade manager

Designed for central heating projects, small hotels, supermarkets and restaurants, the cascade manager manages the demand for energy-efficient heating and cooling balancing working hours.

Up to 10 heat pumps (up to 300 kW)



- Cascade up to 10 units
- Heating and cooling control
- Domestic hot water (DHW) control
- Management up to 75 °C (L or M Series)
- Provides total energy consumption and generation
- All components in one case
- BMS integration

New cascade manager

PAW-A2W-CMH-3
Cascade up to 10 heat pumps, getting up to 300 kW, with a large, easy-to-use touch screen display, providing intuitive control.
· Photovoltaics integration (PV optimised algorithm)
· Control of 3 way valves for cooling (2 buffer tanks)
· Heating/cooling 0-10 V demand signal – controls target outlet temperature
· Energy meters compatibility
  - Meters communication with Modbus RTU
  - Pre-configuration of 4 market popular meters
· BMS integration via Modbus TCP
· Working mode: entire system in heating/cooling or DHW by priority

Compatible with Aquarea Heat Pumps from H Series onwards [1].

1) Requires 1 CZ-NSMB or 1 PAW-AZAW-MBS-M per each Aquarea Heat Pump.

New Aquarea Cascade Edge

PAW-A2W-CME4 and PAW-A2W-CME10
Cascade up to 4 or 10 Aquarea Heat Pumps, also in combination with ECOi-W AQUA chillers and heat pumps, and get up to 750 kW [1]. Remotely control your units with a local web visualization via smartphone, tablet or PC.
· Local web visualization of the cascade controller
· Easy connection with smartphone, tablet or PC thanks to the Wi-Fi access point on the device
· 2 possible online management solutions:
  - P-Smart Nexus: easy access and global visualization of all your sites
  - Via customer VPN or MyDNS configuration
· Data ownership thanks to local data storage (no cloud storage)
· BMS Integration via BACnet IP
· Smaller buffer tank or smaller capacity unit thanks to 2 possible logic working modes
  - Possibility to combine all the heat pumps between heating/cooling and DHW, providing both simultaneously
  - Entire system in heating/cooling or DHW by priority
· Configuration wizard with default values

Compatible with Aquarea Heat Pumps from H Series onwards [2].

1) Maximum capacity combining 1 Aquarea (main) + 9 ECOi-W AQUA-G BLUE 80 kW (sub unit). 2) Requires 1 CZ-NSMB or 1 PAW-AZAW-MBS-M per each Aquarea Heat Pump.

	PAW-A2W-CMH-3	PAW-A2W-CME4	PAW-A2W-CME10
Cascade up to number of heat pumps	Up to 10	Up to 4	Up to 10
Management of heat demand, balancing working hours	✔	✔	✔
Integration of photovoltaics (PV optimised algorithm)	✔	–	–
Connectable buffer tank	2 tanks	1 tank	1 tank
Heating/cooling 0-10 V demand signal	✔	–	–
BMS integration	Modbus TCP	BACnet IP	BACnet IP
Built-in touch screen display	✔	–	–
Management via smartphone, tablet or PC	–	✔	✔
Remote monitoring via P-Smart Edge	–	✔	✔
Multi-site control via P-Smart Nexus	–	✔	✔
Data statistics visualization	–	✔	✔

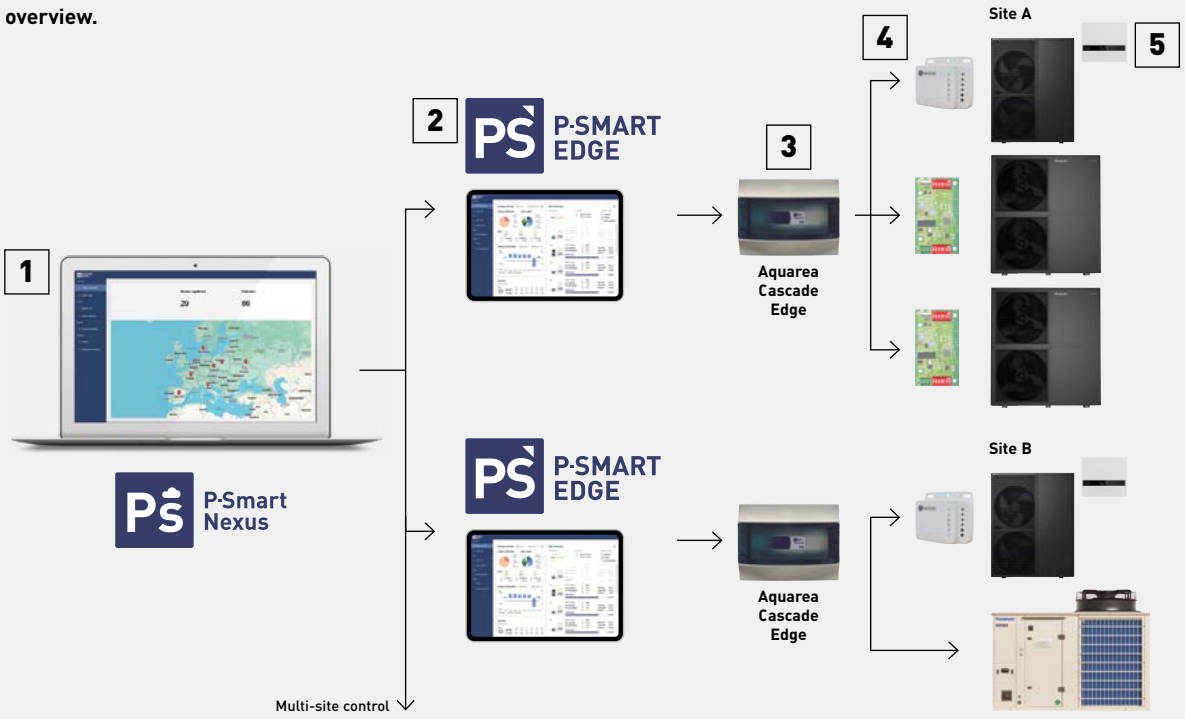
P-Smart Edge for Aquarea Cascade Edge

Complete and remote centralized control of your Aquarea cascade system.

P-SMART EDGE

P-Smart Edge.
Control and monitoring solution for Aquarea cascade systems wherever you are. In a simple click, configure and receive status updates of all your units.

System overview.



P-Smart Nexus.
Smart multi-site control which allows a remote global supervision of all your sites. Control your different installations wherever you are, with easy on-site network setup.

P-Smart Edge.
Control and monitoring solution for Aquarea cascade systems, even outside your installation site.

Aquarea Cascade Edge.
PAW-A2W-CME4 and PAW-A2W-CME10.

Modbus interface.
Requires 1 CZ-NSMB or 1 PAW-AZAW-MBS-M per each Aquarea Heat Pump.

Aquarea cascade system.
Main unit: control module or Bi-bloc mandatory + optional PCB.
Sub units: remote controller needed. Possibility of combination with other Panasonic commercial products (ECOi-W AQUA chillers and heat pumps).

*** Check availability for chiller connection.**

Advantages

Powerful remote management with user-friendly interface.
- Simple and intuitive home screen with: Plant overview, energy overview, DHW status and buffer and zone list
- Alarm status and history
- 3 different user profiles: facility manager, installer and maintenance
- Online visualization, no installation of any specific software is required

Remote configuration of the technical parameters.
Possible configuration of:
- Installation settings
- Sterilisation configuration (schedule)
- Outdoor units silence mode (schedule)
- Bivalent
- SG Ready
- COP ranking

Historical system data.
- Graphs and data showing the energy overview related to periods of 7 days or 8 hours
- Data stored for up to 2 years

P-Smart Nexus: smart multi-site remote management.
- Remote global supervision of all your sites in one place
- 24/7 control of all the installations
- Easy connection to Aquarea Cascade Edge without special on-site network setup
- 3-year subscription from the start-up included
- Online visualization, no installation of any specific software is required

Note: User interface design may vary.

How Panasonic contributes to Nearly Zero Energy Buildings (nZEB)

Our expertise gained over the years has helped to launch a range of products that contribute to a more carbon-free society.

Panasonic is committed to develop products with greater energy efficiency.
Highly efficient Panasonic solutions can help to significantly reduce the energy consumption of the house, at the same time a high level of comfort and good indoor air quality are kept.

- Aquarea High performance heat pump for heating, cooling and domestic hot water production
- Aquarea Smart Cloud, for energy monitoring
- Heat recovery ventilation system
- PV panels to produce renewable energy on-site

Aquarea Heat Pumps and the ventilation unit with heat recovery certified as Passive House Component

Aquarea High Performance K and L Series heat pumps and the residential ventilation units have been certified by the Passive House Institute (PHI) as Passive House Component. This certification ensures highly energy efficient components according to international criteria for respective thermal performance, comfort and indoor air quality.

Certified models can be checked under the certification section of https://database.passivehouse.com.

CERTIFIED COMPONENT Passive House Institute

cool, temperate climate
CERTIFIED COMPONENT Passive House Institute

H3 Grande Passive House, Poland.
When looking for a energy-efficient heating solution, Polish construction company Procyon selected a 5 kW Panasonic Aquarea High Performance heat pump for its passive house project, H3 Grande. Procyon found this solution reduced annual heating expenses by almost half compared to an oil-based system, or by 10% in comparison to natural gas.
H3 Grande is a 175 m² detached house certified by the Passive House Institute (PHI) in Darmstadt. It is designed to minimise energy losses while incorporating an attractive, yet simple aesthetic. The building's shape, interior design and pitched roof contribute to the energy balance of the house, while large south-facing windows and wall insulation provide passive thermal comfort by retaining heat. The building has very low heating demand of approximately 15 W/m² and is designed to minimise energy.

Aquarea and PV integration

Aquarea Heat Pumps are designed with the future in mind.
Thanks to the integration of the Aquarea Heat Pumps with PV, the demand or power consumption for heating, cooling and domestic hot water production is adapted to the PV production.

Savings on heat pump running costs.

Reduced primary energy consumption.

Lower CO_2 emissions.

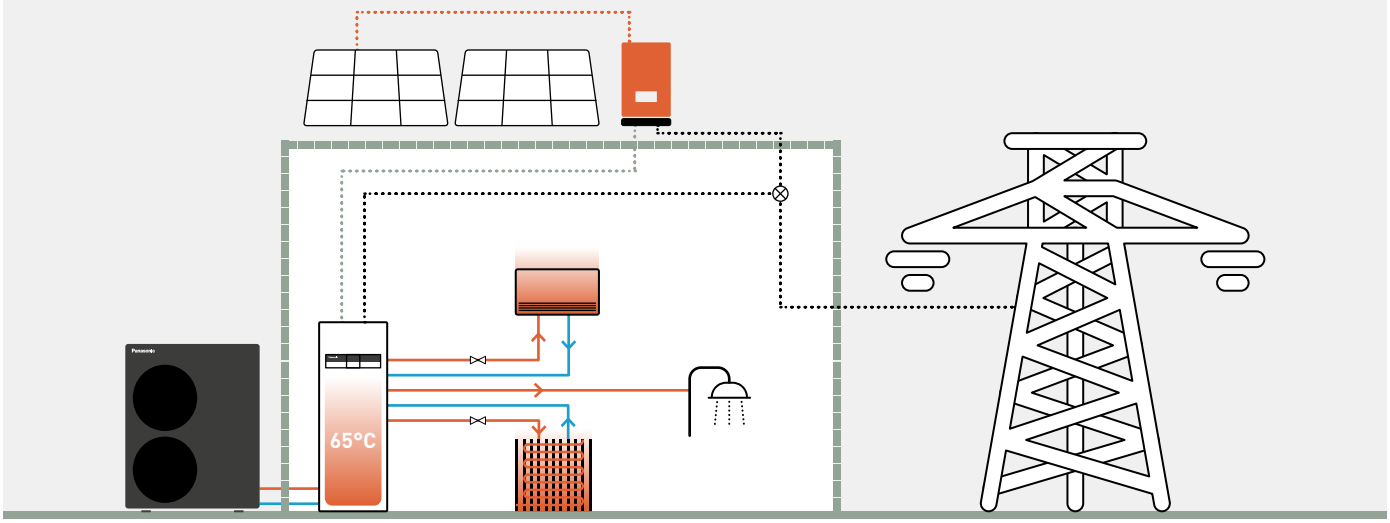
Maximised comfort.

Aquarea Heat Pumps can be integrated with PV thanks to the optional PCB [1)]

With the SG Ready function, the Aquarea Heat Pumps will be able to store thermal energy during periods where the electricity produced is higher than the demand in the house. These are some examples:

1. Store DHW at higher temperature. Aquarea M and L Series can produce DHW at 65 °C up to 40% more tap water
2. Heat or cool the house to maintain a comfortable temperature continuously. This requires less energy during the off-peak production hours
3. Store thermal energy in a buffer tank

1) CZ-NS*P. Check the model reference by Series in the control for Aquarea Heat Pumps section.

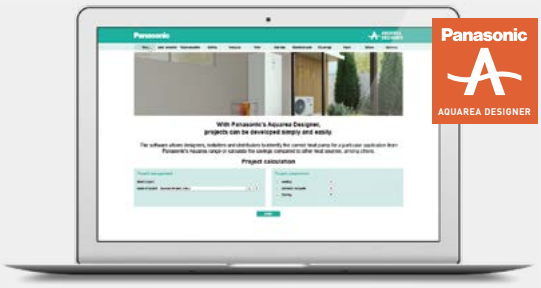


Turning a family home into an energy-neutral house. Installer Sinne Technyk chose the Aquarea T-CAP heat pump in combination with HIT KURO photovoltaic panels for a house in Oudemirdum in Friesland, the Netherlands. With this combination, the household enjoys energy-neutral and free heating and hot water, as well as a more comfortable indoor climate. “The aim was to create an energy-neutral house and to reduce gas consumption to zero,” explains Leo van der Molen of Sinne Technyk. “This makes a heat pump an interesting option”. With the comfort of customers and neighbours in mind, a silent Aquarea T-CAP heat pump was chosen, powered by 24 Panasonic HIT KURO solar panels of 325 Wp each.

Aquarea design tools to make your life easier

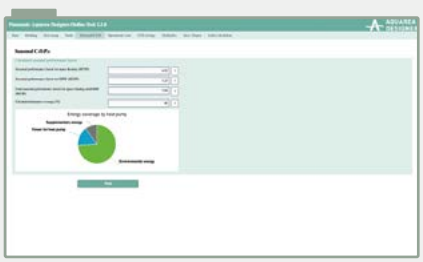
Discover the suite of Aquarea design tools crafted to streamline your professional workflow on Aquarea projects. These resources are designed to make your planning process more efficient and effective.

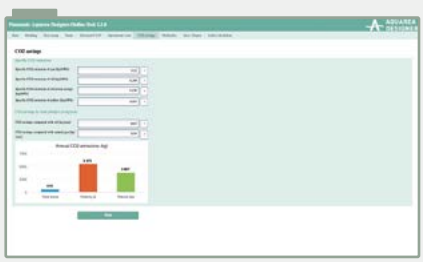
Aquarea Designer – online tool



With Panasonic's Aquarea Designer - online tool, projects can be developed simply and easily. The newly developed air to water design tool is optimised to help HVAC professionals easily identify the most appropriate Aquarea air-to-water heat pump for a particular application, to calculate the savings compared to other heat sources and to calculate CO_2 emissions very quickly.
The system can produce a Heat Pump Design Report which includes:

- Customer and general project information
- Heating system specific data
- Heat pump dimensioning, including information about the chosen Panasonic heat pump
- Calculated energy demand and performance factors
- CO_2 savings by the different energy sources
- Comparison of yearly operational or economic costs (optional)





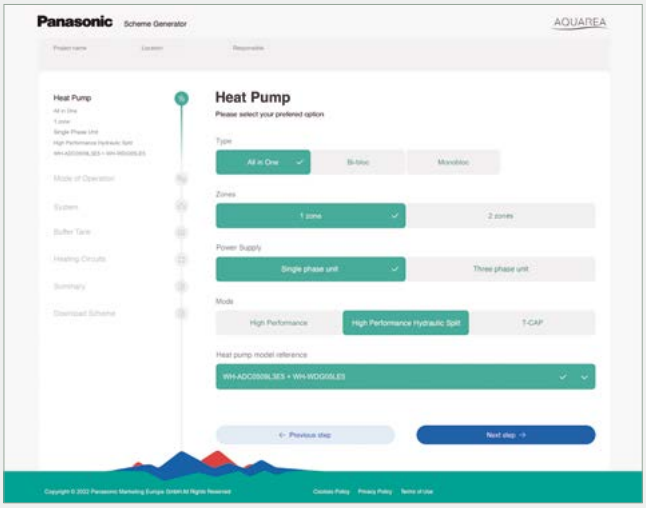
All the support tools are available in Panasonic PRO Club (www.panasonicproclub.com).

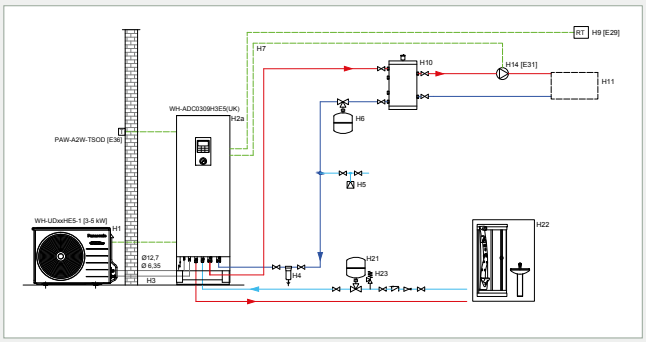
Among many others, these are the main tools for the design of Aquarea projects.

PRO Club

Hydraulic scheme generator

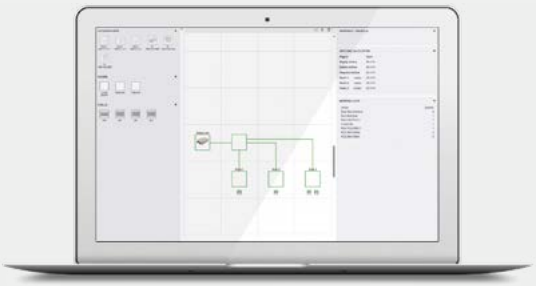
The Aquarea Hydraulic Scheme Generator (HSG) allows users to select a hydraulic schematic according to their installation requirements. This will be accompanied by the relevant electrical connection schematic and component list.
The latest features and upgrades include:
· A modern user interface
· Accessory model choice selection
· Expanded buffer tank options
· Additional refrigerant and hydraulic specification details





Vent PRO

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



Heating demand calculator

This software can quickly and easily determine the heating requirements for the rooms in a project. The Heating demand calculator will help determine approximately how much power is needed to heat each room individually. The result in kilowatts will help you choose the space heater best suited to your needs.

CAD images and spec texts

In order to add value in the design of projects, Panasonic has a wide library of 2D CAD, BIM objects (Building Information Modeling) and Spec texts to be used in Revit.

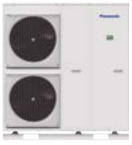
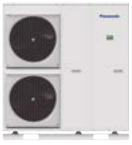
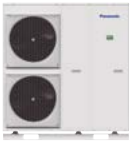
Try the new Panasonic Augmented Reality projector.

Helping you to find the Aquarea Heat Pumps for your home in just a few clicks!

Aquarea Hydraulic

Aquarea High Performance		5 kW	7 kW	9 kW	12 kW	16 kW
P. 70 , 72	R290 All in One · R290 1ph - 3ph	 NEW WH-ADC0509L3E51 [1] WH-ADC0509L3E5AN1 [1] WH-ADC0509L3E5 [3] WH-ADC0509L3E5B WH-ADC0509L3E5AN [3] WH-WDG05LE5	 NEW WH-ADC0509L3E51 [1] WH-ADC0509L3E5AN1 [1] WH-ADC0509L3E5 [3] WH-ADC0509L3E5B WH-ADC0509L3E5AN [3] WH-WDG07LE5	 NEW WH-ADC0509L3E51 [1] WH-ADC0509L3E5AN1 [1] WH-ADC0509L3E5 [3] WH-ADC0509L3E5B WH-ADC0509L3E5AN [3] WH-WDG09LE5	 NEW WH-ADC0916M3E51 [2] WH-ADC0916M3E5AN1 [2] WH-ADC0916M3E52 [3] WH-ADC0916M3E5AN2 WH-ADC0916M3E53 [3] WH-ADC0916M3E5AN3 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 WH-WDG12ME5 [2]	 NEW WH-ADC0916M3E51 [2] WH-ADC0916M3E5AN1 [2] WH-ADC0916M3E52 [3] WH-ADC0916M3E5AN2 WH-ADC0916M3E53 [3] WH-ADC0916M3E5AN3 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 WH-WDG16ME5 [2]
P. 70 , 72	R290 Bi-bloc · R290 1ph - 3ph	 WH-SDC0509L3E5 [3] WH-WDG05LE5	 WH-SDC0509L3E5 [3] WH-WDG07LE5	 WH-SDC0509L3E5 [3] WH-WDG09LE5	 NEW WH-SDC0916M3E5 [1] [3] WH-SDC0316M9E8 WH-WDG12ME5 [2]	 NEW WH-SDC0916M3E5 [1] [3] WH-SDC0316M9E8 WH-WDG16ME5 [2]
P. 72	R290 Control module · R290 1ph - 3ph				 NEW WH-CME5 WH-CME8 WH-WDG12ME5 [2]	 NEW WH-CME5 WH-CME8 WH-WDG16ME5 [2]
P. 72	R290 Stand-alone · R290 [4] 1ph				 NEW WH-WDG12ME5 [2]	 NEW WH-WDG16ME5 [2]
P. 74	Mono-bloc · R32 1ph	 WH-MDC05J3E5	 WH-MDC07J3E5	 WH-MDC09J3E5		

Models with R290 refrigerant. Models with R32 refrigerant.
1) Available Spring 2025. 2) Available in Autumn 2025. 3) Also available with other backup heater capacities. 4) Requires CZ-RTW2TAW1C.
WH-__E5 1ph // WH-__E8 3ph.WH-__E5 1ph // WH-__E8 3ph.

Aquarea T-CAP		9 kW	12 kW	16 kW	20 kW	25 kW	30 kW
P. 76 , 78	R290 All in One · R290 1ph - 3ph						
		NEW WH-ADC0916M3E51 [2] WH-ADC0916M3E5AN1 [2] WH-ADC0916M3E52 [3] WH-ADC0916M3E5AN2 WH-ADC0916M3E53 [3] WH-ADC0916M3E5AN3 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 WH-WXG09ME5 WH-WXG09ME8	NEW WH-ADC0916M3E51 [2] WH-ADC0916M3E5AN1 [2] WH-ADC0916M3E52 [3] WH-ADC0916M3E5AN2 WH-ADC0916M3E53 [3] WH-ADC0916M3E5AN3 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 WH-WXG12ME5 WH-WXG12ME8	NEW WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 WH-WXG16ME8			
P. 76 , 78	R290 Bi-bloc · R290 1ph - 3ph						
		NEW WH-SDC0916M3E5 [3] WH-SDC0316M9E8 WH-WXG09ME5 WH-WXG09ME8	NEW WH-SDC0916M3E5 [3] WH-SDC0316M9E8 WH-WXG12ME5 WH-WXG12ME8	NEW WH-SDC0316M9E8 WH-WXG16ME8			
P. 76 , 78	R290 Control module · R290 1ph - 3ph						
		NEW WH-CME5 WH-CME8 WH-WXG09ME5 WH-WXG09ME8	NEW WH-CME5 WH-CME8 WH-WXG12ME5 WH-WXG12ME8	NEW WH-CME8 WH-WXG16ME8	NEW WH-CME8L WH-WXG20ME8	NEW WH-CME8L WH-WXG25ME8	NEW WH-CME8L WH-WXG30ME8
P. 76 , 78	R290 Stand-alone · R290 [4] 1ph - 3ph						
		NEW WH-WXG09ME5 WH-WXG09ME8	NEW WH-WXG12ME5 WH-WXG12ME8	NEW WH-WXG16ME8	NEW WH-WXG20ME8	NEW WH-WXG25ME8	NEW WH-WXG30ME8
P. 80	Mono-bloc · R32 1ph - 3ph						
		WH-MXC09J3E5 WH-MXC09J3E8	WH-MXC12J6E5 WH-MXC12J9E8	WH-MXC16J9E8			

Models with R290 refrigerant. Models with R32 refrigerant.
1) Available Spring 2025. 2) Available in Autumn 2025. 3) Also available with other backup heater capacities. 4) Requires CZ-RTW2TAW1C.
WH-__E5 1ph // WH-__E8 3ph.

Aquarea Split

Aquarea EcoFlex		8 kW
P. 81	1ph	 WH-ADF0309J3E5CM S-71WF3E CU-2WZ71YBE5

Aquarea High Performance		3 kW	5 kW	7 kW	9 kW	12 kW	16 kW
P. 82, 83, 84, 85, 86, 87, 88, 89	All in One · R32 1ph - 3ph	 WH-ADC0309K3E5 [1] WH-ADC0309K3E5B WH-ADC0309K3E5AN [1] WH-UDZ03KE5	 WH-ADC0309K3E5 [1] WH-ADC0309K3E5B WH-ADC0309K3E5AN [1] WH-UDZ05KE5	 WH-ADC0309K3E5 [1] WH-ADC0309K3E5B WH-ADC0309K3E5AN [1] WH-UDZ07KE5	 WH-ADC0309K3E5 [1] WH-ADC0309K3E5B WH-ADC0309K3E5AN [1] WH-UDZ09KE5 **NEW** WH-ADC0912K9E8 WH-ADC0912K9E8AN WH-ADC0912K9E83 WH-ADC0912K9E8AN3 WH-UDZ09KE8	 WH-ADC0912K6E5 WH-ADC0912K6E5AN WH-ADC0912K6E53 WH-ADC0912K6E5AN3 WH-UDZ12KE5 **NEW** WH-ADC0912K9E8 WH-ADC0912K9E8AN WH-ADC0912K9E83 WH-ADC0912K9E8AN3 WH-UDZ12KE8	 **NEW** WH-ADC16K9E8 WH-ADC16K9E8AN WH-ADC16K9E83 WH-ADC16K9E8AN3 WH-UDZ16KE8 WH-ADC16K6E5 WH-ADC16K6E5AN WH-ADC16K6E53 WH-UDZ16KE5
P. 90, 91	Bi-bloc · R32 1ph - 3ph	 WH-SDC0309K3E5 [1] WH-UDZ03KE5	 WH-SDC0309K3E5 [1] WH-UDZ05KE5	 WH-SDC0309K3E5 [1] WH-UDZ07KE5	 WH-SDC0309K3E5 [1] WH-UDZ09KE5 **NEW** WH-SDC09K3E8 [1] WH-UDZ09KE8	 WH-SDC12K6E5 WH-UDZ12KE5 **NEW** WH-SDC12K9E8 WH-UDZ12KE8	 **NEW** WH-SDC16K9E8 WH-UDZ16KE8

Models with R32 refrigerant.
1) Also available with other backup heater capacities.
WH-__E5 1ph // WH-__E8 3ph.

Aquarea DHW Heat Pump

Aquarea DHW Heat Pump · R290		100 L	150 L	200 L	260 L
P. 122	R290 1ph	 P-DHW100AE5	 P-DHW150AE5	 P-DHW200AE5 P-DHW200CAE5	 P-DHW260AE5 P-DHW260CAE5

Check all our certified heat pumps on:
www.heatpumpkeymark.com

Aquarea T-CAP		9 kW	12 kW	16 kW
P. 93, 94, 95, 96	All in One · R32 1ph - 3ph	 WH-ADC0912K6E53 WH-ADC0912K6E5AN3 WH-UXZ09KE5 WH-ADC0912K9E83 WH-ADC0912K9E8AN3 WH-UXZ09KE8	 WH-ADC0912K6E53 WH-ADC0912K6E5AN3 WH-UXZ12KE5 WH-ADC0912K9E83 WH-ADC0912K9E8AN3 WH-UXZ12KE8	 WH-ADC16K9E83 WH-ADC16K9E8AN3 WH-UXZ16KE8
P. 98	All in One · R410A 3ph	 WH-ADC0916H9E8 WH-UQ09HE8	 WH-ADC0916H9E8 WH-UQ12HE8	 WH-ADC0916H9E8 WH-UQ16HE8
P. 97	Bi-bloc · R32 1ph - 3ph	 WH-SXC09K3E5 [1] WH-UXZ09KE5 WH-SXC09K3E8 WH-UXZ09KE8	 WH-SXC12K6E5 WH-UXZ12KE5 WH-SXC12K9E8 WH-UXZ12KE8	 WH-SXC16K9E8 WH-UXZ16KE8
P. 99	Bi-bloc · R410A 3ph	 WH-SQC09H3E8 WH-UQ09HE8	 WH-SQC12H9E8 WH-UQ12HE8	 WH-SQC16H9E8 WH-UQ16HE8

Models with R32 refrigerant. **Models with R410A refrigerant.**
1) Also available with other backup heater capacities.
WH-__E5 1ph // WH-__E8 3ph.

Aquarea High Performance Hydraulic L Series. Single phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C.
Flexibility: Hydraulic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 75 °C water outlet temperature maximum at -10 °C outside temperature / 55 °C hot water even at -25 °C outside temperature.

* For All in One.

Combination table							Outdoor unit		
Indoor unit							Heating capacity		
							Single phase (power to indoor)		
		DHW tank	Backup heater capacity	2 zones	Electrical anode		5,0 kW	7,0 kW	9,0 kW
							WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5
Hydraulic All in One	1ph	120 L	3 kW	—	—	WH-ADC0509L3E51	✔	✔	✔
		120 L	3 kW	—	✔	WH-ADC0509L3E5AN1	✔	✔	✔
		185 L	3 kW	—	—	WH-ADC0509L3E5	✔	✔	✔
		185 L	3 kW	—	✔	WH-ADC0509L3E5AN	✔	✔	✔
		185 L	6 kW	—	—	WH-ADC0509L6E5	✔	✔	✔
		185 L	6 kW	—	✔	WH-ADC0509L6E5AN	✔	✔	✔
		185 L	3 kW	✔	—	WH-ADC0509L3E5B	✔	✔	✔
Hydraulic Bi-bloc	1ph	—	3 kW	—	—	WH-SDC0509L3E5	✔	✔	✔
		—	6 kW	—	—	WH-SDC0509L6E5	✔	✔	✔

Outdoor unit			WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	5,00 / 5,05	7,00 / 4,93	9,00 / 4,55
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	5,00 / 3,07	7,00 / 2,98	8,90 / 3,03
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	5,00 / 3,52	6,85 / 3,43	7,00 / 3,41
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	5,00 / 2,34	6,25 / 2,34	7,00 / 2,41
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,00 / 3,01	5,80 / 3,01	7,00 / 2,80
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,00 / 2,12	5,80 / 2,12	7,00 / 2,13
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	5,00 / 3,23	7,00 / 3,03	8,20 / 2,82
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	5,00 / 5,00	7,00 / 4,73	9,00 / 4,19
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,06 / 3,63 (200 / 142)	4,96 / 3,62 (195 / 142)	4,84 / 3,67 (190 / 144)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,00 / 4,27 (237 / 168)	6,31 / 4,52 (249 / 178)	6,44 / 4,50 (255 / 177)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,25 / 3,28 (167 / 128)	4,25 / 3,29 (167 / 129)	4,31 / 3,33 (170 / 130)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++	A++ / A++
Sound power [2]	Heat	dB(A)	52	53	54
Dimension / Net weight	H x W x D	mm / kg	996 x 980 x 430 / 98	996 x 980 x 430 / 98	996 x 980 x 430 / 97
Refrigerant (R290) / CO_2 Eq.		kg / T	0,96 / 0,00002	0,96 / 0,00002	1,00 / 0,00002
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 75 / 5 ~ 20	20 ~ 75 / 5 ~ 20	20 ~ 75 / 5 ~ 20

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). * EER and COP calculation is based in accordance to EN 14511.

R290 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | A+ DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | DHW | -25 °C HEATING MODE | WATER FILTER WITH MAGNET | 75°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | WI-FI INCLUDED | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

DHW A+: For All in One. INTERNET CONTROL: Wi-Fi adapter included.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,60.
Flexibility: Built-in 2 zone kit (for 2 zones models) / Installation in harsh water conditions (for models with Electrical Anode).
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Wi-Fi adapter included.

Indoor unit			**WH-ADC0509L3E51***	**WH-ADC0509L3E5**	**WH-ADC0509L6E5**
Indoor unit 2 zones			**—**	**WH-ADC0509L3E5B**	**—**
Indoor unit with Electrical Anode			**WH-ADC0509L3E5AN1***	**WH-ADC0509L3E5AN**	**WH-ADC0509L6E5AN**
Sound pressure	Heat / Cool	dB(A)	31/31	28/28	28/28
Dimension	H x W x D	mm	1293 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight / 2 zones model		kg	79/—	93/101	94/—
Water pipe connector	Room	Inch	1¼	1¼	1¼
	Shower	Inch	¾	¾	¾
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	30/145	30/145	30/145
Heating water flow (ΔT=5 K. 35 °C)		L/min	14,3	14,3	25,8
Water volume		L	120	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30	5/30
Elevation difference (in / out)		m	10	10	10
Electric backup heater		kW	3,00	3,00	6,00
Recommended fuse, supply 1 / 2 [1]		A	25/16	25/16	25/30
Recommended minimum cable size, supply 1 / 2 [1]		mm²	3x2,5/3x1,5	3x2,5/3x1,5	3x2,5/3x4,0

Domestic Hot Water energy efficiency		**120 L**	**185 L**	**120 L**	**185 L**	**120 L**	**185 L**
Indoor unit ()	**WH-**	**ADC0509L3E51**	**ADC0509L3E5**	**ADC0509L3E51**	**ADC0509L3E5**	**ADC0509L3E51**	**ADC0509L3E5**
		ADC0509L3E5AN1	**ADC0509L3E5AN**	**ADC0509L3E5AN1**	**ADC0509L3E5AN**	**ADC0509L3E5AN1**	**ADC0509L3E5AN**
			ADC0509L3E5B		**ADC0509L3E5B**		**ADC0509L3E5B**
			ADC0509L6E5		**ADC0509L6E5**		**ADC0509L6E5**
			ADC0509L6E5AN		**ADC0509L6E5AN**		**ADC0509L6E5AN**
Outdoor unit		**WH-WDG05LE5**		**WH-WDG07LE5**		**WH-WDG09LE5**	
Tapping profile according EN16147		M	L	M	L	M	L
DHW tank ERP efficiency average / warm / cold [2]	A+ to F	A+/A++/A	A+/A+/A	A+/A++/A	A+/A+/A	A+/A++/A	A+/A+/A
DHW tank ERP average climate η / COPdHW	ηwh%/COPdHW	115/2,88	148/3,61	115/2,88	148/3,61	115/2,88	148/3,61
DHW tank ERP warm climate η / COPdHW	ηwh%/COPdHW	134/3,35	160/4,00	134/3,35	160/4,00	134/3,35	160/4,00
DHW tank ERP cold climate η / COPdHW	ηwh%/COPdHW	90/2,26	112/2,80	90/2,26	112/2,80	90/2,26	112/2,80

1) Check local regulations. 2) Scale from A+ to F. * Available Spring 2025. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Bi-bloc:

Flexibility: Flexible choice of DHW tank size.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Wi-Fi adapter included.

Indoor unit			**WH-SDC0509L3E5**	**WH-SDC0509L6E5**
Sound pressure	Heat / Cool	dB(A)	28/28	28/28
Dimension / Net weight	H x W x D	mm	892 x 500 x 348 / 33	892 x 500 x 348 / 33
Water pipe connector	Room	Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed
	Input power (Min/Max)	W	30/145	30/145
Heating water flow (ΔT=5 K. 35 °C)		L/min	14,3	20,1
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30
Elevation difference (in / out)		m	10	10
Electric backup heater		kW	3,00	6,00
Recommended fuse, supply 1 / 2 [1]		A	25/16	25/30
Recommended minimum cable size, supply 1 / 2 [1]		mm²	3x2,5/3x1,5	3x2,5/3x4,0

1) Check local regulations. * This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Common accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system

Bi-bloc accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
CZ-NV2	3 way valve kit to fit inside the hydrokit. K and L Series
PAW-BTANK50L-2	Buffer tank 50 L

NEW Aquarea High Performance Hydraulic M Series Single phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C.
Flexibility: Hydraulic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 75 °C water outlet temperature maximum at -15 °C outside temperature / 55 °C hot water even at -25 °C outside temperature.

Combination table						Outdoor unit	
Indoor unit						Heating capacity	
						Single phase	
		DHW tank	Backup heater capacity	Electrical anode		12,0 kW	16,0 kW
						WH-WDG12ME5	WH-WDG16ME5
Hydraulic All in One	1ph	120 L	3 kW	—	WH-ADC0916M3E51	✔	✔
		120 L	3 kW	✔	WH-ADC0916M3E5AN1	✔	✔
		185 L	3 kW	—	WH-ADC0916M3E52	✔	✔
		185 L	3 kW	✔	WH-ADC0916M3E5AN2	✔	✔
		185 L	6 kW	—	WH-ADC0916M6E52	✔	✔
		260 L	3 kW	—	WH-ADC0916M3E53	✔	✔
		260 L	3 kW	✔	WH-ADC0916M3E5AN3	✔	✔
		260 L	6 kW	—	WH-ADC0916M6E53	✔	✔
	3ph	185 L	9 kW	—	WH-ADC0316M9E82	✔	✔
		185 L	9 kW	✔	WH-ADC0316M9E8AN2	✔	✔
		260 L	9 kW	—	WH-ADC0316M9E83	✔	✔
		260 L	9 kW	✔	WH-ADC0316M9E8AN3	✔	✔
Hydraulic Bi-bloc	1ph	—	3 kW	—	WH-SDC0916M3E5	✔	✔
		—	6 kW	—	WH-SDC0916M6E5	✔	✔
	3ph	—	9 kW	—	WH-SDC0316M9E8	✔	✔
Control module	1ph	—	—	—	WH-CME5	✔	✔
	3ph	—	—	—	WH-CME8	✔	✔
Remote controller with Wi-Fi adapter	—	—	—	—	CZ-RTW2TAW1C	✔	✔

Outdoor unit			WH-WDG12ME5*	WH-WDG16ME5*
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,10 / 4,78	16,00 / 4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,10 / 3,03	14,70 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	11,50 / 3,44	13,20 / 3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,20 / 2,25	10,00 / 2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,10 / 2,78	11,60 / 2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,40 / 1,99	9,10 / 1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	9,00 / 3,61	9,00 / 3,61
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	9,00 / 3,92	9,00 / 3,92
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,58 / 3,57 (180 / 140)	4,46 / 3,57 (176 / 140)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47 / 4,34 (256 / 171)	6,20 / 4,30 (245 / 169)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31 / 3,26 (169 / 127)	4,28 / 3,20 (168 / 125)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++
Sound power [2]	Heat	dB(A)	55	59
Dimension / Net weight	H x W x D	mm / kg	1520 x 1200 x 370 / 160	1520 x 1200 x 370 / 160
Pipe length range standard / maximum		m	5 / 30	5 / 30
Elevation difference (in / out)		m	30	30
A class pump	Number of speeds		Variable speed	Variable speed
	Input power (Min / Max)	W	30 / 175	30 / 175
Heating water flow (ΔT=5 K. 35 °C)		L/min	34,4	45,9
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	1,60 / 0,00003	1,60 / 0,00003
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	25 ~ 75 / 5 ~ 20	25 ~ 75 / 5 ~ 20
Recommended fuse, supply [4]		A	32	32
Recommended minimum cable size, supply [4]		mm²	3x4,0	3x4,0

Tentative data

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). 3) WH-WDG models are hermetically sealed. 4) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. * Available in Autumn 2025.

DHW A+: For All in One. INTERNET CONTROL: Wi-Fi adapter included.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,60.
Flexibility: Backup heater included / Built-in 10 L expansion vessel / 30 m maximum height difference between indoor and outdoor / Installation in harsh water conditions (for models with Electrical Anode).
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included / Optional integration into BMS.

Indoor unit		WH-ADC	0916M3E51*	0916M3E52	0916M6E52	0316M9E82	0916M3E53	0916M6E53	0316M9E83
Indoor unit with Electrical Anode		**WH-ADC**	**0916M3E5AN1***	**0916M3E5AN2**	**—**	**0316M9E8AN2**	**0916M3E5AN3**	**—**	**0316M9E8AN3**
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22	22/22	22/22	22/22	22/22
Dimension / Net weight	H x W x D	mm / kg	1293 x 599 x 602 / 74	1642 x 599 x 602 / 89	1642 x 599 x 602 / 89	1642 x 599 x 602 / 89	2036 x 599 x 602 / 105	2036 x 599 x 602 / 105	2036 x 599 x 602 / 105
Water pipe connector	Room / Shower	Inch	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾
Water volume		L	120	185	185	185	260	260	260
Maximum DHW temperature		°C	65	65	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼
Electric backup heater		kW	3,00	3,00	6,00	9,00	3,00	6,00	9,00
Recommended fuse, supply [1]		A	16	16	30	20	15/16	30	20
Recommended minimum cable size, supply [1]		mm²	3x1,5	3x1,5	3x4,0	5x1,5	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75

Domestic Hot Water energy efficiency

Indoor unit	WH-	ADC0916M3E51 / ADC0916M3E5AN1	ADC0916M3E51 / ADC0916M3E5AN1	ADC0916M3E52 / ADC0916M3E5AN2 / ADC0916M6E52	ADC0916M3E52 / ADC0916M3E5AN2 / ADC0916M6E52	ADC0916M3E53 / ADC0916M3E5AN3 / ADC0916M6E53	ADC0916M3E53 / ADC0916M3E5AN3 / ADC0916M6E53
Outdoor unit		**WH-WDG12ME5**	**WH-WDG16ME5**	**WH-WDG12ME5**	**WH-WDG16ME5**	**WH-WDG12ME5**	**WH-WDG16ME5**
Tapping profile according EN16147		L	L	L	L	XL	XL
DHW tank ERP efficiency average / warm / cold [2]	A+ to F	A/A/B	A/A/B	A+/A/A	A+/A/A	A+/A+/A	A+/A+/A
DHW tank ERP average climate ɳ / COPdHW	ɳwh%/COPdHW	84/2,1	96/2,1	100/2,50	96/2,40	123/3,08	98/2,45
DHW tank ERP warm climate ɳ / COPdHW	ɳwh%/COPdHW	92/2,3	101/2,3	116/2,90	115/2,88	134/3,35	123/3,08
DHW tank ERP cold climate ɳ / COPdHW	ɳwh%/COPdHW	64/1,6	70/1,6	80/2,00	76/1,90	94/2,35	80/2,00

1) Check local regulations. 2) Scale from A+ to F. Energy class A with 16 kW outdoor unit. * Available Autumn 2025. Tentative data. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Bi-bloc:

Flexibility: Flexible choice of DHW tank size.
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included / Optional integration into BMS.

Indoor unit			WH-SDC0916M3E5	WH-SDC0916M6E5	WH-SDC0316M9E8
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22
Dimension / Net weight	H x W x D	mm	892 x 500 x 348 / 28	892 x 500 x 348 / 28	892 x 500 x 348 / 29
Water pipe connector	Room	Inch	1¼	1¼	1¼
Water pipe connector (indoor / outdoor units)		Inch	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼
Electric backup heater		kW	3,00	6,00	9,00
Recommended fuse, supply [1]		A	15/16	30	20
Recommended minimum cable size, supply [1]		mm²	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75	2x0,75

1) Check local regulations. * This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Control module:

Flexibility: Simplified installation / Minimal interior space required / Supports third-party backup heater.
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included / Optional integration into BMS.

Indoor unit			WH-CME5	WH-CME8
Dimension / Net weight	H x W x D	mm / kg	454 x 520 x 116 / 7	454 x 520 x 116 / 7
Field supply electrical backup heater		kW	Up to 3 kW	Up to 9 kW
Recommended fuse, supply [1]		A	16	30
Recommended minimum cable size, supply [1]		mm²	3x1,5	3x4,0
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75

1) Check local regulations.

Accessories	
CZ-RTW2TAW1C	Remote controller with Wi-Fi adapter (required for stand-alone outdoor units). M Series
CZ-RTW2	Optional remote controller for 2 zone control. M Series
CZ-NS6P	PCB for advanced functions. M Series All in One and Bi-bloc
CZ-NS7P	PCB for advanced functions. M Series control module
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system

Accessories	
CZ-NV3	3 way valve kit to fit inside the hydrokit. M Series
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L
PAW-BTANK100L	Buffer tank 100 L
PAW-BTANKG200L	Buffer tank 200 L
PAW-BTANKG260L	Buffer tank 260 L

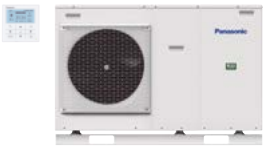
Aquarea High Performance Mono-bloc J Series. Single phase - MDC · R32

Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.
Flexibility: Built-in magnetic water filter / Built-in 6 L expansion vessel.
Comfort: Operating range and heating curve down to -20 °C / 60 °C water outlet temperature / Cooling mode down to +10 °C.
Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

011-1W0398
011-1W0399
011-1W0400

A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D



			Single phase		
Outdoor unit			**WH-MDC05J3E5**	**WH-MDC07J3E5**	**WH-MDC09J3E5**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	5,00/5,08	7,00/4,76	9,00/4,48
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	5,00/3,01	7,00/2,82	8,95/2,78
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	5,00/3,57	7,00/3,40	7,45/3,13
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	5,00/2,27	6,30/2,16	7,00/2,12
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,00/2,78	6,80/2,81	7,50/2,63
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,00/1,85	6,30/1,86	7,00/1,80
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	5,00/3,31	7,00/3,06	9,00/2,71
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	5,00/5,05	7,00/4,73	9,00/4,25
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,12/3,63 (202/142)	4,90/3,32 (193/130)	4,90/3,32 (193/130)
	Energy class	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,00/4,20 (237/165)	5,75/4,07 (227/160)	5,75/4,07 (227/160)
	Energy class	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,08/2,95 (160/115)	4,18/2,98 (164/116)	4,18/2,98 (164/116)
	Energy class	A+++ to D	A++/A+	A++/A+	A++/A+
Sound power [1]	Heat	dB(A)	59	59	59
Dimension	H x W x D	mm	865 x 1283 x 320	865 x 1283 x 320	865 x 1283 x 320
Net weight		kg	99	104	104
Refrigerant (R32) / CO_2 Eq. [2]		kg / T	1,3/0,878	1,3/0,878	1,3/0,878
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	34/96	36/100	39/108
Heating water flow (ΔT=5 K. 35 °C)		L/min	14,3	20,1	25,8
Electric backup heater		kW	3,00	3,00	3,00
Input power	Heat	kW	0,985	1,47	2,01
	Cool	kW	1,51	2,29	3,32
Running and starting current	Heat	A	4,7	7,0	9,3
	Cool	A	7,0	10,5	14,7
Current 1		A	12	17	17
Current 2		A	13	13	13
Recommended fuse [3]		A	30/15	30/15	30/16
Recommended minimum cable size, supply 1 / 2 [3]		mm^2	3x1,5/3x1,5	3x2,5/3x1,5	3x2,5/3x1,5
Operating range - outdoor ambient	Heat	°C	-20 ~ 35	-20 ~ 35	-20 ~ 35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20

1) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. 2) WH-MDC models are hermetically sealed. 3) Check local regulations. * EER and COP calculation is based in accordance to EN 14511.

