Panasonic

AQUAREA

AQUAREA RANGE
2026 / 2027

TOTAL HVAC&R SOLUTION

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 outdoor temperatures.

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

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

DOMESTIC

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

New Etherea with nanoe™ X technology.

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

COMMERCIAL AIR TO AIR – PACi NX

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

New multi zone duct.

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

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.

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

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

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.

Commercial Smart Edge.

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

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

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 EVO R290.

Unmatched innovation.

ECOi-W AQUA-G EVO with Inverter technology and natural refrigerant R290. Combine efficiency and comfort in one compact package.

FAN COIL UNITS

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

Flex Air Smart fan coil – Wall-mounted.

The Flex Air Smart fan coil – Wall-mounted with modern, stylish design comes with 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.

ECOi-RT.

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

Moving to more sustainable refrigeration solutions – iCO2RE and iCOOL ranges, offering a complete line of cooling solutions using CO_2, A2L, and HFC/HFO refrigerants.

iCO2RE range - CO_2 at the core of innovative refrigeration.

Panasonic's iCO2RE range is a new generation of CO_2 condensing units, built on sustainability, energy efficiency, and flexibility. Using CO_2 – a natural refrigerant – iCO2RE supports today's environmental goals while delivering reliable, high-performance cooling.

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

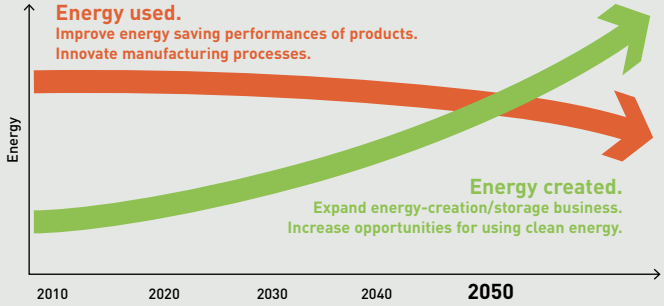
Energy used by Panasonic business activities and products.

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 Series (50 – 880 kW*).

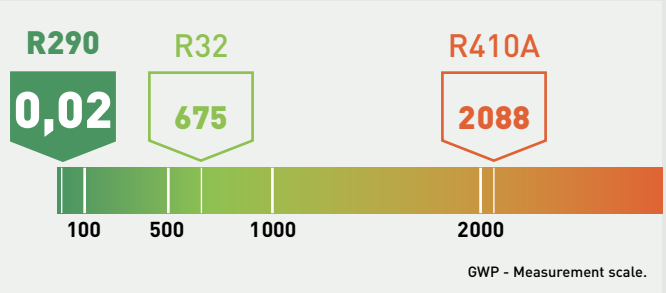
The R290 refrigerant technology has been integrated across a wide range of heating and cooling solutions, meeting both residential and commercial needs. These solutions are available in capacities from 5 to 880 kW*.

*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).

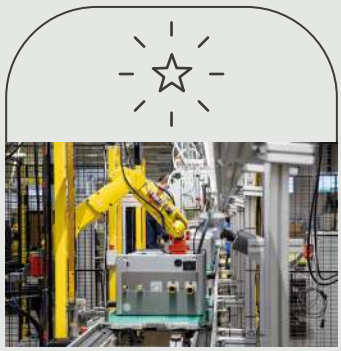


Industry leading Panasonic technology with natural refrigerant R290.

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.

Complete HVAC&R solutions powered by natural refrigerants

Delivering sustainable, high efficiency heating and cooling for future-ready grocery stores.

R744 R290

iCO2RE CO_2 Series.

iCO2RE

Reliable, flexible refrigeration for low and medium temperatures – showcases and cold rooms.

Food safety, better air quality by nanoe™ X. Supports Food Safety (HACCP Certified) and inhibits mould, bacteria and viruses. No maintenance required.

HACCP INTERNATIONAL FOOD SAFETY PROGRAMMEN CERTIFICATION

nanoeX

1

iCO2RE CO_2 OCU-CR Series LT.

2

iCO2RE CO_2 OCU-CRC Series MT/LT.

7 AQUAREA Service Cloud

Aquarea M Series.

AQUAREA

· Up to A+++ energy rated – comfort heating and cooling to 300 kW
· Maximum 75 °C water outlet temperature

3

Big Aquarea T-CAP M Series.

4

M Series control module.

5

High-efficiency DHW tank.

6

Ducted fan coil with nanoe™ X built-in.

7

Aquarea Service Cloud – remote monitoring and maintenance.

Your partner for service and maintenance operations

Reliable operation is essential for ensuring comfort, energy efficiency, and long-term system durability. Our comprehensive service and maintenance solutions are designed to support you throughout the entire lifecycle of your installation.

RELIABLE COMMISSIONING

PROFESSIONAL MAINTENANCE

EFFICIENT REPAIR

FULL CUSTOMER SUPPORT

GUARANTEED WARRANTY

Our European service network delivers fast, expert support on-site or remotely through certified technicians and IoT monitoring. With a minimum of 10 years of original spare-parts availability and advanced tools, long-term performance is ensured.

The benefits of a regular maintenance.

Preventive maintenance.
Keep the unit healthy.

Predictive maintenance.
Prevent failures early.

Corrective maintenance.
Act fast when issues occur.

1. Maximize energy efficiency and reduce energy bills.
2. Reduced operating costs by minimizing unexpected failures.
3. Extend equipment life with timely inspections.
4. Improved reliability and comfort even during peak seasons.

Comprehensive maintenance solution for end users and professionals.

AQUAREA Service+

Maintenance package to support your business.
With Aquarea Service+ packages*, you get remote monitoring and expert maintenance for reliable, uninterrupted heat pump operation.

*Availability varies according to the countries.

AQUAREA Service Cloud

P-SMART EDGE

Service and maintenance tools for professionals.
Save time and reduce project costs with Panasonic's remote control and maintenance tools, for system setup, monitoring, diagnostics and failure alerts.

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, climate-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.

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.

Panasonic air to water heat pumps factory.
Pilsen, Czech Republic.
VRF, Rooftop and Chillers.

This project combines high-efficient ECOi EX, ECOi-RT, ECOi-W, Air Handling Unit connections, and fan coils delivering capacity up to 4800 kW to heat and cool production, testing, and administrative areas with maximum reliability and flexibility across the facility.

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.

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

Pervalkos Jūra.
Residential.
Pervalka, Lithuania.
Aquarea.

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

Varna Wave Building.
Residential building.
Varna, Bulgaria.
Aquarea and Panasonic Comfort Cloud App.

Gutenfels.
Hotel.
Kaub, Germany.
Aquarea and Panasonic Comfort Cloud App.

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

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

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

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

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

AirHop.
Indoor adventure and trampoline park.
Gloucester. United Kingdom.
PACi and Jet Air Stream.

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

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

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

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

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

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

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.

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 low GWP chiller solutions to suit a variety of commercial and industrial applications.

2023
Aquarea Heat Pumps with natural refrigerant R290.
—
The first European 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.
—
The first commercial refrigeration factory in Wrocław, Poland.

2026
Introduction of iCO2RE and iCOOL commercial refrigeration ranges in Europe.

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 HOMES

SINGLE HOMES

LIGHT COMMERCIAL

DIRECT EXPANSION

2 kW - 7,1 kW

ETHEREA & More. Domestic air to air heat pumps.

Peripherals: Wi-Fi control and connectivity.

2,5 kW - 25 kW

PACi NX. Light commercial air to air heat pumps.

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

VENTILATION

90 m³/h - 455 m³/h

Residential ventilation.

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

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

ECOi-W. Commercial chiller and heat pump.

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

20 kW - 1550 kW

TECNAIR*.
Close Control.

10 kW - 500 kW

COMMERCIAL / INDUSTRIAL

DATA CENTRE

REFRIGERATION

63 kW - 197 kW

ECOi-RT.
Commercial Rooftop.

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

iCO2RE / iCOOL.
Commercial refrigeration.

4 HP - 80 HP

ECOi.
Commercial VRF.

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

150 m³/h - 40000 m³/h

Commercial ventilation.