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TD20B8E3-2	Combo Tank 185 L + 80 L – Enamelled
PAW-TD23B6E5	Combo Tank 230 L + 60 L – Stainless steel
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L

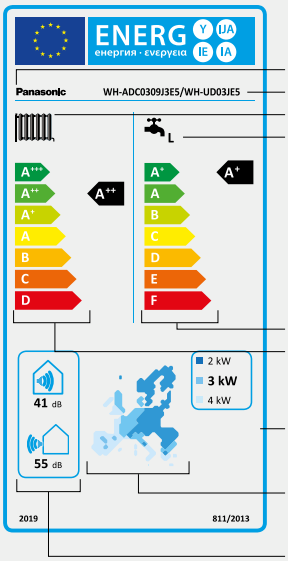
Accessories	
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5,08 COP HIGH PERFORMANCE | DHW | -20 °C HEATING MODE | WATER FILTER WITH MAGNET | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Validating efficiency and performance of Aquarea Heat Pumps

Aquarea Heat Pumps achieve outstanding efficiency and performance, validated through ErP labels and Keymark certifications. These credentials ensure that Aquarea Heat Pumps deliver reliable and sustainable heating solutions.



Manufacturer or brand
Product identifier
Symbol for space heating
DHW heating symbol with details of tapping profile
Energy efficiency scale for DHW heating
Efficiency scale for space heating
Optional symbol where operation is possible only in off-peak periods
Temperature map of Europe with three climate zones and the rated heat output of each
Sound power level outdoors and (where relevant) indoors

Energy labels: guiding consumers to energy savings

Energy labels help consumers make informed purchasing decisions and support Ecodesign requirements that reduce energy demand and combat global warming.
Heat pumps are classified into seven efficiency categories, from A+++ (most efficient) to D (least efficient). For hot water cylinders, the range is from A+ to F.
Thanks to advanced technologies, Panasonic offers solutions that achieve the highest energy ratings, ensuring high efficiency and performance.

Keymark certification: a mark of quality and reliability

The Keymark certification is a quality mark that demonstrates compliance with European standards. Issued by independent certification bodies, it ensures products meet rigorous quality and performance criteria.
Aquarea Heat Pumps proudly carry the Keymark certification, validating their exceptional efficiency and reliability.

Check all our certified heat pumps on: **www.heatpumpkeymark.com**

Aquarea T-CAP Hydraulic M Series outdoor units. Single phase / Three phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C / Built-in flow meter.
Flexibility: Hydraulic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 75 °C water temperature at -15 °C outside / 55 °C hot water even at -25 °C outside temperature / Low noise level.
Control: Optimised user interface and improved features (2 zone control, bivalent control).

A++ ErP 55 °C Scale from A+++ to D
A+++ ErP 35 °C Scale from A+++ to D
A+ DHW* Scale from A+ to F
* For All in One.

Combination table - Aquarea T-CAP Hydraulic M Series						Outdoor unit				
Indoor unit						Heating capacity				
						Single phase		Three phase		
		DHW tank	Backup heater capacity	Electrical anode		9,0 kW	12,0 kW	9,0 kW	12,0 kW	16,0 kW
						WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Hydraulic All in One	1ph	120 L	3 kW	—	WH-ADC0916M3E51	✔	✔	—	—	—
		120 L	3 kW	✔	WH-ADC0916M3E5AN1	✔	✔	—	—	—
		185 L	3 kW	—	WH-ADC0916M3E52	✔	✔	—	—	—
		185 L	3 kW	✔	WH-ADC0916M3E5AN2	✔	✔	—	—	—
		185 L	6 kW	—	WH-ADC0916M6E52	✔	✔	—	—	—
		260 L	3 kW	—	WH-ADC0916M3E53	✔	✔	—	—	—
		260 L	3 kW	✔	WH-ADC0916M3E5AN3	✔	✔	—	—	—
		260 L	6 kW	—	WH-ADC0916M6E53	✔	✔	—	—	—
	3ph	120 L	9 kW	—	WH-ADC0916M9E81	—	—	✔	✔	✔
		120 L	9 kW	✔	WH-ADC0916M9E8AN1	—	—	✔	✔	✔
		185 L	9 kW	—	WH-ADC0316M9E82	✔	✔	✔	✔	✔
		185 L	9 kW	✔	WH-ADC0316M9E8AN2	✔	✔	✔	✔	✔
		260 L	9 kW	—	WH-ADC0316M9E83	✔	✔	✔	✔	✔
		260 L	9 kW	✔	WH-ADC0316M9E8AN3	✔	✔	✔	✔	✔
Hydraulic Bi-bloc	1ph	—	3 kW	—	WH-SDC0916M3E5	✔	✔	—	—	—
		—	6 kW	—	WH-SDC0916M6E5	✔	✔	—	—	—
	3ph	—	9 kW	—	WH-SDC0316M9E8	✔	✔	✔	✔	✔
Control module	1ph	—	—	—	WH-CME5	✔	✔	—	—	—
	3ph	—	—	—	WH-CME8	✔	✔	✔	✔	✔
Remote controller with Wi-Fi adapter	—	—	—	—	CZ-RTW2TAW1C	✔	✔	✔	✔	✔

Combination table - Big Aquarea T-CAP Hydraulic M Series			Outdoor unit		
Indoor unit			Heating capacity		
			Three phase		
			20,0 kW	25,0 kW	30,0 kW
			WH-WXG20ME8	WH-WXG25ME8	WH-WXG30ME8
Control module	3ph	WH-CME8L	✔	✔	✔
Remote controller with Wi-Fi adapter	—	CZ-RTW2TAW1C	✔	✔	✔

Accessories	
CZ-RTW2TAW1C	Remote controller with Wi-Fi adapter (required for stand-alone outdoor units). M Series
CZ-RTW2	Optional remote controller for 2 zone control. M Series
CZ-NS6P	PCB for advanced functions. M Series All in One and Bi-bloc
CZ-NS7P	PCB for advanced functions. M Series control module
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat
PAW-A2W-AFVLV-112	1 antifreeze valve 1 1/2". It is required to order 2 valves per system. For 20, 25 and 30 kW
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system. For 9, 12 and 16 kW

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L
PAW-BTANK100L	Buffer tank 100 L
PAW-BTANKG200L	Buffer tank 200 L
PAW-BTANKG260L	Buffer tank 260 L

R290 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | A+ DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | DHW | -28 °C HEATING MODE | WATER FILTER WITH MAGNET | 75°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | WI-FI INCLUDED | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

DHW A+: For All in One. INTERNET CONTROL: Wi-Fi adapter included.

Aquarea T-CAP Hydraulic M Series outdoor units.

Outdoor unit			WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,23	12,00/5,06	9,00/5,23	12,00/5,06	16,00/4,89
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,24	12,00/3,23	9,00/3,24	12,00/3,23	16,00/3,20
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,81	12,00/3,54	9,00/3,81	12,00/3,54	16,00/3,30
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,54	12,00/2,42	9,00/2,54	12,00/2,42	16,00/2,37
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,45	12,00/3,00	9,00/3,45	12,00/3,00	16,00/2,53
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,35	12,00/2,17	9,00/2,35	12,00/2,17	16,00/1,97
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	9,00/3,61	9,00/3,61	9,00/3,61	9,00/3,61	9,00/3,61
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	9,00/5,26	12,00/5,26	9,00/5,26	12,00/5,26	16,00/5,26
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	5,00/3,46(197/135)	5,00/3,50(197/137)	4,73/3,65(186/143)	4,75/3,70(187/115)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,33/4,40(250/173)	6,20/4,40(245/173)	6,08/4,45(240/175)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,45/3,20(175/125)	4,38/3,25(172/127)	4,33/3,40(170/133)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A+++/A++	A++/A++	A++/A++
Sound power [2]	Heat	dB(A)	52	53	52	53	57
Dimension	H x W x D	mm	1520 x 1200 x 430	1520 x 1200 x 430	1520 x 1200 x 430	1520 x 1200 x 430	1520 x 1200 x 430
Net weight		kg	161	161	161	161	165
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	30/175	30/175	30/175	30/175	30/175
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	1,78/0,00004	1,78/0,00004	1,78/0,00004	1,78/0,00004	1,78/0,00004
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
	DHW	°C	-28 ~ +43	-28 ~ +43	-28 ~ +43	-28 ~ +43	-28 ~ +43
Water outlet	Heat / Cool	°C	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4]) / 5 ~20
Recommended fuse, supply [5]		A	30	30	20	20	25
Recommended minimum cable size, supply [5]		mm²	3x4,0	3x4,0	5x1,5	5x1,5	5x2,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). 3) WH-WXG models are hermetically sealed. 4) Above -15 °C outdoor temperature. Between outdoor ambient -15 °C and -25 °C, the water outlet temperature gradually decreases from 75 °C to 55 °C. Below -25 °C outdoor temperature maximum water outlet temperature is 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511.

Big Aquarea T-CAP Hydraulic M Series outdoor units.

Outdoor unit			WH-WXG20ME8	WH-WXG25ME8	WH-WXG30ME8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	20,00/4,80	25,00/4,50	30,00/4,40
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	20,00/3,18	25,00/3,00	30,00/3,00
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	20,00/3,39	25,00/2,80	30,00/2,50
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	20,00/2,08	25,00/1,97	30,00/1,95
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	20,00/2,48	25,00/2,36	30,00/2,33
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	20,00/1,90	25,00/1,80	30,00/1,49
Cooling capacity / EER (A 35 °C, W 7 °C) at Comfort mode		kW / EER	20,00/3,02	25,00/2,86	26,00/2,68
Cooling capacity / EER (A 35 °C, W 7 °C) at Efficiency mode (default)		kW / EER	15,00/3,61	15,00/3,61	15,00/3,61
Cooling capacity / EER (A 35 °C, W 18 °C) at Comfort mode		kW / EER	20,00/4,79	25,00/4,47	30,00/4,10
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,36/3,59 (171/141)	4,25/3,57 (167/140)	3,95/3,46 (155/135)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,37/4,07 (212/160)	5,22/4,14 (206/163)	4,93/4,01 (194/158)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	3,07/2,57 (120/100)	3,16/2,71 (123/105)	3,20/2,71 (125/105)
	Energy class [1]	A+++ to D	A/A+	A+/A+	A+/A+
Sound power [2]	Heat	dB(A)	56	59	61
Dimension	H x W x D	mm	1645 x 1500 x 460	1645 x 1500 x 460	1645 x 1500 x 460
Net weight		kg	240	240	240
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	230	230	230
Heating water flow (ΔT=5 K. 35 °C)		L/min	57,3	71,6	86,0
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	3,0/0,00006	3,0/0,00006	3,0/0,00006
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 75 [4] / 5 ~ 20	20 ~ 75 [4] / 5 ~ 20	20 ~ 75 [4] / 5 ~ 20
Recommended fuse, supply [5]		A	50	50	50
Recommended minimum cable size, supply [5]		mm²	5x10 - 5x16	5x10 - 5x16	5x10 - 5x16

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). 3) WH-WXG models are hermetically sealed. 4) Above 15 °C ambient temperature. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511.

Aquarea T-CAP Hydraulic M Series indoor units. Single phase / Three phase · R290

Natural refrigerant R290 with GWP 0,02.
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included / Optional integration into BMS.

* For All in One.

Control module:

Flexibility: Simplified installation / Minimal interior space required / Supports third-party backup heater.

Indoor unit		WH-CME5	WH-CME8	WH-CME8L
Dimension / Net weight H x W x D	mm / kg	454 x 520 x 116 / 7	454 x 520 x 116 / 7	454 x 520 x 116 / 7
Field supply electrical backup heater	kW	Up to 3 kW	Up to 9 kW	Up to 18 kW
Recommended fuse, supply [1]	A	16	30	≤9 kW: 20 — 9 kW< ≤18 kW: 40
Recommended minimum cable size, supply [1]	mm²	3x1,5	3x4,0	≤12 kW: 5x2,5 12 kW< ≤15 kW: 5x4,0 15 kW< ≤18 kW: 5x6,0
Connecting cable to the outdoor unit size	mm²	2x0,75	2x0,75	2x0,75

1) Check local regulations.

Bi-bloc:

Flexibility: Flexible choice of DHW tank size.

Indoor unit			WH-SDC0916M3E5	WH-SDC0916M6E5	WH-SDC0316M9E8
Sound pressure	Heat / Cool	dB(A)	22 / 22	22 / 22	22 / 22
Dimension / Net weight	H x W x D	mm	892 x 500 x 348 / 28	892 x 500 x 348 / 28	892 x 500 x 348 / 29
Water pipe connector	Room	Inch	1¼	1¼	1¼
Water pipe connector (indoor / outdoor units)		Inch	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼
Pipe length range standard / maximum		m	5 / 30	5 / 30	5 / 30
Elevation difference (in / out)		m	30	30	30

Electrical information for Bi-bloc and All in One indoor units		Single phase (3 kW heater)	Single phase (6 kW heater)	Three phase (9 kW heater)
Electric backup heater	kW	3	6	9
Recommended fuse, supply [1]	A	16	30	20
Recommended minimum cable size, supply [1]	mm²	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size	mm²	2x0,75	2x0,75	2x0,75

1) Check local regulations. * This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW2TAW1C	Remote controller with Wi-Fi adapter (required for stand-alone outdoor units). M Series
CZ-RTW2	Optional remote controller for 2 zone control. M Series
CZ-NS6P	PCB for advanced functions. M Series All in One and Bi-bloc
CZ-NS7P	PCB for advanced functions. M Series control module
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat
CZ-NV3	3 way valve kit to fit inside the hydrokit. M Series

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L
PAW-BTANK100L	Buffer tank 100 L
PAW-BTANKG200L	Buffer tank 200 L
PAW-BTANKG260L	Buffer tank 260 L

DHW A+: For All in One. INTERNET CONTROL: Wi-Fi adapter included.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,60.
Flexibility: Backup heater included / Built-in 10 L expansion vessel / 30 m maximum height difference between indoor and outdoor / Installation in harsh water conditions (for models with Electrical Anode).

All in One with 120 L DHW tank*			Single phase	Three phase
Indoor unit			WH-ADC0916M3E51	WH-ADC0916M9E81
Indoor unit with Electrical Anode			WH-ADC0916M3E5AN1	WH-ADC0916M9E8AN1
Dimension / Net weight	H x W x D	mm / kg	1293 x 599 x 602 / 74	1293 x 599 x 602 / 74
Water volume		L	120	120
Electric backup heater		kW	3	9

Domestic Hot Water energy efficiency

Indoor unit			WH-ADC0916M3E51	WH-ADC0916M3E51	WH-ADC0916M9E81	WH-ADC0916M9E81	WH-ADC0916M9E81
			WH-ADC0916M3E5AN1	WH-ADC0916M3E5AN1	WH-ADC0916M9E8AN1	WH-ADC0916M9E8AN1	WH-ADC0916M9E8AN1
Outdoor unit			WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Tapping profile according EN16147			L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [1]		A+ to F	A+/A/A	A+/A/A	A+/A/A	A+/A/A	A+/A/A
DHW tank ERP average climate ɳ / COPdHW		ɳwh % / COPdHW	96/2,41	96/2,41	96/2,41	96/2,41	96/2,41
DHW tank ERP warm climate ɳ / COPdHW		ɳwh % / COPdHW	101/2,7	101/2,7	101/2,7	101/2,7	101/2,7
DHW tank ERP cold climate ɳ / COPdHW		ɳwh % / COPdHW	70/1,75	70/1,75	70/1,75	70/1,75	70/1,75

All in One with 185 L DHW tank			Single phase		Three phase
Indoor unit			WH-ADC0916M3E52	WH-ADC0916M6E52	WH-ADC0316M9E82
Indoor unit with Electrical Anode			WH-ADC0916M3E5AN2	—	WH-ADC0316M9E8AN2
Dimension / Net weight	H x W x D	mm / kg	1642 x 599 x 602 / 89	1642 x 599 x 602 / 89	1642 x 599 x 602 / 89
Water volume		L	185	185	185
Electric backup heater		kW	3	6	9

Domestic Hot Water energy efficiency

Indoor unit			WH-ADC0916M3E52	WH-ADC0916M3E52	WH-ADC0316M9E82	WH-ADC0316M9E82	WH-ADC0316M9E82
			WH-ADC0916M3E5AN2	WH-ADC0916M3E5AN2	WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN2
			WH-ADC0916M6E52	WH-ADC0916M6E52	—	—	—
Outdoor unit			WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Tapping profile according EN16147			L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [1]		A+ to F	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A
DHW tank ERP average climate ɳ / COPdHW		ɳwh % / COPdHW	123/3,00	123/3,00	123/3,00	123/3,00	117/2,85
DHW tank ERP warm climate ɳ / COPdHW		ɳwh % / COPdHW	132/3,30	132/3,30	132/3,30	132/3,30	128/3,20
DHW tank ERP cold climate ɳ / COPdHW		ɳwh % / COPdHW	88/2,20	88/2,20	88/2,20	88/2,20	84/2,10

All in One with 260 L DHW tank			Single phase		Three phase
Indoor unit			WH-ADC0916M3E53	WH-ADC0916M6E53	WH-ADC0316M9E83
Indoor unit with Electrical Anode			WH-ADC0916M3E5AN3	—	WH-ADC0316M9E8AN3
Dimension / Net weight	H x W x D	mm / kg	2036 x 599 x 602 / 105	2036 x 599 x 602 / 105	2036 x 599 x 602 / 105
Water volume		L	260	260	260
Electric backup heater		kW	3	6	9

Domestic Hot Water energy efficiency

Indoor unit			WH-ADC0916M3E53	WH-ADC0916M3E53	WH-ADC0316M9E83	WH-ADC0316M9E83	WH-ADC0316M9E83
			WH-ADC0916M3E5AN3	WH-ADC0916M3E5AN3	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3
			WH-ADC0916M6E53	WH-ADC0916M6E53	—	—	—
Outdoor unit			WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Tapping profile according EN16147			XL	XL	XL	XL	XL
DHW tank ERP efficiency average / warm / cold [1]		A+ to F	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A	A / A+ / A
DHW tank ERP average climate ɳ / COPdHW		ɳwh % / COPdHW	123/3,00	123/3,00	125/3,10	125/3,10	115/2,85
DHW tank ERP warm climate ɳ / COPdHW		ɳwh % / COPdHW	132/3,30	132/3,30	136/3,35	136/3,35	129/3,20
DHW tank ERP cold climate ɳ / COPdHW		ɳwh % / COPdHW	88/2,20	88/2,20	95/2,35	95/2,35	85/2,10

All in One Indoor units technical data			
Sound pressure	Heat / Cool	dB(A)	22/22
Water pipe connector	Room	Inch	1¼
	Shower	Inch	3/4
Maximum DHW temperature		°C	65
Material inside tank			Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1¼/1¼
Pipe length range standard / maximum		m	5/30
Elevation difference (in / out)		m	30

1) Scale from A+ to F. * Available in Autumn 2025. Tentative data. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

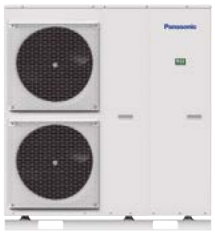
Aquarea T-CAP Mono-bloc J Series. Single phase / Three phase - MXC · R32

Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.
Flexibility: Built-in magnetic water filter.
Comfort: Constant capacity and operating range down to -20 °C / 65 °C water outlet temperature.
Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

011-1W0463, 011-1W0464, 011-1W0562, 011-1W0563, 011-1W0564, 011-1W0565.
For 9 and 12 kW single and three phase.

ErP 55 °C Scale from A+++ to D

ErP 35 °C Scale from A+++ to D



			Single phase		Three phase		
Outdoor unit			**WH-MXC09J3E5**	**WH-MXC12J6E5**	**WH-MXC09J3E8**	**WH-MXC12J9E8**	**WH-MXC16J9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,08	12,00/4,80	9,00/5,08	12,00/4,80	16,00/4,52
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,08	12,00/3,05	9,00/3,08	12,00/3,05	16,00/2,86
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,81	12,00/3,53	9,00/3,81	12,00/3,53	16,00/3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,54	12,00/2,42	9,00/2,54	12,00/2,42	16,00/2,07
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,08	12,00/2,82	9,00/3,08	12,00/2,82	16,00/2,39
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,12	12,00/2,00	9,00/2,12	12,00/2,00	16,00/1,71
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	9,00/3,18	12,00/2,90	9,00/3,09	12,00/2,84	14,50/2,84
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	9,00/4,62	12,00/3,95	9,00/4,46	12,00/3,79	16,00/3,75
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,46/3,31(176/129)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(150/125)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Sound power [2]	Heat	dB(A)	61	61	61	61	63
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	140	140	140	140	150
Refrigerant (R32) / CO_2 Eq. [3]		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,80/1,215
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	32/145	34/145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Electric backup heater		kW	3,00	6,00	3,00	9,00	9,00
Input power	Heat	kW	1,77	2,50	1,77	2,50	3,54
	Cool	kW	2,83	4,14	2,91	4,23	5,11
Running and starting current	Heat	A	8,3	11,6	2,6	3,7	5,3
	Cool	A	13,1	19,1	4,3	6,3	7,6
Current 1		A	29,0	29,0	14,7	11,8	16,4
Current 2		A	13,0	26,0	13,0	13,0	13,0
Recommended fuse, supply 1 / 2 [4]		A	30/30	30/30	20/16	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [4]		mm^2	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/3x1,5	5x1,5/5x1,5	5x2,5/5x1,5
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
	Cool	°C	10 ~ +43	10 ~ +43	10 ~ +43	10 ~ +43	10 ~ +43
Water outlet [5]	Heat	°C	20 ~ 65	20 ~ 65	20 ~ 65	20 ~ 65	20 ~ 65
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825. 3) WH-MXC models are hermetically sealed. 4) Check local regulations. 5) It is possible to set temperature by 65 °C on remote controller. Normally, outlet water temperature is 60 °C or lower. In case of ΔT setting with remote controller is 15 °C and the outdoor ambient temperature is 5 to 20 °C, outlet water temperature 65 °C is possible. * EER and COP calculation is based in accordance to EN 14511.

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TD20B8E3-2	Combo Tank 185 L + 80 L – Enamelled
PAW-TD23B6E5	Combo Tank 230 L + 60 L – Stainless steel
PAW-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L

Accessories	
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5,08 COP HIGH PERFORMANCE | 65°C OUTPUT WATER FLOW TEMPERATURE | DHW | -20 °C HEATING MODE | WATER FILTER WITH MAGNET | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea EcoFleX. Single phase · R32

Energy efficiency: Heat recovery function, to re-use wasted heat of outdoor unit for DHW production.
Flexibility: Small foot print outdoor unit, tank unit with a standard size of appliances.
Comfort: Non-stop heating operation / nanoe™ X technology to improve protection 24/7 (nanoe X Generator Mark 2).
Connectivity: Wi-Fi adapter included via Aquarea Smart Cloud or Panasonic Comfort Cloud App.

A++ ErP 55 °C Scale from A+++ to D
A++ ErP 35 °C Scale from A+++ to D
A+ DHW Scale from A+ to F

nanoe™ X

				WH-ADF0309J3E5CM
Air to water	Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	8,00 / 4,21
	Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	8,00 / 2,81
	Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	6,70 / 3,25
	Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	6,00 / 2,08
	Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,60 / 2,84
	Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,30 / 1,91
	Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	—
	Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	—
	Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,00 / 3,20 (157 / 125)
		Energy class [1]	A+++ to D	A++ / A++
	Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,69 / 3,69 (224 / 145)
		Energy class [1]	A+++ to D	A+++ / A++
	Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	3,61 / 2,80 (141 / 109)
		Energy class [1]	A+++ to D	A+ / A+
	Sound pressure	Heat / Cool	dB(A)	28 / —
	Dimension / Net weight	H x W x D	mm / kg	1880 x 598 x 600 / 108
	Electric backup heater		kW	3,00
	Water volume		L	185
	Maximum DHW temperature		°C	65
	Heating water flow (ΔT=5 K. 35 °C)		L/min	22,90
	Tapping profile according EN16147			L
	DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A / A+ / A
	DHW tank ERP average climate η / COPdhw		ηwh % / COPdhw	104 / 2,60
	DHW tank ERP warm climate η / COPdhw		ηwh % / COPdhw	134 / 3,35
	DHW tank ERP cold climate η / COPdhw		ηwh % / COPdhw	92 / 2,30
	Heat recovery capacity (DHW 55 °C)		kW	7,10 + 9,00
	Heat recovery input power (DHW 55 °C)		kW	3,15
	Heat recovery COP (DHW 55 °C)			5,11
	Water outlet		°C	20 ~ 55
				S-71WF3E
Air to air	Cooling capacity	Nominal	kW	7,10
	EER [3]	Nominal	W/W	3,40
	SEER [4]			**5,60 A+**
	Pdesign (cooling)			7,10
	Heating capacity	Nominal	kW	7,10
	COP [3]	Nominal	W/W	3,90
	SCOP [4]			**3,90 A**
	Pdesign at -10 °C		kW	4,80
	External static pressure [5]		Pa	30 (10 - 150)
	Air flow		m^3/min	22,7
	Sound pressure [6]	Cool / Heat (Hi)	dB(A)	34 / 34
	Sound power [7]	Cool / Heat (Hi)	dB(A)	57 / 57
	Dimension / Net weight	H x W x D	mm / kg	250 x 1000 x 730 / 30
	nanoe X Generator			Mark 2
				CU-2WZ71YBE5
Outdoor unit	Sound pressure	Cool / Heat (air to air)	dB(A)	49 / 49
	Sound power [7]	Cool / Heat (air to air)	dB(A)	68 / 67
	Sound pressure	Heat (air to water)	dB(A)	51
	Sound power [8]	Heat (air to water)	dB(A)	61
	Dimension / Net weight	H x W x D	mm / kg	999 x 940 x 340 / 82
	Refrigerant (R32) / CO_2 Eq.		kg / T	2,40 / 1,62
	Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)
	Pipe length range / Elevation difference (in / out)		m / m	35 / 30
	Pre-charged pipe length / Additional gas amount		m / g/m	30 / 20
	Operating range - outdoor ambient	Heat (air to air)	°C	-15 ~ +24
		Cool (air to air)	°C	-10 ~ +46
		Heat (air to water)	°C	-15 ~ +35
		Heat recovery (floor / DHW)	°C	+10 ~ +35 / +10 ~ +46

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) EER and COP calculation is based in accordance to EN 14511. 4) SEER and SCOP is calculated based on values of EU/626/2011. 5) Medium external static pressure setting from factory. 6) The sound pressure of the units shows the value measured of the position 1,5 m below the unit. The sound pressure is measured in accordance with Eurovent 6/C/006-97 specification. 7) Sound power is measured in accordance with EN 14511 and EN 12102-1:2017 at +7 °C. 8) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C.

R32 REFRIGERANT | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | DHW | -15 °C HEATING MODE | WATER FILTER WITH MAGNET | FLOW SENSOR | HEAT RECOVERY PORT | ADVANCED CONTROL | WI-FI INCLUDED | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Wi-Fi adapter included.

Aquarea High Performance All in One 185 L K Series. Single phase · R32

Energy efficiency: COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,50.
Flexibility: 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Single phase (power to indoor)					
Kit 3 kW electric heater			**KIT-ADC03K3E5**	**KIT-ADC05K3E5**	**KIT-ADC07K3E5**	**KIT-ADC09K3E5**	**—**	**—**
Kit 6 kW electric heater			**KIT-ADC03K6E5**	**KIT-ADC05K6E5**	**KIT-ADC07K6E5**	**KIT-ADC09K6E5**	**KIT-ADC12K6E5**	**KIT-ADC16K6E5***
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	3,20 / 5,33	5,00 / 5,10	7,00 / 4,86	9,00 / 4,55	12,10 / 4,78	16,00 / 4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	3,20 / 2,81	5,00 / 3,03	7,00 / 2,92	8,90 / 2,93	12,00 / 2,96	14,70 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	3,20 / 3,64	5,00 / 3,57	6,85 / 3,43	7,00 / 3,40	11,50 / 3,44	13,00 / 3,18
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	3,20 / 2,19	5,00 / 2,29	6,25 / 2,23	6,30 / 2,18	9,20 / 2,25	10,00 / 2,24
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	3,30 / 2,80	5,00 / 2,79	5,75 / 2,95	6,25 / 2,84	10,10 / 2,74	11,70 / 2,61
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	3,20 / 1,79	5,00 / 1,89	5,35 / 1,98	5,90 / 1,93	8,40 / 1,97	9,10 / 1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	3,20 / 3,52	5,00 / 3,05	6,70 / 3,03	8,20 / 2,72	10,70 / 2,68	12,20 / 2,68
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	3,20 / 4,71	5,00 / 4,90	6,70 / 4,72	9,00 / 4,18	10,70 / 3,92	13,00 / 3,80
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,07/3,47 (200/136)	5,12/3,63 (202/142)	4,90/3,62 (193/142)	4,44/3,41 (175/133)	4,58/3,33 (180/130)	4,46/3,40 (176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,20/4,20 (245/165)	6,00/4,20 (237/165)	5,75/4,07 (227/160)	5,75/4,07 (227/160)	6,47/4,34 (256/171)	6,20/4,30 (245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,00/2,83 (157/110)	4,08/2,95 (160/115)	4,18/2,98 (164/116)	4,18/2,98 (164/116)	4,31/3,26 (169/127)	4,28/3,10 (168/121)
	Energy class [1]	A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A++	A++/A+
Indoor unit 3 kW electric heater			**WH-ADC0309K3E5**	**WH-ADC0309K3E5**	**WH-ADC0309K3E5**	**WH-ADC0309K3E5**	**—**	**—**
Indoor unit 6 kW electric heater			**WH-ADC0309K6E5**	**WH-ADC0309K6E5**	**WH-ADC0309K6E5**	**WH-ADC0309K6E5**	**WH-ADC0912K6E5**	**WH-ADC16K6E5**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28	33 / 33	33 / 33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight 3 kW / 6 kW		kg	100 / 101	100 / 101	100 / 101	100 / 101	— / 101	— / 101
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	9,2	14,3	20,1	25,8	34,4	45,8
Water volume		L	185	185	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+/A++/A	A+/A++/A	A+/A++/A	A+/A++/A	A+/A/A	A+/A/A
DHW tank ERP average climate η / COPdHW		ηwh % / COPdHW	128 / 3,20	140 / 3,50	140 / 3,50	140 / 3,50	100 / 2,50	100 / 2,50
DHW tank ERP warm climate η / COPdHW		ηwh % / COPdHW	154 / 3,86	160 / 4,00	160 / 4,00	160 / 4,00	116 / 2,90	116 / 2,90
DHW tank ERP cold climate η / COPdHW		ηwh % / COPdHW	99 / 2,48	112 / 2,80	112 / 2,80	112 / 2,80	80 / 2,00	80 / 2,00
Outdoor unit			**WH-UDZ03KE5**	**WH-UDZ05KE5**	**WH-UDZ07KE5**	**WH-UDZ09KE5**	**WH-UDZ12KE5**	**WH-UDZ16KE5**
Sound power [3]	Heat	dB(A)	55	55	56	56	65	65
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298 / 37	795 x 875 x 380 / 55	795 x 875 x 380 / 55	795 x 875 x 380 / 55	1340 x 900 x 320 / 88	1340 x 900 x 320 / 88
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9 / 0,608	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878	1,6 / 1,080	1,6 / 1,080
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,7)	1/4(6,35)/5/8(15,88)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 25 / 20	3 ~ 40 (3 ~ 50) [4] / 30	3 ~ 40 (3 ~ 50) [4] / 30	3 ~ 40 (3 ~ 50) [4] / 30	3~30 (3~50) [5] / 20 (30) [5]	3~30 (3~50) [5] / 20 (30) [5]
Pre-charged pipe length / Additional gas amount		m / g/m	10 / 20	10 / 25	10 / 25	10 / 25	10 / 30	10 / 30
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [6]	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information	**Heater**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**6 kW**	**6 kW**
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00	3,00	6,00	6,00	6,00
Recommended fuse [7]	A	16 / 16	16 / 30	16 / 16	16 / 30	25 / 16	25 / 30	25 / 16	25 / 30	30 / 30	30 / 30
Recommended minimum cable size, supply 1 / 2 [7]	mm²	3x1,5 / 3x1,5	3x1,5 / 3x4,0	3x1,5 / 3x1,5	3x1,5 / 3x4,0	3x2,5 / 3x1,5	3x2,5 / 3x4,0	3x2,5 / 3x1,5	3x2,5 / 3x4,0	3x4,0 / 3x4,0	3x4,0 / 3x4,0

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 5) Ambient temperature down to -10 °C. Below -10 °C, permitted piping length and elevation difference is 3 ~ 30 m, 20 m. 6) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 7) Check local regulations. * Available in Summer 2025. Tentative data. ** EER and COP calculation is based in accordance to EN 14511. *** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea High Performance All in One 185 L K Series. Single phase with Electrical Anode · R32

Energy efficiency: COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,50.
Flexibility: 599 x 602 footprint / Built-in magnetic water filter / Installation in harsh water conditions.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

A++ ErP 55 °C Scale from A+++ to D
A+++ ErP 35 °C Scale from A+++ to D
A+ DHW Scale from A+ to F

			Single phase (power to indoor)					
Kit 3 kW electric heater		**KIT-**	**ADC03K3E5AN**	**ADC05K3E5AN**	**ADC07K3E5AN**	**ADC09K3E5AN**	—	
Kit 6 kW electric heater		**KIT-**	**ADC03K6E5AN**	**ADC05K6E5AN**	**ADC07K6E5AN**	**ADC09K6E5AN**	**ADC12K6E5AN**	**ADC16K6E5AN***
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	12,10/4,78	16,00/4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	12,00/2,96	14,70/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	11,50/3,44	13,00/3,18
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	9,20/2,25	10,00/2,24
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	10,10/2,74	11,70/2,61
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	8,40/1,97	9,10/1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	10,70/2,68	12,20/2,68
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	10,70/3,92	13,00/3,80
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,07/3,47(200/136)	5,12/3,63(202/142)	4,90/3,62(193/142)	4,44/3,41(175/133)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,20/4,20(245/165)	6,00/4,20(237/165)	5,75/4,07(227/160)	5,75/4,07(227/160)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,00/2,83(157/110)	4,08/2,95(160/115)	4,18/2,98(164/116)	4,18/2,98(164/116)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class [1]	A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A++	A++/A+
Indoor unit 3 kW electric heater		**WH-**	**ADC0309K3E5AN**	**ADC0309K3E5AN**	**ADC0309K3E5AN**	**ADC0309K3E5AN**	—	—
Indoor unit 6 kW electric heater		**WH-**	**ADC0309K6E5AN**	**ADC0309K6E5AN**	**ADC0309K6E5AN**	**ADC0309K6E5AN**	**ADC0912K6E5AN**	**ADC16K6E5AN**
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	28/28	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight 3 kW / 6 kW		kg	100/101	100/101	100/101	100/101	—/101	—/101
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	9,2	14,3	20,1	25,8	34,4	45,8
Water volume		L	185	185	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+/A++/A	A+/A++/A	A+/A++/A	A+/A++/A	A+/A/A	A+/A/A
DHW tank ERP average climate η / COPdHW		ηwh%/COPdHW	128/3,20	140/3,50	140/3,50	140/3,50	100/2,50	100/2,50
DHW tank ERP warm climate η / COPdHW		ηwh%/COPdHW	154/3,86	160/4,00	160/4,00	160/4,00	116/2,90	116/2,90
DHW tank ERP cold climate η / COPdHW		ηwh%/COPdHW	99/2,48	112/2,80	112/2,80	112/2,80	80/2,00	80/2,00
Outdoor unit			**WH-UDZ03KE5**	**WH-UDZ05KE5**	**WH-UDZ07KE5**	**WH-UDZ09KE5**	**WH-UDZ12KE5**	**WH-UDZ16KE5**
Sound power [3]	Heat	dB(A)	55	55	56	56	65	65
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298/37	795 x 875 x 380/55	795 x 875 x 380/55	795 x 875 x 380/55	1340 x 900 x 320/88	1340 x 900 x 320/88
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878	1,6/1,080	1,6/1,080
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,7)	1/4(6,35)/5/8(15,88)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 25/20	3 ~ 40 (3 ~ 50) [4]/30	3 ~ 40 (3 ~ 50) [4]/30	3 ~ 40 (3 ~ 50) [4]/30	3 ~ 30(3~50) [5]/20(30) [5]	3~30(3~50) [5]/20(30) [5]
Pre-charged pipe length / Additional gas amount		m / g/m	10/20	10/25	10/25	10/25	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [6]	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information	**Heater**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**6 kW**	**6 kW**
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00	3,00	6,00	6,00	6,00
Recommended fuse [7]	A	16/16	16/30	16/16	16/30	25/16	25/30	25/16	25/30	30/30	30/30
Recommended minimum cable size, supply 1 / 2 [7]	mm²	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x1,5/ 3x1,5	3x1,5/ 3x4,0	3x2,5/ 3x1,5	3x2,5/ 3x4,0	3x2,5/ 3x1,5	3x2,5/ 3x4,0	3x4,0/3x4,0	3x4,0/3x4,0

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -10 °C in heating with 3 ~ 50 m pipe length range. 5) Ambient temperature down to -10 °C. Below -10 °C, permitted piping length and elevation difference is 3 ~ 30 m, 20 m. 6) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 7) Check local regulations. * Available in Summer 2025. Tentative data. ** EER and COP calculation is based in accordance to EN 14511. *** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | A+ DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5,33 COP HIGH PERFORMANCE | DHW | -25 °C HEATING MODE | WATER FILTER WITH MAGNET | 60°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

NEW Aquarea High Performance All in One 260 L K Series. Single phase with Electrical Anode· R32

Energy efficiency: COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,08.
Flexibility: 260 L DHW tank / 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Single phase (power to indoor)			
Kit			**KIT-ADC12K6E53**	**KIT-ADC16K6E53**	**KIT-ADC12K6E5AN3**	**KIT-ADC16K6E5AN3**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,10/4,78	16,00/4,31	12,10/4,78	16,00/4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,00/2,96	14,70/2,72	12,00/2,96	14,70/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	11,50/3,44	13,00/3,18	11,50/3,44	13,00/3,18
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,20/2,25	10,00/2,24	9,20/2,25	10,00/2,24
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,10/2,74	11,70/2,61	10,10/2,74	11,70/2,61
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,40/1,97	9,10/1,85	8,40/1,97	9,10/1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	10,70/2,68	12,20/2,68	10,70/2,68	12,20/2,68
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	10,70/3,92	13,00/3,80	10,70/3,92	13,00/3,80
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,58/3,33 (180/130)	4,46/3,40 (176/133)	4,58/3,33 (180/130)	4,46/3,40 (176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34 (256/171)	6,20/4,30 (245/169)	6,47/4,34 (256/171)	6,20/4,30 (245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26 (169/127)	4,28/3,10 (168/121)	4,31/3,26 (169/127)	4,28/3,10 (168/121)
	Energy class [1]	A+++ to D	A++/A++	A++/A+	A++/A++	A++/A+
Indoor unit			**WH-ADC0912K6E53**	**WH-ADC16K6E53**	**WH-ADC0912K6E5AN3**	**WH-ADC16K6E5AN3**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	119	119	119	120
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	34,4	34,4	34,4	45,8
Water volume		L	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+/A/A	A+/A/A	A+/A/A	A+/A/A
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	100/2,50	100/2,50	100/2,50	100/2,50
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	116/2,90	116/2,90	116/2,90	116/2,90
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	80/2,00	80/2,00	80/2,00	80/2,00
Outdoor unit			**WH-UDZ12KE5**	**WH-UDZ16KE5**	**WH-UDZ12KE5**	**WH-UDZ16KE5**
Sound power [3]	Heat	dB(A)	65	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/88
Refrigerant (R32) / CO_2 Eq.		kg / T	1,6/1,080	1,6/1,080	1,6/1,080	1,6/1,080
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35)/1/2 (12,7)	1/4 (6,35)/5/8 (15,88)	1/4 (6,35)/1/2 (12,7)	1/4 (6,35)/5/8 (15,88)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 30 (3 ~ 50) [5]/20 (30) [5]	3 ~ 30 (3 ~ 50) [5]/20 (30) [5]	3 ~ 30 (3 ~ 50) [5]/20 (30) [5]	3 ~ 30 (3 ~ 50) [5]/20 (30) [5]
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information		**WH-ADC0912K6E53**	**WH-ADC16K6E53**	**WH-ADC0912K6E5AN3**	**WH-ADC16K6E5AN3**
Electric backup heater	kW	6,00	6,00	6,00	6,00
Recommended fuse [5]	A	30/30	30/30	30/30	30/30
Recommended minimum cable size, supply 1 / 2 [5]	mm²	3x4,0/3x4,0	3x4,0/3x4,0	3x4,0/3x4,0	3x4,0/3x4,0

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. 4) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea High Performance All in One 185 L K Series. Single phase 2 zones · R32

Energy efficiency: COP up to 5,33 / A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,50.
Flexibility: 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter / 2 zone control.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

A++ ErP 55 °C Scale from A+++ to D
A+++ ErP 35 °C Scale from A+++ to D
A+ DHW Scale from A+ to F

			Single phase (power to indoor)			
Kit			**KIT-ADC03K3E5B**	**KIT-ADC05K3E5B**	**KIT-ADC07K3E5B**	**KIT-ADC09K3E5B**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	3,20 / 5,33	5,00 / 5,10	7,00 / 4,86	9,00 / 4,55
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	3,20 / 2,81	5,00 / 3,03	7,00 / 2,92	8,90 / 2,93
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	3,20 / 3,64	5,00 / 3,57	6,85 / 3,43	7,00 / 3,40
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	3,20 / 2,19	5,00 / 2,29	6,25 / 2,23	6,30 / 2,18
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	3,30 / 2,80	5,00 / 2,79	5,75 / 2,95	6,25 / 2,84
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	3,20 / 1,79	5,00 / 1,89	5,35 / 1,98	5,90 / 1,93
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	3,20 / 3,52	5,00 / 3,05	6,70 / 3,03	8,20 / 2,72
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	3,20 / 4,71	5,00 / 4,90	6,70 / 4,72	9,00 / 4,18
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,07 / 3,47 (200 / 136)	5,12 / 3,63 (202 / 142)	4,90 / 3,62 (193 / 142)	4,44 / 3,41 (175 / 133)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,20 / 4,20 (245 / 165)	6,00 / 4,20 (237 / 165)	5,75 / 4,07 (227 / 160)	5,75 / 4,07 (227 / 160)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,00 / 2,83 (157 / 110)	4,08 / 2,95 (160 / 115)	4,18 / 2,98 (164 / 116)	4,18 / 2,98 (164 / 116)
	Energy class [1]	A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-ADC0309K3E5B**	**WH-ADC0309K3E5B**	**WH-ADC0309K3E5B**	**WH-ADC0309K3E5B**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	109	109	109	109
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed
	Input power (Min / Max)	W	30 / 120	30 / 120	30 / 120	30 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	9,2	14,3	20,1	25,8
Water volume		L	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A
DHW tank ERP average climate η / COPdHW		ηwh% / COPdHW	128 / 3,20	140 / 3,50	140 / 3,50	140 / 3,50
DHW tank ERP warm climate η / COPdHW		ηwh% / COPdHW	154 / 3,86	160 / 4,00	160 / 4,00	160 / 4,00
DHW tank ERP cold climate η / COPdHW		ηwh% / COPdHW	99 / 2,48	112 / 2,80	112 / 2,80	112 / 2,80
Outdoor unit			**WH-UDZ03KE5**	**WH-UDZ05KE5**	**WH-UDZ07KE5**	**WH-UDZ09KE5**
Sound power [3]	Heat	dB(A)	55	55	56	56
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298 / 37	795 x 875 x 380 / 55	795 x 875 x 380 / 55	795 x 875 x 380 / 55
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9 / 0,608	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 5/8 (15,88)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 25 / 20	3 ~ 40 (3 ~ 50) [4] / 30	3 ~ 40 (3 ~ 50) [4] / 30	3 ~ 40 (3 ~ 50) [4] / 30
Pre-charged pipe length / Additional gas amount		m / g/m	10 / 20	10 / 25	10 / 25	10 / 25
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information		**WH-ADC0309K3E5B**	**WH-ADC0309K3E5B**	**WH-ADC0309K3E5B**	**WH-ADC0309K3E5B**
Electric backup heater	kW	3,00	3,00	3,00	3,00
Recommended fuse [5]	A	16 / 16	16 / 16	25 / 16	25 / 16
Recommended minimum cable size, supply 1 / 2 [5]	mm²	3x1,5 / 3x1,5	3x1,5 / 3x1,5	3x2,5 / 3x1,5	3x2,5 / 3x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. 4) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | A+ DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5,33 COP HIGH PERFORMANCE | DHW | -25 °C HEATING MODE | WATER FILTER WITH MAGNET | 60°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea High Performance All in One 185 L K Series. Three phase · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel.
Flexibility: 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Three phase (power to indoor)		
Kit			**KIT-ADC09K9E8**	**KIT-ADC12K9E8**	**KIT-ADC16K9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/4,90	12,10/4,78	16,00/4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/2,97	12,00/2,96	14,70/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,63	11,50/3,44	13,20/3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,26	9,20/2,25	10,00/2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/2,88	10,10/2,74	11,60/2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,10/2,07	8,40/1,97	9,10/1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A+
Indoor unit			**WH-ADC0912K9E8**	**WH-ADC0912K9E8**	**WH-ADC16K9E8**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	102	102	103
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	45,9
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A/A+/A	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	100/2,50	100/2,50	96/2,40
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	116/2,90	116/2,90	115/2,88
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	80/2,00	80/2,00	76/1,90
Outdoor unit			**WH-UDZ09KE8**	**WH-UDZ12KE8**	**WH-UDZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-25~+35	-25~+35	-25~+35
	Cool	°C	+10~+43	+10~+43	+10~+43
Water outlet [4]	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20

Electrical information		**WH-ADC0912K9E8**	**WH-ADC0912K9E8**	**WH-ADC16K9E8**
Electric backup heater	kW	9,00	9,00	9,00
Recommended fuse [5]	A	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea High Performance All in One 185 L K Series. Three phase with Electrical Anode · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel.
Flexibility: 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter / Installation in harsh water conditions.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Three phase (power to indoor)		
Kit			**KIT-ADC09K9E8AN**	**KIT-ADC12K9E8AN**	**KIT-ADC16K9E8AN**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/4,90	12,10/4,78	16,00/4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/2,97	12,00/2,96	14,70/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,63	11,50/3,44	13,20/3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,26	9,20/2,25	10,00/2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/2,88	10,10/2,74	11,60/2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,10/2,07	8,40/1,97	9,10/1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A+
Indoor unit			**WH-ADC0912K9E8AN**	**WH-ADC0912K9E8AN**	**WH-ADC16K9E8AN**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	102	102	103
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	45,9
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A/A+/A	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHW		ηwh%/COPdHW	100/2,50	100/2,50	96/2,40
DHW tank ERP warm climate η / COPdHW		ηwh%/COPdHW	116/2,90	116/2,90	115/2,88
DHW tank ERP cold climate η / COPdHW		ηwh%/COPdHW	80/2,00	80/2,00	76/1,90
Outdoor unit			**WH-UDZ09KE8**	**WH-UDZ12KE8**	**WH-UDZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-25~+35	-25~+35	-25~+35
	Cool	°C	+10~+43	+10~+43	+10~+43
Water outlet [4]	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20

Electrical information		**WH-ADC0912K9E8AN3**	**WH-ADC0912K9E8AN3**	**WH-ADC16K9E8AN3**
Electric backup heater	kW	9,00	9,00	9,00
Recommended fuse [5]	A	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

NEW Aquarea High Performance All in One 260 L K Series. Three phase · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel.
Flexibility: 260 L DHW tank / 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Three phase (power to indoor)		
Kit			**KIT-ADC09K9E83**	**KIT-ADC12K9E83**	**KIT-ADC16K9E83**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/4,90	12,10/4,78	16,00/4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/2,97	12,00/2,96	14,70/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,63	11,50/3,44	13,20/3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,26	9,20/2,25	10,00/2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/2,88	10,10/2,74	11,60/2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,10/2,07	8,40/1,97	9,10/1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A+
Indoor unit			**WH-ADC0912K9E83**	**WH-ADC0912K9E83**	**WH-ADC16K9E83**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33
Dimension	H x W x D	mm	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	119	119	120
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	46,0
Water volume		L	260	260	260
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			XL	XL	XL
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+/A+/A	A+/A+/A	A+/A+/A
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	123/3,08	123/3,08	98/2,45
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	134/3,35	134/3,35	123/3,08
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	94/2,35	94/2,35	80/2,00
Outdoor unit			**WH-UDZ09KE8**	**WH-UDZ12KE8**	**WH-UDZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-25~+35	-25~+35	-25~+35
	Cool	°C	+10~+43	+10~+43	+10~+43
Water outlet	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20

Electrical information		**WH-ADC0912K9E83**	**WH-ADC0912K9E83**	**WH-ADC16K9E83**
Electric backup heater	kW	9,00	9,00	9,00
Recommended fuse [5]	A	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. 4) Operation range down to -25 °C in heating with 3~40 m pipe length range, operation range down to -15 °C in heating with 3~50 m pipe length range. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

NEW Aquarea High Performance All in One 260 L K Series. Three phase with Electrical Anode · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel.
Flexibility: 260 L DHW tank / 599 x 602 footprint / Easy access to hydraulic parts / Built-in magnetic water filter / Installation in harsh water conditions.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Three phase (power to indoor)		
Kit			**KIT-ADC09K9E8AN3**	**KIT-ADC12K9E8AN3**	**KIT-ADC16K9E8AN3**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00 / 4,90	12,10 / 4,78	16,00 / 4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00 / 2,97	12,00 / 2,96	14,70 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00 / 3,63	11,50 / 3,44	13,20 / 3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00 / 2,26	9,20 / 2,25	10,00 / 2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00 / 2,88	10,10 / 2,74	11,60 / 2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,10 / 2,07	8,40 / 1,97	9,10 / 1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80 / 3,11	10,70 / 2,68	13,40 / 2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80 / 4,63	10,70 / 3,92	15,50 / 3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96 / 3,57 (195 / 140)	4,58 / 3,33 (180 / 130)	4,46 / 3,40 (176 / 133)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	6,20 / 4,30 (245 / 169)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	4,28 / 3,10 (168 / 121)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++	A++ / A+
Indoor unit			**WH-ADC0912K9E8AN3**	**WH-ADC0912K9E8AN3**	**WH-ADC16K9E8AN3**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	119	119	120
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	45,9
Water volume		L	260	260	260
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			XL	XL	XL
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+ / A+ / A	A+ / A+ / A	A+ / A+ / A
DHW tank ERP average climate η / COPdHW		ηwh% / COPdHW	123 / 3,08	123 / 3,08	98 / 2,45
DHW tank ERP warm climate η / COPdHW		ηwh% / COPdHW	134 / 3,35	134 / 3,35	123 / 3,08
DHW tank ERP cold climate η / COPdHW		ηwh% / COPdHW	94 / 2,35	94 / 2,35	80 / 2,00
Outdoor unit			**WH-UDZ09KE8**	**WH-UDZ12KE8**	**WH-UDZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 90	1340 x 900 x 320 / 90	1340 x 900 x 320 / 103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60 / 1,080	1,60 / 1,080	1,83 / 1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20
Pre-charged pipe length / Additional gas amount		m / g/m	10 / 30	10 / 30	10 / 30
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information		**WH-ADC0912K9E8AN3**	**WH-ADC0912K9E8AN3**	**WH-ADC16K9E8AN3**
Electric backup heater	kW	9,00	9,00	9,00
Recommended fuse [5]	A	20 / 20	20 / 20	20 / 20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	5x1,5 / 5x1,5	5x1,5 / 5x1,5	5x2,5 / 5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. 4) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea High Performance Bi-bloc K Series. Single phase - SDC · R32

Energy efficiency: COP up to 5,33 / A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.
Flexibility: Long piping lengths / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Single phase (power to indoor)					
Kit 3 kW electric heater			**KIT-WC03K3E5**	**KIT-WC05K3E5**	**KIT-WC07K3E5**	**KIT-WC09K3E5**	—	
Kit 6 kW electric heater			**KIT-WC03K6E5**	**KIT-WC05K6E5**	**KIT-WC07K6E5**	**KIT-WC09K6E5**	**KIT-WC12K6E5**	**KIT-WC16K6E5**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	3,20 / 5,33	5,00 / 5,10	7,00 / 4,86	9,00 / 4,55	12,10 / 4,78	16,00 / 4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	3,20 / 2,81	5,00 / 3,03	7,00 / 2,92	8,90 / 2,93	12,00 / 2,96	14,70 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	3,20 / 3,64	5,00 / 3,57	6,85 / 3,43	7,00 / 3,40	11,50 / 3,44	13,00 / 3,18
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	3,20 / 2,19	5,00 / 2,29	6,25 / 2,23	6,30 / 2,18	9,20 / 2,25	10,00 / 2,24
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	3,30 / 2,80	5,00 / 2,79	5,75 / 2,95	6,25 / 2,84	10,10 / 2,74	11,70 / 2,61
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	3,20 / 1,79	5,00 / 1,89	5,35 / 1,98	5,90 / 1,93	8,40 / 1,97	9,10 / 1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	3,20 / 3,52	5,00 / 3,05	6,70 / 3,03	8,20 / 2,72	10,70 / 2,68	12,20 / 2,68
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	3,20 / 4,71	5,00 / 4,90	6,70 / 4,72	9,00 / 4,18	10,70 / 3,92	13,00 / 3,80
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,07/3,47(200/136)	5,12/3,63(202/142)	4,90/3,62(193/142)	4,44/3,41(175/133)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,20/4,20(245/165)	6,00/4,20(237/165)	5,75/4,07(227/160)	5,75/4,07(227/160)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,00/2,83(157/110)	4,08/2,95(160/115)	4,18/2,98(164/116)	4,18/2,98(164/116)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class [1]	A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A++	A++/A+
Indoor unit 3 kW electric heater		**WH-**	**SDC0309K3E5**	**SDC0309K3E5**	**SDC0309K3E5**	**SDC0309K3E5**	—	—
Indoor unit 6 kW electric heater		**WH-**	**SDC0309K6E5**	**SDC0309K6E5**	**SDC0309K6E5**	**SDC0309K6E5**	**SDC12K6E5**	**SDC16K6E5**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	30 / 30	30 / 31	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348
Net weight 3 kW / 6 kW		kg	40 / 41	40 / 41	40 / 41	40 / 41	41	41
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	9,2	14,3	20,1	25,8	34,4	45,8
Outdoor unit			**WH-UDZ03KE5**	**WH-UDZ05KE5**	**WH-UDZ07KE5**	**WH-UDZ09KE5**	**WH-UDZ12KE5**	**WH-UDZ16KE5**
Sound power [2]	Heat	dB(A)	55	55	56	56	65	65
Dimension	H x W x D	mm	622 x 824 x 298	795 x 875 x 380	795 x 875 x 380	795 x 875 x 380	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	37	55	55	55	88	88
Refrigerant (R32) / CO_2 Eq.		kg / T	0,9 / 0,608	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878	1,6 / 1,080	1,6 / 1,080
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,7)	1/4(6,35)/5/8(15,88)
Pipe length range		m	3 ~ 25	3 ~ 40 (3 ~ 50) [3]	3 ~ 40 (3 ~ 50) [3]	3 ~ 40 (3 ~ 50) [3]	3 ~ 30	3 ~ 30
Elevation difference (in / out)		m	20	30	30	30	20	20
Pre-charged pipe length		m	10	10	10	10	10	10
Additional gas amount		g/m	20	25	25	25	30	30
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [4]	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information	**Heater**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**3 kW**	**6 kW**	**6 kW**	**6 kW**
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00	3,00	6,00	6,00	6,00
Recommended fuse [5]	A	16 / 16	16 / 30	16 / 16	16 / 30	25 / 16	25 / 30	25 / 16	25 / 30	30 / 30	30 / 30
Recommended minimum cable size, supply 1 / 2 [5]	mm²	3x1,5 / 3x1,5	3x1,5 / 3x4,0	3x1,5 / 3x1,5	3x1,5 / 3x4,0	3x2,5 / 3x1,5	3x2,5 / 3x4,0	3x2,5 / 3x1,5	3x2,5 / 3x4,0	3x4,0 / 3x4,0	3x4,0 / 3x4,0

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825. 3) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
CZ-NV2	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories	
PAW-BTANK50L-2	Buffer tank 50 L
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5,33 COP HIGH PERFORMANCE | DHW | -25 °C HEATING MODE | WATER FILTER WITH MAGNET | 60°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea High Performance Bi-bloc K Series. Three phase - SDC · R32

Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.
Flexibility: Long piping lengths / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Three phase (power to indoor)		
Kit 3 kW electric heater			**KIT-WC09K3E8**	—	—
Kit 9 kW electric heater			**KIT-WC09K9E8**	**KIT-WC12K9E8**	**KIT-WC16K9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00 / 4,90	12,10 / 4,78	16,00 / 4,31
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00 / 2,97	12,00 / 2,96	14,70 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00 / 3,63	11,50 / 3,44	13,20 / 3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00 / 2,26	9,20 / 2,25	10,00 / 2,21
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00 / 2,88	10,10 / 2,74	11,60 / 2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,10 / 2,07	8,40 / 1,97	9,10 / 1,85
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80 / 3,11	10,70 / 2,68	13,40 / 2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80 / 4,63	10,70 / 3,92	15,50 / 3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96 / 3,57 (195 / 140)	4,58 / 3,33 (180 / 130)	4,46 / 3,40 (176 / 133)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	6,20 / 4,30 (245 / 169)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	4,28 / 3,10 (168 / 121)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++	A++ / A+
Indoor unit 3 kW electric heater			**WH-SDC09K3E8**	—	—
Indoor unit 9 kW electric heater			**WH-SDC09K9E8**	**WH-SDC12K9E8**	**WH-SDC16K9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348
Net weight 3 kW / 9 kW		kg	40 / 41	— / 41	— / 41
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	45,9
Outdoor unit			**WH-UDZ09KE8**	**WH-UDZ12KE8**	**WH-UDZ16KE8**
Sound power [2]	Heat	dB(A)	65	65	65
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	90	90	103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60 / 1,080	1,60 / 1,080	1,83 / 1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in / out)		m	20	20	20
Pre-charged pipe length		m	10	10	10
Additional gas amount		g/m	30	30	30
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [3]	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information		**3 kW heater**	**9 kW heater**	**9 kW heater**	**9 kW heater**
Electric backup heater	kW	3,00	9,00	9,00	9,00
Recommended fuse [4]	A	20 / 15 / 16	20 / 20	20 / 20	20 / 20
Recommended minimum cable size, supply 1 / 2 [4]	mm²	5x1,5 / 3x1,5	5x1,5 / 5x1,5	5x1,5 / 5x1,5	5x2,5 / 5x1,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825. 3) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 4) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
CZ-NV2	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories	
PAW-BTANK50L-2	Buffer tank 50 L
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea K Series

Aquarea K Series gives you even more.
Highly efficient Panasonic solutions can help to significantly reduce the energy consumption of the house, at the same time a high level of comfort and good indoor air quality are kept.

Ventilation unit on top for a low-energy house

Heat recovery ventilation units are ideal for homes, for these owners who are looking for high performance and maximum comfort.
Combine the Residential ventilation unit with Panasonic Aquarea for an space saving and highly efficient solution for heating, cooling, ventilation and DHW.

Aquarea + PV panels

Aquarea Heat Pumps can synchronise with PV panels, using the optional PCB CZ-NS5P. Thanks to this feature, demand of heating, cooling and domestic hot water production is adapted to the PV panel production.

Smart Grid Ready

Aquarea K Series heat pumps in combination with the optional PCB CZ-NS5P hold the SG Ready function, allowing the heat pump to be connected in an intelligent grid control.

Remote controller designed in harmony with the whole system, with optimised user interface and improved features.

Smart bivalency.
Cost effective bivalent mode with power tariff logic.

Optimised user interface.
Each touch point designed in harmony, with optimised user interface across the range.

Dual controller system.
A dual controller system, for independent control of two zones, within the home.

Aquarea T-CAP All in One 185 L K Series. Single phase / Three phase · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.
Flexibility: 599 x 602 footprint / Built-in magnetic water filter.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

A++ ErP 55 °C Scale from A+++ to D
A+++ ErP 35 °C Scale from A+++ to D
A+ DHW Scale from A+ to F

			Single phase (power to indoor)		Three phase (power to indoor)		
Kit			**KIT-AXC09K6E5**	**KIT-AXC12K6E5**	**KIT-AXC09K9E8**	**KIT-AXC12K9E8**	**KIT-AXC16K9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,58/3,46(180/135)	4,46/3,31(176/129)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(150/125)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Indoor unit			**WH-ADC0912K6E5**	**WH-ADC0912K6E5**	**WH-ADC0912K9E8**	**WH-ADC0912K9E8**	**WH-ADC16K9E8**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	101	101	102	102	103
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	173
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Water volume		L	185	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A/A+/A	A/A+/A	A/A+/A	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHW		ηwh%/COPdHW	112/2,80	112/2,80	112/2,80	112/2,80	107/2,68
DHW tank ERP warm climate η / COPdHW		ηwh%/COPdHW	132/3,30	132/3,30	132/3,30	132/3,30	128/3,20
DHW tank ERP cold climate η / COPdHW		ηwh%/COPdHW	88/2,20	88/2,20	88/2,20	88/2,20	84/2,10
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**	**WH-UXZ09KE8**	**WH-UXZ12KE8**	**WH-UXZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 30/20	3 ~ 30/20	3 ~ 30/20	3 ~ 30/20	3 ~ 30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [4]	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information		**WH-ADC0912K6E5**	**WH-ADC0912K6E5**	**WH-ADC0912K9E8**	**WH-ADC0912K9E8**	**WH-ADC16K9E8**
Electric backup heater	kW	6,00	6,00	9,00	9,00	9,00
Recommended fuse [5]	A	30/30	30/30	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | A+ DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | -20°C CONSTANT HEATING T-CAP | DHW | -28 °C HEATING MODE | WATER FILTER WITH MAGNET | 60°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea T-CAP All in One 185 L K Series. Single phase / Three phase with Electrical Anode · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.
Flexibility: 599 x 602 footprint / Built-in magnetic water filter.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

A++ ErP 55 °C Scale from A+++ to D
A+++ ErP 35 °C Scale from A+++ to D
A+ DHW Scale from A+ to F

			Single phase (power to indoor)		Three phase (power to indoor)		
Kit			**KIT-AXC09K6E5AN**	**KIT-AXC12K6E5AN**	**KIT-AXC09K9E8AN**	**KIT-AXC12K9E8AN**	**KIT-AXC16K9E8AN**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57 (195/140)	4,96/3,57 (195/140)	4,96/3,57 (195/140)	4,58/3,46 (180/135)	4,46/3,31 (176/129)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34 (256/171)	6,47/4,34 (256/171)	6,47/4,34 (256/171)	6,47/4,34 (256/171)	5,88/4,09 (232/160)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26 (169/127)	4,31/3,26 (169/127)	4,31/3,26 (169/127)	4,31/3,26 (169/127)	3,83/3,20 (150/125)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Indoor unit		**WH-**	**ADC0912K6E5AN**	**ADC0912K6E5AN**	**ADC0912K9E8AN**	**ADC0912K9E8AN**	**ADC16K9E8AN**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	101	101	102	102	103
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	173
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Water volume		L	185	185	185	185	185
Maximum DHW temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A/A+/A	A/A+/A	A/A+/A	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	112/2,80	112/2,80	112/2,80	112/2,80	107/2,68
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	132/3,30	132/3,30	132/3,30	132/3,30	128/3,20
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	88/2,20	88/2,20	88/2,20	88/2,20	84/2,10
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**	**WH-UXZ09KE8**	**WH-UXZ12KE8**	**WH-UXZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 30/20	3 ~ 30/20	3 ~ 30/20	3 ~ 30/20	3 ~ 30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information	**WH-**	**ADC0912K6E5AN**	**ADC0912K6E5AN**	**ADC0912K9E8AN**	**ADC0912K9E8AN**	**ADC16K9E8AN**
Electric backup heater	kW	6,00	6,00	9,00	9,00	9,00
Recommended fuse [4]	A	30/30	30/30	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [4]	mm²	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

R32 REFRIGERANT | A++ ErP 55°C | A+++ ErP 35°C | A+ DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | -20°C CONSTANT HEATING T-CAP | DHW | -28 °C HEATING MODE | WATER FILTER WITH MAGNET | 60°C OUTPUT WATER FLOW TEMPERATURE | FLOW SENSOR | BOILER CONNECTION | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea T-CAP All in One 260 L K Series. Single phase / Three phase · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.
Flexibility: 260 L DHW tank / 599 x 602 footprint / Built-in magnetic water filter.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Single phase (power to indoor)		Three phase (power to indoor)		
Kit			**KIT-AXC09K6E53**	**KIT-AXC12K6E53**	**KIT-AXC09K9E83**	**KIT-AXC12K9E83**	**KIT-AXC16K9E83**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00 / 5,03	12,10 / 4,84	9,00 / 5,03	12,10 / 4,84	16,00 / 4,38
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00 / 3,07	12,10 / 3,04	9,00 / 3,07	12,10 / 3,04	16,00 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00 / 3,69	12,00 / 3,44	9,00 / 3,69	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00 / 2,31	12,00 / 2,29	9,00 / 2,31	12,00 / 2,29	16,00 / 2,07
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00 / 3,00	12,00 / 2,72	9,00 / 3,00	12,00 / 2,72	16,00 / 2,39
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00 / 2,10	12,00 / 2,29	9,00 / 2,10	12,00 / 2,29	16,00 / 1,71
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80 / 3,11	10,70 / 2,68	8,80 / 3,11	10,70 / 2,68	13,40 / 2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80 / 4,63	10,70 / 3,92	8,80 / 4,63	10,70 / 3,92	15,50 / 3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96 / 3,57 (195 / 140)	4,96 / 3,57 (195 / 140)	4,96 / 3,57 (195 / 140)	4,58 / 3,46 (180 / 135)	4,46 / 3,31 (176 / 129)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	5,88 / 4,09 (232 / 160)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	3,83 / 3,20 (150 / 125)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-ADC0912K6E53**	**WH-ADC0912K6E53**	**WH-ADC0912K9E83**	**WH-ADC0912K9E83**	**WH-ADC16K9E83**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	119	119	119	119	120
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Water volume		L	260	260	260	260	260
Maximum DHW temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			XL	XL	XL	XL	XL
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+ / A+ / A	A+ / A+ / A	A+ / A+ / A	A+ / A+ / A	A+ / A+ / A
DHW tank ERP average climate η / COPdHW		ηwh% / COPdHW	123 / 3,08	123 / 3,08	123 / 3,08	123 / 3,08	98 / 2,45
DHW tank ERP warm climate η / COPdHW		ηwh% / COPdHW	134 / 3,35	134 / 3,35	134 / 3,35	134 / 3,35	123 / 3,08
DHW tank ERP cold climate η / COPdHW		ηwh% / COPdHW	94 / 2,35	94 / 2,35	94 / 2,35	94 / 2,35	80 / 2,00
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**	**WH-UXZ09KE8**	**WH-UXZ12KE8**	**WH-UXZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 88	1340 x 900 x 320 / 88	1340 x 900 x 320 / 90	1340 x 900 x 320 / 90	1340 x 900 x 320 / 103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60 / 1,080	1,60 / 1,080	1,60 / 1,080	1,60 / 1,080	1,83 / 1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 1/2 (12,70)
Pipe length range / Elevation difference (in / out)		m / m	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20
Pre-charged pipe length / Additional gas amount		m / g/m	10 / 30	10 / 30	10 / 30	10 / 30	10 / 30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [4]	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information		**WH-ADC0912K6E53**	**WH-ADC0912K6E53**	**WH-ADC0912K9E83**	**WH-ADC0912K9E83**	**WH-ADC16K9E83**
Electric backup heater	kW	6,00	6,00	9,00	9,00	9,00
Recommended fuse [5]	A	30 / 30	30 / 30	20 / 20	20 / 20	20 / 20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	3x4,0 / 3x4,0	3x4,0 / 3x4,0	5x1,5 / 5x1,5	5x1,5 / 5x1,5	5x2,5 / 5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea T-CAP All in One 260 L K Series. Single phase / Three phase with Electrical Anode · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.
Flexibility: 260 L DHW tank / 599 x 602 footprint / Built-in magnetic water filter / Installation in harsh water conditions.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Single phase (power to indoor)		Three phase (power to indoor)		
Kit			**KIT-AXC09K6E5AN3**	**KIT-AXC12K6E5AN3**	**KIT-AXC09K9E8AN3**	**KIT-AXC12K9E8AN3**	**KIT-AXC16K9E8AN3**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,58/3,46(180/135)	4,46/3,31(176/129)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(150/125)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Indoor unit		**WH-**	**ADC0912K6E5AN3**	**ADC0912K6E5AN3**	**ADC0912K9E8AN3**	**ADC0912K9E8AN3**	**ADC16K9E8AN3**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	119	119	119	119	120
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Water volume		L	260	260	260	260	260
Maximum DHW temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			XL	XL	XL	XL	XL
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	123/3,08	123/3,08	123/3,08	123/3,08	98/2,45
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	134/3,35	134/3,35	134/3,35	134/3,35	123/3,08
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	94/2,35	94/2,35	94/2,35	94/2,35	80/2,00
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**	**WH-UXZ09KE8**	**WH-UXZ12KE8**	**WH-UXZ16KE8**
Sound power [3]	Heat	dB(A)	65	65	65	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/90	1340 x 900 x 320/90	1340x900x320/103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-28~+35	-28~+35	-28~+35	-28~+35	-28~+35
	Cool	°C	+10~+43	+10~+43	+10~+43	+10~+43	+10~+43
Water outlet [4]	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20

Electrical information	**WH-**	**ADC0912K6E5AN3**	**ADC0912K6E5AN3**	**ADC0912K9E8AN3**	**ADC0912K9E8AN3**	**ADC16K9E8AN3**
Electric backup heater	kW	6,00	6,00	9,00	9,00	9,00
Recommended fuse [5]	A	30/30	30/30	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 [5]	mm²	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea T-CAP Bi-bloc K Series. Single phase / Three phase · R32

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Built-in flow meter.
Flexibility: Built-in magnetic water filter.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C hot water even at -10 °C outside temperature.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

			Single phase (power to indoor)		Three phase (power to indoor)		
Kit 3 kW electric heater			**KIT-WXC09K3E5**	—	**KIT-WXC09K3E8**	—	—
Kit 6 kW electric heater			**KIT-WXC09K6E5**	**KIT-WXC12K6E5**	—	—	—
Kit 9 kW electric heater			—	—	**KIT-WXC09K9E8**	**KIT-WXC12K9E8**	**KIT-WXC16K9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00 / 5,03	12,10 / 4,84	9,00 / 5,03	12,10 / 4,84	16,00 / 4,38
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00 / 3,07	12,10 / 3,04	9,00 / 3,07	12,10 / 3,04	16,00 / 2,72
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00 / 3,69	12,00 / 3,44	9,00 / 3,69	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00 / 2,31	12,00 / 2,29	9,00 / 2,31	12,00 / 2,29	16,00 / 2,07
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00 / 3,00	12,00 / 2,72	9,00 / 3,00	12,00 / 2,72	16,00 / 2,39
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00 / 2,10	12,00 / 2,29	9,00 / 2,10	12,00 / 2,29	16,00 / 1,71
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80 / 3,11	10,70 / 2,68	8,80 / 3,11	10,70 / 2,68	13,40 / 2,64
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80 / 4,63	10,70 / 3,92	8,80 / 4,63	10,70 / 3,92	15,50 / 3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96 / 3,57 (195 / 140)	4,96 / 3,57 (195 / 140)	4,96 / 3,57 (195 / 140)	4,58 / 3,46 (180 / 135)	4,46 / 3,31 (176 / 129)
	Energy class [1]	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	6,47 / 4,34 (256 / 171)	5,88 / 4,09 (232 / 160)
	Energy class [1]	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	4,31 / 3,26 (169 / 127)	3,83 / 3,20 (150 / 125)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Indoor unit 3 kW electric heater			**WH-SXC09K3E5**	—	**WH-SXC09K3E8**	—	—
Indoor unit 6 kW electric heater			**WH-SXC09K6E5**	**WH-SXC12K6E5**	—	—	—
Indoor unit 9 kW electric heater			—	—	**WH-SXC09K9E8**	**WH-SXC12K9E8**	**WH-SXC16K9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348
Net weight 3 kW / 6 kW / 9 kW		kg	40 / 41 / —	— / 41 / —	40 / — / 41	— / — / 41	— / — / 42
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	173
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**	**WH-UXZ09KE8**	**WH-UXZ12KE8**	**WH-UXZ16KE8**
Sound power [2]	Heat	dB(A)	65	65	65	65	65
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	88	88	90	90	103
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60 / 1,080	1,60 / 1,080	1,60 / 1,080	1,60 / 1,080	1,83 / 1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35) / 1/2(12,70)	1/4(6,35) / 1/2(12,70)	1/4(6,35) / 1/2(12,70)	1/4(6,35) / 1/2(12,70)	1/4(6,35) / 1/2(12,70)
Pipe length range / Elevation difference (in / out)		m	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20	3 ~ 30 / 20
Pre-charged pipe length / Additional gas amount		m / g/m	10 / 30	10 / 30	10 / 30	10 / 30	10 / 30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [3]	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information	**Heater**	**3 kW**	**6 kW**	**6 kW**	**3 kW**	**9 kW**	**9 kW**	**9 kW**
Electric backup heater	kW	3,00	6,00	6,00	3,00	9,00	9,00	9,00
Recommended fuse [4]	A	30 / 15 or 16	30 / 30	30 / 30	20 / 15 or 16	20 / 20	20 / 20	20 / 20
Recommended minimum cable size, supply 1 / 2 [4]	mm^2	3x4,0 / 3x1,5	3x4,0 / 3x4,0	3x4,0 / 3x4,0	5x1,5 / 3x1,5	5x1,5 / 5x1,5	5x1,5 / 5x1,5	5x2,5 / 5x1,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825. 3) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 4) Check local regulations. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-RTW1	Optional remote controller for 2 zone control. K and L Series
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
CZ-NV2	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories	
PAW-BTANK50L-2	Buffer tank 50 L
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS5P	PCB for advanced functions
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

INTERNET CONTROL: Optional.

Aquarea T-CAP All in One H Series. Three phase. Super Quiet outdoor unit · R410A

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.
Flexibility: Optional magnet for the water filter.
Comfort: Low noise level / Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C water outlet temperature.
Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

011-1W0510
011-1W0511

ErP 55 °C Scale from A+++ to D
ErP 35 °C Scale from A+++ to D
DHW Scale from A+ to F

			Three phase (power to indoor)		
Kit			**KIT-AQC09HE8**	**KIT-AQC12HE8**	**KIT-AQC16HE8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/2,94	12,00/2,88	16,00/2,71
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,59	12,00/3,44	16,00/3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,21	12,00/2,19	16,00/2,13
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/2,85	12,00/2,72	16,00/2,49
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,02	12,00/1,92	16,00/1,86
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	7,00/3,17	10,00/2,81	12,20/2,57
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	7,00/5,19	10,00/5,13	12,20/3,49
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,59/3,32(181/130)	4,32/3,32(170/130)	4,08/3,20(160/125)
	Energy class [1]	A+++ to D	A+++/A++	A++/A++	A++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,95/4,02(235/158)	5,86/4,02(231/158)	5,86/4,05(231/159)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,08/3,20(160/125)	4,08/3,20(160/125)	3,83/3,20(150/125)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++
Indoor unit			**WH-ADC0916H9E8**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33
Dimension	H x W x D	mm	1800 x 598 x 717	1800 x 598 x 717	1800 x 598 x 717
Net weight		kg	126	126	126
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	36/152	36/152	36/152
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	45,9
Electric backup heater		kW	9,00	9,00	9,00
Recommended fuse [2]		A	16/16	16/16	16/16
Recommended minimum cable size, supply 1 / 2 [2]		mm²	5x1,5/5x1,5	5x1,5/5x1,5	5x1,5/5x1,5
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L
DHW tank ERP efficiency average / warm / cold [3]		A+ to F	A/A/A	A/A/A	A/A/B
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	95/2,37	95/2,37	91/2,27
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	110/2,75	110/2,75	107/2,67
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	75/1,87	75/1,87	72/1,80
Outdoor unit			**WH-UQ09HE8**	**WH-UQ12HE8**	**WH-UQ16HE8**
Sound power [4]	Heat	dB(A)	58	58	62
Dimension / Net weight	H x W x D	mm / kg	1410 x 1283 x 320/151	1410 x 1283 x 320/151	1410 x 1283 x 320/161
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,85/5,951	2,85/5,951	2,99/6,243
Piping diameter	Liquid / Gas	Inch (mm)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/50	10/50	10/50
Operating range - outdoor ambient	Heat	°C	-28~+35	-28~+35	-28~+35
	Cool	°C	+16~+43	+16~+43	+16~+43
Water outlet	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20

1) Scale from A+++ to D. 2) Check local regulations. 3) Scale from A+ to F. 4) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. * EER and COP calculation is based in accordance to EN 14511. ** This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C

Accessories	
CZ-NS4P	PCB for advanced functions
PAW-A2W-MGTFILTER	Magnet for the water filter
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

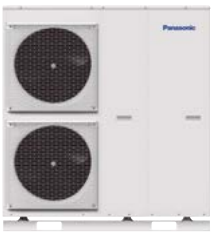
ErP 55°C | ErP 35°C | DHW | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | -20°C CONSTANT HEATING T-CAP | 60°C OUTPUT WATER FLOW TEMPERATURE | DHW | -28 °C HEATING MODE | WATER FILTER | FLOW SENSOR | BOILER CONNECTION | ADVANCED CONTROL | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

INTERNET CONTROL: Optional.

Aquarea T-CAP Bi-bloc H Series. Three phase. Super Quiet outdoor unit - SQC · R410A

Energy efficiency: A+++ in heating at 35 °C / "A" water pump with variable speed / Built-in flow meter.
Flexibility: Optional magnet for the water filter.
Comfort: Low noise level / Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C water outlet temperature.
Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

011-1W0510
011-1W0511



			Three phase (power to indoor)		
Kit			**KIT-WQC09H3E8**	**KIT-WQC12H9E8**	**KIT-WQC16H9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00 / 2,94	12,00 / 2,88	16,00 / 2,71
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00 / 3,59	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00 / 2,21	12,00 / 2,19	16,00 / 2,13
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00 / 2,85	12,00 / 2,72	16,00 / 2,49
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00 / 2,02	12,00 / 1,92	16,00 / 1,86
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	7,00 / 3,17	10,00 / 2,81	12,20 / 2,57
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	7,00 / 5,19	10,00 / 5,13	12,20 / 3,49
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,59 / 3,32 (181 / 130)	4,32 / 3,32 (170 / 130)	4,08 / 3,20 (160 / 125)
	Energy class	A+++ to D	A+++ / A++	A++ / A++	A++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,95 / 4,02 (235 / 158)	5,86 / 4,02 (231 / 158)	5,86 / 4,05 (231 / 159)
	Energy class	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,08 / 3,20 (160 / 125)	4,08 / 3,20 (160 / 125)	3,83 / 3,20 (150 / 125)
	Energy class	A+++ to D	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-SQC09H3E8**	**WH-SQC12H9E8**	**WH-SQC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	44	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min / Max)	W	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	45,9
Electric backup heater		kW	3,00	9,00	9,00
Recommended fuse [1]		A	15 / 30	15 / 30	15 / 30
Recommended minimum cable size, supply 1 / 2 [1]		mm²	5x1,5 / 3x1,5	5x1,5 / 5x1,5	5x1,5 / 5x1,5
Outdoor unit			**WH-UQ09HE8**	**WH-UQ12HE8**	**WH-UQ16HE8**
Sound power [2]	Heat	dB(A)	58	58	62
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	151	151	161
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,85 / 5,951	2,85 / 5,951	2,99 / 6,243
Piping diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in / out)		m	20	20	20
Pre-charged pipe length		m	10	10	10
Additional gas amount		g/m	50	50	50
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+16 ~ +43	+16 ~ +43	+16 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

1) Check local regulations. 2) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. * EER and COP calculation is based in accordance to EN 14511.

Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-3WYVLV-HW	3 way valve for DHW tanks
CZ-NV1	3 way valve kit to fit inside the hydrokit. H and J Series
PAW-BTANK50L-2	Buffer tank 50 L

Accessories	
CZ-TAW1C	Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1C
CZ-NS4P	PCB for advanced functions
PAW-A2W-MGTFILTER	Magnet for the water filter
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

ErP 55°C | ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | -20°C CONSTANT HEATING T-CAP | 60°C OUTPUT WATER FLOW TEMPERATURE | DHW | -28 °C HEATING MODE | WATER FILTER | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WI-FI | BMS CONNECTIVITY | 5 YEARS COMPRESSOR WARRANTY

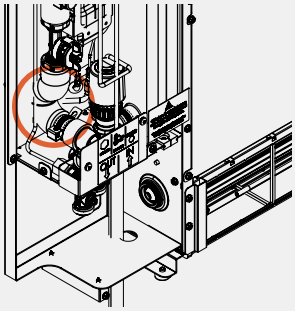
INTERNET CONTROL: Optional.

Aquarea Loop, the water loop heat pump for multi-family buildings

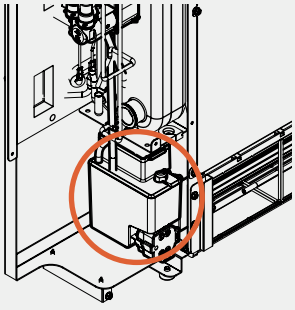
The Aquarea Loop is a decentralised water-to-air heat pump using R290, designed to provide heating and cooling for each apartment connected to a central water loop.

Choice of pre-installed hydraulic options available.

2 and 3 way valves with modulation.



Injection kit.



If it is not possible to pipe away condensation, it is possible to reinject it into the system thanks to an optional kit which can be installed inside of the unit.

Aquarea Loop · R290

· Compact indoor unit – depth of only 140 mm
· DC Inverter compressor with R290
· Cooling in summer
· Use of low centralised loop water temperature of 20 - 30 °C all year round
· Use of existing piping for renovations*

* Based on the low flow rate requirement – must be checked on each project.

Technical features

Model (the complete model codes are shown in the table below)			**P-CWSL10**	**P-CWSL20**	**P-CWSL30**
Cooling capacity [1]	Nominal (Min - Max)	kW	1,10 (0,20 - 1,20)	1,50 (0,30 - 1,70)	2,60 (0,60 - 3,00)
EER		W/W	4,40	4,80	4,80
SEER [2]			**5,50**	**6,10**	**7,90**
Input power [1]		kW	0,2	0,3	0,5
Heating capacity [3]	Nominal (Min - Max)	kW	1,10 (0,40 - 1,40)	2,00 (0,40 - 2,30)	3,10 (0,80 - 3,60)
COP		W/W	5,20	5,40	5,90
SCOP [2]			**6,44**	**6,92**	**6,74**
Input power [3]		kW	0,2	0,4	0,5
Ventilation					
Ventilation speeds			4	4	4
Air flow	Min / Ave / Max	m³/h	50 / 105 / 160	100 / 205 / 330	175 / 305 / 500
Electrical data					
Power supply	Voltage	V	230	230	230
	Phase		Single phase	Single phase	Single phase
	Frequency	Hz	50	50	50
Maximum input current		mA	1,74	3,87	5,01
Maximum consumption		kW	0,40	0,89	1,15
Sound levels					
Sound power [4]	Max	dB(A)	48	50	52
Sound pressure [5]	Min / Nom / Max	dB(A)	28 / 33 / 40	29 / 34 / 42	31 / 35 / 44
Hydraulic data					
Connection type			Eurokonus	Eurokonus	Eurokonus
Hydraulic connections		Inch	¾	¾	¾
Water flow rate	Heating	L/min	3,7	7,7	12,0
	Cooling	L/min	4,5	5,2	9,0
Nominal pressure drop	Heating	kPa	6,80	11,20	12,50
	Cooling	kPa	4,80	5,40	7,50
Nominal pressure drop with flow control valve	Heating	kPa	7,80	14,20	20,50
	Cooling	kPa	5,40	6,70	11,80
Refrigerant (R290)		kg	0,10	0,14	0,15
Dimension and weight					
Dimension	H x W x D	mm	641 x 775 x 144	641 x 975 x 144	641 x 1225 x 144
Empty weight		kg	35	40	45
Operating range and water outlet					
Operating range - indoor air	Heating	°C	5 ~ 27	5 ~ 27	5 ~ 27
	Cooling	°C	18 ~ 35	18 ~ 35	18 ~ 35
Water outlet	Heating	°C	10 ~ 45	10 ~ 45	10 ~ 45
	Cooling	°C	15 ~ 50	15 ~ 50	15 ~ 50

1) Loop water temperature 30 °C - Ambient air temperature 27 °C, indoor humidity 38% - Performance according to EN 14511. 2) SEER and SCOP in accordance with EN 14825. 3) Ring water temperature 20 °C - Ambient air temperature 20 °C, indoor humidity 50% - Performance according to EN 14511. 4) Sound power measured according to EN 16583. 5) Sound pressure at a distance of 1 m measured according to ISO 7779.

Aquarea Loop with on-board display				
Hydraulic configuration	Without valves	**P-CWSL10SC5-HCE**	**P-CWSL20SC5-HCE**	**P-CWSL30SC5-HCE**
	Without valves + injection kit	**P-CWSL10SC5-HFE**	**P-CWSL20SC5-HFE**	**P-CWSL30SC5-HFE**
	2 and 3 way valve with modulation	**P-CWSL10SC5-HBE**	**P-CWSL20SC5-HBE**	**P-CWSL30SC5-HBE**
	2 and 3 way valve with modulation + injection kit	**P-CWSL10SC5-HEE**	**P-CWSL20SC5-HEE**	**P-CWSL30SC5-HEE**

Aquarea Loop with on-board display with integrated Wi-Fi				
Hydraulic configuration	Without valves	**P-CWSL10SC5-WCE**	**P-CWSL20SC5-WCE**	**P-CWSL30SC5-WCE**
	Without valves + injection kit	**P-CWSL10SC5-WFE**	**P-CWSL20SC5-WFE**	**P-CWSL30SC5-WFE**
	2 and 3 way valve with modulation	**P-CWSL10SC5-WBE**	**P-CWSL20SC5-WBE**	**P-CWSL30SC5-WBE**
	2 and 3 way valve with modulation + injection kit	**P-CWSL10SC5-WEE**	**P-CWSL20SC5-WEE**	**P-CWSL30SC5-WEE**

Aquarea Air Smart fan coils

Stylish, compact fan coil units for high comfort and energy savings.

MORE FAN COIL OPTIONS IN CHILLERS SECTION

Remote control with Aquarea Home App.

* Requires Wi-Fi control or Home Network Hub PCZ-ESW737.

Aquarea Home

App Store

Google Play

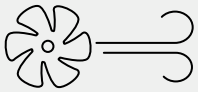
AC SELECT.

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

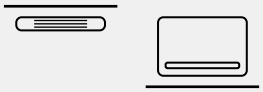
Aquarea Air Smart fan coils have a minimal visual impact and can be elegantly integrated into any home or office environment, adapting to any type of furniture.

Designed to provide both heating and cooling in one compact unit, they maximise energy savings when combined with an Aquarea Heat Pumps.

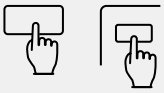
Sophisticated and slim design, with an elegant metal body.



Self-modulated air flow control by the unit (PI logic) and brushless DC fan motor with Inverter.



Versatile with a range of installation options.



Wide range of control options, including on-board or wall-mounted controls.

Self-modulated air-flow control by the unit.

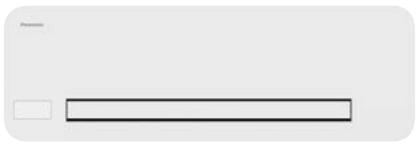
The fan speed is no longer "stepped" but continuously modulated with proportional and integrative logic: this reduces both noise and annoying air movements.

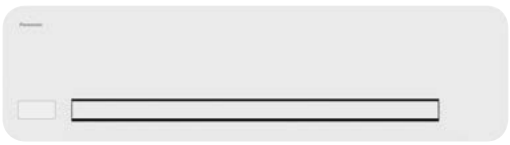
Aquarea Air Smart fan coil floor standing.

Even narrower and thinner fan coils.

Aquarea Air Smart fan coil wall-mounted.

The thinnest and most quietest in its class.





Aquarea Air Smart fan coil ducted / ducted thin.

Variable speed, constant air flow.

Ducted

Ducted thin

Ducted multi zone

Ducted multi zone thin

Aquarea Air Smart fan coil floor standing

Slim chassis profile, only 119 mm / RAL 9003 / DC Inverter – maximising comfort and energy savings / Modulated air flow.
Possible configurations: Left or right water connections / 2 or 3 way valves as accessories / On-board or wall mounted control or PCB for analog input (0-10 V)

Model (the complete model codes are shown in the table below)			**P-FAL10**	**P-FAL20**	**P-FAL30**	**P-FAL35**	**P-FAL40**
Fan speed [1]			**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**
Total cooling capacity [2]		kW	0,43/0,73/0,91	0,75/1,36/2,12	1,15/2,08/2,81	1,32/2,39/3,30	1,36/2,57/3,71
Sensible capacity [2]		kW	0,29/0,51/0,71	0,59/1,04/1,54	0,83/1,51/2,11	1,02/1,84/2,65	1,05/1,98/2,90
Water flow [2]		l/h	73,67/125,07/155,91	128,50/233,01/363,22	197,03/356,36/481,43	226,15/409,48/565,39	—
Water pressure drop [2] [3]		kPa	5,7/10,2/12,1	1,9/4,3/8,2	2,7/9,9/17,1	2,5/8,8/18,0	—
Heating capacity [4]		kW	0,37/0,69/1,00	0,82/1,50/2,19	1,19/2,15/2,99	1,45/2,56/3,73	1,47/2,78/4,23
Water flow [4]		l/h	65,11/120,91/179,87	144,60/269,80/389,71	211,61/380,89/532,55	259,22/456,72/671,86	—
Water pressure drop [3] [4]		kPa	2,6/6,8/9,1	1,5/4,3/9,2	2,7/9,3/19,1	3,0/8,9/21,2	—
Sound levels							
Sound power		dB(A)	37/47/54	37/47/54	37/47/57	37/47/55	37/48/58
Sound pressure [5]		dB(A)	24/33/41	25/34/42	26/34/44	26/35/46	28/38/47
Ventilation							
Number of fans			1	1	1	1	1
Air flow		m³/h	49/91/146	124/210/294	194/318/438	302/410/567	364/479/663
Maximum static pressure		Pa	10	10	13	13	13
Electrical data							
Power supply	V / Phase / Hz	V	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Consumption		W	7,0/9,0/13,0	14,0/18,0/22,0	16,0/20,0/24,0	18,0/22,0/26,5	—
Water connections							
Hydraulic connections type			Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus
Hydraulic connections		Inch	¾	¾	¾	¾	¾
Dimension and weight							
Dimension / Weight	H x W x D	mm / kg	580 x 680 x 119 / 13	580 x 880 x 119 / 16	580 x 1080 x 119 / 18	580 x 1280 x 119 / 20	580 x 1480 x 119 / 23

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 5) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).

Option 1. Standard configurations with built-in accessories

Fan coil with on-board display		
Left-hand piping, vertical installation, built-in 3 way valve		
P-FAL10SC-HLE		
P-FAL20SC-HLE		
P-FAL30SC-HLE		
P-FAL35SC-HLE		
P-FAL40SC-HLE		
Fan coil with wall-mounted control		
Left-hand piping, vertical installation, built-in 3 way valve		
P-FAL10SC-RLE		
P-FAL20SC-RLE		
P-FAL30SC-RLE		
P-FAL35SC-RLE		
P-FAL40SC-RLE		
Control (required, to be ordered separately)	With Modbus	**PCZ-EEB749**
	With integrated Wi-Fi	**PCZ-EFB749**

Accessories and options	
PCZ-LC0158	Feet for floor pipe cover

Option 2. Configure your own Aquarea Air Smart fan coil floor standing unit

Left-hand piping	Right-hand piping
P-FAL10SC-00E	**P-FAL10DC-00E**
P-FAL20SC-00E	**P-FAL20DC-00E**
P-FAL30SC-00E	**P-FAL30DC-00E**
P-FAL35SC-00E	**P-FAL35DC-00E**
P-FAL40SC-00E	**P-FAL40DC-00E**

Control options (required)	On-board display	With Modbus	**PCZ-ECA844**
		With integrated Wi-Fi	**PCZ-EWA844**
	Wall-mounted control	With Modbus	**PCZ-ESE845 + PCZ-EEB749**
		With integrated Wi-Fi	**PCZ-ESE845 + PCZ-EFB749**
	PCB for analog control (0-10 V)		**PCZ-B10842**
Valve kits (optional)	3 way valve with motor		**PCZ-V30720**
	2 way valve with motor		**PCZ-V20139**
Condensate drip tray for horizontal installation (optional)	For P-FAL10		**PCZ-GB0520**
	For P-FAL20		**PCZ-GB0521**
	For P-FAL30		**PCZ-GB0522**
	For P-FAL40		**PCZ-GB0523**
	For P-FAL50		**PCZ-GB0524**

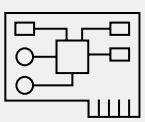
Accessories and options	
PCZ-LC0606	Feet for anchoring the unit to the floor

Control options.

On-board display with Modbus or integrated Wi-Fi.

Wall-mounted control with Modbus or integrated Wi-Fi.
PCZ-EEB749 / PCZ-EFB749

PCB for analog control (0-10 V).
PCZ-B10842



Aquarea Air Smart fan coil wall-mounted

Slim chassis profile, only 128 mm / RAL 9003 / DC Inverter – maximising comfort and energy savings / Modulated air flow.
Possible configurations: Left or right water connections / 2 or 3 way valves as accessories / On-board or wall mounted control or PCB for analog input (0-10 V)

Model (the complete model codes are shown in the table below)			**P-FMM10**	**P-FMM15**	**P-FMM20**	**P-FMM40**
Fan speed [1]			**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**
Total cooling capacity [2]		kW	0,49/0,88/1,24	0,62/1,08/1,61	0,70/1,21/1,94	1,32/2,66/3,94
Sensible capacity [2]		kW	0,37/0,70/0,98	0,52/0,86/1,27	0,57/1,02/1,52	1,08/2,05/2,92
Water flow [2]		l/h	84,00/150,80/212,40	106,20/185,00/275,80	119,90/207,30/332,40	226,40/455,30/674,30
Water pressure drop [2]		kPa	4,8/10,5/11,7	4,7/5,6/5,1	5,5/5,4/5,3	1,8/6,0/12,1
Heating capacity [3]		kW	0,54/0,98/1,45	0,76/1,30/1,93	0,78/1,49/2,28	1,63/3,04/4,44
Water flow [3]		l/h	97,00/176,30/264,50	139,30/239,80/354,40	141,10/273,30/414,40	296,40/547,00/800,90
Water pressure drop [3]		kPa	5,1/12,0/16,3	4,8/6,3/7,2	6,0/6,4/8,1	2,3/6,9/14,1
Sound levels						
Sound power		dB(A)	35/46/53	36/47/54	37/48/58	38/48/62
Sound pressure [4]		dB(A)	25/33/40	25/34/41	26/34/42	27/37/51
Ventilation						
Air flow		m^3/h	84/155/228	124/229/331	138/283/440	230/480/788
Electrical data						
Power supply	V / Phase / Hz	V	230/1/50	230/1/50	230/1/50	230/1/50
Consumption		W	5/8/19	5/9/20	5/11/29	8/23/30
Water connections						
Hydraulic connections type			Eurokonus	Eurokonus	Eurokonus	Eurokonus
Hydraulic connections		Inch	¾	¾	¾	¾
Dimension and weight						
Dimension / Weight	H x W x D	mm / kg	335 x 815 x 128/14	335 x 1015 x 128/16	335 x 1215 x 128/19	335 x 1215 x 215/24

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 4) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A).