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

*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™** and **nanoe™ X** devices exceed 100 million units*

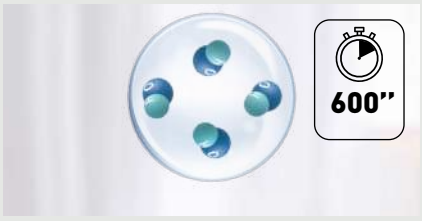
*From July 2024, the results apply to all other products with nanoe™ and nanoe™ X devices, including heating and cooling.

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.

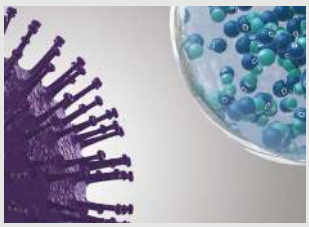


Hydroxyl radicals contained in water.

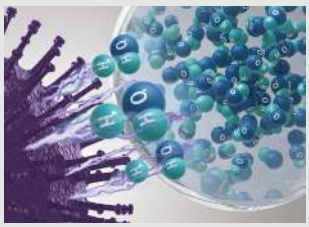
By creating hydroxyl radicals contained in water, nanoe™ X technology significantly boosts their effectiveness, increasing hydroxyl radicals lifetime from less than a second in nature, to more than 600 seconds – 10 minutes so that nanoe™ X can spread easily around the room.

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.

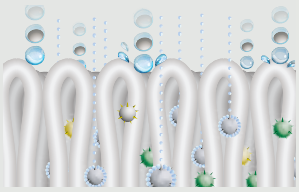
3 | Pollutants activity is inhibited.

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.

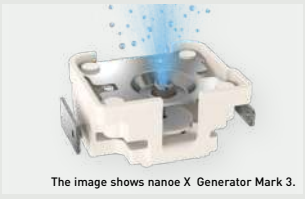
Longer lifespan.

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

Meets the requirements of VDI 6022 and HACCP

Certified under VDI 6022, meeting one of the strictest hygiene requirements on the market for HVAC systems, and aligned with HACCP-based food-safety practices.

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.

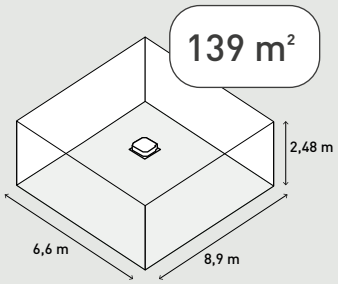
HACCP Food Safety Certified [3] – Europe's first HVAC manufacturer.

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

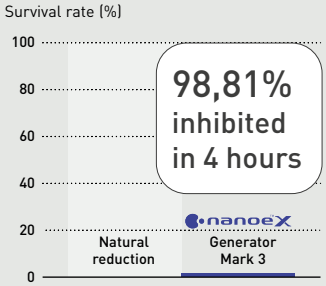
Effectiveness in large space with Generator Mark 3

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.

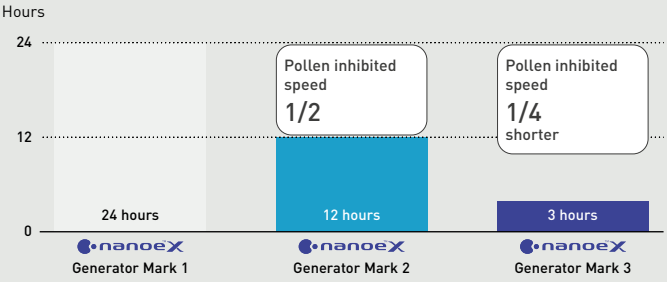


Test result (bacteriophage).



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.

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.

RAC Solo.
P-M0***6IC5A-E.
4 capacities: 1,7 - 3,0 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.

Commercial.

PACi NX. Built-in nanoe X Generator Mark 3.

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

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

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

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.

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

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

Flex Air Smart fan coils. Built-in nanoe X Generator Mark 3.

Fan coil wall-mounted – FK1.
S-**FK1E.
6 capacities: 1,9 - 5,2 kW.

Fan coil medium static duct – FF1.
S-**FF1E.
7 capacities: 2,3 - 9,3 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.

P2 type floor-standing.
S-**MP2E5.
6 capacities: 2,2 - 7,3 kW.