Option 1. Standard configurations with built-in accessories

Fan coil with on-board display and wireless IR control		
Right-hand piping, built-in 3 way valve		
P-FMM10DC-QNE		
P-FMM15DC-QNE		
P-FMM20DC-QNE		
P-FMM40DC-QNE		

Fan coil with wall-mounted control		
Right-hand piping, built-in 3 way valve		
P-FMM10DC-RNE		
P-FMM15DC-RNE		
P-FMM20DC-RNE		
P-FMM40DC-RNE		
Control (required, to be ordered separately)	With Modbus	**PCZ-EEB749**
	With integrated Wi-Fi	**PCZ-EFB749**

Option 2. Configure your own Aquarea Air Smart fan coil wall-mounted unit

Fan coil with on-board display and wireless IR control	
Left-hand piping	Right-hand piping
P-FMM10SC-Q0E	**P-FMM10DC-Q0E**
P-FMM15SC-Q0E	**P-FMM15DC-Q0E**
P-FMM20SC-Q0E	**P-FMM20DC-Q0E**
—	**P-FMM40DC-Q0E**

Fan coil with wall-mounted control		
Left-hand piping	Right-hand piping	
P-FMM10SC-R0E	**P-FMM10DC-R0E**	
P-FMM15SC-R0E	**P-FMM15DC-R0E**	
P-FMM20SC-R0E	**P-FMM20DC-R0E**	
—	**P-FMM40DC-R0E**	
Control (required, to be ordered separately)	With Modbus	**PCZ-EEB749**
	With integrated Wi-Fi	**PCZ-EFB749**

Fan coil with PCB for analog control (0-10 V)	
Left-hand piping	Right-hand piping
P-FMM10SC-V0E	**P-FMM10DC-V0E**
P-FMM15SC-V0E	**P-FMM15DC-V0E**
P-FMM20SC-V0E	**P-FMM20DC-V0E**
—	**P-FMM40DC-V0E**

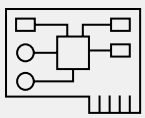
Valve kits (optional)	
PCZ-V30688	3 way valve with motor for models 10, 15, 20
PCZ-V30718	3 way valve with motor for model 40
PCZ-V20687	2 way valve with motor for models 10, 15, 20
PCZ-V20139	2 way valve with motor for model 40

Control options.

On-board display with Modbus or integrated Wi-Fi.

Wall-mounted control with Modbus or integrated Wi-Fi.
PCZ-EEB749 / PCZ-EFB749

PCB for analog control (0-10 V).



Aquarea Air Smart fan coil ducted thin / ducted

Fan coil ducted units with cooling and heating.
Cooling capacity: 0,7 to 5,3 kW.
Heating capacity: 0,7 to 5,8 kW.

Optional controller. Wall-mounted control with Modbus.
PCZ-EEB749

Optional controller. Wall-mounted control with integrated Wi-Fi.
PCZ-EFB749

Optional controller. PCB for analog control (0-10 V).

+ CHECK PAGE 128 FOR A WIDER SELECTION OF ACCESSORIES

The range at a glance

- Slim profile, only 185 mm for the thin version
- DC Inverter – maximising comfort and energy savings
- Modulated air flow
- Quiet operation
- Centrifugal fan with single motor impeller
- Vertical or horizontal installation

Possible configurations

- Left or right water connections
- 2 or 3 way valves as accessories
- Wall-mounted control or PCB for analog input (0-10 V)

High efficiency ducted fan coil for high comfort and quiet operation thanks to self modulating airflow control.

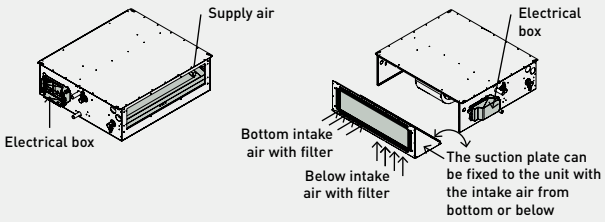
Ducted thin, designed to fit any space

With a height of only 185 mm, the thin version is even more versatile than the classic version and fits perfectly into any wall or false ceiling with either horizontal or vertical installation.

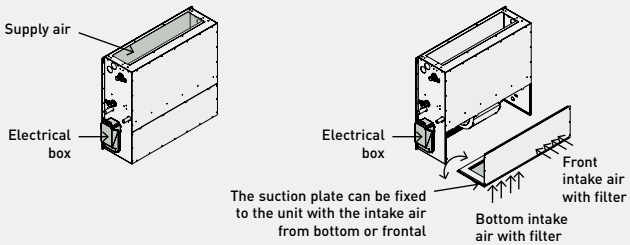
Ducted thin

High installation flexibility.

Horizontal installation.



Vertical installation.



Technical features

			Ducted thin					Ducted				
Model (the complete model codes are shown in the table below)			**P-FTN15**	**P-FTN20**	**P-FTN25**	**P-FTN35**	**P-FTN45**	**P-FSN20**	**P-FSN25**	**P-FSN35**	**P-FSN45**	**P-FSN55**
Fan speed [1]			**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**
Total cooling capacity [2]		kW	0,66 / 1,14 / 1,40	1,01 / 1,84 / 2,10	1,23 / 2,17 / 2,60	1,47 / 2,40 / 3,30	1,72 / 2,80 / 4,45	0,82 / 1,37 / 1,88	1,27 / 1,86 / 2,14	1,53 / 2,38 / 2,97	1,81 / 3,22 / 3,48	1,82 / 3,97 / 5,31
Sensible capacity [2]		kW	0,46 / 0,84 / 1,05	0,70 / 1,27 / 1,50	0,88 / 1,56 / 2,10	1,06 / 1,77 / 2,45	1,23 / 2,33 / 3,20	0,61 / 0,96 / 1,48	0,93 / 1,43 / 1,56	1,17 / 1,98 / 2,92	1,33 / 2,58 / 2,95	1,33 / 2,75 / 3,65
Water flow [2]		l/h	113 / 195 / 270	173 / 315 / 405	211 / 373 / 510	251 / 412 / 610	295 / 481 / 805	141 / 235 / 322	218 / 319 / 367	262 / 408 / 509	310 / 552 / 596	312 / 680 / 910
Water pressure drop [2] [3]		kPa	1,0 / 3,0 / 5,0	2,0 / 5,0 / 8,0	4,0 / 10,0 / 17,0	2,0 / 5,0 / 11,0	2,0 / 6,0 / 14,0	9,2 / 11,8 / 15,7	9,9 / 14,9 / 19,4	2,4 / 2,8 / 2,9	9,0 / 12,6 / 14,6	4,1 / 16,1 / 27,2
Heating capacity [4]		kW	0,68 / 1,32 / 1,65	1,01 / 1,80 / 2,10	1,32 / 2,32 / 2,86	1,63 / 2,76 / 3,71	1,89 / 3,98 / 5,20	0,9 / 1,48 / 1,98	1,36 / 2,04 / 2,54	1,81 / 2,63 / 3,45	1,96 / 3,77 / 4,46	1,95 / 4,23 / 5,73
Water flow [4]		l/h	115 / 222 / 310	170 / 303 / 440	235 / 410 / 540	288 / 486 / 730	329 / 692 / 880	159 / 261 / 349	239 / 360 / 448	319 / 464 / 608	346 / 665 / 787	347 / 754 / 1025
Water pressure drop [3] [4]		kPa	1,0 / 3,0 / 6,0	2,0 / 5,0 / 9,0	4,0 / 11,0 / 18,0	2,0 / 6,0 / 13,0	3,0 / 10,0 / 15,0	51 / 12,0 / 16,3	10,3 / 15,6 / 21,5	2,6 / 2,8 / 2,9	9,2 / 15,6 / 18,4	4,0 / 16,4 / 29,3
Sound levels												
Sound power		dB(A)	42 / 47 / 53	44 / 51 / 58	45 / 52 / 58	46 / 54 / 60	47 / 54 / 61	46 / 54 / 58	46 / 54 / 58	46 / 54 / 57	47 / 55 / 58	48 / 55 / 60
Ventilation												
Number of fans			1	1	2	2	3	1	1	2	2	3
Air flow		m^3/h	90 / 200 / 290	140 / 290 / 390	190 / 390 / 550	230 / 450 / 680	250 / 610 / 870	120 / 260 / 390	180 / 350 / 560	240 / 440 / 730	260 / 550 / 905	280 / 750 / 1150
Maximum static pressure		Pa	100	90	120	110	140	90	130	110	140	140
Electrical data												
Power supply	Voltage	V	230	230	230	230	230	230	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50
Consumption		W	14 / 32 / 80	22 / 55 / 140	26 / 65 / 160	33 / 80 / 160	38 / 115 / 230	6 / 11 / 24	7 / 14 / 31	8 / 16 / 34	13 / 30 / 38	14 / 42 / 85
Degree of protection		IP	X0	X0	X0	X0	X0	X0	X0	X0	X0	X0
Connections												
Hydraulic connections type			Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus
Hydraulic connections		Inch	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾
Condensate drainage connection		mm	20	20	20	20	20	20	20	20	20	20
Intake air connection (base x height)		mm	460 x 100	660 x 100	860 x 100	1060 x 100	1320 x 100	460 x 150	660 x 150	860 x 150	1060 x 150	1320 x 150
Return air connection (base x height)		mm	510 x 100	710 x 100	910 x 100	1110 x 100	1370 x 100	510 x 150	710 x 150	910 x 150	1110 x 150	1370 x 150
Dimension and weight												
Dimension	H x W x D	mm	185 x 590 x 575	185 x 790 x 575	185 x 990 x 575	185 x 1190 x 575	185 x 1440 x 575	240 x 590 x 695	240 x 790 x 695	240 x 990 x 695	240 x 1190 x 695	240 x 1440 x 695
Weight		kg	30	41	45	54	65	32	43	47	56	67

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

Configure your own Aquarea Air Smart fan coil ducted thin / ducted unit

Fan coil with wall-mounted control		
Left-hand piping	Right-hand piping	
P-FTN15005-RE	**P-FTN15R05-RE**	
P-FTN20005-RE	**P-FTN20R05-RE**	
P-FTN25005-RE	**P-FTN25R05-RE**	
P-FTN35005-RE	**P-FTN35R05-RE**	
P-FTN45005-RE	**P-FTN45R05-RE**	
P-FSN20005-RE	**P-FSN20R05-RE**	
P-FSN25005-RE	**P-FSN25R05-RE**	
P-FSN35005-RE	**P-FSN35R05-RE**	
P-FSN45005-RE	**P-FSN45R05-RE**	
P-FSN55005-RE	**P-FSN55R05-RE**	
Control (required, to be ordered separately)	With Modbus	**PCZ-EEB749**
	With integrated Wi-Fi	**PCZ-EFB749**

Fan coil with PCB for analog control (0-10 V)	
Left-hand piping	Right-hand piping
P-FTN15005-JE	**P-FTN15R05-JE**
P-FTN20005-JE	**P-FTN20R05-JE**
P-FTN25005-JE	**P-FTN25R05-JE**
P-FTN35005-JE	**P-FTN35R05-JE**
P-FTN45005-JE	**P-FTN45R05-JE**
P-FSN20005-JE	**P-FSN20R05-JE**
P-FSN25005-JE	**P-FSN25R05-JE**
P-FSN35005-JE	**P-FSN35R05-JE**
P-FSN45005-JE	**P-FSN45R05-JE**
P-FSN55005-JE	**P-FSN55R05-JE**

Valve kits (optional)	
PCZ-V30361	3 way valve with motor
PCZ-V20139	2 way valve with motor

Aquarea Air Smart fan coil ducted multi zone thin / ducted multi zone

Fan coil ducted units with cooling and heating.
Cooling capacity: 0,5 to 7,6 kW.
Heating capacity: 0,5 to 8,52 kW.

Optional controller.
Wall-mounted control with Modbus.
PCZ-EEB749

Optional controller.
Wall-mounted control with integrated Wi-Fi.
PCZ-EFB749

Optional controller.
PCB for analog control (0-10 V).

+ CHECK PAGE 132 FOR A WIDER SELECTION OF ACCESSORIES

The range at a glance

- Multi zone management (2-5 zones)
- Slim profile, only 185 mm for the thin version
- DC Inverter – maximising comfort and energy savings
- Modulated air flow
- Quiet operation
- Centrifugal fan with single motor impeller

Possible configurations

- Left or right water connections
- 2 or 3 way valves as accessories
- Wall-mounted control or PCB for analog input (0-10 V)

The ducted Smart fan coil unit with integrated multi zone management.

High installation flexibility.

Single air outlet per zone.

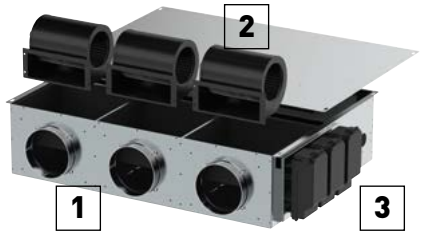
Example:
3 air outlets for 3 independent zones.

Multiple air outlets per zone.

Example:
3 air outlets for 2 independent zones.
Zone 1 with dual channel.
Zone 2 with single channel.

Multi zone management

Thanks to integrated multi zone management and the use of forward-bladed centrifugal brushless EC multi-fans, the fan coil ducted multi zone allow independent management of the different thermal zones, resulting in benefits in terms of efficiency, comfort and quietness.

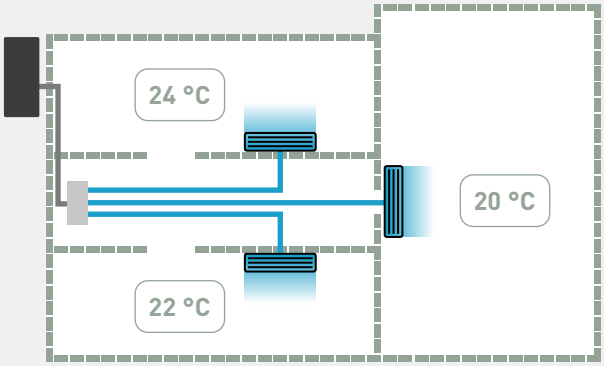


1 | Air supply plate.
Built-in air supply plate, number of outlets depending on unit size.

- P-FTQ30/P-FSQ30: 2 outlets DN 160 mm
- P-FTQ45/P-FSQ45: 3 outlets DN 160 mm
- P-FTQ60/P-FSQ60: 4 outlets DN 160 mm
- P-FTQ65/P-FSQ75: 5 outlets DN 160 mm

2 | Fans.
Integrated multi-fans for independent management of the different zones.

3 | Horizontal condensate tray.
Allows the collection of condensate if the unit is installed horizontally.



Technical features

			Ducted multi zone thin				Ducted multi zone			
Model (the complete model codes are shown in the table below)			**P-FTQ30**	**P-FTQ45**	**P-FTQ60**	**P-FTQ65**	**P-FSQ30**	**P-FSQ45**	**P-FSQ60**	**P-FSQ75**
Fan speed [1]			**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**
Total cooling capacity [2]		kW	1,10/1,97 /3,02	1,16/2,97 /4,40	2,02/3,68 /5,70	2,09/4,15 /6,40	0,47/3,80 /3,23	0,66/3,77 /4,57	0,85/4,87 /5,88	1,06/6,31 /7,61
Sensible capacity [2]		kW	0,76 /1,37 /2,15	0,79/2,09 /3,16	1,45/2,67 /4,10	1,61/3,08 /4,60	0,33/2,70 /2,22	0,48/2,62 /3,16	0,63/3,40 /4,10	0,78/4,32 /5,20
Single zone cooling capacity [2]		kW	0,49/1,30 /1,70	0,49/1,30 /1,70	0,49/1,30 /1,70	0,49/1,30 /1,70	—/—/2,10	—/—/2,10	—/—/2,10	—/—/2,10
Single zone sensible capacity [2]		kW	0,31/0,89 /1,23	0,31/0,89 /1,23	0,31/0,89 /1,23	0,31/0,89 /1,23	—/—/1,50	—/—/1,50	—/—/1,50	—/—/1,50
Water flow [2]		l/h	190/338 /530	200/510 /800	346/630 /1030	358/713 /1220	80/651 /553	113/647 /782	146/834 /1008	182,3/1081 /1304
Water pressure drop [2] [3]		kPa	4,0/11,0/22,0	2,0/9,0/18,0	3,0/9,0/18,0	1,0/4,0/9,0	1,8/29,0/54,1	1,2/25,7/36,4	1,0/20,2/28,5	1,6/37,3/52,6
Heating capacity [4]		kW	1,15/2,11 /3,30	1,71/3,19 /4,90	-/5,76/6,30	2,67/4,75 /7,65	0,45/3,90 /3,61	0,68/4,16 /5,08	0,90/5,42 /6,59	1,13/6,87 /8,37
Single zone heating capacity [4]		kW	0,42/1,29 /1,85	0,42/1,29 /1,85	0,42/1,29 /1,85	0,42/1,29 /1,85	—/—/2,20	—/—/2,20	—/—/2,20	—/—/2,20
Water flow [4]		l/h	200/368 /560	296/554 /800	391/699 /1110	464/826 /1305	80/688 /636	120/748 /914	159/975 /1189	199/1230 /1502
Water pressure drop [3] [4]		kPa	4,0/13,0/25,0	3,0/10,0/19,0	3,0/10,0/18,0	2,0/5,0/10,0	1,4/29,0/61,2	1,1/28,9/42,3	0,9/23,1/33,7	1,5/41,4/60,6
Sound levels										
Sound power		dB(A)	40/49/58	42/50/59	42/52/61	43/53/62	—/—/60	—/—/61	—/—/62	—/—/64
Ventilation										
Number of fans			2	3	4	5	2	3	4	5
Air flow		m³/h	145/290 /480	215/435 /720	288/576 /960	360/720 /1200	60/600 /810	90/900 /1215	120/1200 /1620	150/1500 /2025
Single zone air flow		m³/h	50/160/240	50/160/240	50/160/240	50/160/240	60/205/300	60/205/300	60/205/300	60/205/300
Maximum static pressure		Pa	100	100	100	100	100	100	100	100
Electrical data										
Power supply	Voltage	V	230	230	230	230	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50	50	50	50	50	50	50	50
Consumption		W	31/66/130	45/102/195	61/135/260	76/162/325	53/140/178	159/420/534	212/560/712	265/700/890
Degree of protection		IP	X0	X0	X0	X0	X0	X0	X0	X0
Connections										
Hydraulic connections type			Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus	Eurokonus
Hydraulic connections		Inch	¾	¾	¾	¾	¾	¾	¾	¾
Condensate drainage connection		mm	20	20	20	20	20	20	20	20
Intake air connection (base x height)		mm	160	160	160	160	160	160	160	160
Return air connection (base x height)		mm	630 x 100	830 x 100	1030 x 100	1320 x 100	630 x 150	830 x 150	1030 x 150	1320 x 150
Dimension and weight										
Dimension	H x W x D	mm	185 x 790 x 575	185 x 990 x 575	185 x 1190 x 575	185 x 1440 x 575	240 x 790 x 695	240 x 990 x 695	240 x 1190 x 695	240 x 1440 x 695
Weight		kg	41	45	54	56	43	47	56	67

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

Configure your own Aquarea Air Smart fan coil ducted multi zone thin / ducted multi zone unit

Fan coil with wall-mounted control		
Left-hand piping	Right-hand piping	
P-FTQ30005-RE	**P-FTQ30R05-RE**	
P-FTQ45005-RE	**P-FTQ45R05-RE**	
P-FTQ60005-RE	**P-FTQ60R05-RE**	
P-FTQ65005-RE	**P-FTQ65R05-RE**	
P-FSQ30005-RE	**P-FSQ30R05-RE**	
P-FSQ45005-RE	**P-FSQ45R05-RE**	
P-FSQ60005-RE	**P-FSQ60R05-RE**	
P-FSQ75005-RE	**P-FSQ75R05-RE**	
Control (required, to be ordered separately)	With Modbus	**PCZ-EEB749**
	With integrated Wi-Fi	**PCZ-EFB749**

Fan coil with PCB for analog control (0-10 V)	
Left-hand piping	Right-hand piping
P-FTQ30005-JE	**P-FTQ30R05-JE**
P-FTQ45005-JE	**P-FTQ45R05-JE**
P-FTQ60005-JE	**P-FTQ60R05-JE**
P-FTQ65005-JE	**P-FTQ65R05-JE**
P-FSQ30005-JE	**P-FSQ30R05-JE**
P-FSQ45005-JE	**P-FSQ45R05-JE**
P-FSQ60005-JE	**P-FSQ60R05-JE**
P-FSQ75005-JE	**P-FSQ75R05-JE**

Valve kits (optional)	
PCZ-V30361	3 way valve with motor
PCZ-V20139	2 way valve with motor

Fan coil comfort AC fan

Fan coil floor and ceiling units with cooling and heating.
Cooling capacity: 0,6 to 6,9 kW.
Heating capacity: 0,6 to 7,4 kW.





Optional controller. WRC remote control.


Optional controller. SRC - mini BMS controller.


Optional controller. Electronic controller TControl POD glass.


Optional controller. Electronic controller TControl EASY 3S.

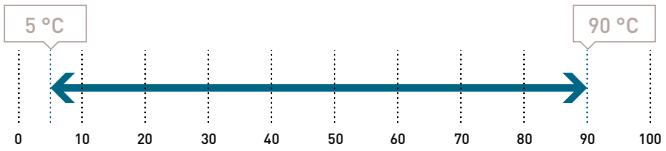

Optional controller. Wired remote controller with touch control.
PAW-FC-907AC


Optional controller. Wired remote controller.
PAW-FC-903AC

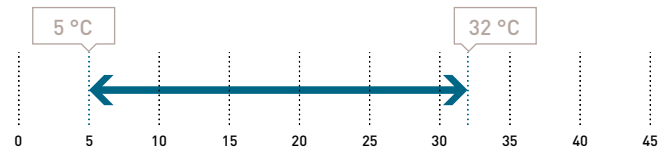

Optional controller. Advanced wired remote controller.
PAW-FC-RC1

Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 7 sizes
- 5-speed AC fan - standard factory set speeds: S1,S3,S5
- Air flow from 94 to 1064 m³/h
- Configuration: universal installation units (vertical or horizontal) with or without cabinet
- Left or right water connections
- Many air inlet/outlet configurations
- G2 air filter (G3 as an option)

Advantages

- Silent units
- New casing design for an increased robustness
- Harmonious and aesthetic RAL 9003 painted cabinet
- Valves, condensate drain pan and drain pump factory mounted
- 100% factory tested

Accessories and options
2 way or 3 way valves
4-pipes kit (additional coil)
Circuit breakers
Drain pump
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
Mechanical sensor for automatic change over
Modbus communication board for Plogic
MRC/WRC/BRC: remote controls for Plogic
Other speeds configuration (standard factory set speeds: S1,S3,S5)
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)

SEE PAGE 582 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

AC SELECT.

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

Technical features

Fan coil comfort AC fan			P-FC10 S1/S3/S5 [1]	P-FC20 S1/S3/S5 [1]	P-FC30 S1/S3/S5 [1]	P-FC40 S1/S3/S5 [1]	P-FC50 S1/S3/S5 [1]	P-FC60 S1/S3/S5 [1]	P-FC70 S1/S3/S5 [1]
2-pipes									
Total cooling capacity [2]		kW	0,66/1,00/1,45	0,61/0,96/1,38	0,95/1,88/2,37	1,14/2,28/3,02	1,71/3,16/4,64	2,57/4,33/5,53	3,24/5,84/6,91
Sensible capacity [2]		kW	0,48/0,77/1,05	0,43/0,70/1,02	0,78/1,44/1,80	0,83/1,66/2,23	1,24/2,23/3,27	1,81/3,14/4,25	2,26/4,11/4,85
Water flow [2]		l/h	114/172/250	105/165/238	164/324/408	196/393/520	295/544/799	443/746/953	558/1006/1190
Water pressure drop [2] [3]		kPa	9,17/19,5/39,1	2,65/4,62/7,43	5,8/17,6/26,3	5,0/15,6/25,6	7,5/22,8/47,1	12,6/33,9/54,4	4,4/13,9/19,4
Heating capacity [4]		kW	0,63/1,18/1,71	0,63/1,03/1,53	1,00/1,86/2,49	1,14/2,28/3,18	1,79/3,47/4,81	2,45/4,22/5,63	3,45/6,27/7,41
Water flow [4]		l/h	109/203/295	109/177/264	172/320/429	196/393/548	308/598/829	422/727/970	594/1080/1276
Water pressure drop [3] [4]		kPa	5,9/17,3/33,8	2,76/5,06/8,54	5,8/16,2/27,0	5,0/15,6/28,1	6,1/20,7/38,5	18,6/52,4/91,4	4,9/16,0/22,3
4-pipes									
Total cooling capacity [2]		kW	0,63/0,88/1,24	0,87/1,34/1,73	0,91/1,80/2,28	0,98/2,14/2,85	1,57/2,88/4,13	2,60/4,39/5,61	3,17/5,62/6,58
Sensible capacity [2]		kW	0,46/0,67/0,91	0,65/1,02/1,36	0,75/1,39/1,74	0,71/1,57/2,10	1,14/2,04/2,92	1,82/3,18/4,28	2,21/3,96/4,62
Water flow [2]		l/h	109/152/214	150/231/298	157/310/393	169/369/491	270/496/711	448/756/966	546/968/1133
Water pressure drop [2] [3]		kPa	7,6/13,9/26,3	2,33/4,44/6,64	2,8/8,6/13,1	5,8/20,5/33,6	3,9/11,6/22,8	10,2/27,7/44,5	5,3/16,2/22,1
Heating capacity [5]		kW	0,63/1,00/1,41	1,00/1,40/1,68	1,28/1,81/2,13	1,22/2,21/2,85	2,01/3,19/4,08	2,71/4,24/5,33	3,65/5,00/5,90
Water flow [5]		l/h	54/86/121	86,1/121/145	110/156/183	105/190/245	173/275/351	233/365/459	314/431/508
Water pressure drop [3] [5]		kPa	1,2/2,1/3,3	1,15/2,2/3,12	2,8/4,7/6,1	5,1/13,9/21,8	5,7/12,5/19,4	11,6/24,8/37	35,4/60,7/81,2
Sound levels									
Sound power	2-pipes	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/43/56	38/51/58	43/56/61
	4-pipes	dB(A)	33/40/49	31/43/50	30/45/52	30/44/51	34/46/56	38/51/58	43/56/61
Sound pressure [6]	2-pipes	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52
	4-pipes	dB(A)	24/31/40	22/34/41	21/36/43	21/35/42	25/37/47	29/42/49	34/47/52
NR [6]	2-pipes		19/26/35	17/29/36	16/31/38	16/30/37	20/32/42	24/37/44	29/42/47
	4-pipes		19/26/35	17/29/36	16/31/38	16/30/37	20/32/42	24/37/44	29/42/47
Ventilation									
Number of fans			1	1	1	2	2	2	2
Air flow	2-pipes	m³/h	94/190/283	68/104/196	138/274/390	173/357/499	253/486/716	350/640/933	480/893/1064
	4-pipes	m³/h	95/168/253	89/161/241	132/263/369	148/335/467	242/466/671	334/614/885	470/859/1012
Filter			G2	G2	G2	G2	G2	G2	G2
Electrical data									
Power supply	Voltage	V	230	230	230	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	13/24/36	13/18/31	16/37/45	15/37/56	28/55/72	37/75/105	53/100/147
	4-pipes	W	13/24/36	11/18/28	16/37/44	15/37/55	28/54/70	37/74/104	53/99/145
Electric heater		W	500	500	500/1000	1250	1250/2500	1250/2500	1250/2500
Water connections									
Connection type			Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
2 or 4-pipes	Cooling	Inch	½	½	½	½	½	½	¾
4-pipes	Heating	Inch	½	½	½	½	½	½	½
Dimension									
With cabinet - without feet	H x W x D	mm	477 x 766 x 225	477 x 766 x 225	477 x 951 x 225	477 x 1136 x 225	477 x 1321 x 225	477 x 1506 x 225	575 x 1319 x 225
Without cabinet	H x W x D	mm	430 x 570 x 220	430 x 570 x 220	430 x 753 x 220	430 x 938 x 220	430 x 1122 x 220	430 x 1307 x 220	530 x 1121 x 220
Weight									
With cabinet	2 / 4-pipes	kg	19/20	19/20	22/23	27/29	30/32	35/37	35/37
Without cabinet	2 / 4-pipes	kg	13/14	13/14	15/16	20/22	22/24	26/28	27/29

Energy efficiency class [7]

Fan coil comfort AC fan									
2-pipes	**FCEER**	**A to E**	**E**	**E**	**D**	**D**	**D**	**D**	**D**
	FCCOP	**A to E**	**E**	**E**	**E**	**E**	**E**	**E**	**E**
4-pipes	**FCEER**	**A to E**	**E**	**D**	**D**	**D**	**E**	**D**	**D**
	FCCOP	**A to E**	**E**	**D**	**D**	**D**	**E**	**E**	**E**

1) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 5) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A). 7) According to Eurovent. * Standard configuration with left hand hydraulic connection. G2 air filter included as standard.

Control options.

Optional wired remote controller for AC fan, 2-pipe and 4-pipe application.
PAW-FC-RC1

Optional wired remote controller for AC fan 2-pipe application.
PAW-FC-903AC / PAW-FC-907AC

Optional wired remote controller for EC fan, 2-pipe and 4-pipe application.
PAW-FC-903EC / PAW-FC-907EC

ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

The range belong to fan coil commercial policy.

Fan coil comfort EC fan

Fan coil floor and ceiling units with cooling and heating.
Cooling capacity: 0,5 to 9,1 kW.
Heating capacity: 0,6 to 12,9 kW.

Optional controller.
WRC remote control.

Optional controller.
SRC - mini BMS controller.

Optional controller.
Electronic controller TControl POD glass.

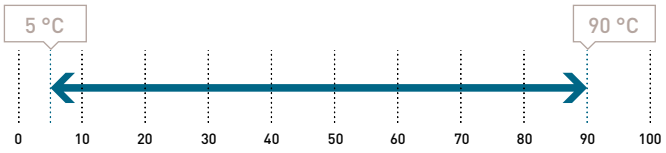
Optional controller.
Electronic controller TControl EASY 3S.

Optional controller.
Wired remote controller with touch control.
PAW-FC-907EC

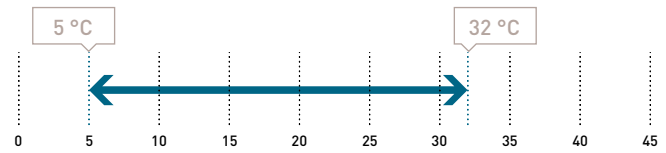
Optional controller.
Wired remote controller.
PAW-FC-903EC

Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



The range at a glance

- Versions: 2-pipes, 2-pipes + electric heater and 4-pipes
- 8 sizes
- Low energy consumption EC fan: 100% controllable via a 0-10 V signal or 3 operating speeds
- Air flow from 91 to 1548 m³/h
- Configuration: universal installation units (vertical or horizontal) with or without cabinet
- Left or right water connections
- Many air inlet/outlet configurations
- G2 air filter (G3 as an accessory)

Advantages

- Excellent performances: FCEER and FCCOP up to "A"
- Silent units
- New casing design for an increased robustness
- Harmonious and aesthetic RAL 9003 painted cabinet
- Valves, condensate drain pan and drain pump factory mounted
- 100% factory tested

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
Electromechanical sensor for automatic change over
Modbus communication board for Plogic
MRC/WRC/BRC: remote controls 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)

SEE PAGE 582 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

AC SELECT.

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

Technical features

Fan coil comfort EC fan			P-FC10	P-FC20	P-FC30	P-FC40	P-FC50	P-FC60	P-FC70	P-FC80
			2V/5V/10V [1]	2V/5V/10V [1]	2V/6V/10V [1]	2V/5V/10V [1]	2V/7V/10V [1]	2V/7V/10V [1]	4V/8V/10V [1]	3V/4,1V/6,4V [1]
2-pipes										
Total cooling capacity [2]		kW	0,59/1,16/1,96	0,61/1,31/2,12	0,67/1,41/1,83	1,34/2,93/4,19	1,34/3,57/4,98	1,98/4,45/5,24	2,55/5,56/6,55	4,59/6,13/8,36
Sensible capacity [2]		kW	0,48/1,00/1,76	0,47/1,06/1,72	0,47/1,04/1,34	0,95/2,10/3,00	1,05/2,70/3,70	1,35/3,51/4,02	1,91/4,10/4,96	3,32/4,51/6,28
Water flow [2]		l/h	102/200/338	105/226/365	141/336/505	231/505/722	231/615/858	341/767/903	439/958/1128	791/1056/1440
Water pressure drop [2] [3]		kPa	7,5/25,7/69,5	1,4/4,3/9,3	5,9/21,8/42,9	6,4/24,3/46,3	4,9/28,7/53,9	7,8/35,8/49,0	2,7/12,6/17,5	11,8/19,5/34,2
Heating capacity [4]		kW	0,67/1,30/2,31	0,68/1,53/2,52	0,80/1,72/2,66	1,11/2,48/4,46	1,38/3,89/5,19	1,95/4,93/5,82	3,05/5,81/7,17	4,63/6,39/9,28
Water flow [4]		l/h	115/224/398	117/264/434	138/296/458	191/427/768	238/670/894	336/849/1002	525/1001/1235	798/1101/1598
Water pressure drop [3] [4]		kPa	6,5/20,6/59,1	1,7/5,5/12,4	4,1/14,2/30,4	4,8/18,1/51,9	3,8/25,7/44,6	12,2/70,7/97,5	3,9/13,8/20,9	11,9/21,0/41,5
4-pipes										
Total cooling capacity [2]		kW	0,51/1,02/1,80	0,57/1,20/2,18	0,75/1,84/2,93	1,03/2,20/3,52	1,17/3,45/4,39	1,69/3,90/4,69	2,44/4,88/6,06	4,44/5,86/9,07
Sensible capacity [2]		kW	0,41/0,87/1,60	0,43/0,96/1,76	0,55/1,44/2,28	0,73/1,57/2,58	0,92/2,61/3,28	1,12/3,05/3,63	1,83/3,61/4,53	3,20/4,31/6,84
Water flow [2]		l/h	87,8/176/310	98,2/207/376	129/317/505	177/379/606	202/594/756	291/672/808	420/841/1044	765/1009/1562
Water pressure drop [2] [3]		kPa	5,2/18,3/53,4	1,3/3,8/9,7	4,0/13,7/28,0	9,3/27,8/58,9	2,3/16,2/25,6	4,6/22,0/31,4	3,2/12,3/18,8	18,8/30,6/67,2
Heating capacity [5]		kW	0,61/1,13/1,87	0,79/1,33/2,09	1,41/2,01/2,77	1,57/2,49/3,62	2,18/3,34/4,10	1,81/4,05/4,81	3,45/4,67/5,53	5,74/7,99/12,90
Water flow [5]		l/h	52,5/97,3/161	68/115/180	121/173/239	135/214/312	188/288/353	156/349/414	297/402/476	494/688/1111
Water pressure drop [3] [5]		kPa	1,1/2,4/4,8	<1/2,0/4,8	7,9/12,3/18,6	10,9/22,2/41,1	6,5/13,6/19,6	16,1/45,3/57,5	32,2/53,9/72,4	19,2/34,5/83,1
Sound levels										
Sound power	2-pipes	dB(A)	34/47/60	34/47/60	31/50/59	29/44/52	30/51/57	32/54/58	40/54/59	51/56/64
	4-pipes	dB(A)	34/47/60	34/47/60	31/50/59	29/44/56	30/51/57	32/54/58	40/54/59	51/56/64
Sound pressure [6]	2-pipes	dB(A)	25/38/51	25/38/51	22/41/50	20/35/43	21/42/48	23/45/49	31/45/50	42/47/55
	4-pipes	dB(A)	25/38/51	25/38/51	22/41/50	20/35/43	21/42/48	23/45/49	31/45/50	42/47/55
NR [6]	2-pipes		20/33/46	20/33/46	17/36/45	15/30/38	16/37/43	18/40/44	26/40/45	37/42/50
	4-pipes		20/33/46	20/33/46	17/36/45	15/30/38	16/37/43	18/40/44	26/40/45	37/42/50
Ventilation										
Number of fans			1	1	1	2	2	2	2	3
Air flow	2-pipes	m^3/h	108/228/417	98/234/413	119/257/345	170/412/678	203/577/816	245/737/912	350/850/1050	685/927/1398
	4-pipes	m^3/h	91/199/379	84/200/380	123/297/540	148/298/524	185/587/755	205/668/845	329/798/989	660/884/1548
Filter			G2	G2	G2	G2	G2	G2	G2	G2
Electrical data										
Power supply	Voltage	V	230	230	230	230	230	230	230	230
	Phase		Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Consumption	2-pipes	W	7/12/41	7/13/41	6/16/42	2/13/43	4/23/46	4/30/54	11/44/77	23/42/108
	4-pipes	W	7/12/39	7/13/40	6/14/40	2/11/39	4/23/44	4/28/52	11/43/75	22/41/116
Electric heater		W	500	500	500/1000	1250	1250/2500	1250/2500	1250/2500	1250/2500
Water connections										
Connection type			Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded
2 or 4-pipes	Cooling	Inch	½	½	½	½	½	½	¾	¾
4-pipes	Heating	Inch	½	½	½	½	½	½	½	½
Dimension										
With cabinet - without feet	H x W x D	mm	477 x 766 x 225	477 x 766 x 225	477 x 951 x 225	477 x 1136 x 225	477 x 1321 x 225	477 x 1506 x 225	575 x 1319 x 225	575 x 1506 x 225
Without cabinet	H x W x D	mm	430 x 570 x 220	430 x 570 x 220	430 x 753 x 220	430 x 938 x 220	430 x 1122 x 220	430 x 1307 x 220	530 x 1121 x 220	530 x 1316 x 220
Weight										
With cabinet	2 / 4-pipes	kg	19/20	19/20	22/23	27/29	30/32	35/37	35/37	47/49
Without cabinet	2 / 4-pipes	kg	13/14	13/14	15/16	20/22	22/24	26/28	27/29	38/40

Energy efficiency class [7]

Fan coil comfort EC fan										
2-pipes	**FCEER**	**A to E**	**C**	**C**	**B**	**A**	**A**	**A**	**B**	**B**
	FCCOP	**A to E**	**D**	**C**	**C**	**B**	**A**	**B**	**B**	**B**
4-pipes	**FCEER**	**A to E**	**C**	**C**	**B**	**A**	**B**	**B**	**B**	**A**
	FCCOP	**A to E**	**C**	**C**	**B**	**A**	**B**	**B**	**B**	**A**

1) Fan standard factory set speeds (voltage). 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) Pressure loss by corresponding nominal flow. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 5) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 6) Informative data, considering an hypothetical sound attenuation of the room and installation of 9 dB(A). 7) According to Eurovent. * Standard configuration with left hand hydraulic connection. G2 air filter included as standard.

Control options.

Optional wired remote controller for AC fan, 2-pipe and 4-pipe application.
PAW-FC-RC1

Optional wired remote controller for AC fan 2-pipe application.
PAW-FC-903AC / PAW-FC-907AC

Optional wired remote controller for EC fan, 2-pipe and 4-pipe application.
PAW-FC-903EC / PAW-FC-907EC

ErP | EC MOTOR GREEN VENTILATION | SUPER QUIET | VERY HIGH PERFORMANCE

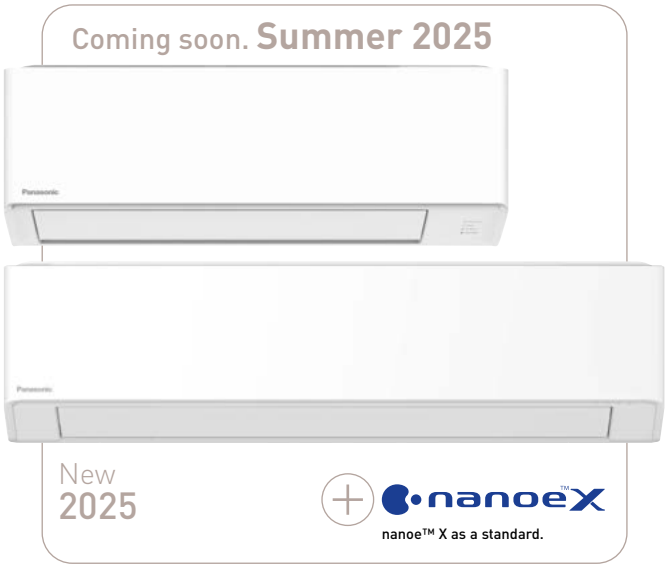
ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

The range belong to fan coil commercial policy.

NEW fan coil wall DC fan – FK1

Fan coil wall units with new stylish design and nanoe™ X (Mark 3).
Cooling capacity: 1,9 to 5,2 kW.
Heating capacity: 2,2 to 5,3 kW.



Optional controller.
WRC remote control.

Optional controller.
SRC - mini BMS controller.

Optional controller.
Electronic controller TControl POD glass.

Optional controller.
Electronic controller TControl EASY 3S.

Optional controller.
Wired remote controller with touch control.
PAW-FC-907EC

Optional controller.
Wired remote controller.
PAW-FC-903EC

Optional controller. CONEX Series, white or black.
CZ-RTC6W/BL/BLW2 or
CZ-RTC6/BL/BLW2

Optional controller.
Wired remote controller with Econavi function.
CZ-RTC5B

Optional controller.
Infrared remote controller for wall-mounted.
CZ-RWS3

The range at a glance

- Versions (2-pipes): with 3 way valve
- 6 sizes
- DC fan for better efficiency and control
- Air flow from 360 to 1045 m³/h
- G1 cleanable air filter

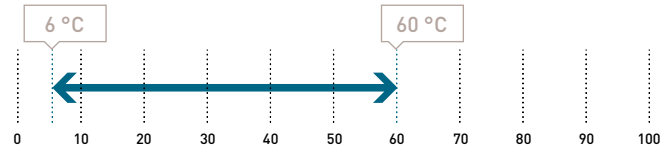
Advantages

- Modern stylish design with flat face and compact size
- Motorized louvers
- Six directional piping outlet
- nanoe™ X (Generator Mark 3) as standard for better indoor air quality
- Quieter operation than AC fan models
- Very easy servicing through a removable front panel
- Cleanable synthetic-type air filter
- Compatibility with a wide range of controllers
- Ideal for commercial and residential applications in combination with Aquarea Heat Pumps

Accessories and options
Modbus communication board for Plogic
SRC - mini BMS controller
WRC: wall-mounted remote control for Plogic
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)
CZ-RWS3 - infrared remote controller
CZ-RTC5B - wired remote controller with Econavi function
CZ-RTC6 - CONEX Series wired remote controller
CZ-CENSC1 - Econavi energy saving sensor

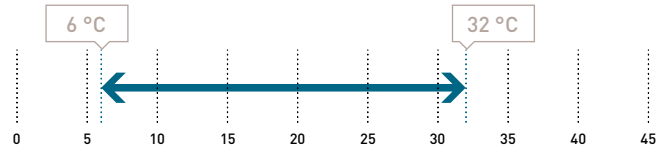
Operating limits

Entering water temperature (without glycol).



Maximum operating pressure: 10 bar.

Indoor air temperature.



SEE PAGE 582 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

AC SELECT.

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

Technical features

Fan coil wall DC fan - FK1			S-19FK1E	S-24FK1E	S-27FK1E	S-36FK1E	S-45FK1E	S-52FK1E
			H/M/L	H/M/L	H/M/L	H/M/L	H/M/L	H/M/L
2-pipes, with/without 3 way valve								
Total cooling capacity [1]		kW	1,90/1,65/1,40	2,41/2,17/1,92	2,73/2,51/2,02	3,61/3,11/2,65	4,50/3,78/3,02	5,23/4,63/4,03
Sensible capacity [1]		kW	1,54/1,35/1,10	1,91/1,71/1,50	2,19/2,00/1,59	2,98/2,52/2,12	3,41/2,84/2,25	4,02/3,51/3,04
Water flow [1]		l/h	342/295/250	432/389/344	489/449/362	648/556/473	809/680/539	908/830/724
Water pressure drop (coil only)		kPa	8/6/4	13/11/8	17/14/9	30/22/16	42/30/19	56/44/34
Water pressure drop (with 3 way valve) [1]		kPa	29/23/18	36/29/25	44/39/26	74/57/42	110/80/53	142/112/90
Air flow [1]		m³/h	345/276/230	416/361/324	480/434/343	710/572/462	753/603/488	879/753/637
Input power [1]		W	12/11/10	14/12/12	16/14/12	26/19/15	22/17/13	29/23/18
Sound pressure Lp [1] [2]		dB(A)	27	26	29	39	35	40
Sound power Lw [1]		dB(A)	43	42	45	55	51	56
Heating capacity [3]		kW	2,23/1,92/1,59	2,72/2,39/1,97	3,01/2,64/2,18	4,03/3,48/2,89	5,13/4,21/3,09	5,33/4,72/4,03
Water flow [3]		l/h	381/329/281	481/417/339	533/463/379	715/614/508	898/740/544	931/827/710
Water pressure drop (coil only)		kPa	10/8/5	16/12/8	20/15/10	36/27/18	52/36/19	56/44/33
Water pressure drop (with 3 way valve) [3]		kPa	30/24/18	39/31/23	47/36/25	72/60/42	118/82/46	128/97/74
Air flow [3]		m³/h	406/314/253	489/425/343	545/471/379	765/646/517	925/730/511	960/810/672
Input power [3]		W	13/12/10	15/14/12	17/15/13	28/21/16	32/21/14	35/26/19
Sound pressure Lp [2] [3]		dB(A)	29/27/24	29/26/22	32/28/23	41/36/30	42/36/28	43/39/34
Sound power Lw [3]		dB(A)	45/43/40	45/42/38	48/44/39	57/52/46	58/52/44	59/55/50
Water Connection								
Connection type			Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded	Gas female threaded
		Inch	1/2	1/2	1/2	1/2	1/2	1/2
nanoe X Generator			Mark 3	Mark 3	Mark 3	Mark 3	Mark 3	Mark 3
Dimensions and weight								
Dimension	H x W x D	mm	295 x 890 x 244	295 x 890 x 244	295 x 890 x 244	295 x 890 x 244	295 x 1060 x 249	295 x 1060 x 249
Weight		kg	12	13	13	13	14	14

Energy efficiency class [1]

Fan coil wall DC fan - FK1								
2-pipes	FCEER [1]	A to E	B	B	B	B	A	A
	$\eta_{s,c}$	%	144,2	166,9	172,1	169,3	226,8	213,0
	FCCOP [3]	A to E	B	B	B	B	B	B
	$\eta_{s,h}$	%	160,0	167,0	170,5	173,4	208,5	198,0

1) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 2) The sound pressure of the indoor unit shows the value measured of a position of 1 m in front of the main body and 0,8 m below the unit. The sound pressure is measured in accordance with JIS C 9612. 3) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.

New fan coil wall.

First Panasonic water fan coil unit integrated with nanoe™ X technology.
Fan coil wall unit with stylish design, ideal for commercial and residential applications in combination with Aquarea Heat Pumps. The units are integrated with nanoe™ X technology to improve protection 24/7 (Generator Mark 3).

Bringing nature's balance indoors.
The new fan coil wall is equipped with nanoe™ X for improved indoor air quality. nanoe™ X, technology with the benefits of hydroxyl radicals.

7 effects of nanoe™ X – Panasonic unique technology.

Capacity to inhibit 5 types of pollutants

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

Deodorises

- Odours

Moisturises

- Skin and hair

ErP | SUPER QUIET

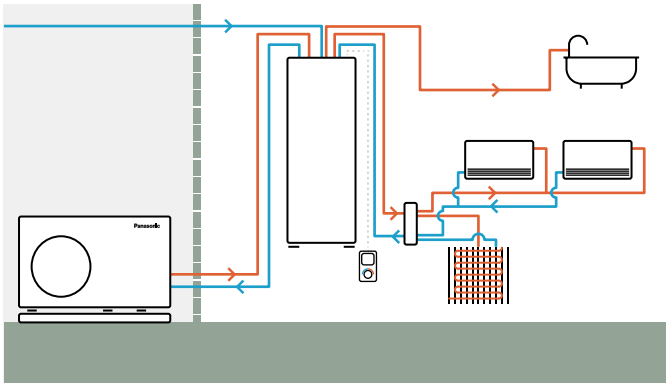
ErP compliant following COMMISSION REGULATION (EU) 2016/2281.

The range belong to fan coil commercial policy.

Sanitary tanks

Combo tanks.

The best option to combine with Mono-bloc units. DHW tank with buffer tank. Designed for retrofit applications, the DHW tank with a buffer tank is particularly suitable for fast integration on an existing installation. Easy to install, nice looking, high efficiency for DHW production and for heating.



Model		PAW-TD20B8E3-2		PAW-TD23B6E5	
Material		Enamelled		Stainless steel	
Dimension H x W x D	mm	1770 x 640 x 690		1750 x 600 x 646	
Weight (empty)	kg	150		111	
Water volume	L	185 + 80		230 + 60	
Power supply	V, Phase, Hz	230, 1, 50		230, 1, 50	
		Hot water tank	**Buffer tank**	**Hot water tank**	**Buffer tank**
Water volume	L	185	80	230	60
Max working pressure	MPa (bar)	0,8 (8)	0,6 (6)	1,0 (10)	0,3 (3,0)
Pressure test	MPa (bar)	1,2 (12)	0,9 (9)	1,5 (15)	0,39 (3,9)
Max working temp	°C	90	90	80	80
Connections	mm	Ø22	Ø22	Ø22	Ø22, copper
Material		S 275 JR vitrified	S235 JR	EN 14521	EN 14521
Insulation	Material, t=mm	PUR, 50	PUR 40	PUR, 50	PUR, 50
Heating coil surface	m^2	2,1	—	1,8	—
Electrical heater	W	3000	—	2800	—
Energy loss at 65 °C [1]	kWh/24h	1,3	—	1,25	—
Energy efficiency class (from A+ to F) [2]		**B**	**B**	**B**	**A**
Standing loss	W	53	46	52	29

1) Tested pursuant to EN 12897:2006. 2) EU Regulation 812/2013. * Enamelled Combo tank is produced by Lapesa. Stainless steel Combo tank is produced by OSO.

Buffer tanks.

Model		PAW-BTANK50L-2	PAW-BTANK100L	PAW-BTANKG200L	PAW-BTANKG260L
Water volume	L	48	100	194	252
Energy losses	W	35	55	60	83
Energy efficiency class (from A+ to F)		**B**	**B**	**B**	**C**
Material		Stainless steel	Stainless steel	Carbon Steel	Carbon Steel
Dimension (Hight / Diameter)	mm	636 / 430	1175 / 430	983 / 620	1239 / 620
Net weight	kg	17	28	41	46

* Automatic air vent and drain cock are included. Built-in pocket sensor (sensor not included). ** 50 and 100 L Buffer Tanks are produced by OSO. 200 and 260 L Buffer Tanks are produced by Lapesa.

Enamelled tanks.

Type		Enamelled tank				Enamelled 2 coils tank (for bivalent solar + HP)	Square tank
Model		**PAW-TA15C1E5**	**PAW-TA20C1E5STD**	**PAW-TA30C1E5STD**	**PAW-TA40C1E5STD**	**PAW-TA30C2E5STD**	**PAW-TA20C1E5C**
Water volume	L	167	200	290	380	350	200
Maximum water temperature	°C	90	95	95	95	95	95
Dimension (Hight / Diameter)	mm	1297/560	1340/610	1800/610	1835/670	1835/670	1550x600x600
Weight / filled with water	kg	88/255	90/280	120/389	191/572	169/519	134/327
Electric heater	kW	—	3,00	3,00	3,00	3,00	—
Power supply	V	—	230	230	230	230	—
Material inside tank		Enamelled	Enamelled	Enamelled	Enamelled	Enamelled	Enamelled
Exchange surface	m^2	1,8	1,8	2,6	3,8	3,5 / 1,2	1,83
Energy loss at 65 °C [1]	kWh/24h	1,08	1,37	1,61	1,76	1,76	1,37
3 way valve accessory PAW-3WYVLV-HW, CZ-NV1 or CZ-NV2		Optional	Optional	Optional	Optional	Optional	Built-in 3 way valve
20 m temperature sensor cable included		Yes	Yes	Yes	Yes	Yes	Yes
Energy losses	W	45	57	67	73	73	57
Energy efficiency class (from A+ to F)		**B**	**B**	**B**	**B**	**B**	**B**
Warranty of the inner vessel		2 Years	2 Years	2 Years	2 Years	2 Years	2 Years
Maintenance required		Anode [2]	Anode [2]	Anode [2]	Anode [2]	Anode [2]	Anode [2]

1) Insulated tested under EN12897. 2) Refer to the service manual for further details. * PAW-TA15C1E5 is produced by Lapesa. All other Enamelled tanks and Square tank are produced by AEmail.

Stainless steel tanks.

Model		**PAW-TD20C1E5-1**	**PAW-TD30C1E5-1**	**PAW-TD30C1E5HI-1**
Water volume	L	192	284	280
Maximum water temperature	°C	75	75	75
Dimension (Hight / Diameter)	mm	1270/595	1750/595	1750 / 595
Weight / filled with water	kg	50/—	61/—	65 / —
Electric heater	kW	1,5	1,5	1,5
Power supply	V	230	230	230
Material inside tank		Stainless steel	Stainless steel	Stainless steel
Exchange surface	m^2	1,8	1,8	2,35
Energy loss at 65 °C [1]	kWh/24h	1,01	1,18	1,18
3 way valve accessory PAW-3WYVLV-HW, CZ-NV1 or CZ-NV2		Optional	Optional	Optional
20 m temperature sensor cable included		Yes	Yes	Yes
Energy losses	W	42	49	49
Energy efficiency class (from A+ to F)		**A**	**A**	**A**
Warranty		2 Years	2 Years	2 Years
Maintenance required		No	No	No

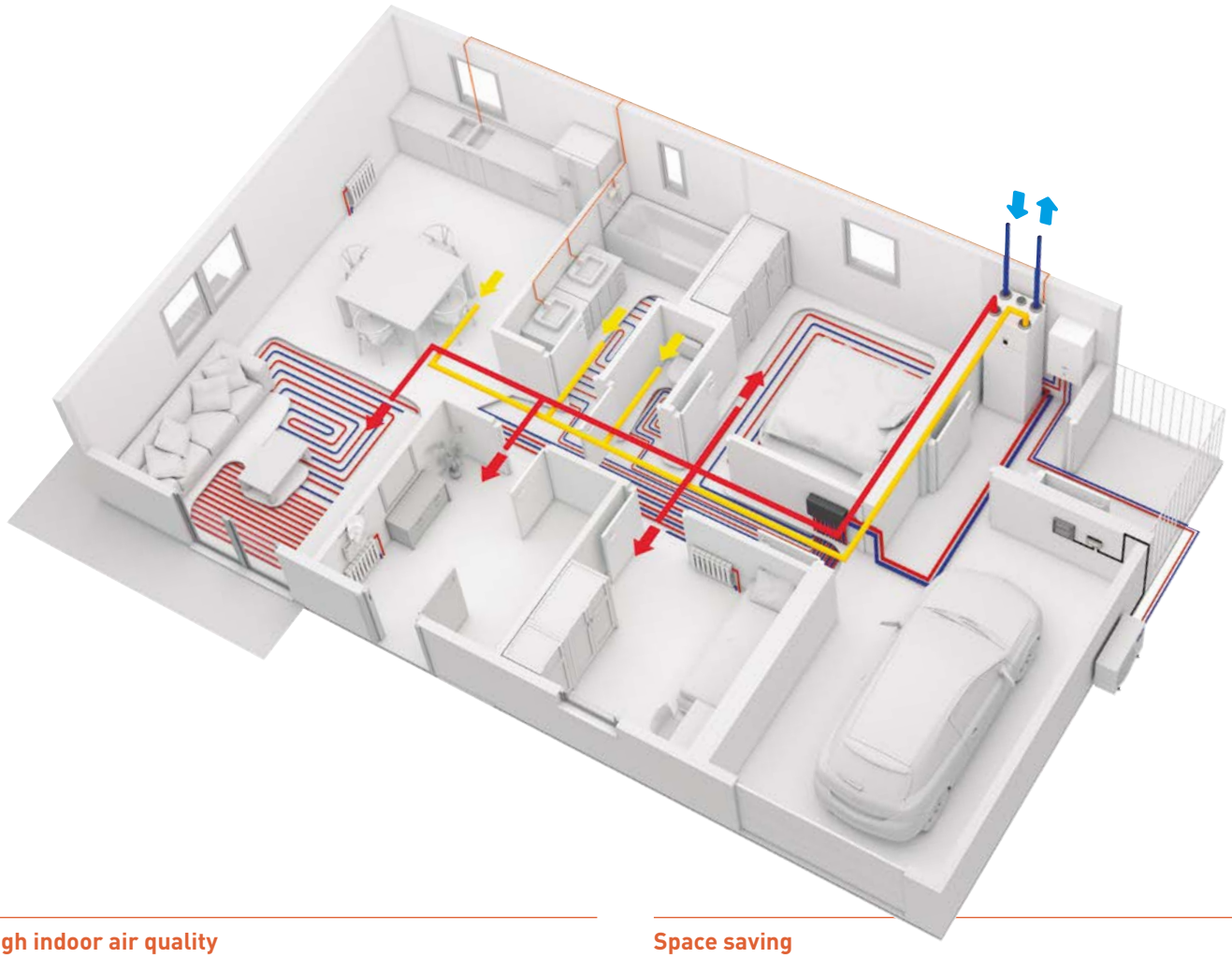
1) Insulated tested under EN12897. * Stainless steel tanks are produced by OSO.

Accessories for sanitary tanks	
PAW-3WYVLV-HW	3 way valve for DHW tanks
CZ-NV1	3 way valve kit to fit inside the hydrokit. H and J Series
CZ-NV2	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories for sanitary tanks	
PAW-EANODE2	Impressed current anode for 200 L Stainless steel tanks
PAW-EANODE3	Impressed current anode for 300 L Stainless steel tanks

Heat recovery ventilation unit

The heat recovery ventilation unit is design not only to provide a good indoor air quality, but it is also designed to recover heat that would otherwise be lost throughout ventilation. These heat recovery ventilation systems are used to assist in the retention of heat.



High indoor air quality

The unit is designed to provide fresh filtered air into the home, while keeping a high thermal comfort.

Energy saving

Most of the energy from the exhausted air is used to precondition the incoming air, leading to lower heating requirements in the building.

Space saving

The compact ventilation unit can be installed over the DHW square tank or the Aquarea All in One Compact indoor unit for an space-saving solution.

Better user interface

The Residential ventilation unit and the Aquarea Heat Pumps can be controlled with one single user-friendly controller.

AQUAREA

Combine the Residential ventilation unit with Panasonic Aquarea for an space saving and highly efficient solution for heating, cooling, ventilation and DHW.

Heat Recovery Ventilation + Aquarea All in One Compact

Heat Recovery Ventilation + DHW Square Tank + Aquarea Mono-bloc

Heat Recovery Ventilation + DHW Square Tank + Aquarea Bi-bloc

* The unit can be mounted on a PAW-TA20C1E5C, on a WH-ADC0309J3E5C or installed on the wall (PAW-VEN-WBRK is needed).

Heat recovery ventilation unit

cool, temperate climate
CERTIFIED COMPONENT
Passive House Institute

PAW-A2W-VENTA-R

PAW-A2W-VENTA-L

Model		PAW-A2W-VENTA-R	PAW-A2W-VENTA-L
Nominal air flow rate	m³/h	204 @ 50 Pa	
Maximum air flow rate	m³/h	292 @ 100 Pa	
SPF		1,24 @ 204 m³/h	
Heat exchanger rotor drive type		Variable speed	
Exchanger type		Rotating	
Heat recovery efficiency		84%	
Power supply	V / Hz	230 / 50 / Singe phase	
Power consumption	W	176	
Energy class, basic unit		**A**	
Energy class, unit with local control on demand		**A**	
Noise level	dB(A)	40	
Dimension (H x W x D)	mm	450 x 598 x 500	
Weight	kg	46	
Mounting position		Vertical	
Supply side		Right	Left
Duct connections	mm	DN125	
Filter class, supply air		F7/ePM1 60%	
Filter class, extract air		M5/ePM10 50%	
Minimum outdoor temperature	°C	-20	

*** Heat recovery efficiency according to EN 13141-7. ** Heat recovery ventilation unit is produced by Systemair.**

Accessories	
PAW-VEN-FLTKIT	Supply and extract filters kit
PAW-VEN-ACCPCB	Optional PCB for additional functions
PAW-VEN-DPL	HRV touch control panel. White frame (cable must be ordered separately)
PAW-VEN-CBLEXT12	Cable with plug for electrical connection between unit and control panel, type CE and CD (12 m)
PAW-VEN-DIVPLG	Twin plugs for installation of several control panels type CD or CE for one unit

Accessories	
PAW-VEN-DPLBOX	HRV touch control panel wall-mounted kit
PAW-VEN-S-C02RH-W	CO_2 RH wall-mounted sensor
PAW-VEN-S-C02-W	CO_2 wall-mounted sensor
PAW-VEN-S-C02-D	CO_2 duct sensor
PAW-VEN-WBRK	Wall bracket kit for stand-alone installation on the wall
PAW-VEN-HTR06	Electrical duct heater 0,6 kW (includes relay)
PAW-VEN-HTR12	Electrical duct heater 1,2 kW (includes relay)

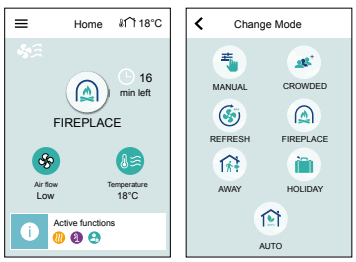
Main features of the residential ventilation unit

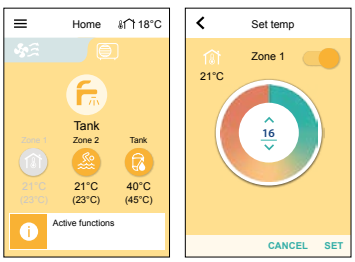
- Designed for areas up to approximately 140 m²
- High energy-efficiency rotary heat exchanger with EC - technology fans
- Moisture transfer function to minimize condensation in supply air during wintertime
- The built in humidity sensor in extract air can be used for demand control
- Control via touch display and Startup Wizard for easy commissioning
- Modbus communication via RS-485
- Option to control an Aquarea H Series onwards heat pump from PAW-A2W-VENTA control panel Modbus gateway (PAW-AZAW-MBS-M or PAW-AW-MBS-H) and PAW-VEN-ACCPCB required

Control user-friendly interface

All settings and features accessible via a control panel, integrated into the front cover. The option for connecting one or more external control panels is available.

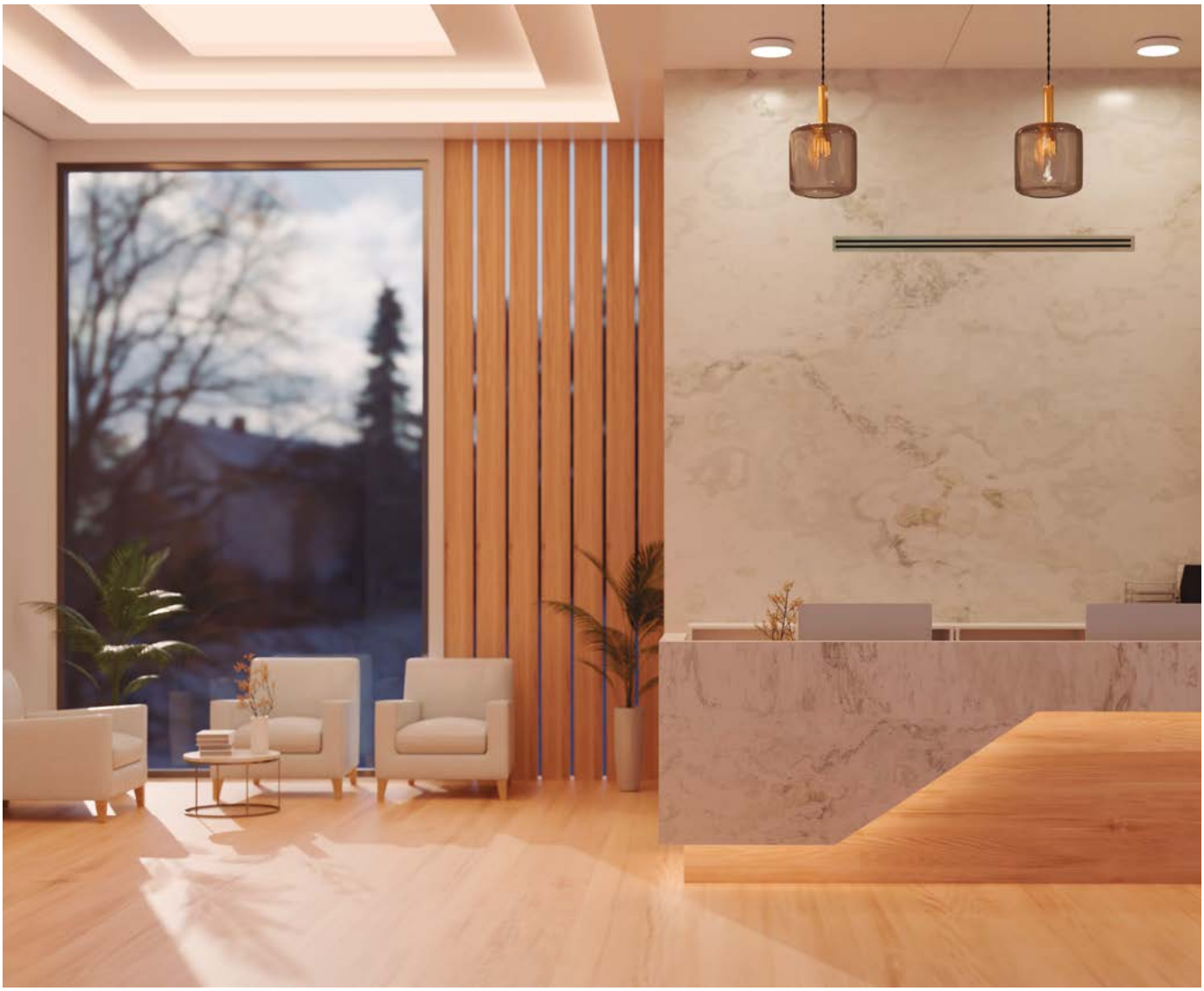
- Color touch screen with a user-friendly interface
- MANUAL and AUTO mode or choose preferred settings from the pre-configured user modes
- If Aquarea H and J Series heat pumps are connected with PAW-A2W-VENTA, the heat pump control options appear on the home screen in a separate tab





Aquarea Vent - Counter flow ventilation

Aquarea Vent systems provide a continuous supply of fresh air, ensuring optimal indoor air quality and comfort. Ideal for single-family homes or apartments with low energy requirements, Panasonic's HRV systems combine high-efficiency heat recovery, quiet operation, and advanced air filtration with flexible installation options.



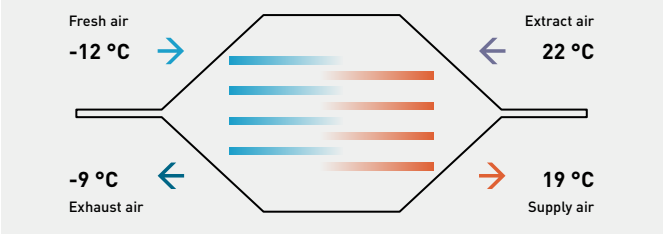
High-efficiency sensible heat recovery.

Highly efficient air renewal and filtration, with 80% ePM1 filters.

Integrated air quality, humidity and temperature sensors.

Remote control via Wi-Fi (optional).

Balanced ventilation



Counter flow ventilation units are equipped with two fans to supply and extract air. A cross-flow heat exchanger recovers the energy contained in the extracted air and transfers it to the supplied air. This significantly reduces the building's energy consumption, while at the same time keeping a good quality of the indoor air.

Aquarea Vent - Counter flow ventilation units

cool, temperate climate
CERTIFIED COMPONENT
Passive House Institute

PAW-VENTX10-15-20-25Z-1

PAW-VENTX20-30-40-50V-1

PAW-VENTX20-30-40-50H-1

REFER TO PAGE 137 FOR THE COMPLETE LIST OF FILTERS AND ACCESSORIES FOR AIR DISTRIBUTION AND DIFFUSION SYSTEMS

Compact (Horizontal / Vertical mounting)		Air flow Nominal / Max m³/h	Static pressure Nominal / Max Pa	Recovery efficiency %	Energy class	Power supply Voltage / Phase / Frequency	Power consumption Nominal W	Sound power LWA dB(A)	Dimensions / Net weight H x W x D mm / kg	Filter class	Duct connection mm
Universal mounting	P-VEN15XQAZE5	91/130	50/100	87	A	230 V / Single phase / 50 Hz	80	48	255 x 580 x 580 / 19	ePM1 80%	160
	P-VEN20XQAZE5	147/210	50/100	85	A	230 V / Single phase / 50 Hz	140	51	255 x 580 x 580 / 19	ePM1 80%	160
Horizontal mounting	P-VEN15XQAHE5	109/155	50/100	86	A	230 V / Single phase / 50 Hz	110	49	260 x 480 x 800 / 25	ePM1 80%	160
	P-VEN30XQAHE5	210/300	50/100	85	A	230 V / Single phase / 50 Hz	180	50	295 x 600 x 795 / 30	ePM1 70%	160
	P-VEN35XQAHE5	238/340	50/100	89	A	230 V / Single phase / 50 Hz	350	52	290 x 650 x 1150 / 38	ePM1 70%	160
	P-VEN45XQAHE5	288/455	50/100	88	A	230 V / Single phase / 50 Hz	420	56	290 x 1150 x 1150 / 40	ePM1 70%	160
Vertical mounting	P-VEN15XQAVE5	112/170	50/100	86	A	230 V / Single phase / 50 Hz	110	48	510 x 430 x 625 / 32	ePM1 80%	160
	P-VEN30XQAVE5	210/300	50/100	86	A	230 V / Single phase / 50 Hz	180	50	590 x 575 x 785 / 38	ePM1 70%	160
	P-VEN40XQAVE5	266/380	50/100	87	A	230 V / Single phase / 50 Hz	350	51	590 x 735 x 785 / 42	ePM1 70%	160
	P-VEN45XQAVE5	315/450	50/100	86	A	230 V / Single phase / 50 Hz	420	54	590 x 785 x 735 / 43	ePM1 70%	160

Control options (required, to be ordered separately).

Wall-mounted control with Modbus.
PCZ-AHRP0025

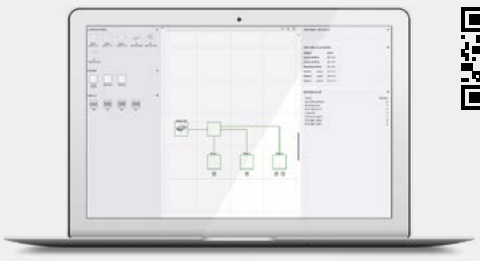
Wall-mounted control with integrated Wi-Fi for remote control via the Aquarea Home App.
PCZ-AHRP0026

- Integrated VOC - CO_2 air quality sensors
- Integrated humidity sensors
- Integrated temperature sensors
- Unit control and settings: Seasonal modes, temperature and fan speed ventilation settings
- Connectivity: Wi-Fi or Modbus

Vent PRO.

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

Access the tool via the 'Tools' section in the Panasonic Pro Club (www.panasonicproclub.com).



Remote control with Aquarea Home App.

* Requires Wi-Fi control or Home Network Hub PCZ-ESW737.

Aquarea Home

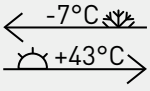
App Store

Google Play

Aquarea DHW Heat Pumps

Using the natural refrigerant R290, Aquarea DHW Heat Pumps achieve the highest A+ energy efficiency class in their category, significantly reducing energy consumption and CO_2 emissions compared to electric heaters. The range includes wall-mounted and floor-standing models with tank capacities from 100 to 260 litres, designed to meet different household needs.

High performance and A+ energy rank.



Wide operation range.

Saves maintenance time with dry check for magnesium anode.

User-friendly touch control.

Wall mounted version.

- 100 L and 150 L DHW tank
- Wide operating range from -5 to +43 °C.
- 60 °C hot water only with heat pump

Floor standing version.

- 200 L and 260 L DHW tank
- Version with additional coil for operation with other heat sources such as PV panels
- Wide operating range from -7 to +43 °C
- 65 °C hot water only with heat pump

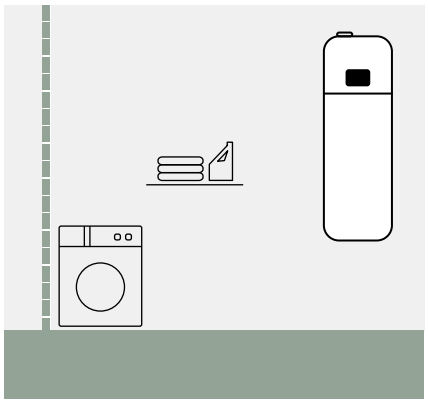
Aquarea DHW Heat Pumps

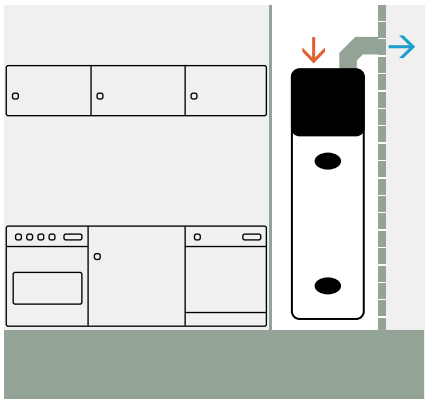
Type		Wall-mounted		Floor-standing			
Reference		**P-DHW100AE5**	**P-DHW150AE5**	**P-DHW200AE5**	**P-DHW200CAE5**	**P-DHW260AE5**	**P-DHW260CAE5**
Performance according to EN 16147							
Reference hot water temperature (T_{ref})	°C	55	55	55	55	55	55
Heating up time (A +14 °C / W 55 °C)	h:m	5:44	8:46	7:22	7:18	9:36	9:45
Heating up time (A +7 °C / W 55 °C)	h:m	6:44	10:08	7:01	7:08	10:21	10:32
Heating up time (A +2 °C / W 55 °C)	h:m	9:53	12:17	11:32	11:21	14:31	14:42
DHW tank ERP efficiency average / warm / cold	A+ to F	A+/A++/A	A+/A+/A	A+/A++/A	A+/A++/A	A+/A++/A	A+/A+/A
DHW tank ERP average climate η / COPdHW	ηwh %/COPdHW	117/2,80	117/2,80	149/3,58	148/3,53	150/3,64	148/3,59
DHW tank ERP warm climate η / COPdHW	ηwh %/COPdHW	132/3,20	132/3,34	159/3,81	158/3,78	162/3,90	158/3,84
DHW tank ERP cold climate η / COPdHW	ηwh %/COPdHW	92/2,20	102/2,40	110/2,67	108/2,61	120/2,91	117/2,85
Indoor sound power [1]	dB(A)	45	45	50	50	50	50
Outdoor sound power [1]	dB(A)	50	50	50	50	50	50
Load profile		M	L	L	L	XL	XL
Water volume	L	98	143	202	194	260	251
Water volume of mixed water at 40 °C / V40	L	133	172	352	359	262	275
Additional coil exchanger connection		—	—	—	1"M	—	1"M
Additional coil surface	m²	—	—	—	1,05	—	1,05
Anticorrosion system	Anode	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium	Magnesium
Anti-legionella cycle		Yes	Yes	Yes	Yes	Yes	Yes
Maximum working pressure - storage tank	Mpa (bar)	0,8 (8)	0,8 (8)	0,8 (8)	0,8 (8)	0,8 (8)	0,8 (8)
Dimension (H x W x D)	mm	1351 x 520 x 541	1682 x 520 x 541	1621 x 705 x 694	1621 x 705 x 694	1911 x 705 x 694	1911 x 705 x 694
Empty weight	kg	56	65	100	115	111	126
Heat pump air intake temperature range	°C	-5 ~ +43	-5 ~ +43	-7 ~ +43	-7 ~ +43	-7 ~ +43	-7 ~ +43
Maximum water temperature / with heater	°C	60/65	60/65	65/75	65/75	65/75	65/75
Refrigerant charge (R290)	kg	0,15	0,15	0,15	0,15	0,15	0,15
Power supply / frequency	V / Hz	230/50	230/50	230/50	230/50	230/50	230/50
Total maximum power consumption	W	1726	1726	1970	1970	1970	1970
Heat pump maximum power consumption	W	276	276	470	470	470	470
Electric heating element power consumption	W	1500	1500	1500	1500	1500	1500
Nominal air flow	m³/h	235	235	330	330	330	330
External pressure nominal / maximum	Pa	42/220	42/220	88/220	88/220	88/220	88/220
Duct diameter	mm	125	125	160	160	160	160

1) According to EN12102.

Space-saving design

Side air ducts for easy installation in rooms as small as 2 metres high.





Accessories and control

Controls and room thermostats

Remote controller with Wi-Fi adapter (required for stand-alone outdoor units). M Series. Includes 10 m extension cable.

CZ-RTW2TAW1C

Optional remote controller for 2 zone control. K and L Series.

CZ-RTW1

Optional remote controller for 2 zone control. M Series.

CZ-RTW2

Remote control compartment cover for K, L and M Series indoor units.

PAW-A2W-COV-KL

Wired LCD room thermostat with weekly timer.

PAW-A2W-RTWIRED

Wireless LCD room thermostat with weekly timer.

PAW-A2W-RTWIRELESS

Cascade solutions

Cascade manager for Aquarea Heat Pumps. Cascade up to 10 Aquarea Heat Pumps.

PAW-A2W-CMH-3

Aquarea Cascade Edge (manager) for Aquarea Heat Pumps with P-Smart Edge control and monitoring software. Cascade up to 4 units.

PAW-A2W-CME4

Aquarea Cascade Edge (manager) for Aquarea Heat Pumps with P-Smart Edge control and monitoring software. Cascade up to 10 units.

PAW-A2W-CME10

PCBs for additional functions

PCB for advanced functions. H and J Series.

CZ-NS4P

PCB for advanced functions. K and L Series.

CZ-NS5P

PCB for advanced functions. M Series All in One and Bi-bloc.

CZ-NS6P

PCB for advanced functions. M Series control module.

CZ-NS7P

Indoor unit accessories

Wall bracket to mount the All in One 120 L on the wall.

* Check availability.

CZ-NW1

Outdoor unit accessories

Base pan heater for Bi-bloc 3 and 5 kW (except L Series) and K Series 7 and 9 kW (1 fan model).

CZ-NE2P

Base pan heater. L Series 5, 7 and 9 kW and M Series.

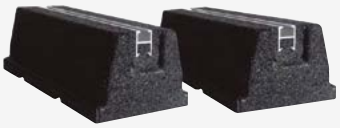
CZ-NE4P

Base pan heater. H and J Series and K Series 9 kW (2 fans model), 12 and 16 kW.

CZ-NE3P

Base pan heater. M Series 20, 25, 30 kW.

CZ-NE5P



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

Black ground stand for outdoor unit with 940 mm wide condenser water tray.

———

PAW-GRDSTD940

Black ground stand for outdoor unit with 1100 mm wide condenser water tray.

———

PAW-GRDSTD1100

Electrical heater foil for the ground stand with 940 mm wide condenser water tray.

———

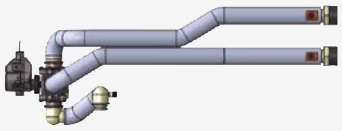
PAW-GRDSTDHTR940

Electrical heater foil for the ground stand with 1100 mm wide condenser water tray.

———

PAW-GRDSTDHTR1100

Hydraulic accessories



3 way valve kit to fit inside the hydrokit. H and J Series.

———

CZ-NV1

3 way valve kit to fit inside the hydrokit. K and L Series.

———

CZ-NV2

3 way valve kit to fit inside the hydrokit. M Series.

———

CZ-NV3

3 way valve for DHW tanks.

———

PAW-3WYVLV-HW

1 antifreeze valve. It is required to order 2 valves per system. For 9, 12 and 16 kW.

———

PAW-A2W-AFVLV-1

1 antifreeze valve 1 1/2". It is required to order 2 valves per system. For 20, 25 and 30 kW.

———

PAW-A2W-AFVLV-112

Optional magnet for the water filter in H Series models.

———

PAW-A2W-MGTFILTER

Connectivity

Optional Wi-Fi or WLAN adapter for smart control via Panasonic Comfort Cloud and/or remote maintenance via Aquarea Service Cloud.

———

CZ-TAW1C

10 m extension cable for CZ-TAW1C.

———

CZ-TAW1-CBL

Aquarea Home Network Hub.

———

PCZ-ESW737

External meter gateway for K Series onwards.

———

PAW-A2W-EXTMETER

Modbus PCB for Big Aquarea T-CAP M Series (installed inside the WH-CME8L).

———

CZ-NSMB

Modbus interface for H Series onwards (Airzone).

———

PAW-AZAW-MBS-M

Modbus interface (Intesis). H and J Series.

———

PAW-AW-MBS-H

KNX interface for H Series onwards (Airzone).

———

PAW-AZAW-KNX-1

KNX interface for H Series onwards (Intesis).

———

PAW-AW-KNX-H

Sensors for Aquarea H Series onwards

Outdoor ambient sensor.

———

PAW-A2W-TSOD

Zone room sensor.

———

PAW-A2W-TSRT

Zone water sensor.

———

PAW-A2W-TSHC

Solar sensor.

———

PAW-A2W-TSSO

Buffer tank sensor (for H and J Series, PAW-A2W-TSHC required if optional PCB is used.

———

PAW-A2W-TSBU

In-line heater sensor for the control module M Series.

———

PAW-A2W-TSBH

tado° room control and smart energy management

tado° Room control sets with Heat Pump Optimizer X

Set of tado° Heat Pump Optimizer X and 1x Smart Radiator Thermostat X.

———

KIT-TSRTXHP0XE

Set of tado° Heat Pump Optimizer X and 4x tado° Smart Radiator Thermostat X.

———

KIT-TSRTX4HP0XE

Set of tado° Heat Pump Optimizer X and 1x Smart Thermostat X.

———

KIT-TSTXHP0XE

Set of tado° Heat Pump Optimizer X and 1x Smart Thermostat X and 2x Smart Radiator Thermostat X.

———

KIT-TSTXSRTX2HP0XE

tado° Room control sets with Bridge X

tado° Smart Radiator Thermostat X with Bridge X.

———

PAW-TSRTXB

tado° Smart Thermostat X with Bridge X.

———

PAW-TSTXB

Set of 1x Smart Thermostat X, 2x Smart Radiator Thermostat X and 1x Bridge X.

———

PAW-TSTXSRTX2B

tado° X devices

tado° Heat Pump Optimizer X (with Europlug).

———

PAW-THP0XE

tado° Smart Thermostat X.

———

PAW-TSTX

tado° Wireless Temperature Sensor X.

———

PAW-TWTSX

tado° Smart Radiator Thermostat X.

———

PAW-TSRTX

4x tado° Smart Radiator Thermostat X.

———

PAW-TSRTX4

tado° Bridge X.

———

PAW-TBX

Aquarea Air Smart fan coil floor standing accessories

Control accessories

Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

PCZ-EEB749

Wall-mounted control with Integrated Wi-Fi for Aquarea Air Smart fan coils.

PCZ-EFB749

Wall-mounted control PCB for Aquarea Air Smart fan coil floor standing.

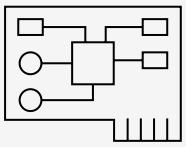
PCZ-ESE845

On-board display with Modbus for Aquarea Air Smart fan coil floor standing.

PCZ-ECA844

On-board display with integrated Wi-Fi for Aquarea Air Smart fan coil floor standing.

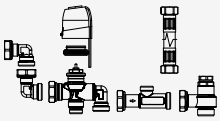
PCZ-EWA844



PCB for analog control (0-10V) for Aquarea Air Smart fan coils Floor standing.

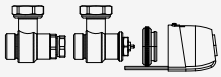
PCZ-B10842

Hydraulic accessories



Motorised 3 way valve for Aquarea Air floor standing.

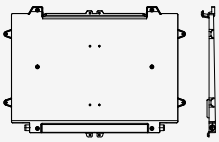
PCZ-V30720



Motorised 2 way valve for Aquarea Air floor standing, wall-mounted 40 and ducted.

PCZ-V20139

Installation accessories



Condensate drip tray for horizontal installation of the Aquarea Air Smart fan coil floor standing 10.

PCZ-GB0520

Condensate drip tray for horizontal installation of the Aquarea Air Smart fan coil floor standing 20.

PCZ-GB0521

Condensate drip tray for horizontal installation of the Aquarea Air Smart fan coil floor standing 30.

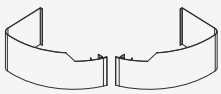
PCZ-GB0522

Condensate drip tray for horizontal installation of the Aquarea Air Smart fan coil floor standing 35.

PCZ-GB0523

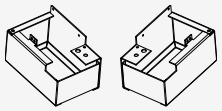
Condensate drip tray for horizontal installation of the Aquarea Air Smart fan coil floor standing 40.

PCZ-GB0524



Set of 2 legs to protect water pipes for Aquarea Air floor standing.

PCZ-LC0158



Set of 2 legs to anchor the Aquarea Air floor standing to the floor.

PCZ-LC0606

Aquarea Air Smart fan coil wall-mounted accessories

Control accessories

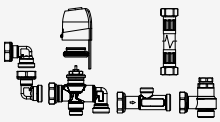
Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

PCZ-EEB749

Wall-mounted control with Integrated Wi-Fi for Aquarea Air Smart fan coils.

PCZ-EFB749

Hydraulic accessories

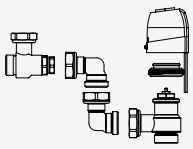


Motorised 3 way valve for Aquarea Air wall-mounted 10, 15 and 20.

PCZ-V30688

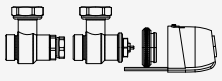
Motorised 3 way valve for Aquarea Air wall-mounted 40.

PCZ-V30718



Motorised 2 way valve for Aquarea Air wall-mounted 10, 15 and 20.

PCZ-V20687



Motorised 2 way valve for Aquarea Air floor standing, wall-mounted 40 and ducted.

PCZ-V20139

Aquarea Air Smart fan coil ducted thin accessories

Control accessories

Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

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PCZ-EEB749

Wall-mounted control with Integrated Wi-Fi for Aquarea Air Smart fan coils.

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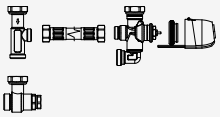
PCZ-EFB749

Hydraulic accessories



Motorised 3 way valve for Aquarea Air ducted.

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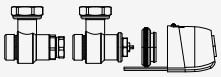
PCZ-V30361



Motorised 2 way valve for Aquarea Air floor standing, wall-mounted 40 and ducted.

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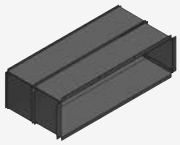
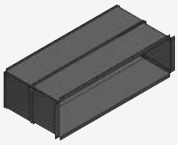
PCZ-V20139

Replacement filter kit	Delivery plates	Return plenum	90º shooting plenum	Telescopic kit	Grille for telescopic kit
					
Replacement recirculation filter kit. For P-FSN20 and P-FTN15. ———— PCZ-AHRD0491	**Delivery plate with 2 circular inlets DN 160 mm. For P-FTN15.** ———— PCZ-AHRD0561	**Return plenum with 2 circular inlets DN 160 mm. For P-FTN15.** ———— PCZ-AHRD0566	**90º shooting plenum. For P-FTN15.** ———— PCZ-AHRD0576	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FTN15.** ———— PCZ-AHRD0581	**Grille for telescopic kit for rear intake. For P-FTN15.** ———— PCZ-AHRD0586
Replacement recirculation filter kit. For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30. ———— PCZ-AHRD0492	**Delivery plate with 3 circular inlets DN 160 mm. For P-FTN20.** ———— PCZ-AHRD0562	**Return plenum with 3 circular inlets DN 160 mm. For P-FTN20.** ———— PCZ-AHRD0567	**90º shooting plenum. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0577	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FTN20.** ———— PCZ-AHRD0582	**Grille for telescopic kit for rear intake. For P-FTN20.** ———— PCZ-AHRD0587
Replacement recirculation filter kit. For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45. ———— PCZ-AHRD0493	**Delivery plate with 4 circular inlets DN 160 mm. For P-FTN25.** ———— PCZ-AHRD0563	**Return plenum with 4 circular inlets DN 160 mm. For P-FTN25.** ———— PCZ-AHRD0568	**90º shooting plenum. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0578	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FTN25.** ———— PCZ-AHRD0583	**Grille for telescopic kit for rear intake. For P-FTN25.** ———— PCZ-AHRD0588
Replacement recirculation filter kit. For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60. ———— PCZ-AHRD0494	**Delivery plate with 6 circular inlets DN 160 mm. For P-FTN35.** ———— PCZ-AHRD0564	**Return plenum with 6 circular inlets DN 160 mm. For P-FTN35.** ———— PCZ-AHRD0569	**90º shooting plenum. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0579	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FTN35.** ———— PCZ-AHRD0584	**Grille for telescopic kit for rear intake. For P-FTN35.** ———— PCZ-AHRD0589
Replacement recirculation filter kit. For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65. ———— PCZ-AHRD0495	**Delivery plate with 7 circular inlets DN 160 mm. For P-FTN45.** ———— PCZ-AHRD0565	**Return plenum with 7 circular inlets DN 160 mm. For P-FTN45.** ———— PCZ-AHRD0570	**90º shooting plenum. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0580	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FTN45.** ———— PCZ-AHRD0585	**Grille for telescopic kit for rear intake. For P-FTN45.** ———— PCZ-AHRD0590

Outdoor air kit	Ducting plate outdoor air kit	90º plenum for outdoor air kit with damper	Telescopic kit for outdoor air kit	Grille for telescopic kit for outdoor air kit
				
Plenum kit for external air connection with damper for room recirculation. For P-FTN15. ———— PCZ-AHRD0571	**Ducting plate plenum kit for outdoor air connection with damper. For P-FTN15.** ———— PCZ-AHRD0611	**90º plenum for outdoor air kit with damper. For P-FTN15.** ———— PCZ-AHRD0616	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN15.** ———— PCZ-AHRD0621	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN15.** ———— PCZ-AHRD0626
Plenum kit for external air connection with damper for room recirculation. For P-FTN20 and P-FTQ30. ———— PCZ-AHRD0572	**Ducting plate plenum kit for outdoor air connection with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0612	**90º plenum for outdoor air kit with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0617	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0622	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0627
Plenum kit for external air connection with damper for room recirculation. For P-FTN25 and P-FTQ45. ———— PCZ-AHRD0573	**Ducting plate plenum kit for outdoor air connection with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0613	**90º plenum for outdoor air kit with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0618	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0623	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0628
Plenum kit for external air connection with damper for room recirculation. For P-FTN35 and P-FTQ60. ———— PCZ-AHRD0574	**Ducting plate plenum kit for outdoor air connection with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0614	**90º plenum for outdoor air kit with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0619	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0624	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0629
Plenum kit for external air connection with damper for room recirculation. For P-FTN45 and P-FTQ65. ———— PCZ-AHRD0575	**Ducting plate plenum kit for outdoor air connection with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0615	**90º plenum for outdoor air kit with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0620	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0625	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0630

Aquarea Air Smart fan coil ducted accessories

Control accessories

Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

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PCZ-EEB749

Wall-mounted control with Integrated Wi-Fi for Aquarea Air Smart fan coils.

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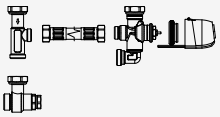
PCZ-EFB749

Hydraulic accessories



Motorised 3 way valve for Aquarea Air ducted.

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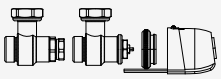
PCZ-V30361



Motorised 2 way valve for Aquarea Air floor standing, wall-mounted 40 and ducted.

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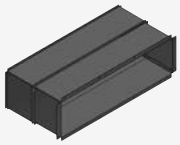
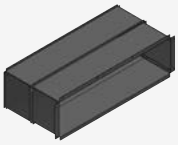
PCZ-V20139

Replacement filter kit	Delivery plates	Return plenum	90º shooting plenum	Telescopic kit	Grille for telescopic kit
					
Replacement recirculation filter kit. For P-FSN20 and P-FTN15. ———— PCZ-AHRD0491	**Delivery plate with 2 circular inlets DN 160 mm. For P-FSN20.** ———— PCZ-AHRD0431	**Return plenum with 2 circular inlets DN 160 mm. For P-FSN20.** ———— PCZ-AHRD0461	**90º shooting plenum. For P-FSN20.** ———— PCZ-AHRD0521	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FSN20.** ———— PCZ-AHRD0531	**Grille for telescopic kit for rear intake. For P-FSN20.** ———— PCZ-AHRD0541
Replacement recirculation filter kit. For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30. ———— PCZ-AHRD0492	**Delivery plate with 3 circular inlets DN 160 mm. For P-FSN25.** ———— PCZ-AHRD0432	**Return plenum with 3 circular inlets DN 160 mm. For P-FSN25.** ———— PCZ-AHRD0462	**90º shooting plenum. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0522	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FSN25.** ———— PCZ-AHRD0532	**Grille for telescopic kit for rear intake. For P-FSN25.** ———— PCZ-AHRD0542
Replacement recirculation filter kit. For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45. ———— PCZ-AHRD0493	**Delivery plate with 4 circular inlets DN 160 mm. For P-FSN35.** ———— PCZ-AHRD0433	**Return plenum with 4 circular inlets DN 160 mm. For P-FSN35.** ———— PCZ-AHRD0463	**90º shooting plenum. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0523	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FSN35.** ———— PCZ-AHRD0533	**Grille for telescopic kit for rear intake. For P-FSN35.** ———— PCZ-AHRD0543
Replacement recirculation filter kit. For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60. ———— PCZ-AHRD0494	**Delivery plate with 6 circular inlets DN 160 mm. For P-FSN45.** ———— PCZ-AHRD0434	**Return plenum with 6 circular inlets DN 160 mm. For P-FSN45.** ———— PCZ-AHRD0464	**90º shooting plenum. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0524	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FSN45.** ———— PCZ-AHRD0534	**Grille for telescopic kit for rear intake. For P-FSN45.** ———— PCZ-AHRD0544
Replacement recirculation filter kit. For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65. ———— PCZ-AHRD0495	**Delivery plate with 7 circular inlets DN 160 mm. For P-FSN55.** ———— PCZ-AHRD0435	**Return plenum with 7 circular inlets DN 160 mm. For P-FSN55.** ———— PCZ-AHRD0465	**90º shooting plenum. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0525	**Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm. For P-FSN55.** ———— PCZ-AHRD0535	**Grille for telescopic kit for rear intake. For P-FSN55.** ———— PCZ-AHRD0545

Outdoor air kit	Ducting plate outdoor air kit	90º plenum for outdoor air kit with damper	Telescopic kit for outdoor air kit	Grille for telescopic kit for outdoor air kit
				
Plenum kit for external air connection with damper for room recirculation. For P-FSN20. ———— PCZ-AHRD0639	**Ducting plate plenum kit for outdoor air connection with damper. For P-FSN20.** ———— PCZ-AHRD0651	**90º plenum for outdoor air kit with damper. For P-FSN20.** ———— PCZ-AHRD0656	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN20.** ———— PCZ-AHRD0661	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN20.** ———— PCZ-AHRD0666
Plenum kit for external air connection with damper for room recirculation. For P-FSN25 and P-FSQ30. ———— PCZ-AHRD0640	**Ducting plate plenum kit for outdoor air connection with damper. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0652	**90º plenum for outdoor air kit with damper. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0657	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0662	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0667
Plenum kit for external air connection with damper for room recirculation. For P-FSN35 and P-FSQ45. ———— PCZ-AHRD0641	**Ducting plate plenum kit for outdoor air connection with damper. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0653	**90º plenum for outdoor air kit with damper. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0658	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0663	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0668
Plenum kit for external air connection with damper for room recirculation. For P-FSN45 and P-FSQ60. ———— PCZ-AHRD0642	**Ducting plate plenum kit for outdoor air connection with damper. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0654	**90º plenum for outdoor air kit with damper. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0659	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0664	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0669
Plenum kit for external air connection with damper for room recirculation. For P-FSN55 and P-FSQ75. ———— PCZ-AHRD0643	**Ducting plate plenum kit for outdoor air connection with damper. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0655	**90º plenum for outdoor air kit with damper. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0660	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0665	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0670

Aquarea Air Smart fan coil ducted multi zone thin accessories

Control accessories

Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

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PCZ-EEB749

Wall-mounted control with Integrated Wi-Fi for Aquarea Air Smart fan coils.

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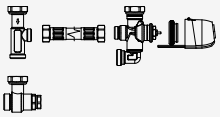
PCZ-EFB749

Hydraulic accessories



Motorised 3 way valve for Aquarea Air ducted.

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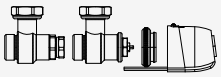
PCZ-V30361



Motorised 2 way valve for Aquarea Air floor standing, wall-mounted 40 and ducted.

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PCZ-V20139

Replacement filter kit

Replacement recirculation filter kit. For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30.

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PCZ-AHRD0492

Replacement recirculation filter kit. For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45.

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PCZ-AHRD0493

Replacement recirculation filter kit. For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60.

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PCZ-AHRD0494

Replacement recirculation filter kit. For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65.

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PCZ-AHRD0495

Return plenum

Return plenum with 2 circular inlets DN 160 mm. For P-FTQ30.

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PCZ-AHRD0682

Return plenum with 3 circular inlets DN 160 mm. For P-FTQ45.

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PCZ-AHRD0683

Return plenum with 4 circular inlets DN 160 mm. For P-FTQ60.

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PCZ-AHRD0684

Return plenum with 5 circular inlets DN 160 mm. For P-FTQ65.

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PCZ-AHRD0685

90º shooting plenum

90º shooting plenum. For P-FTN20 and P-FTQ30.

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PCZ-AHRD0577

90º shooting plenum. For P-FTN25 and P-FTQ45.

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PCZ-AHRD0578

90º shooting plenum. For P-FTN35 and P-FTQ60.

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PCZ-AHRD0579

90º shooting plenum. For P-FTN45 and P-FTQ65.

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PCZ-AHRD0580

Outdoor air kit

Plenum kit for external air connection with damper for room recirculation. For P-FTN20 and P-FTQ30.

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PCZ-AHRD0572

Plenum kit for external air connection with damper for room recirculation. For P-FTN25 and P-FTQ45.

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PCZ-AHRD0573

Plenum kit for external air connection with damper for room recirculation. For P-FTN35 and P-FTQ60.

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PCZ-AHRD0574

Plenum kit for external air connection with damper for room recirculation. For P-FTN45 and P-FTQ65.

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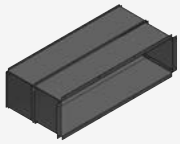
PCZ-AHRD0575

Ducting plate outdoor air kit	90º plenum for outdoor air kit with damper	Telescopic kit for outdoor air kit	Grille for telescopic kit for outdoor air kit
			
Ducting plate plenum kit for outdoor air connection with damper. For P-FTN20 and P-FTQ30. ———— PCZ-AHRD0612	**90º plenum for outdoor air kit with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0617	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0622	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0627
Ducting plate plenum kit for outdoor air connection with damper. For P-FTN25 and P-FTQ45. ———— PCZ-AHRD0613	**90º plenum for outdoor air kit with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0618	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0623	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0628
Ducting plate plenum kit for outdoor air connection with damper. For P-FTN35 and P-FTQ60. ———— PCZ-AHRD0614	**90º plenum for outdoor air kit with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0619	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0624	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0629
Ducting plate plenum kit for outdoor air connection with damper. For P-FTN45 and P-FTQ65. ———— PCZ-AHRD0615	**90º plenum for outdoor air kit with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0620	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0625	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0630

Non-return damper

Non-return damper for P-FTQ and P-FSQ. ———— PCZ-AHRD0519

Aquarea Air Smart fan coil ducted multi zone accessories

Control accessories

Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

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PCZ-EEB749

Wall-mounted control with Integrated Wi-Fi for Aquarea Air Smart fan coils.

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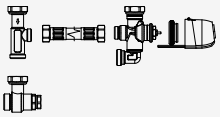
PCZ-EFB749

Hydraulic accessories



Motorised 3 way valve for Aquarea Air ducted.

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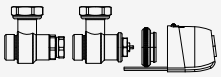
PCZ-V30361



Motorised 2 way valve for Aquarea Air floor standing, wall-mounted 40 and ducted.

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PCZ-V20139

Replacement filter kit

Replacement recirculation filter kit. For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30.

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PCZ-AHRD0492

Replacement recirculation filter kit. For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45.

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PCZ-AHRD0493

Replacement recirculation filter kit. For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60.

————

PCZ-AHRD0494

Replacement recirculation filter kit. For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65.

————

PCZ-AHRD0495

Return plenum

Return plenum with 2 circular inlets DN 160 mm. For P-FSQ30.

————

PCZ-AHRD0466

Return plenum with 3 circular inlets DN 160 mm. For P-FSQ45.

————

PCZ-AHRD0467

Return plenum with 4 circular inlets DN 160 mm. For P-FSQ60.

————

PCZ-AHRD0468

Return plenum with 5 circular inlets DN 160 mm. For P-FSQ75.

————

PCZ-AHRD0469

90º shooting plenum

90º shooting plenum. For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0522

90º shooting plenum. For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0523

90º shooting plenum. For P-FSN45 and P-FSQ60.

————

PCZ-AHRD0524

90º shooting plenum. For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0525

Outdoor air kit

Plenum kit for external air connection with damper for room recirculation. For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0640

Plenum kit for external air connection with damper for room recirculation. For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0641

Plenum kit for external air connection with damper for room recirculation. For P-FSN45 and P-FSQ60.

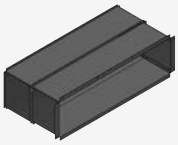
————

PCZ-AHRD0642

Plenum kit for external air connection with damper for room recirculation. For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0643

90º plenum for outdoor air kit with damper	Telescopic kit for outdoor air kit	Grille for telescopic kit for outdoor air kit
		
90º plenum for outdoor air kit with damper. For P-FSN25 and P-FSQ30. ———— PCZ-AHRD0657	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0662	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0667
90º plenum for outdoor air kit with damper. For P-FSN35 and P-FSQ45. ———— PCZ-AHRD0658	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0663	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0668
90º plenum for outdoor air kit with damper. For P-FSN45 and P-FSQ60. ———— PCZ-AHRD0659	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0664	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0669
90º plenum for outdoor air kit with damper. For P-FSN55 and P-FSQ75. ———— PCZ-AHRD0660	**Telescopic kit. For plenum for outdoor air kit with damper. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0665	**Grille for telescopic kit. For plenum for outdoor air kit with damper. For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0670

Non-return damper

Non-return damper for P-FTQ and P-FSQ.
————
PCZ-AHRD0519

Fan coil units controllers

			
Electro-mechanical controller (supplied loose). ———— TRM-FA	**Electronic controller.** ———— Plogic	**Electronic controller.** ———— TControl EASY 3S	**Electronic controller.** ———— TControl POD glass
			
Wired remote controller with touch control for 2-pipe and 4-pipe, EC fan coil (control + Modbus). ———— PAW-FC-907EC **Wired remote controller with touch control for 2-pipe, AC fan coil (control only).** ———— PAW-FC-907AC	**Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).** ———— PAW-FC-903EC **Wired remote controller for 2-pipe, AC fan coil (control only).** ———— PAW-FC-903AC	**Advanced wired remote controller for fan coil.** ———— PAW-FC-RC1	**Smart controller. Mini building management system.** ———— SRC

Plogic remote control.

———

WRC / MRC

Plogic remote control.

———

BRC

Plogic remote control.

———

IRC

Sanitary tank accessories

Tank sensor with 5 m cable length.

———

PAW-TS1

Tank sensor with 20 m cable length.

———

PAW-TS2

Tank sensor with 5 m cable length and only 6 mm diameter.

———

PAW-TS4

Temperature sensor kit for third party tank (with copper pocket and 20 m length sensor cable).

———

CZ-TK1

Impressed current anode for 200 L Stainless steel tanks.

———

PAW-EANODE2

Impressed current anode for 300 L Stainless steel tanks.

———

PAW-EANODE3

Heat recovery ventilation accessories

Supply and extract filters kit.

———

PAW-VEN-FLTKIT

Optional PCB for additional functions.

———

PAW-VEN-ACCPCB

HRV touch control panel. White frame (cable must be ordered separately).

———

PAW-VEN-DPL

Cable with plug for electrical connection between unit and control panel, type CE and CD (12 m).

———

PAW-VEN-CBLEXT12

Twin plugs for installation of several control panels type CD or CE for one unit.

———

PAW-VEN-DIVPLG

HRV touch control panel wall-mounted kit.

———

PAW-VEN-DPLBOX

CO_2 RH wall-mounted sensor.

———

PAW-VEN-S-CO2RH-W

CO_2 wall-mounted sensor.

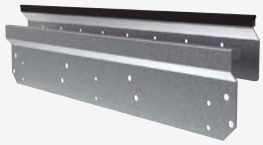
———

PAW-VEN-S-CO2-W

CO_2 duct sensor.

———

PAW-VEN-S-CO2-D



Wall bracket kit for stand-alone installation on the wall.

———

PAW-VEN-WBRK

Electrical duct heater 0,6 kW (includes relay).

———

PAW-VEN-HTR06

Electrical duct heater 1,2 kW (includes relay).

———

PAW-VEN-HTR12

Aquarea Vent accessories

Remote controller (required, to be ordered separately)

Wall-mounted control with Modbus for Aquarea Vent.

———

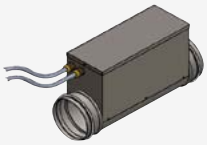
PCZ-AHRP0025

Wall-mounted control with Integrated Wi-Fi for Aquarea Vent.

———

PCZ-AHRP0026

Electrical duct heater



Electrical duct heater 0,5 kW, DN 160 mm.

———

PCZ-AHRP0421

Electrical duct heater 1,0 kW, DN 160 mm.

———

PCZ-AHRP0422

Filters

Spare F7 filter kit (2 pcs) for models 15Z, 20Z, 30Z, 15H and 15V.

———

PCZ-AHRP0501

Spare F7 filter kit (2 pcs) for models 30H.

———

PCZ-AHRP0507

Spare F7 filter kit (2 pcs) for models 30V.

———

PCZ-AHRP0502

Spare F7 filter kit (2 pcs) for models 35H and 45H.

———

PCZ-AHRP0503

Spare F7 filter kit (2 pcs) for models 40V and 45V.

———

PCZ-AHRP0504

Activated carbon filter (1 pc) for models 15Z, 20Z, 30Z, 15H and 15V.

———

PCZ-AHRP0901

Activated carbon filter (1 pc) for models 30H.

———

PCZ-AHRP0508

Activated carbon filter (1 pc) for models 30V.

———

PCZ-AHRP0902

Activated carbon filter (1 pc) for models 35H and 45H.

———

PCZ-AHRP0903

Activated carbon filter (1 pc) for models 40V and 45V.

———

PCZ-AHRP0904

Filters

External wall grid with flow deviation. Stainless steel, DN 160 mm.

———

PCZ-STE016181

External roof grill

Roof terminal. Stainless steel, DN 160 mm.

———

PCZ-STE016185

Through for flat roof terminal. Stainless steel, DN 160 mm.

———

PCZ-STE016190

Through for terminal inclined roof 45°. Stainless steel, DN 160 mm.

———

PCZ-STE016191

Through insulation collar for roof terminal.

———

PCZ-STE080189

Primary pipe connections

Insulated joint male/male. DN 160 mm.

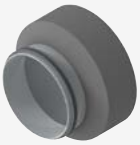
———

PCZ-SRA116110

Insulated sleeve female/female. DN 160 mm.

———

PCZ-SRA116120



Insulated reducer female/male. DN 160 mm to DN 125 mm.

———

PCZ-SRA112132

Insulated reducer female/male. DN 200 mm to DN 160 mm.

———

PCZ-SRA116132

Primary EPP connections

Rigid insulated pipe (primary EPP pipe). DN 160 mm, L= 1 mt, 1 joint included.

———

PCZ-SCS116001

Elbow 90° (primary EPP pipe. DN 160 mm, 1 joint included.

———

PCZ-SCS116090

Connection joint (primary EPP pipe). DN 160 mm.

———

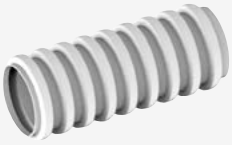
PCZ-SCS116160

Reducer (primary EPP pipe). DN 160 mm to DN 125mm.

———

PCZ-SCS116120

Primary flexible pipe



10 m primary flexible duct with insulated hose. DH 160 mm.

———

PCZ-SCE116010

10 m primary flexible duct with insulated aluphonic hose. DH 160 mm.

———

PCZ-SCE316010

Flexible pipe connections

Hose clamp for hose. 60/325 mm.

———

PCZ-SCE099120

Black air-tight anti-condensation tape. 50 mm x 10 m.

———

PCZ-SCE199121

Aluminium tape. 50 mm x 10 m. Sp 40 µm.

———

PCZ-SCE199122

Silencers

Flexible silencer male/male. DN 160 mm, SP 25 mm, L= 1000 mm.

———

PCZ-SCE216001

Distribution manifolds and accessories

TG1 insulated steel manifold with inspection door and side/front/perpendicular exits. 1x DN 160 mm - 4+4+4x DN 75/90 mm.

———

PCZ-SCO164044

TG2 insulated steel manifold with inspection door and side/front/perpendicular exits. 1x DN 160 mm - 4+8+4x DN 75/90 mm.

———

PCZ-SCO164084

TG3 insulated steel manifold with inspection door and side/front/perpendicular exits. 1x DN 160 mm - 4+12+4x DN 75/90 mm.

———

PCZ-SCO164124

Manifold/ plenum coupling for DN 75 mm corrugated start.

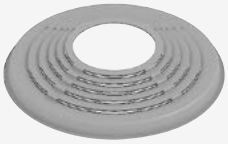
———

PCZ-SRS075140

Collector blind plug for manifold.

———

PCZ-SRS080141



Static flow regulator. 15=> 50 m³/h, step minimum= 5 m³/h.

———

PCZ-SRP080001

Corrugated pipe system with accessories

50 m corrugated pipe coil. DN 75 mm.

PCZ-SRS075050

O-Ring. DN 75 mm.

PCZ-SRS075145

Corrugated pipe blind plug. DN 75 mm.

PCZ-SRS075150

Joint male/male. DN 75 mm including two O-ring.

PCZ-SRS075120

Fixing clip. DN 75 mm. Use every 1,5 - 2 m linear and before and after each curve.

PCZ-SRS075155

90° vertical angle. DN 75 mm. Two O-rings included.

PCZ-SRS075160

Room plenum

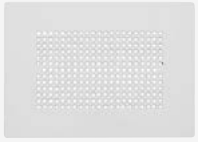
EPP polypropylene diffuser, modular and patented with 75/90 mm coupling, coupling for modular coupling , filter and installation brackets.

PCZ-REV081111

Replacement filter (10 pcs).

PCZ-SBO130860

Room grills with round holes



Grid 1x perforated round hole. Steel, white finish, 190 x 140 mm.

PCZ-SBO130801

Grid 2x perforated round hole. Steel, white finish, 360 x 140 mm.

PCZ-SBO300801

Grid 3x perforated round hole. Steel, white finish, 540 x 140 mm.

PCZ-SBO480801

Grid 4x perforated round hole. Steel, white finish, 360 x 260 mm.

PCZ-SBO302001

Room grills with square holes

Grid 1x perforated square hole. Steel, white finish, 190 x 140 mm.

PCZ-SBO130802

Grid 2x perforated square hole. Steel, white finish, 360 x 140 mm.

PCZ-SBO300802

Grid 3x perforated square hole. Steel, white finish, 540 x 140 mm.

PCZ-SBO480802

Grid 5x perforated square hole. Steel, white finish, 360 x 260 mm.

PCZ-SBO302002

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

Aquarea High Performance Hydraulic All in One L Series Single phase · R290

WH-WDG05LE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	2,45	1,76	1,39	3,80	2,30	1,65	3,60	2,46	1,46	—	—	—	—	—	—
-20	4,70	2,19	2,15	4,50	2,37	1,90	4,25	2,57	1,65	—	—	—	—	—	—
-15	5,00	1,94	2,58	5,00	2,31	2,16	5,00	2,63	1,90	4,60	2,88	1,60	—	—	—
-7	5,00	1,66	3,01	5,00	1,94	2,58	5,00	2,36	2,12	5,00	2,62	1,91	4,30	2,87	1,50
2	5,00	1,42	3,52	5,00	1,71	2,92	5,00	2,14	2,34	5,00	2,54	1,97	4,60	2,76	1,67
7	5,00	0,99	5,05	5,00	1,27	3,94	5,00	1,63	3,07	5,00	2,03	2,46	4,70	2,57	1,83
WH-WDG07LE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	4,75	2,53	1,88	4,30	2,66	1,62	3,95	2,78	1,42	—	—	—	—	—	—
-20	5,50	2,56	2,15	5,10	2,75	1,85	4,90	2,97	1,65	—	—	—	—	—	—
-15	6,00	2,50	2,40	5,50	2,60	2,12	5,20	2,89	1,80	4,80	3,00	1,60	—	—	—
-7	5,80	1,93	3,01	5,80	2,32	2,50	5,80	2,74	2,12	5,70	3,16	1,80	4,80	3,56	1,35
2	6,85	2,00	3,43	6,60	2,34	2,82	6,25	2,67	2,34	5,60	2,80	2,00	5,00	3,13	1,60
7	7,00	1,42	4,93	7,00	1,90	3,68	7,00	2,35	2,98	6,60	2,85	2,32	6,30	3,40	1,85
WH-WDG09LE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	6,05	3,43	1,76	5,25	3,28	1,60	4,65	3,15	1,48	—	—	—	—	—	—
-20	7,00	3,56	1,97	6,20	3,50	1,77	5,60	3,43	1,63	—	—	—	—	—	—
-15	7,40	3,20	2,31	6,80	3,40	2,00	6,30	3,55	1,77	5,60	3,55	1,58	—	—	—
-7	7,00	2,50	2,80	7,00	2,98	2,35	7,00	3,29	2,13	6,50	3,53	1,84	5,40	3,56	1,52
2	7,00	2,05	3,41	7,00	2,50	2,80	7,00	2,90	2,41	6,70	3,35	2,00	5,70	3,40	1,68
7	9,00	1,98	4,55	9,00	2,58	3,49	8,90	2,94	3,03	8,90	3,56	2,50	7,30	3,56	2,05

Aquarea High Performance Hydraulic All in One L Series Single phase · R290

WH-WDG05LE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	6,00	1,01	5,94	7,50	1,05	7,14	6,00	0,67	8,96
25	5,70	1,20	4,75	7,00	1,20	5,83	5,70	0,78	7,31
35	5,00	1,55	3,23	6,30	1,44	4,38	5,00	1,00	5,00
43	4,50	1,60	2,81	5,60	1,64	3,41	4,50	1,12	4,02
WH-WDG07LE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	7,00	1,36	5,15	8,50	1,39	6,12	8,00	1,04	7,69
25	7,00	1,65	4,24	8,00	1,57	5,10	7,50	1,18	6,36
35	7,00	2,31	3,03	8,00	2,26	3,54	7,00	1,48	4,73
43	6,00	2,50	2,40	7,00	2,60	2,69	5,70	1,70	3,35
WH-WDG09LE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	9,00	2,00	4,50	11,00	2,12	5,19	11,00	1,80	6,11
25	9,00	2,50	3,60	11,00	2,60	4,23	10,00	1,85	5,41
35	8,20	2,91	2,82	10,00	3,10	3,23	9,00	2,15	4,19
43	6,40	2,67	2,40	7,40	2,70	2,74	8,20	2,50	3,28

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea High Performance Mono-bloc J Series Single phase - MDC · R32

WH-MDC05J3E5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	4,37	1,73	2,53	4,16	2,03	2,05	3,84	2,37	1,62	3,43	2,64	1,30	—	—	—
-15	5,13	1,78	2,88	5,00	2,17	2,30	4,75	2,51	1,89	3,70	2,45	1,51	—	—	—
-7	5,17	1,49	3,47	5,00	1,80	2,78	4,80	2,16	2,22	5,00	2,70	1,85	4,68	2,71	1,73
2	5,00	1,11	4,50	5,00	1,40	3,57	5,00	1,81	2,76	5,00	2,20	2,27	4,80	2,40	2,00
7	5,09	0,78	6,53	5,00	0,99	5,05	5,00	1,31	3,82	5,00	1,66	3,01	4,58	1,90	2,41
25	4,96	0,77	6,44	5,04	0,90	5,60	5,31	1,16	4,58	5,61	1,34	4,19	5,15	1,33	3,87
WH-MDC07J3E5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	4,86	2,03	2,39	4,66	2,35	1,98	4,44	2,75	1,61	4,23	3,13	1,35	—	—	—
-15	5,80	2,11	2,75	5,60	2,40	2,33	5,30	2,84	1,87	5,00	3,32	1,51	—	—	—
-7	6,76	2,07	3,27	6,80	2,42	2,81	6,30	2,82	2,23	6,30	3,39	1,86	4,74	2,76	1,72
2	6,83	1,66	4,11	7,00	2,06	3,40	6,85	2,50	2,74	6,30	2,92	2,16	4,80	2,40	2,00
7	7,32	1,19	6,15	7,00	1,47	4,76	7,00	1,96	3,57	7,00	2,48	2,82	6,18	2,44	2,53
25	6,80	0,64	10,63	6,67	0,93	7,17	6,79	1,38	4,92	6,70	1,80	3,72	6,22	1,78	3,49
WH-MDC09J3E5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	5,33	2,36	2,26	6,43	3,60	1,79	5,78	3,83	1,51	4,83	3,64	1,33	—	—	—
-15	7,76	3,20	2,43	7,60	3,41	2,23	7,00	3,71	1,89	5,60	3,80	1,47	—	—	—
-7	7,39	2,45	3,02	7,50	2,85	2,63	7,30	3,37	2,17	7,00	3,89	1,80	6,44	3,67	1,75
2	7,38	1,89	3,90	7,45	2,38	3,13	7,00	2,85	2,46	7,00	3,30	2,12	5,46	2,72	2,01
7	9,15	1,59	5,75	9,00	2,01	4,48	9,00	2,61	3,45	8,95	3,22	2,78	7,25	2,87	2,53
25	8,02	0,98	8,18	7,88	1,32	5,97	8,46	1,86	4,55	7,60	2,03	3,74	6,30	1,87	3,37

Aquarea High Performance Mono-bloc J Series Single phase - MDC · R32

WH-MDC05J3E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	5,18	0,82	6,32	6,17	0,84	7,35	5,78	0,60	9,63
25	5,38	1,22	4,41	6,64	1,25	5,31	5,55	0,78	7,12
35	5,00	1,54	3,25	5,86	1,61	3,64	5,00	0,99	5,05
43	4,19	1,85	2,26	5,36	1,92	2,79	4,37	1,30	3,36
WH-MDC07J3E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	5,38	0,83	6,48	6,69	0,85	7,87	7,65	0,76	10,07
25	6,96	1,82	3,82	9,06	1,98	4,58	7,58	1,23	6,16
35	7,00	2,29	3,06	8,37	2,47	3,39	7,00	1,48	4,73
43	5,60	2,55	2,20	6,87	2,58	2,66	6,10	1,88	3,24
WH-MDC09J3E5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	6,89	1,21	5,69	8,65	1,23	7,03	9,82	1,19	8,25
25	9,50	2,84	3,35	11,55	3,06	3,77	9,68	1,82	5,32
35	9,00	3,32	2,71	10,10	3,51	2,88	9,00	2,12	4,25
43	5,42	2,56	2,12	6,56	2,56	2,56	7,40	2,56	2,89

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

Aquarea T-CAP Hydraulic Bi-bloc M Series Single phase / Three phase · R290

WH-WXG09ME8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	7,90	3,50	2,26	8,20	4,20	1,95	7,90	4,80	1,65	7,60	5,70	1,33	—	—	—	—	—	—
-20	7,90	2,94	2,69	8,20	3,34	2,46	7,90	3,99	1,98	7,60	4,76	1,60	7,10	5,30	1,34	—	—	—
-15	9,00	2,74	3,28	9,00	3,30	2,73	9,00	3,97	2,27	9,00	4,48	2,01	9,00	5,27	1,71	8,20	6,50	1,26
-7	9,00	2,26	3,98	9,00	2,61	3,45	9,00	3,35	2,69	9,00	3,83	2,35	9,00	4,68	1,92	9,00	5,90	1,53
2	8,80	1,95	4,51	9,00	2,36	3,81	9,00	2,91	3,09	9,00	3,54	2,54	9,00	4,29	2,10	9,00	5,50	1,64
7	9,00	1,24	7,26	9,00	1,72	5,23	9,00	2,30	3,91	9,00	2,78	3,24	9,00	3,46	2,60	8,90	4,98	1,79
25	7,20	0,86	8,37	9,00	1,08	8,33	9,00	1,55	5,81	9,00	2,05	4,39	9,00	2,68	3,36	8,40	3,45	2,43
WH-WXG12ME8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	10,20	4,90	2,08	10,50	5,55	1,89	9,50	5,75	1,65	8,65	5,90	1,47	—	—	—	—	—	—
-20	11,00	4,25	2,59	11,20	4,75	2,36	10,00	5,00	2,00	10,00	5,70	1,75	9,10	5,80	1,57	—	—	—
-15	12,00	4,27	2,81	12,00	4,56	2,63	11,50	5,42	2,12	11,00	5,50	2,00	10,00	5,88	1,70	9,00	6,10	1,48
-7	11,50	3,68	3,13	12,00	4,00	3,00	12,00	5,02	2,39	12,00	5,53	2,17	11,00	6,01	1,83	10,00	6,20	1,61
2	11,50	2,92	3,94	12,00	3,39	3,54	12,00	4,20	2,86	12,00	4,95	2,42	12,00	5,94	2,02	10,50	6,20	1,69
7	12,00	1,93	6,22	12,00	2,37	5,06	12,00	3,13	3,83	12,00	3,71	3,23	12,00	4,62	2,60	12,00	6,10	1,97
25	9,80	1,10	8,91	12,00	1,40	8,57	12,00	2,00	6,00	12,00	2,60	4,62	12,00	3,26	3,68	12,00	3,92	3,06
WH-WXG16ME8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	14,20	6,80	2,09	14,20	7,80	1,82	14,20	8,60	1,65	14,00	10,53	1,33	—	—	—	—	—	—
-20	14,20	5,40	2,63	14,20	6,10	2,33	14,20	6,90	2,06	14,20	8,10	1,75	14,20	10,16	1,40	—	—	—
-15	16,00	5,90	2,71	16,00	6,70	2,39	16,00	7,70	2,08	16,00	8,70	1,84	16,00	10,15	1,58	14,20	10,90	1,30
-7	16,00	5,40	2,96	16,00	6,32	2,53	16,00	7,10	2,25	16,00	8,12	1,97	16,00	9,40	1,70	16,00	10,30	1,55
2	16,00	3,63	4,41	16,00	4,85	3,30	16,00	5,88	2,72	16,00	6,75	2,37	16,00	8,15	1,96	16,00	9,99	1,60
7	16,00	2,70	5,93	16,00	3,27	4,89	16,00	4,19	3,82	16,00	5,00	3,20	16,00	6,30	2,54	16,00	7,60	2,11
25	16,00	1,45	11,03	16,00	1,99	8,04	16,00	2,85	5,61	16,00	3,65	4,38	16,00	4,75	3,37	16,00	6,30	2,54

Aquarea T-CAP Hydraulic Bi-bloc M Series Single phase / Three phase · R290

WH-WXG09ME8									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	9,80	2,00	4,90	11,00	2,04	5,39	10,80	1,38	7,83
25	9,30	2,28	4,08	10,50	2,35	4,47	10,20	1,49	6,85
35	9,00	2,49	3,61	9,80	2,63	3,73	9,00	1,71	5,26
43	8,40	2,80	3,00	9,00	2,88	3,13	8,60	2,00	4,30
WH-WXG12ME8									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	12,00	2,50	4,80	13,70	2,60	5,27	12,00	1,73	6,94
25	12,00	3,05	3,93	13,50	3,12	4,33	12,00	1,88	6,38
35	12,00	4,21	2,85	13,20	3,25	4,06	12,00	2,80	4,29
43	9,60	4,35	2,21	10,00	4,35	2,30	12,00	3,60	3,33
WH-WXG16ME8									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	15,50	3,00	5,17	15,80	2,75	5,75	16,00	2,50	6,40
25	15,00	3,75	4,00	15,50	3,40	4,56	16,00	3,10	5,16
35	14,50	5,05	2,87	14,50	4,50	3,22	15,50	3,95	3,92
43	12,00	5,15	2,33	12,00	5,20	2,31	15,00	5,35	2,80

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Big Aquarea T-CAP Hydraulic Stand-alone M Series Three phase · R290

WH-WXG20ME8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	20,00	9,15	2,19	20,00	11,23	1,78	20,00	13,32	1,50	—	—	—	—	—	—	—	—	—
-20	20,00	8,55	2,34	20,00	10,50	1,90	20,00	12,45	1,61	20,00	14,40	1,39	On request			—	—	—
-15	20,00	6,80	2,94	20,00	8,53	2,34	20,00	10,27	1,95	20,00	12,00	1,67	20,00	10,45	1,91	—	—	—
-7	20,00	6,83	2,93	20,00	8,05	2,48	20,00	9,28	2,16	20,00	10,50	1,90	20,00	10,60	1,89	—	—	—
2	20,00	3,99	5,01	20,00	5,90	3,39	20,00	7,81	2,56	20,00	9,61	2,08	20,00	11,00	1,82	—	—	—
7	20,00	2,50	8,00	20,00	4,17	4,80	20,00	5,84	3,42	20,00	6,28	3,18	20,00	9,16	2,18	—	—	—
25	20,00	2,33	8,58	20,00	2,60	7,69	20,00	2,87	6,97	20,00	3,14	6,37	20,00	4,03	4,96	20,00	7,67	2,61
WH-WXG25ME8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	22,00	11,34	1,94	23,00	13,80	1,67	24,00	16,26	1,48	—	—	—	—	—	—	—	—	—
-20	23,00	10,60	2,17	25,00	12,90	1,94	25,00	15,20	1,64	25,00	17,50	1,43	On request			—	—	—
-15	25,00	9,80	2,55	25,00	11,80	2,12	25,00	13,80	1,81	25,00	15,80	1,58	24,00	13,25	1,81	—	—	—
-7	25,00	7,60	3,29	25,00	10,60	2,36	25,00	13,60	1,84	25,00	13,90	1,80	25,00	14,10	1,77	—	—	—
2	25,00	6,85	3,65	25,00	8,93	2,80	25,00	11,01	2,27	25,00	12,70	1,97	25,00	13,70	1,82	—	—	—
7	25,00	3,89	6,43	25,00	5,55	4,50	25,00	7,21	3,47	25,00	8,33	3,00	25,00	11,60	2,16	—	—	—
25	25,00	3,09	8,09	25,00	3,42	7,31	25,00	3,75	6,67	25,00	4,08	6,13	25,00	5,18	4,83	25,00	9,60	2,60
WH-WXG30ME8																		
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**65**	**65**	**65**	**75**	**75**	**75**
-25	22,00	11,34	1,94	23,00	13,80	1,67	24,00	16,26	1,48	—	—	—	—	—	—	—	—	—
-20	23,00	10,60	2,17	25,00	12,90	1,94	25,00	15,20	1,64	25,00	17,50	1,43	On request			—	—	—
-15	27,00	13,43	2,01	30,00	15,50	1,94	30,00	17,57	1,71	30,00	19,64	1,53	25,00	14,61	1,71	—	—	—
-7	29,00	9,70	2,99	30,00	12,90	2,33	30,00	16,10	1,86	30,00	19,30	1,55	30,00	17,10	1,75	—	—	—
2	30,00	10,10	2,97	30,00	12,00	2,50	30,00	13,90	2,16	30,00	15,40	1,95	30,00	16,70	1,80	—	—	—
7	30,00	4,88	6,15	30,00	6,82	4,40	30,00	8,76	3,42	30,00	10,00	3,00	30,00	14,00	2,14	—	—	—
25	30,00	4,33	6,93	30,00	4,60	6,52	30,00	4,87	6,16	30,00	5,14	5,84	30,00	6,49	4,62	25,00	9,60	2,60

Big Aquarea T-CAP Hydraulic Stand-alone M Series Three phase · R290

WH-WXG20ME8									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	20,00	3,22	6,21	20,00	3,10	6,45	20,00	2,99	6,69
25	20,00	4,65	4,30	20,00	4,01	4,99	20,00	3,38	5,92
35	20,00	6,62	3,02	20,00	5,40	3,70	20,00	4,18	4,78
43	20,00	9,06	2,21	20,00	7,37	2,71	20,00	5,68	3,52
WH-WXG25ME8									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	25,00	4,56	5,48	25,00	4,32	5,79	25,00	4,09	6,11
25	25,00	6,35	3,94	25,00	5,45	4,59	25,00	4,57	5,47
35	25,00	8,74	2,86	25,00	7,17	3,49	25,00	5,59	4,47
43	21,80	9,44	2,31	23,40	8,63	2,71	25,00	7,54	3,32
WH-WXG30ME8									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	28,00	5,14	5,45	29,00	5,19	5,59	30,00	5,23	5,74
25	28,00	6,84	4,09	29,00	6,38	4,55	30,00	5,92	5,07
35	26,00	9,70	2,68	28,00	8,51	3,29	30,00	7,32	4,10
43	21,80	9,44	2,31	25,90	9,60	2,70	30,00	9,76	3,07

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.
* Data to be confirmed.

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

Aquarea T-CAP Mono-bloc J Series Single phase / Three phase - MXC · R32

WH-MXC09J3E5															
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	25	25	25	35	35	35	45	45	45	55	55	55	60	60	60
-20	9,00	3,44	2,62	9,00	3,95	2,28	9,00	4,65	1,94	7,90	5,58	1,42	—	—	—
-15	9,00	2,98	3,02	9,00	3,41	2,64	9,00	4,04	2,23	9,00	4,83	1,86	8,70	5,37	1,62
-7	10,50	2,72	3,86	9,00	2,92	3,08	9,00	3,54	2,54	9,00	4,24	2,12	9,00	4,62	1,95
2	10,80	2,14	5,05	9,00	2,36	3,81	9,00	2,91	3,09	9,00	3,55	2,54	9,00	4,05	2,22
7	9,00	1,38	6,52	9,00	1,77	5,08	9,00	2,37	3,80	9,00	2,92	3,08	9,00	3,29	2,74
25	9,00	0,77	11,69	9,00	1,00	9,00	10,00	1,67	5,99	10,00	2,28	4,39	11,00	2,86	3,85
WH-MXC12J6E5															
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	25	25	25	35	35	35	45	45	45	55	55	55	60	60	60
-20	12,00	5,02	2,39	12,00	5,80	2,07	11,00	5,95	1,85	10,00	6,50	1,54	—	—	—
-15	12,00	4,14	2,90	12,00	4,83	2,48	11,00	5,20	2,12	10,50	6,00	1,75	8,90	6,30	1,41
-7	13,50	4,30	3,14	12,00	4,25	2,82	12,00	5,02	2,39	12,00	6,00	2,00	11,00	6,30	1,75
2	14,50	3,23	4,49	12,00	3,40	3,53	12,00	4,20	2,86	12,00	4,95	2,42	12,00	5,77	2,08
7	12,00	2,00	6,00	12,00	2,50	4,80	12,00	3,24	3,70	12,00	3,94	3,05	12,00	4,52	2,65
25	12,00	1,20	10,00	12,00	1,49	8,05	12,00	2,10	5,71	12,00	2,75	4,36	12,00	3,11	3,86
WH-MXC09J3E8															
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	25	25	25	35	35	35	45	45	45	55	55	55	60	60	60
-20	9,00	3,44	2,62	9,00	3,95	2,28	9,00	4,65	1,94	7,90	5,58	1,42	—	—	—
-15	9,00	2,98	3,02	9,00	3,41	2,64	9,00	4,04	2,23	9,00	4,83	1,86	8,70	5,37	1,62
-7	10,50	2,72	3,86	9,00	2,92	3,08	9,00	3,54	2,54	9,00	4,24	2,12	9,00	4,62	1,95
2	10,80	2,14	5,05	9,00	2,36	3,81	9,00	2,91	3,09	9,00	3,55	2,54	9,00	4,05	2,22
7	9,00	1,38	6,52	9,00	1,77	5,08	9,00	2,37	3,80	9,00	2,92	3,08	9,00	3,29	2,74
25	9,00	0,77	11,69	9,00	1,00	9,00	10,00	1,67	5,99	10,00	2,28	4,39	11,00	2,86	3,85
WH-MXC12J9E8															
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	25	25	25	35	35	35	45	45	45	55	55	55	60	60	60
-20	12,00	5,02	2,39	12,00	5,80	2,07	10,50	5,75	1,83	9,20	5,80	1,59	—	—	—
-15	12,00	4,14	2,90	12,00	4,83	2,48	12,00	5,67	2,12	11,10	6,35	1,75	8,70	6,20	1,40
-7	13,50	4,30	3,14	12,00	4,25	2,82	12,00	5,02	2,39	12,00	6,00	2,00	11,00	6,30	1,75
2	14,50	3,23	4,49	12,00	3,40	3,53	12,00	4,20	2,86	12,00	4,95	2,42	12,00	5,77	2,08
7	12,00	2,00	6,00	12,00	2,50	4,80	12,00	3,24	3,70	12,00	3,94	3,05	12,00	4,52	2,65
25	12,00	1,20	10,00	12,00	1,49	8,05	12,00	2,10	5,71	12,00	2,75	4,36	12,00	3,11	3,86
WH-MXC16J9E8															
Tamb	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP	HC	IP	COP
LWC	25	25	25	35	35	35	45	45	45	55	55	55	60	60	60
-20	16,00	7,40	2,16	16,00	8,40	1,90	16,00	10,00	1,60	14,00	10,30	1,36	—	—	—
-15	15,30	6,10	2,51	16,00	6,91	2,32	16,00	8,44	1,90	16,00	9,97	1,60	14,00	10,60	1,32
-7	19,00	6,60	2,88	16,00	6,70	2,39	16,00	7,85	2,04	16,00	9,33	1,71	15,00	9,70	1,55
2	20,60	5,35	3,85	16,00	5,16	3,10	16,00	6,40	2,50	16,00	7,72	2,07	16,00	9,20	1,74
7	16,00	2,80	5,71	16,00	3,54	4,52	16,00	4,55	3,52	16,00	5,60	2,86	15,60	6,50	2,40
25	16,00	1,55	10,32	16,00	2,30	6,96	16,00	3,20	5,00	16,00	4,00	4,00	15,50	4,50	3,44

Aquarea T-CAP Mono-bloc J Series Single phase / Three phase - MXC · R32

Outdoor	WH-MXC09J3E5									WH-MXC12J6E5								
Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18	7	7	7	14	14	14	18	18	18
16	9,00	1,61	5,59	11,00	1,49	7,38	11,40	1,30	8,77	11,40	2,10	5,43	13,60	2,09	6,51	15,00	2,06	7,28
25	9,00	2,00	4,50	12,60	2,38	5,29	10,50	1,54	6,82	12,00	2,87	4,18	15,70	3,60	4,36	14,00	2,56	5,47
35	9,00	2,83	3,18	10,90	2,98	3,66	9,00	1,95	4,62	12,00	4,14	2,90	13,60	4,35	3,13	12,00	3,04	3,95
43	7,20	3,26	2,21	8,70	3,23	2,69	7,30	2,43	3,00	10,30	4,89	2,11	11,80	4,98	2,37	10,40	3,72	2,80

Outdoor	WH-MXC09J3E8									WH-MXC12J9E8									WH-MXC16J9E8								
Tamb	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER	CC	IP	EER
LWC	7	7	7	14	14	14	18	18	18	7	7	7	14	14	14	18	18	18	7	7	7	14	14	14	18	18	18
16	9,00	1,66	5,42	11,00	1,54	7,14	11,40	1,35	8,44	11,40	2,15	5,30	13,60	2,14	6,36	15,00	2,15	6,98	15,00	3,15	4,76	19,00	3,35	5,67	19,00	3,00	6,33
25	9,00	2,06	4,37	12,60	2,45	5,14	10,50	1,60	6,56	12,00	2,93	4,10	15,70	3,68	4,27	14,00	2,66	5,26	15,00	4,00	3,75	18,00	4,00	4,50	18,00	3,50	5,14
35	9,00	2,91	3,09	10,90	3,07	3,55	9,00	2,02	4,46	12,00	4,23	2,84	13,60	4,44	3,06	12,00	3,17	3,79	14,50	5,11	2,84	14,50	4,20	3,45	16,00	4,27	3,75
43	7,20	3,36	2,14	8,70	3,33	2,61	7,30	2,53	2,89	10,30	5,00	2,06	11,80	5,09	2,32	10,40	3,87	2,69	9,50	4,40	2,16	11,50	4,40	2,61	12,50	4,30	2,91

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea EcoFleX. Single phase · R32

CU-2WZ71YBE5												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**
-15	4,85	2,15	2,26	4,75	2,28	2,08	4,65	2,44	1,91	4,50	3,20	1,41
-7	5,40	1,70	3,18	5,60	1,97	2,84	5,60	2,40	2,33	5,30	2,78	1,91
2	6,50	1,77	3,67	6,70	2,06	3,25	6,60	2,45	2,69	6,00	2,89	2,08
7	8,16	1,63	5,01	8,00	1,90	4,21	8,00	2,30	3,48	8,00	2,85	2,81
12	8,22	1,28	6,42	8,00	1,52	5,26	8,00	2,00	4,00	8,00	2,60	3,08

Aquarea High Performance Bi-bloc K Series Single phase · R32

WH-UDZ03KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	2,50	1,11	2,25	2,52	1,31	1,92	2,24	1,59	1,41	2,12	1,80	1,18	—	—	—
-15	3,00	1,14	2,63	3,20	1,37	2,34	3,00	1,62	1,85	2,75	1,92	1,43	—	—	—
-7	2,99	0,91	3,29	3,30	1,18	2,80	3,25	1,47	2,21	3,20	1,79	1,79	3,00	1,88	1,60
2	2,92	0,69	4,23	3,20	0,88	3,64	3,20	1,13	2,83	3,20	1,46	2,19	3,15	1,67	1,89
7	3,09	0,49	6,31	3,20	0,60	5,33	3,20	0,84	3,81	3,20	1,14	2,81	2,95	1,22	2,42
WH-UDZ05KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	4,05	1,95	2,08	3,76	2,20	1,71	3,39	2,48	1,37	—	—	—
-15	—	—	—	5,00	2,11	2,37	4,75	2,49	1,91	4,30	2,61	1,65	—	—	—
-7	—	—	—	5,00	1,79	2,79	5,00	2,14	2,34	5,00	2,65	1,89	4,68	2,71	1,73
2	—	—	—	5,00	1,40	3,57	5,00	1,79	2,79	5,00	2,18	2,29	4,80	2,40	2,00
7	—	—	—	5,00	0,98	5,10	5,00	1,31	3,82	5,00	1,65	3,03	4,58	1,90	2,41
WH-UDZ07KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	4,45	2,12	2,10	4,23	2,48	1,71	3,90	2,85	1,37	—	—	—
-15	—	—	—	5,60	2,38	2,35	5,30	2,78	1,91	5,00	3,20	1,56	—	—	—
-7	—	—	—	5,75	1,95	2,95	5,65	2,30	2,46	5,35	2,70	1,98	4,98	2,90	1,72
2	—	—	—	6,85	2,00	3,43	6,75	2,40	2,81	6,25	2,80	2,23	6,18	2,91	2,12
7	—	—	—	7,00	1,44	4,86	7,00	1,92	3,65	7,00	2,40	2,92	6,86	2,73	2,51
WH-UDZ09KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	4,95	2,43	2,04	4,58	2,70	1,70	4,04	3,00	1,35	—	—	—
-15	—	—	—	7,40	3,20	2,31	6,45	3,28	1,97	5,40	3,42	1,58	—	—	—
-7	—	—	—	6,25	2,20	2,84	6,10	2,68	2,28	5,90	3,06	1,93	5,65	3,24	1,74
2	—	—	—	7,00	2,06	3,40	6,85	2,50	2,74	6,30	2,89	2,18	7,26	3,31	2,19
7	—	—	—	9,00	1,98	4,55	9,00	2,58	3,49	8,90	3,04	2,93	8,60	3,42	2,51
WH-UDZ12KE5															
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**25**	**25**	**25**	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	—	—	—	8,80	4,42	1,99	8,00	4,95	1,62	7,00	5,65	1,24	—	—	—
-15	—	—	—	9,10	3,70	2,46	8,20	4,00	2,05	7,20	4,21	1,71	—	—	—
-7	—	—	—	10,10	3,69	2,74	9,30	4,29	2,17	8,40	4,27	1,97	7,30	4,40	1,66
2	—	—	—	11,50	3,34	3,44	10,70	3,78	2,83	9,20	4,09	2,25	8,20	4,40	1,86
7	—	—	—	12,10	2,53	4,78	12,00	3,38	3,55	12,00	4,06	2,96	10,20	4,26	2,39

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

Aquarea High Performance Bi-bloc K Series Single phase · R32

WH-UDZ03KE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	3,56	0,57	6,25	4,32	0,55	7,85	3,47	0,41	8,46
25	3,29	0,73	4,51	4,06	0,72	5,64	3,27	0,52	6,29
35	3,20	0,91	3,52	3,56	0,93	3,83	3,20	0,68	4,71
43	2,68	1,06	2,53	3,34	1,09	3,06	2,79	0,82	3,40
WH-UDZ05KE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
25	5,47	1,37	3,99	6,62	1,39	4,76	5,54	0,80	6,93
35	5,00	1,64	3,05	6,69	1,76	3,80	5,00	1,02	4,90
43	4,18	1,83	2,28	5,54	1,84	3,01	4,45	1,27	3,50
WH-UDZ07KE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
25	6,32	1,72	3,67	8,16	1,93	4,23	6,63	1,12	5,92
35	6,70	2,21	3,03	8,19	2,42	3,38	6,70	1,42	4,72
43	5,72	2,62	2,18	7,47	2,80	2,67	6,15	1,78	3,46
WH-UDZ09KE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
25	8,31	2,50	3,32	10,43	2,67	3,91	8,85	1,72	5,15
35	8,20	3,02	2,72	10,28	3,25	3,16	9,00	2,15	4,19
43	5,00	2,15	2,33	6,38	2,15	2,97	7,02	2,14	3,28
WH-UDZ12KE5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
25	10,20	3,62	2,82	12,00	3,70	3,24	10,80	2,53	4,27
35	10,70	4,00	2,68	10,70	4,54	2,36	10,70	2,73	3,92
43	6,10	3,55	1,72	7,20	3,56	2,02	8,00	3,55	2,25

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Aquarea T-CAP Bi-bloc K Series Single phase / Three phase · R32

WH-UXZ09KE5												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	8,80	4,79	1,84	8,80	5,30	1,66	8,55	5,90	1,45	—	—	—
-15	9,00	3,45	2,61	9,00	4,30	2,09	9,00	4,95	1,82	—	—	—
-7	9,00	3,00	3,00	9,00	3,82	2,36	9,00	4,28	2,10	9,00	4,72	1,91
2	9,00	2,44	3,69	9,00	3,05	2,95	9,00	3,90	2,31	9,00	4,05	2,22
7	9,00	1,79	5,03	9,00	2,42	3,72	9,00	2,93	3,07	9,00	3,43	2,62
25	7,95	1,20	6,63	9,00	1,56	5,77	11,30	3,13	3,61	11,00	2,86	3,85
WH-UXZ12KE5												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	11,50	6,05	1,90	10,20	6,02	1,69	8,70	6,00	1,45	—	—	—
-15	12,00	4,90	2,45	11,00	5,38	2,04	10,50	6,20	1,69	—	—	—
-7	12,00	4,41	2,72	12,00	5,54	2,17	12,00	6,00	2,00	11,00	6,30	1,75
2	12,00	3,49	3,44	12,00	4,25	2,82	12,00	5,24	2,29	12,00	5,77	2,08
7	12,10	2,50	4,84	12,10	3,38	3,58	12,10	3,98	3,04	12,00	4,52	2,65
25	10,90	1,61	6,77	10,87	2,44	4,45	11,30	3,13	3,61	12,00	3,11	3,86
WH-UXZ09KE8												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	8,80	4,79	1,84	8,80	5,30	1,66	8,55	5,90	1,45	—	—	—
-15	9,00	3,45	2,61	9,00	4,30	2,09	9,00	4,95	1,82	—	—	—
-7	9,00	3,00	3,00	9,00	3,82	2,36	9,00	4,28	2,10	9,00	4,72	1,91
2	9,00	2,44	3,69	9,00	3,05	2,95	9,00	3,90	2,31	9,00	4,05	2,22
7	9,00	1,79	5,03	9,00	2,42	3,72	9,00	2,93	3,07	9,00	3,43	2,62
25	7,95	1,20	6,63	9,00	1,56	5,77	11,30	3,13	3,61	11,00	2,86	3,85
WH-UXZ12KE8												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	11,50	6,05	1,90	10,20	6,02	1,69	8,70	6,00	1,45	—	—	—
-15	12,00	4,90	2,45	11,00	5,38	2,04	10,50	6,20	1,69	—	—	—
-7	12,00	4,41	2,72	12,00	5,54	2,17	12,00	5,24	2,29	11,80	6,59	1,79
2	12,00	3,49	3,44	12,00	4,25	2,82	12,00	5,24	2,29	12,00	5,77	2,08
7	12,10	2,50	4,84	12,10	3,38	3,58	12,10	3,98	3,04	12,00	4,52	2,65
25	10,90	1,61	6,77	10,87	2,44	4,45	11,30	3,13	3,61	12,00	3,11	3,86
WH-UXZ16KE8												
Tamb	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**	**HC**	**IP**	**COP**
LWC	**35**	**35**	**35**	**45**	**45**	**45**	**55**	**55**	**55**	**60**	**60**	**60**
-20	16,00	8,20	1,95	15,00	9,00	1,67	12,00	9,30	1,29	—	—	—
-15	16,00	6,91	2,32	16,00	8,44	1,90	16,00	9,97	1,60	—	—	—
-7	16,00	6,70	2,39	16,00	7,85	2,04	16,00	9,33	1,71	15,00	9,70	1,55
2	16,00	5,16	3,10	16,00	6,40	2,50	16,00	7,72	2,07	16,00	9,20	1,74
7	16,00	3,65	4,38	16,00	4,72	3,39	16,00	5,88	2,72	15,20	5,90	2,58
25	16,00	2,30	6,96	16,00	3,20	5,00	16,00	4,00	4,00	14,50	4,30	3,37

Aquarea T-CAP Bi-bloc K Series Single phase / Three phase · R32

Outdoor	WH-UXZ09KE5									WH-UXZ12KE5								
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
25	8,98	2,37	3,79	10,60	2,41	4,40	9,00	1,57	5,73	11,10	3,35	3,31	13,03	3,43	3,80	11,63	2,34	4,97
35	8,80	2,83	3,11	9,07	3,01	3,01	8,80	1,90	4,63	10,70	4,00	2,68	11,42	4,20	2,72	10,70	2,73	3,92
43	6,48	3,27	1,98	7,65	3,27	2,34	6,68	2,46	2,72	6,62	3,29	2,01	7,89	3,30	2,39	8,68	3,28	2,65

Outdoor	WH-UXZ09KE8									WH-UXZ12KE8									WH-UXZ16KE8								
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
25	8,98	2,37	3,79	10,60	2,41	4,40	9,00	1,57	5,73	11,10	3,35	3,31	13,03	3,43	3,80	11,63	2,34	4,97	15,00	4,00	3,75	17,00	4,20	4,05	17,00	3,40	5,00
35	8,80	2,83	3,11	9,07	3,01	3,01	8,80	1,90	4,63	10,70	4,00	2,68	11,42	4,20	2,72	10,70	2,73	3,92	13,40	5,08	2,64	15,50	5,30	2,92	13,40	5,08	2,64
43	6,48	3,27	1,98	7,65	3,27	2,34	6,68	2,46	2,72	6,62	3,29	2,01	7,89	3,30	2,39	8,68	3,28	2,65	8,80	4,20	2,10	10,50	4,30	2,44	11,50	4,20	2,74

Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

Aquarea T-CAP Bi-bloc H Series Three phase. Super Quiet outdoor unit - SQC · R410A

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

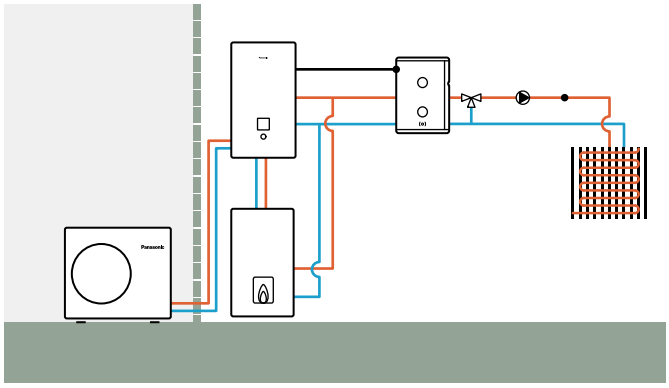
Aquarea T-CAP Bi-bloc H Series Three phase. Super Quiet outdoor unit - SQC · R410A

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

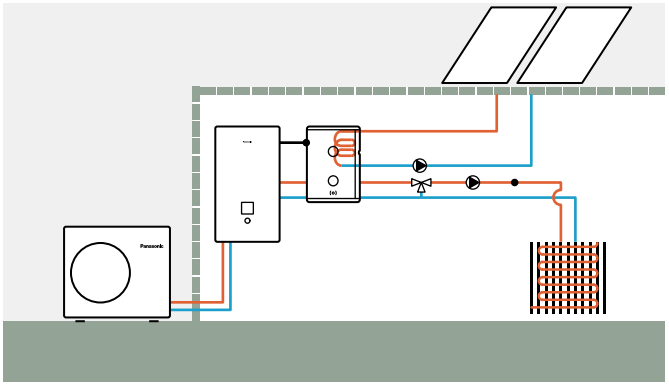
Tamb: Ambient Temperature (°C). LWC: Leaving Water Condenser Temperature (°C). HC: Heating Capacity (kW). CC: Cooling Capacity (kW). IP: Input Power (kW).
This data is measured by Panasonic in accordance with EN 14511-2 standard. This data is for reference purpose only, and does not guarantee the performance.

Examples of installations

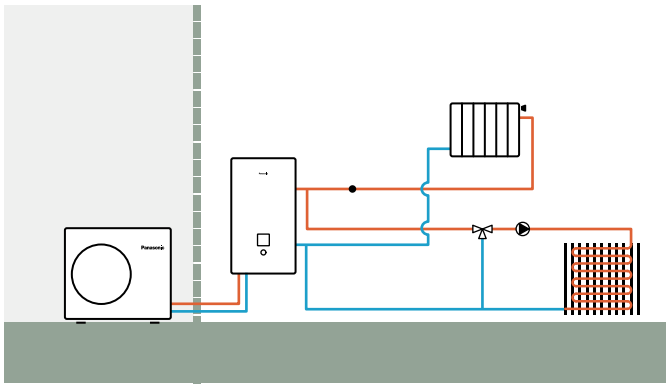
Aquarea H and J Series:
Bivalent with buffer tank and mixing valve



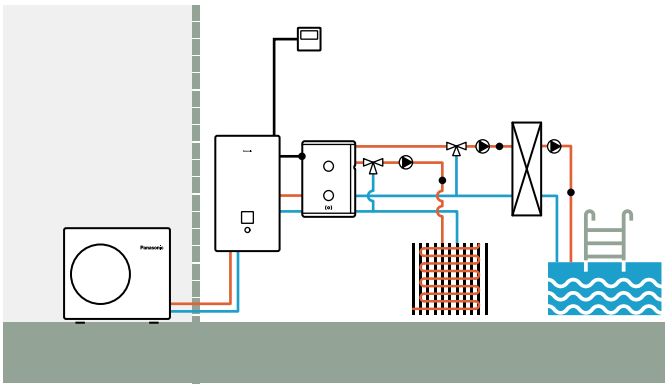
Aquarea H and J Series:
Buffer tank with solar and mixing valve



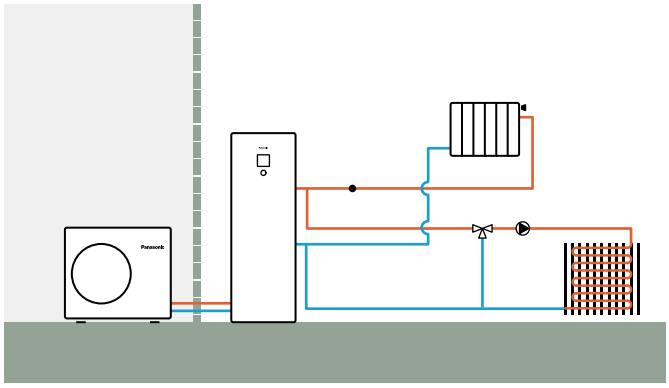
Aquarea H and J Series:
2 zones with external kit without buffer tank



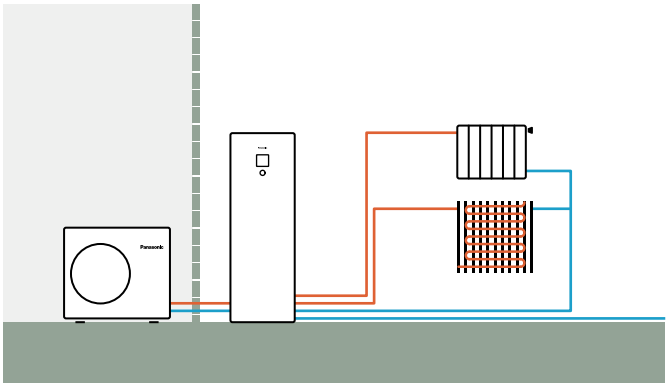
Aquarea H and J Series:
2 zones with external kit, buffer tank and swimming pool



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

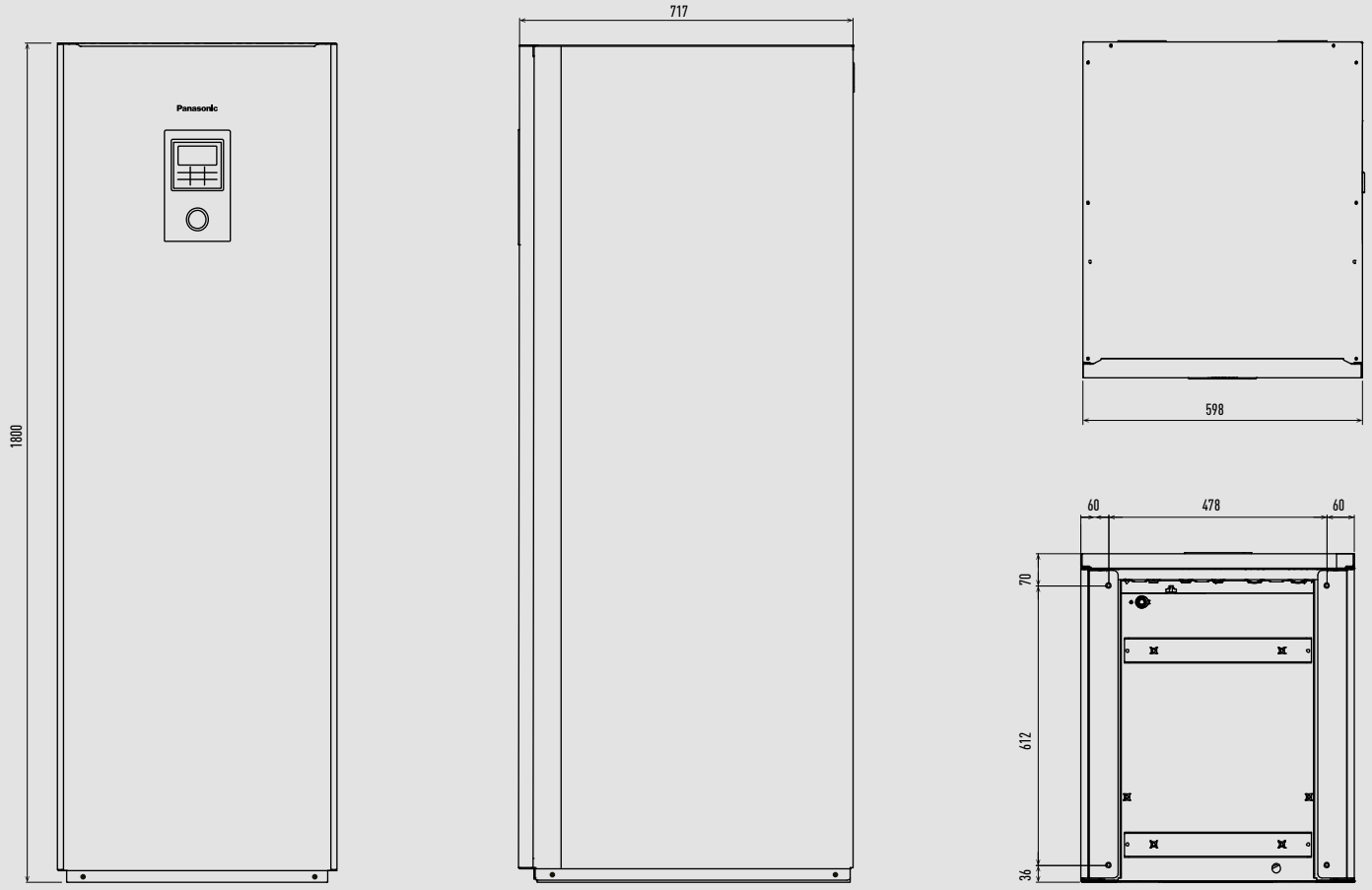


Aquarea All in One 2 zones H and J Series:
2 zones built-in, without buffer tank



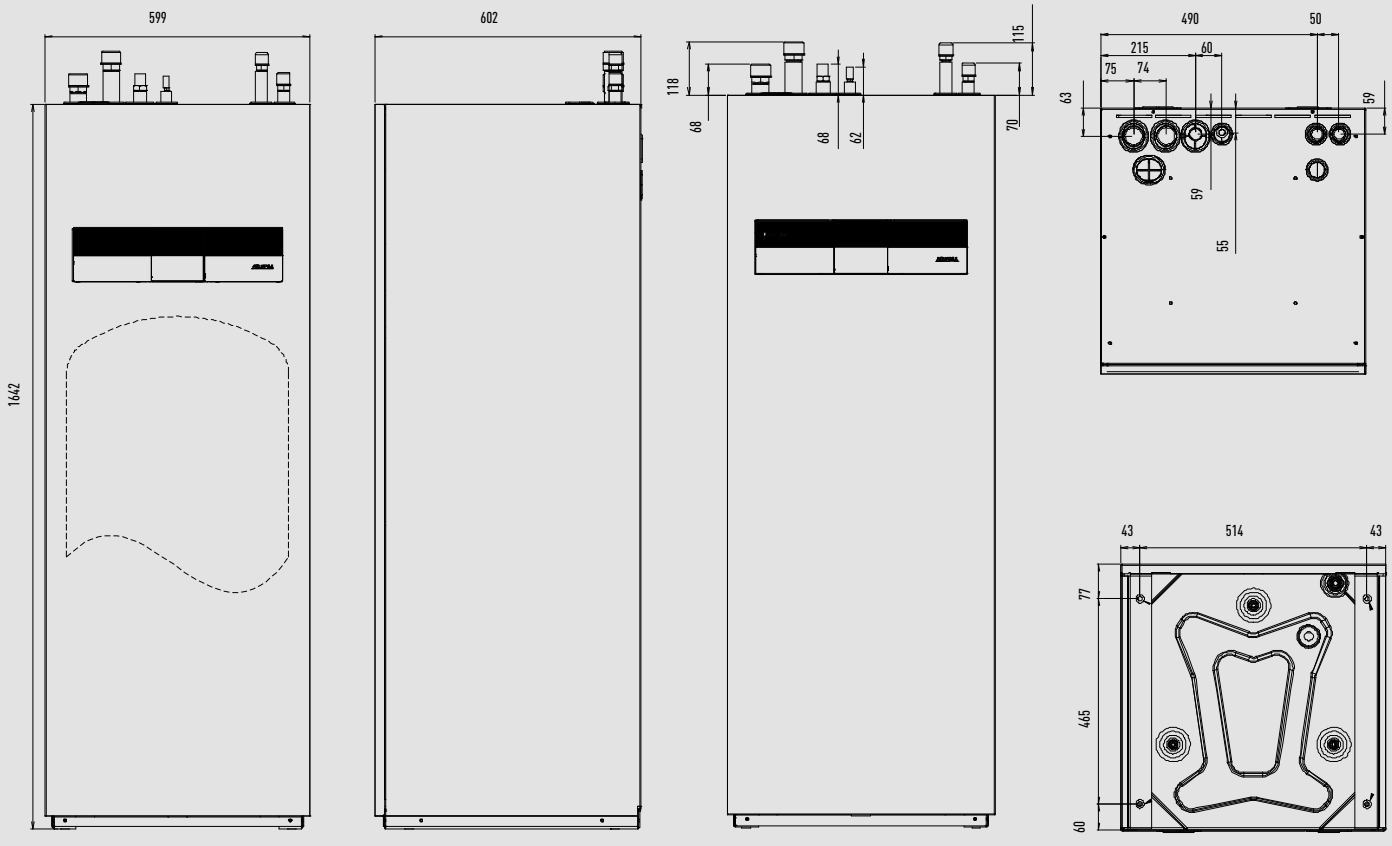
Dimensions

Aquarea All in One H Series.



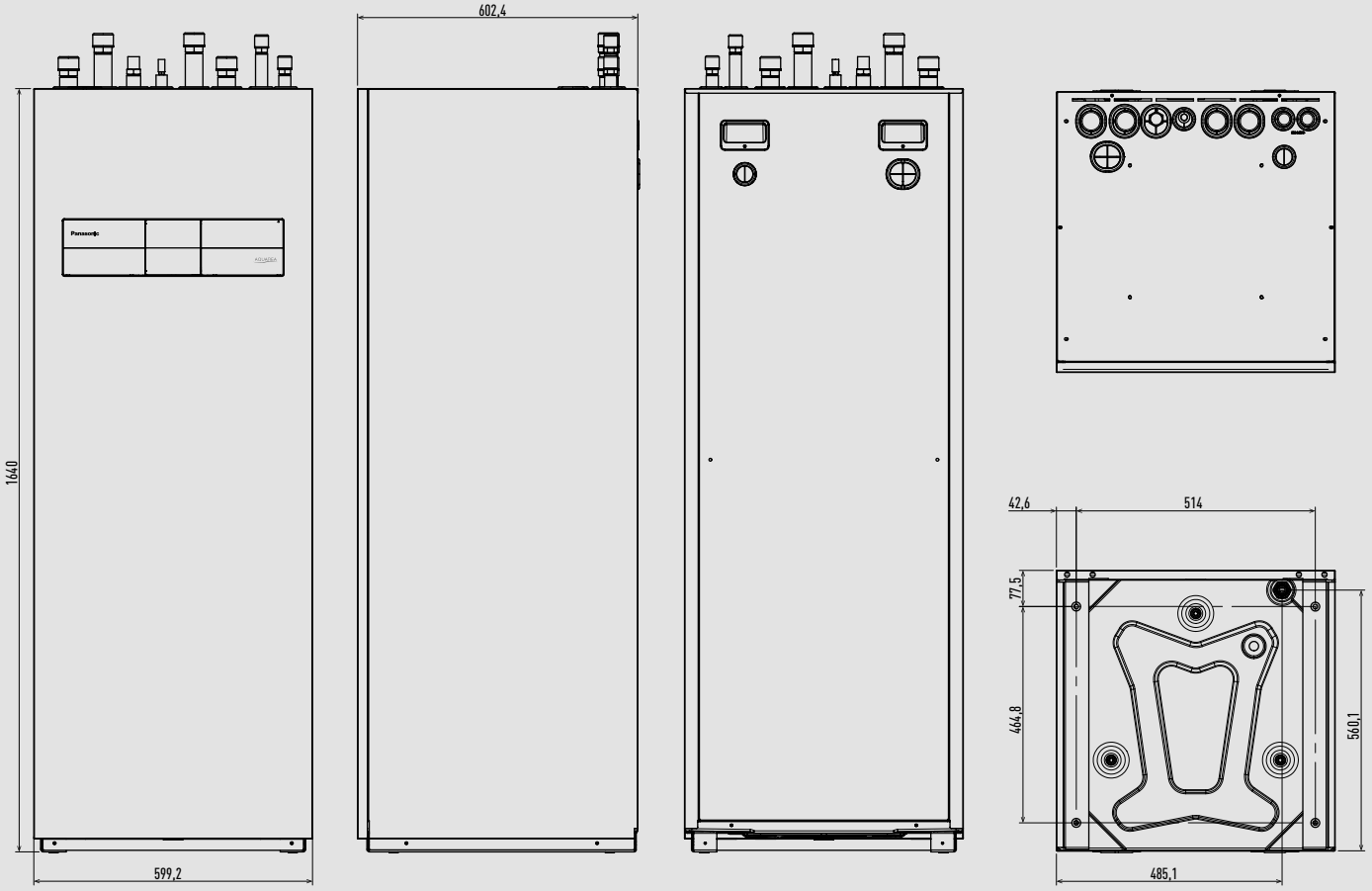
Unit: mm

Aquarea All in One / with Electrical Anode K Series (185 L).



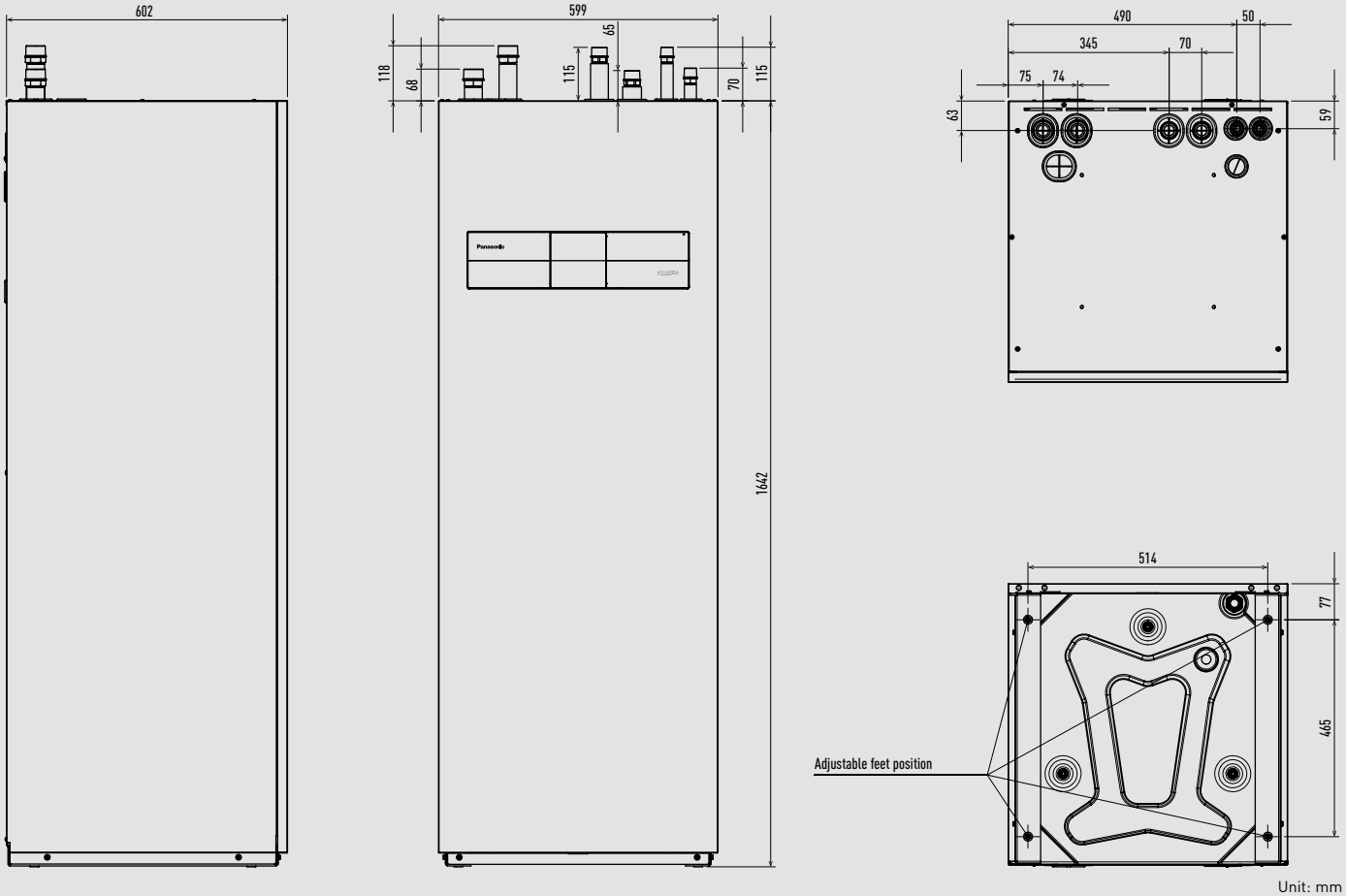
Unit: mm

Aquarea All in One 2 zones K Series (185 L).



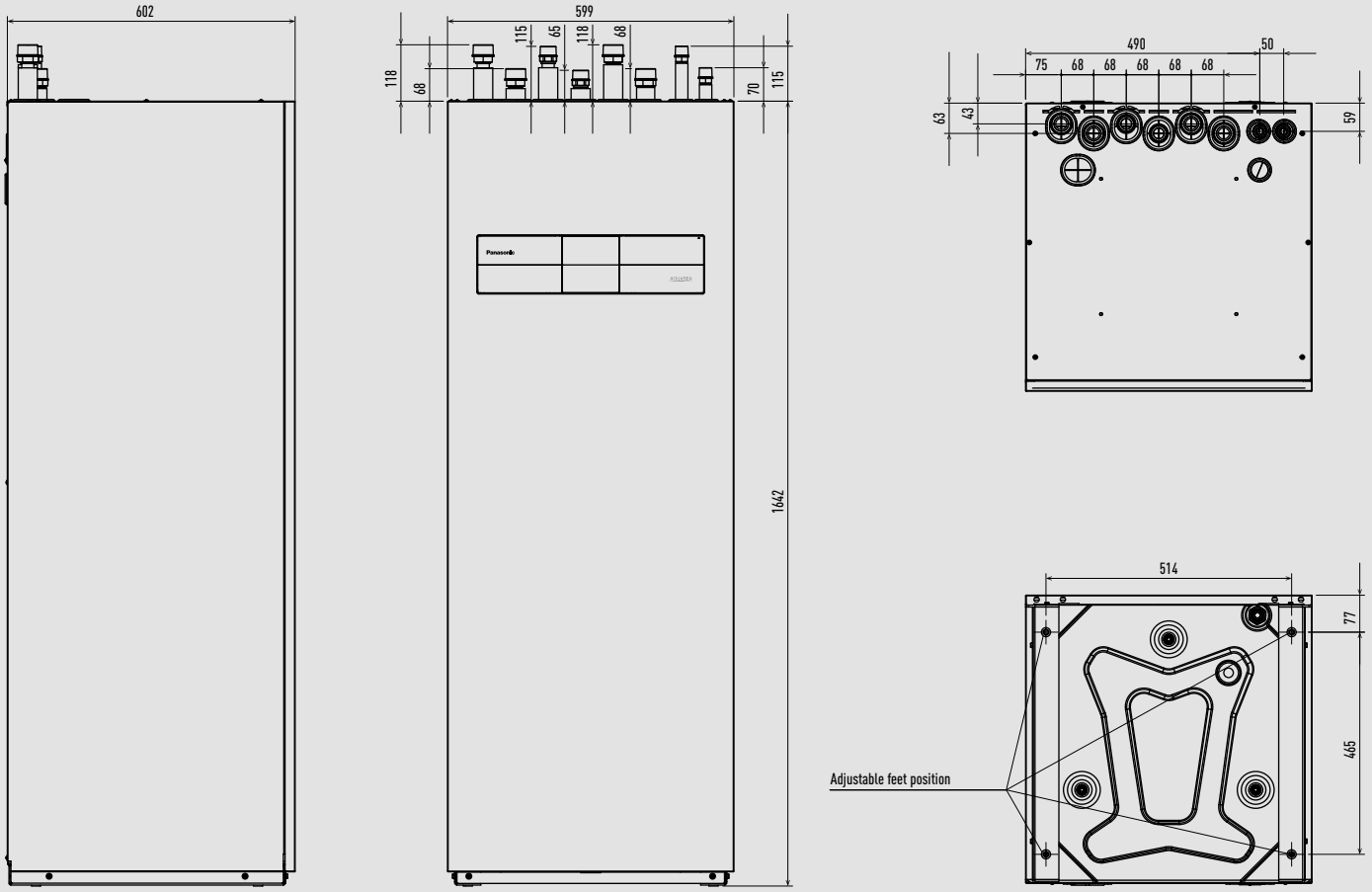
Unit: mm

Aquarea Hydraulic All in One / with Electrical Anode L Series (185 L).



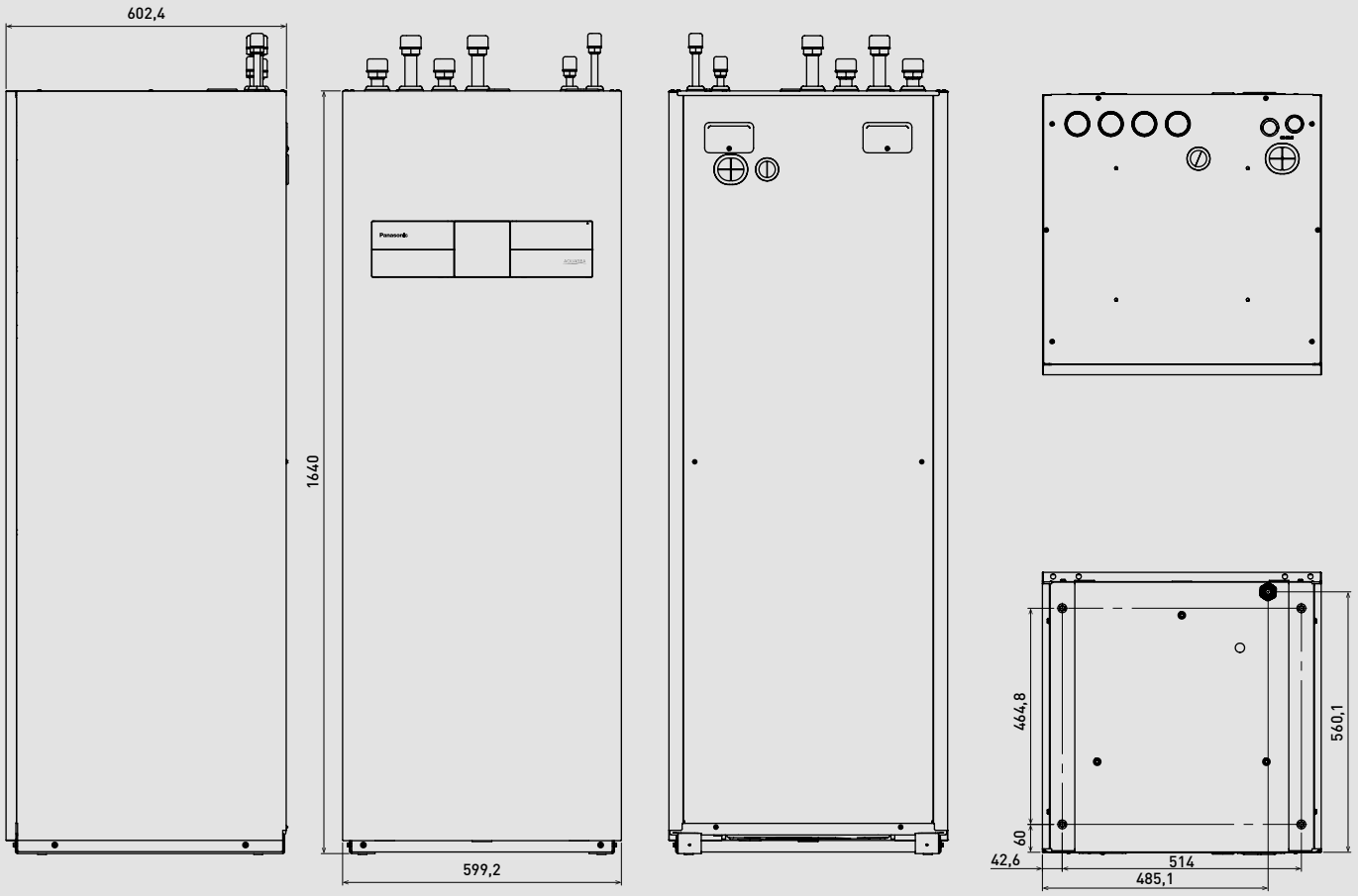
Unit: mm

Aquarea Hydraulic All in One 2 zones L Series (185 L).



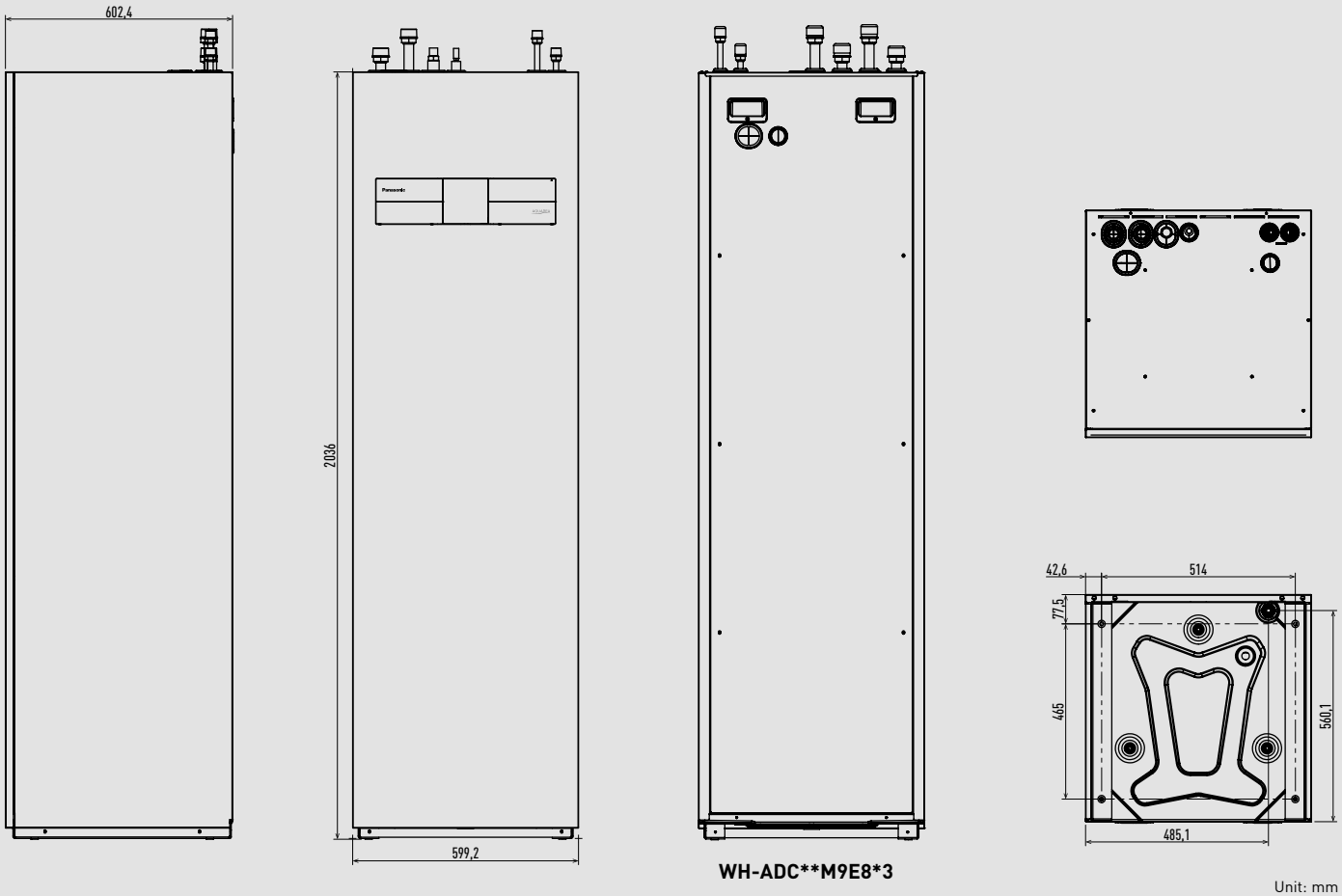
Unit: mm

Aquarea Hydraulic All in One / with Electrical Anode M Series (185 L).



Unit: mm

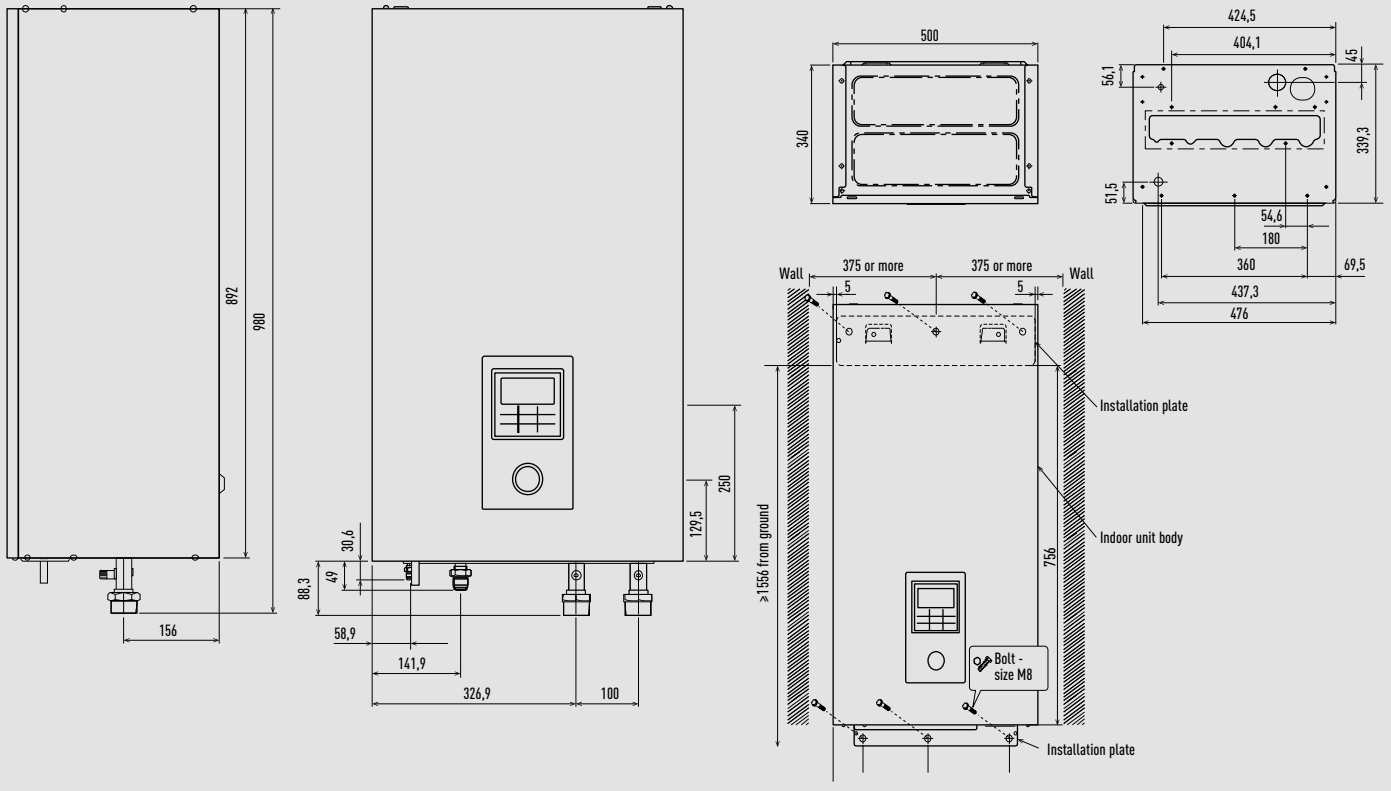
Aquarea Hydraulic All in One / with Electrical Anode M Series (260 L).



WH-ADCM9E8*3**

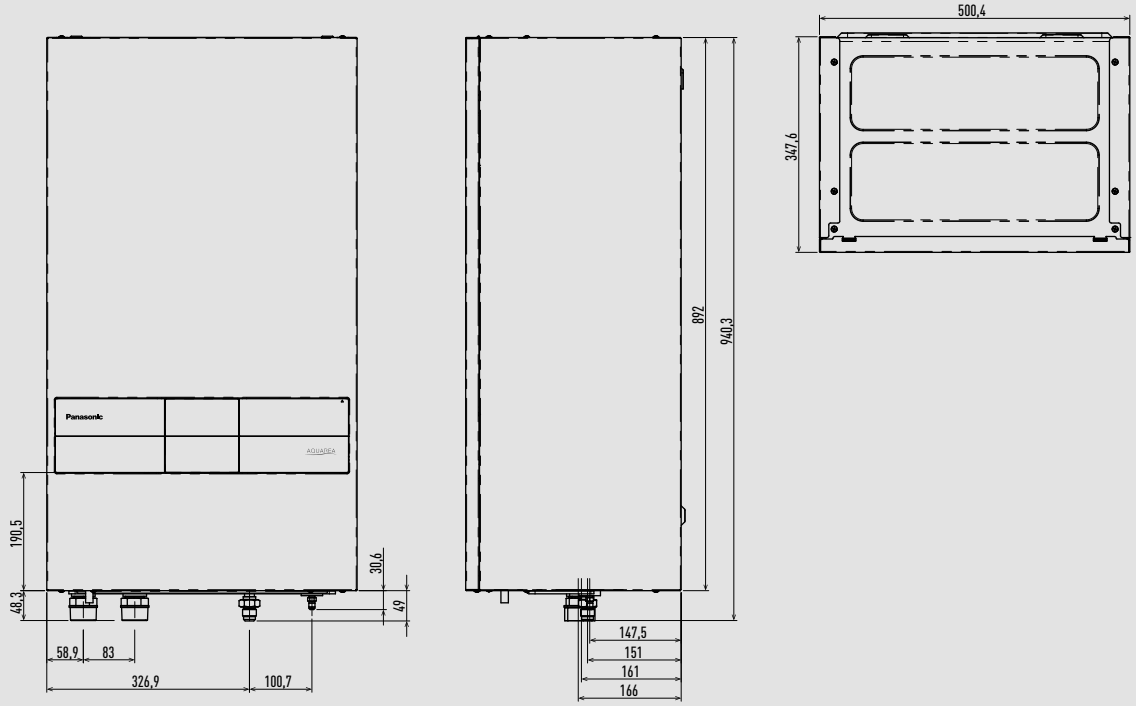
Unit: mm

Aquarea Bi-bloc H Series.



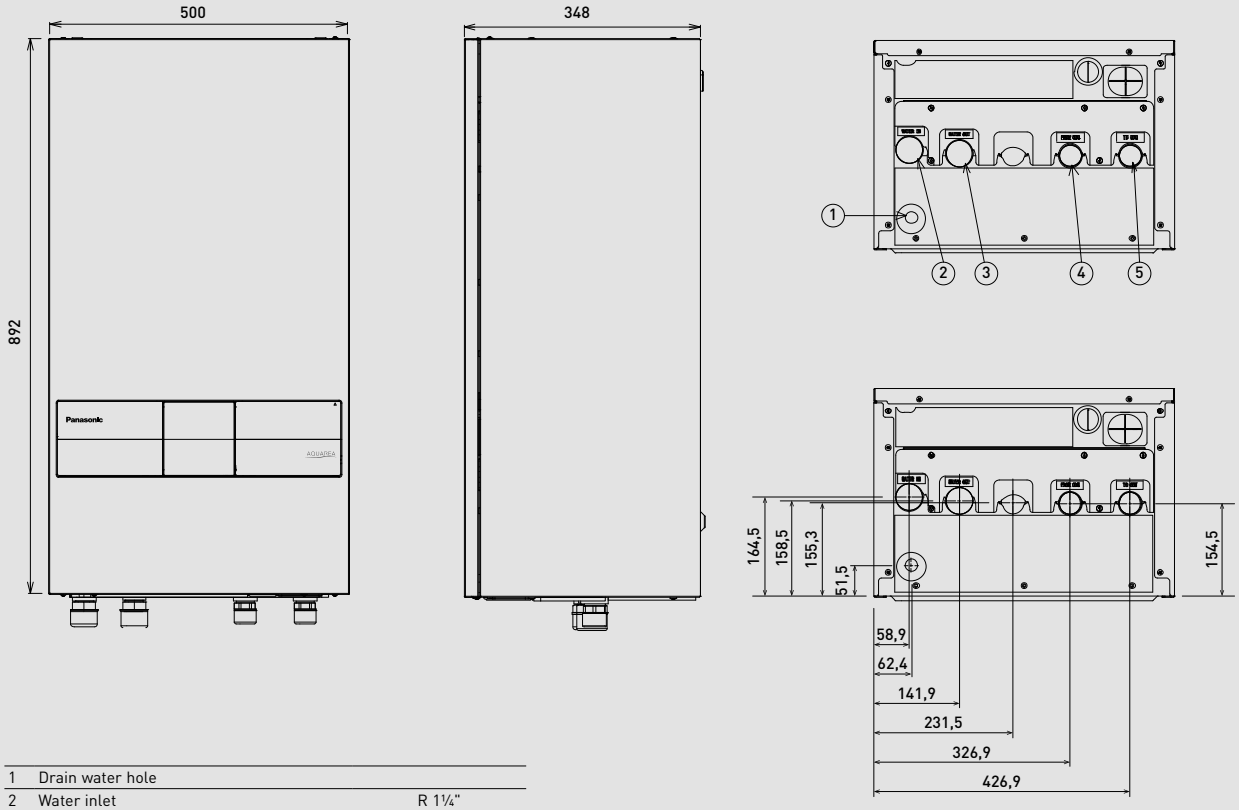
Unit: mm

Aquarea Bi-bloc K Series.



Unit: mm

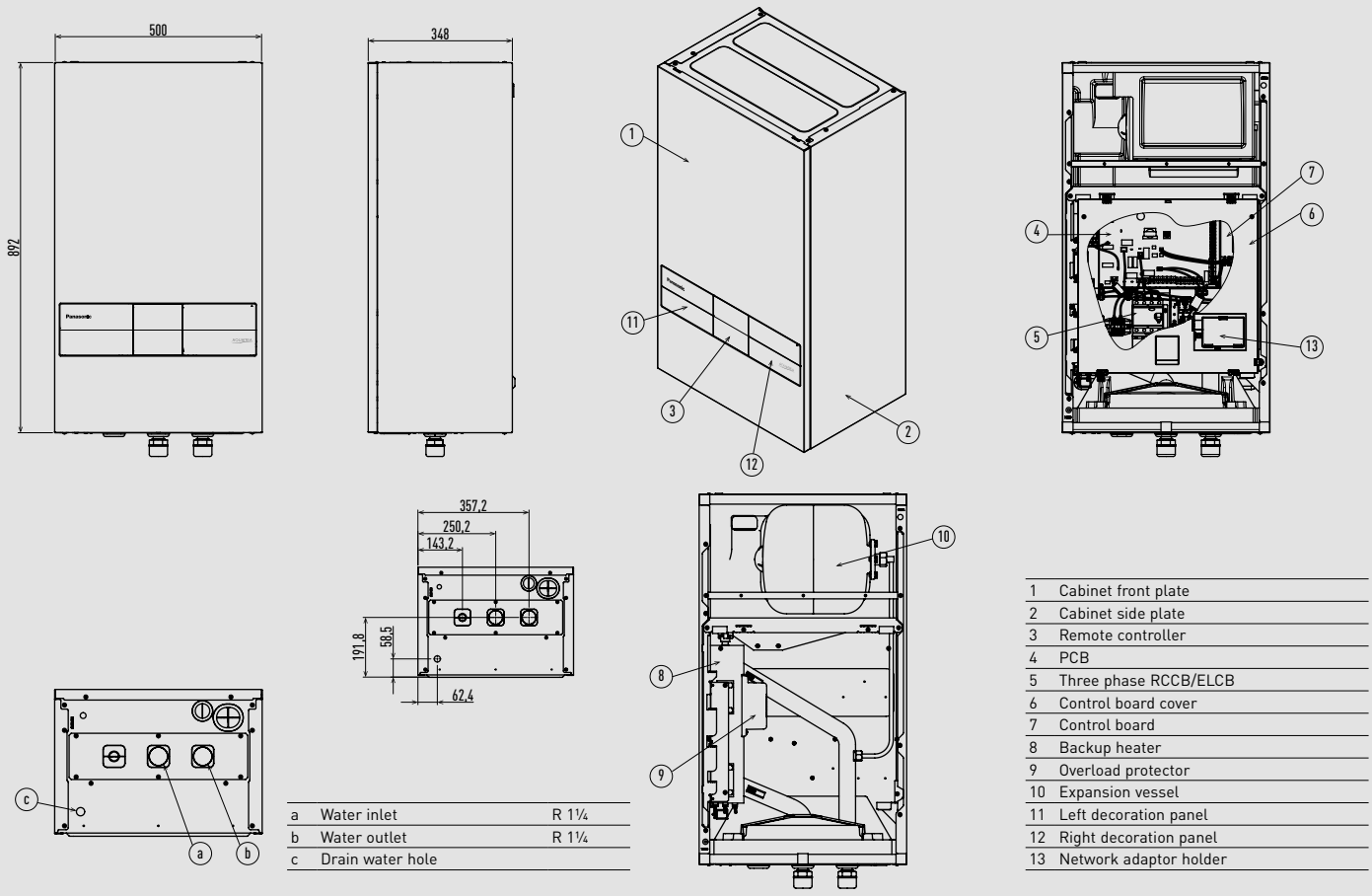
Aquarea Hydraulic Bi-bloc L Series.



1	Drain water hole	
2	Water inlet	R 1¼"
3	Water outlet	R 1¼"
4	Water inlet (from outdoor unit)	R1"
5	Water outlet (to outdoor unit)	R1"

Unit: mm

Aquarea Hydraulic Bi-bloc M Series.

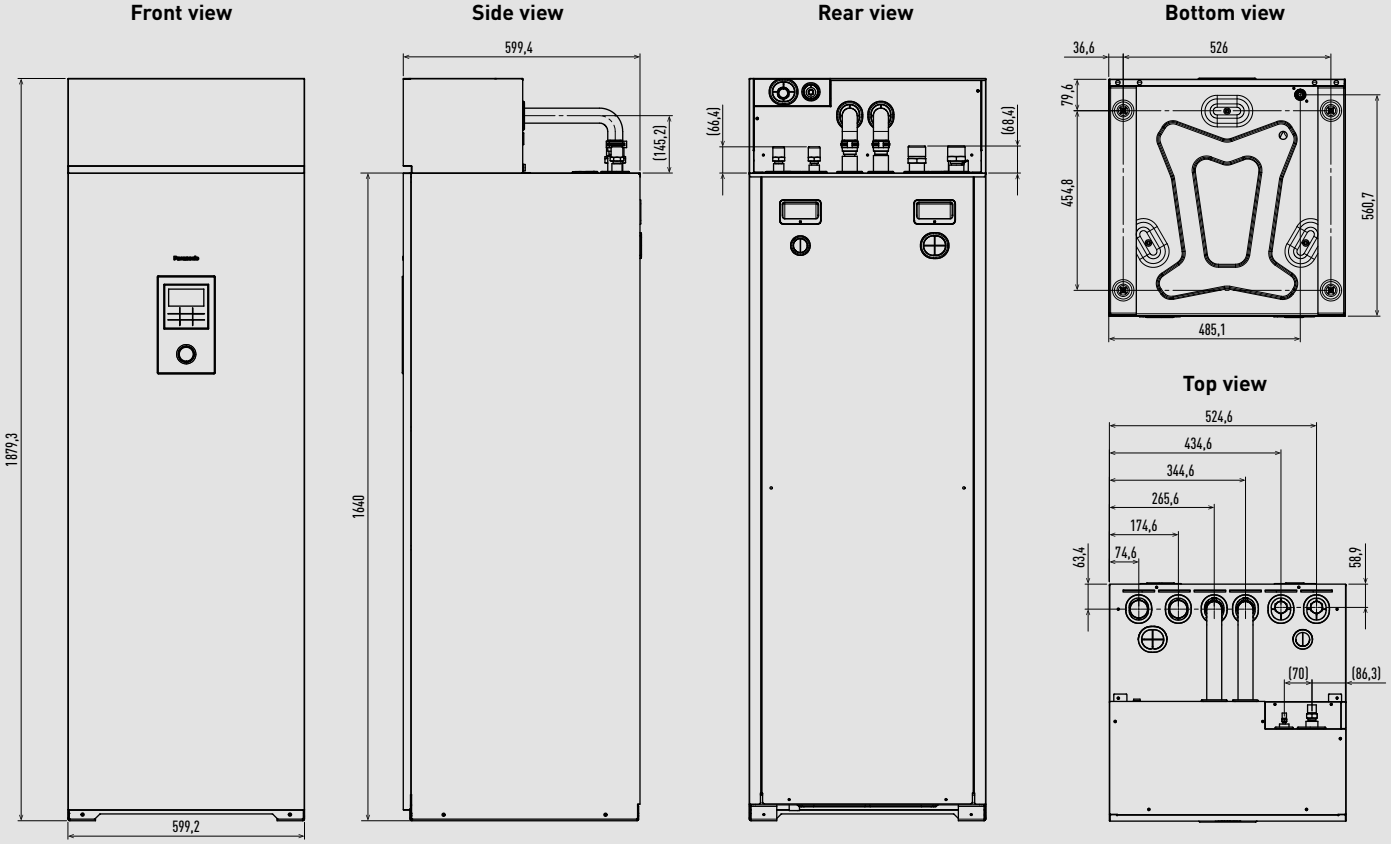


a	Water inlet	R 1¼
b	Water outlet	R 1¼
c	Drain water hole	

1	Cabinet front plate
2	Cabinet side plate
3	Remote controller
4	PCB
5	Three phase RCCB/ELCB
6	Control board cover
7	Control board
8	Backup heater
9	Overload protector
10	Expansion vessel
11	Left decoration panel
12	Right decoration panel
13	Network adaptor holder

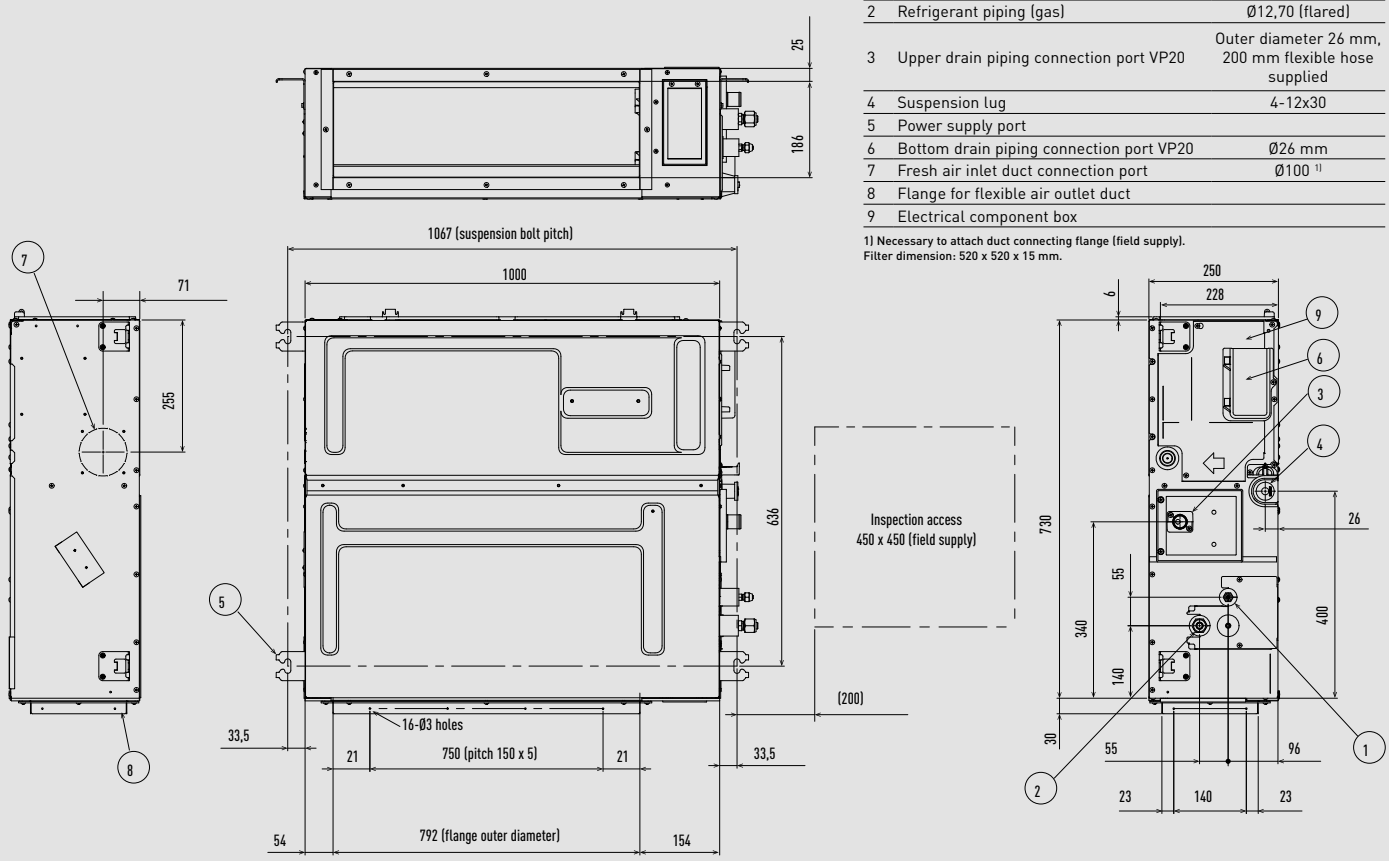
Unit: mm

Aquarea EcoFleX tank unit.



Unit: mm

Aquarea EcoFleX ducted unit.

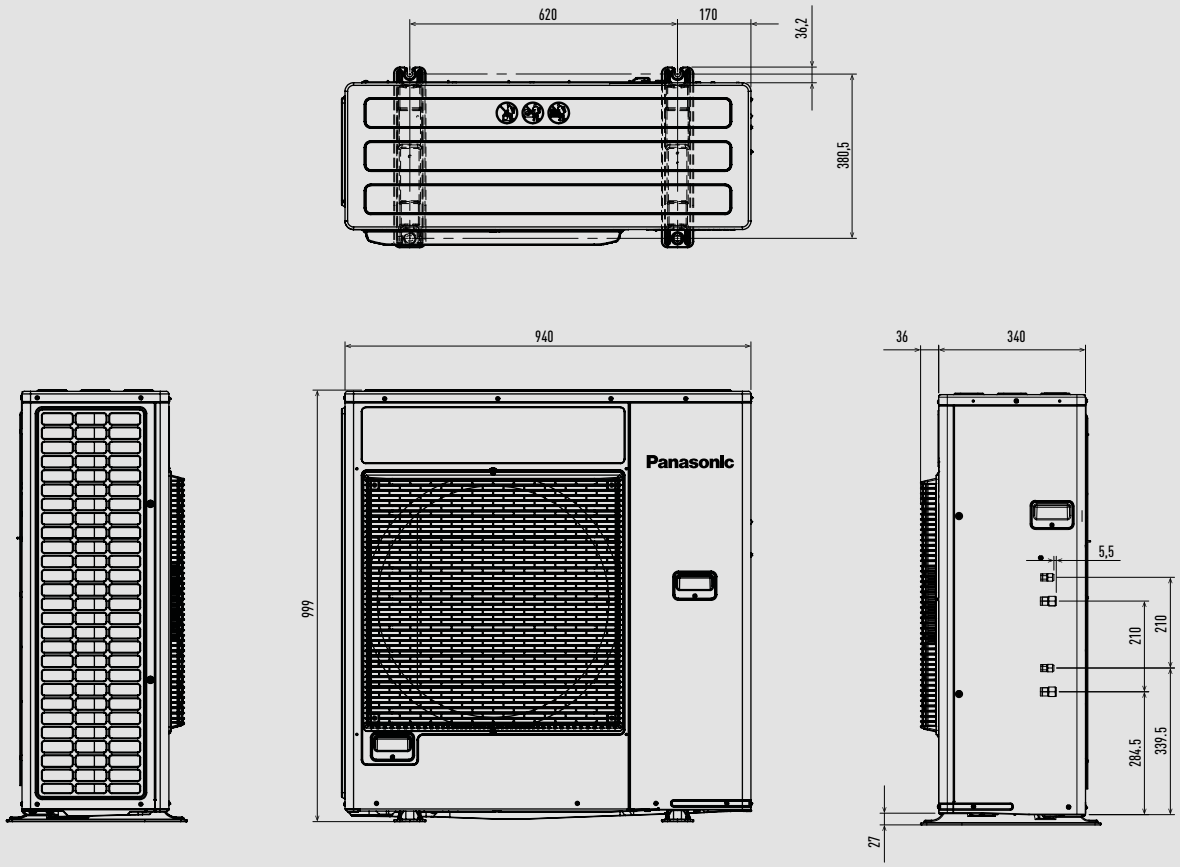


1	Refrigerant piping (liquid)	Ø6,35 (flared)
2	Refrigerant piping (gas)	Ø12,70 (flared)
3	Upper drain piping connection port VP20	Outer diameter 26 mm, 200 mm flexible hose supplied
4	Suspension lug	4-12x30
5	Power supply port	
6	Bottom drain piping connection port VP20	Ø26 mm
7	Fresh air inlet duct connection port	Ø100 [1]
8	Flange for flexible air outlet duct	
9	Electrical component box	

1) Necessary to attach duct connecting flange (field supply).
Filter dimension: 520 x 520 x 15 mm.

Unit: mm

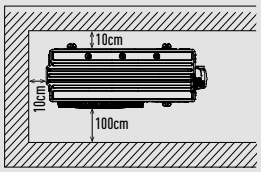
Aquarea EcoFleX outdoor unit.



Unit: mm

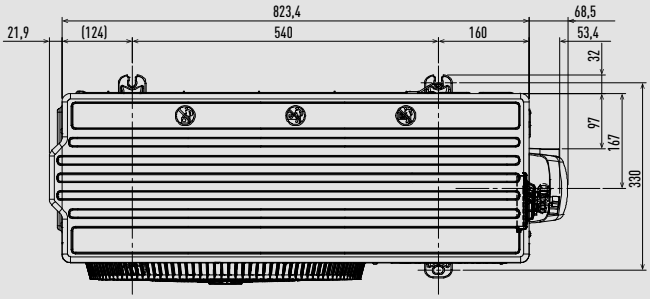
Aquarea High Performance outdoor unit 3 kW K Series.

Space necessary for installation

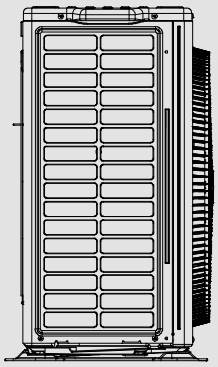


Anchor bolt pitch 355 x 260

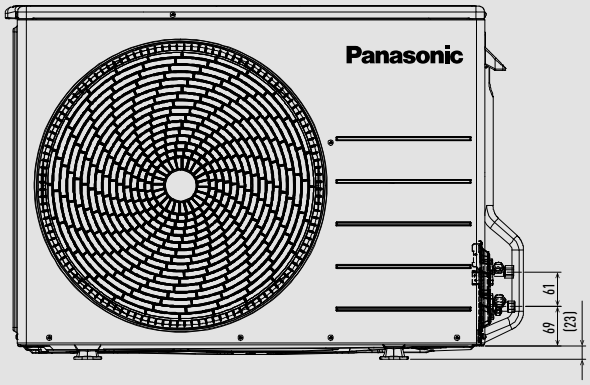
Top view



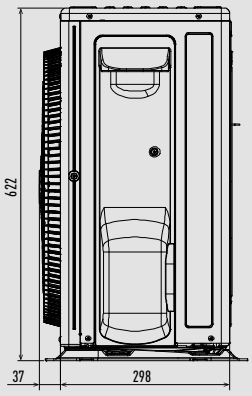
Side view



Front view

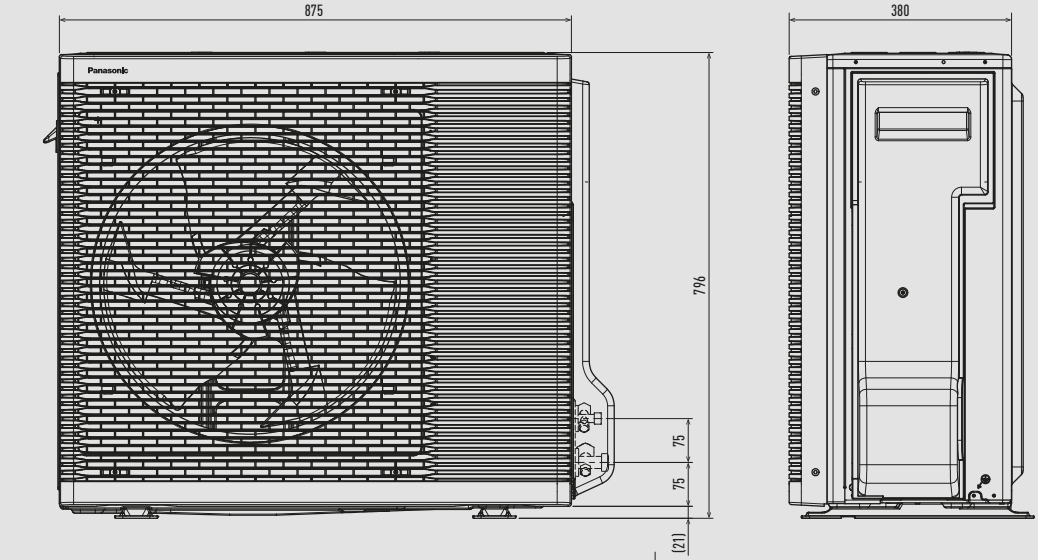


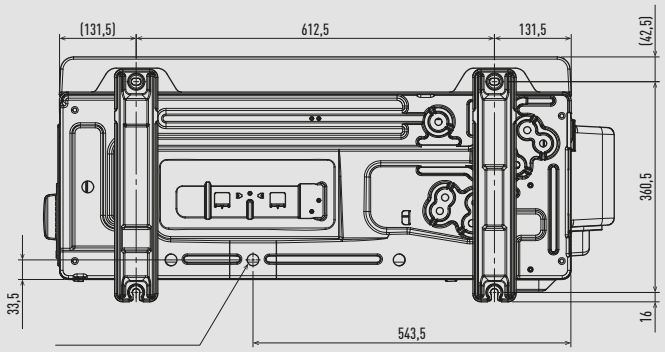
Side view



Unit: mm

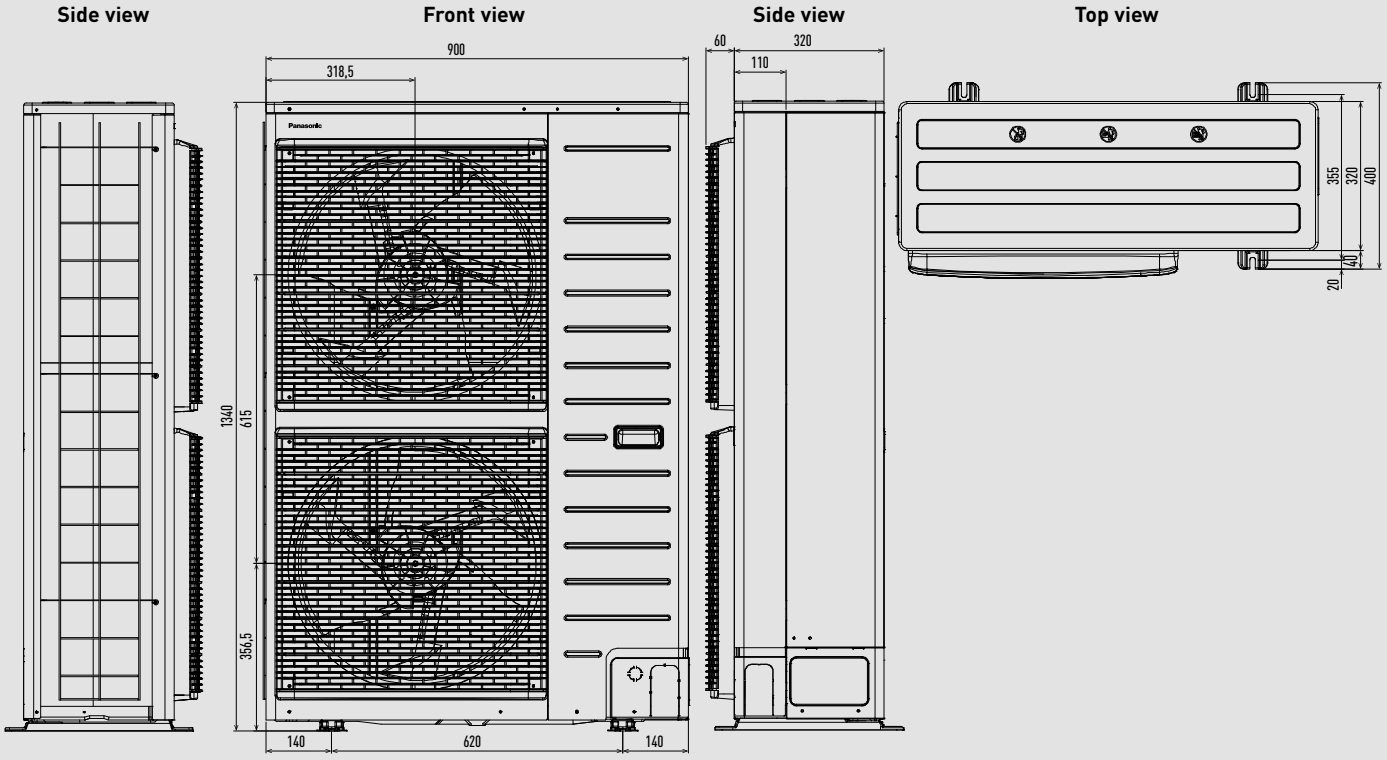
Aquarea High Performance outdoor units from 5 to 9 kW K Series.





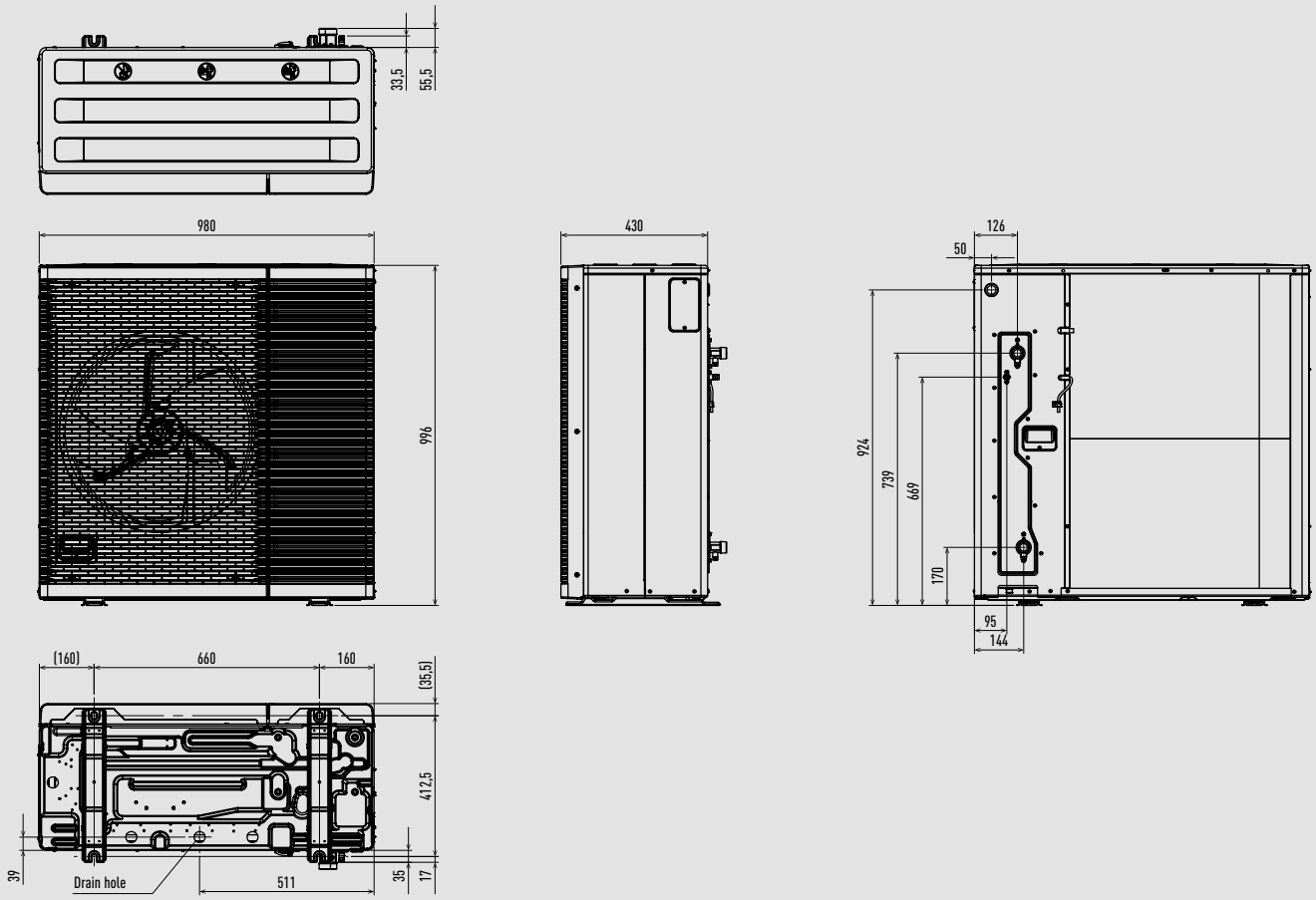
Unit: mm

Aquarea High Performance outdoor units from 12 to 16 kW single phase and 9 to 16 kW three phase K Series.
Aquarea T-CAP outdoor units K Series.



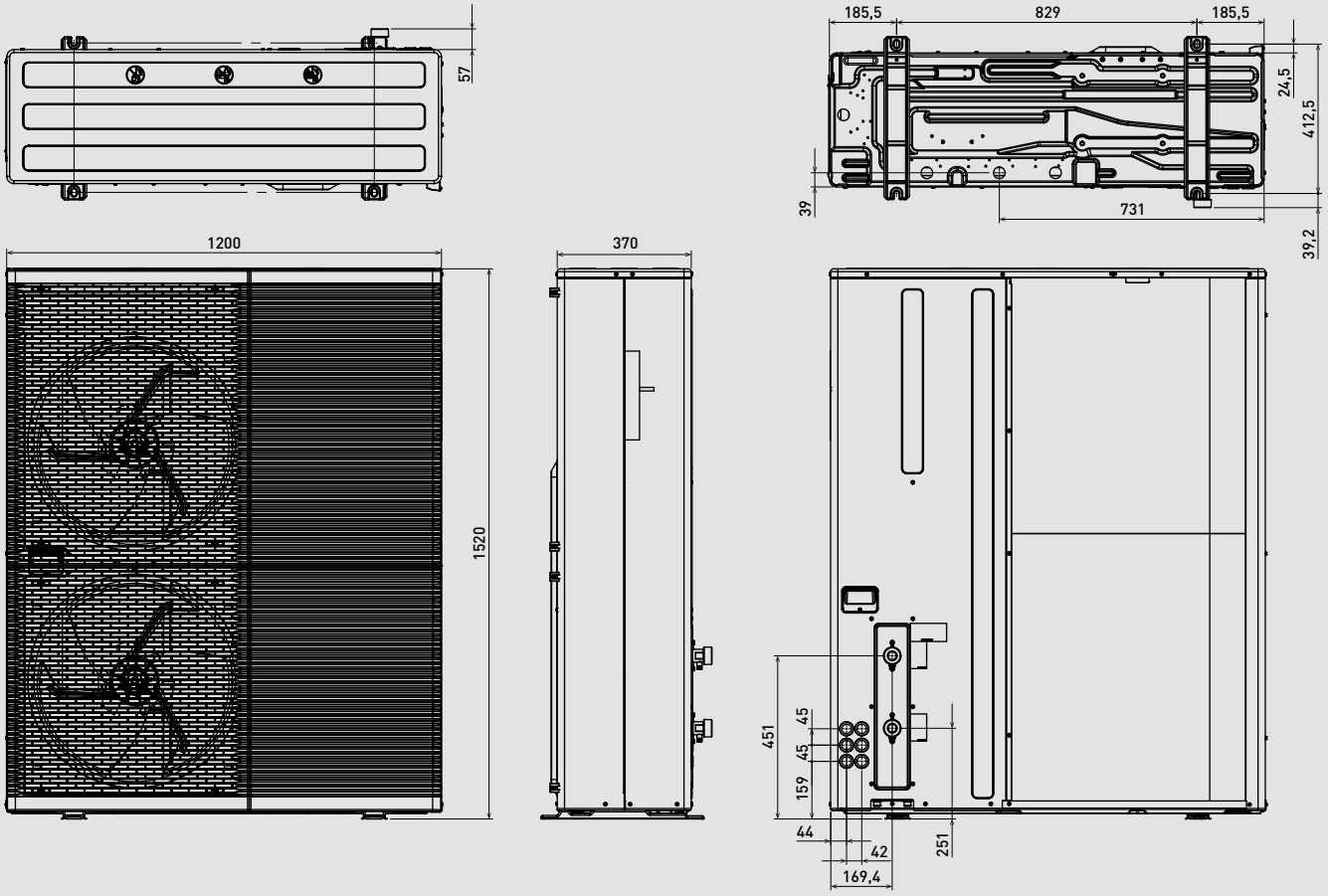
Unit: mm

Aquarea High Performance Hydraulic outdoor units from 5 to 9 kW L Series.



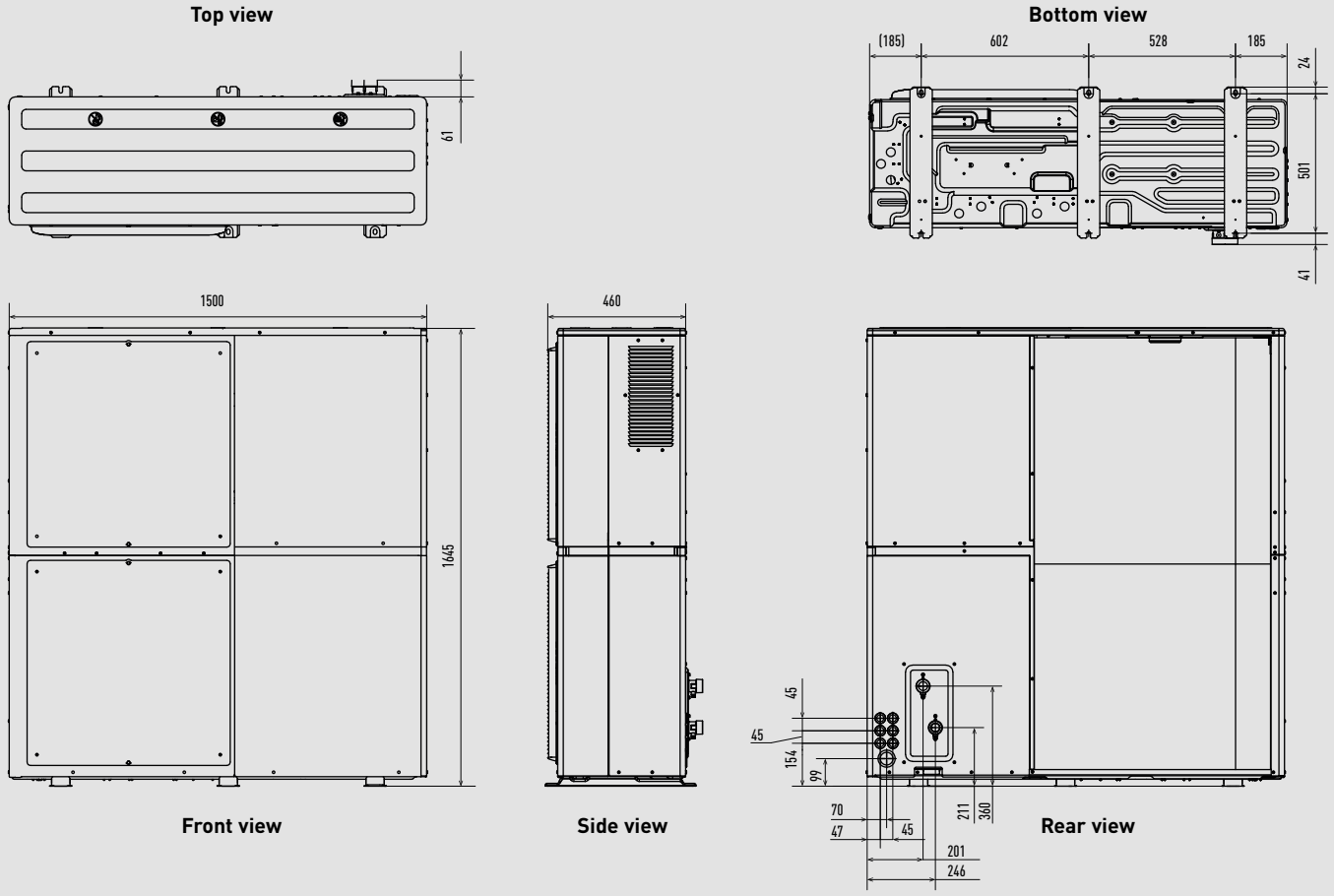
Unit: mm

Aquarea T-CAP Hydraulic M Series outdoor units from 9 to 16 kW.



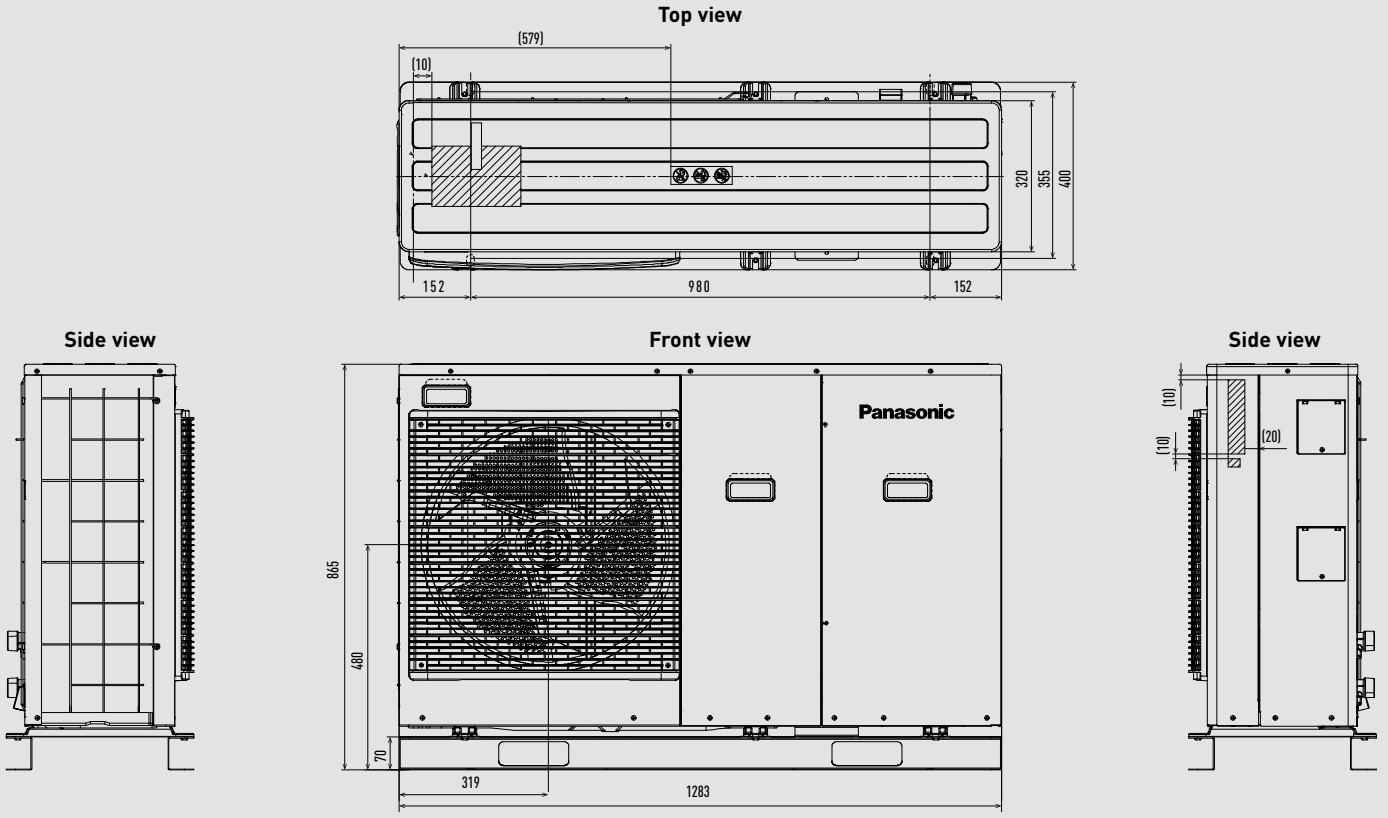
Unit: mm

Aquarea T-CAP outdoor units from 20 to 30 kW M Series.



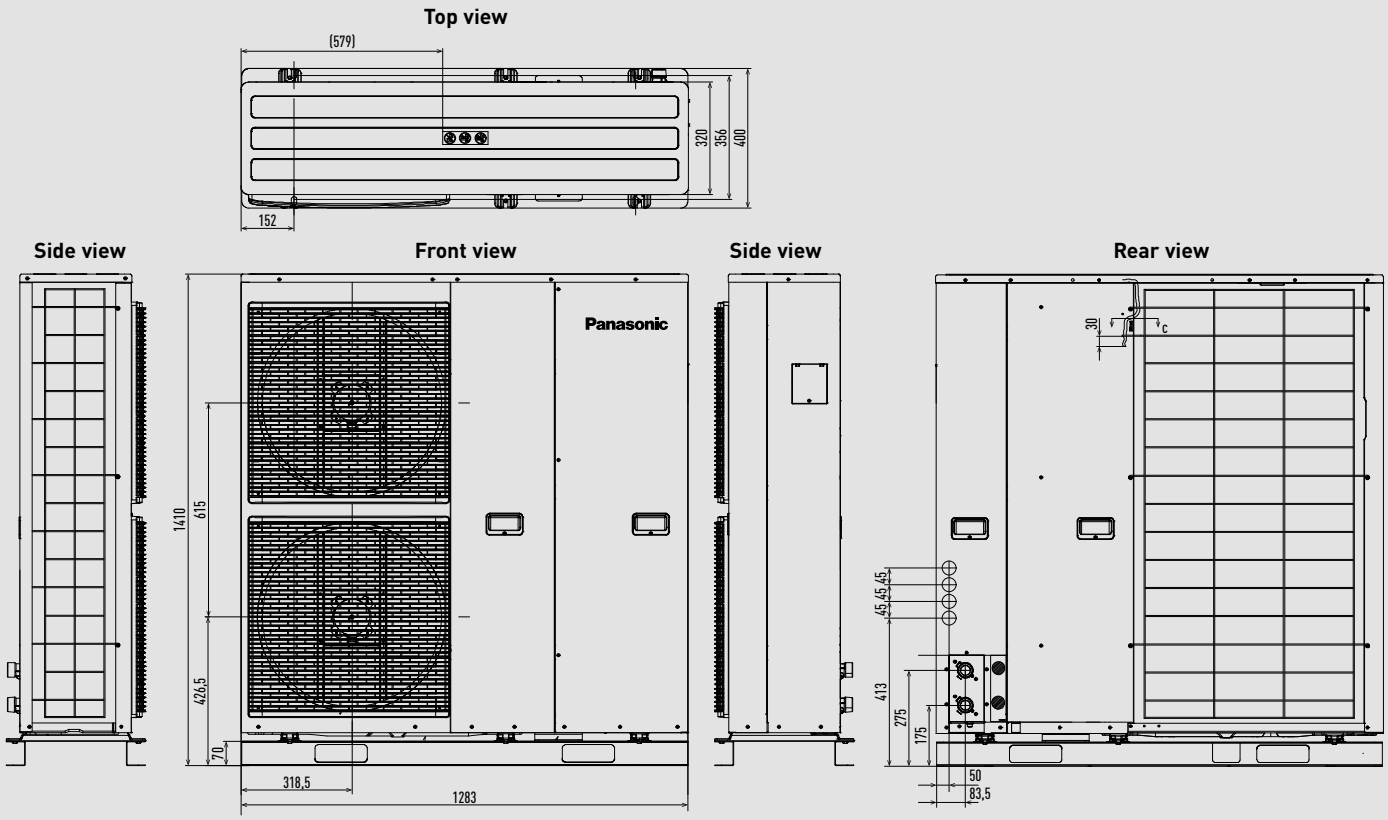
Unit: mm

Aquarea High Performance Mono-bloc outdoor units from 5 to 9 kW.



Unit: mm

Aquarea T-CAP Mono-bloc outdoor units.
Aquarea T-CAP Super Quiet outdoor units.



Unit: mm

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**.

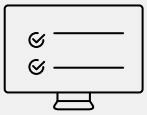
Maintenance.
To meet the requirements of the standard warranty, the product must be maintained and serviced annually by a suitably trained and qualified engineer. This way we can extend the lifetime of the product.

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 in Europe for end customers:

Country	B2C support center	Opening times
Spain	900 82 87 87	Mo-Fr 9-17h
Portugal	800 78 22 20	Mo-Fr 9-17h
France	0800 805 215	Mo-Fr 9-17h
Italy	+39 2 6433235	Mo-Fr 9-17h
United Kingdom	0808 208 2115	Mo-Fr 9-17h
Ireland	1800 939 977	Mo-Fr 9-17h
Poland	800 080 911	Mo-Fr 9-17h
Denmark	+45 89 87 45 00	Mo-Fr 9-17h
Sweden	+46 85 221 81 00	Mo-Fr 9-17h
Finnland	+35 8646041590	Mo-Fr 9-17h

Country	B2C support center	Opening times
Norway	+47 69 67 61 00	Mo-Fr 9-17h
Germany	+49 611 71187211	Mo-Sat 7-18h
Hungary	+36 1 700 89 65	Mo-Fr 9-17h
Switzerland DE	+41 415615366	Mo-Fr 9-17h
Switzerland FR	+41 435880049	Mo-Fr 9-17h
Switzerland IT	+41 435880048	Mo-Fr 9-17h
The Netherlands	+31 73 6402 538	Mo-Sat 7-18h
Belgium NL	+32 2 320 55 38	Mo-Fr 9-17h
Belgium FR	+32 2 320 55 38	Mo-Fr 9-17h
Luxemburg	+32 2 320 55 38	Mo-Fr 9-17h

WWW.AIRCON.PANASONIC.EU

Panasonic

heating & cooling solutions

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www.aircon.panasonic.co.uk

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

Panasonic®

To find out how Panasonic cares for you, log on to: www.aircon.panasonic.eu

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