R2 type concealed floor-standing.
S-**MR2E5.
6 capacities: 2,2 - 7,3 kW.

VRF. Built-in nanoe X Generator Mark 1.

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

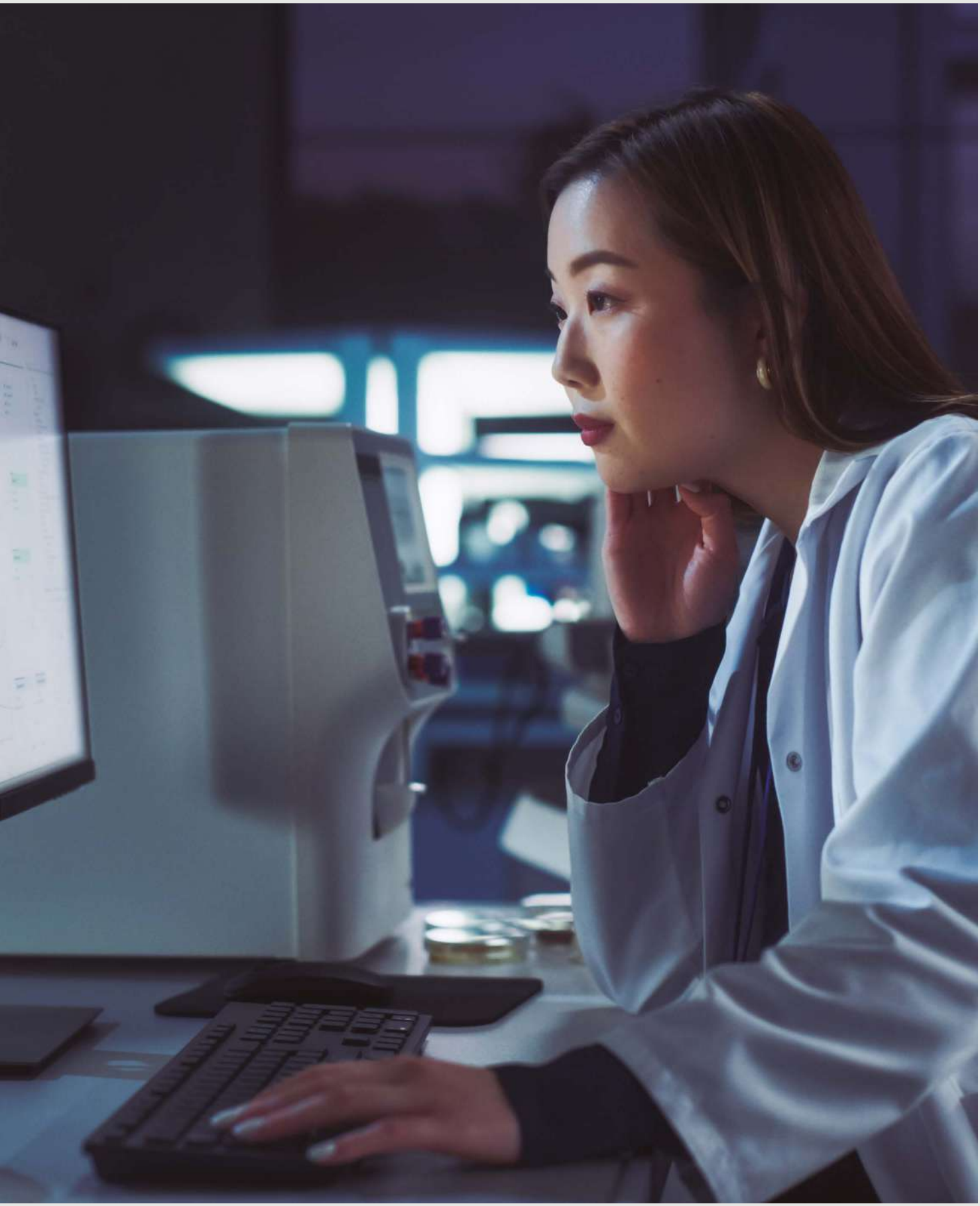
Ventilation. Built-in nanoe X Generator Mark 1.

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 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. 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 climate-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 50 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

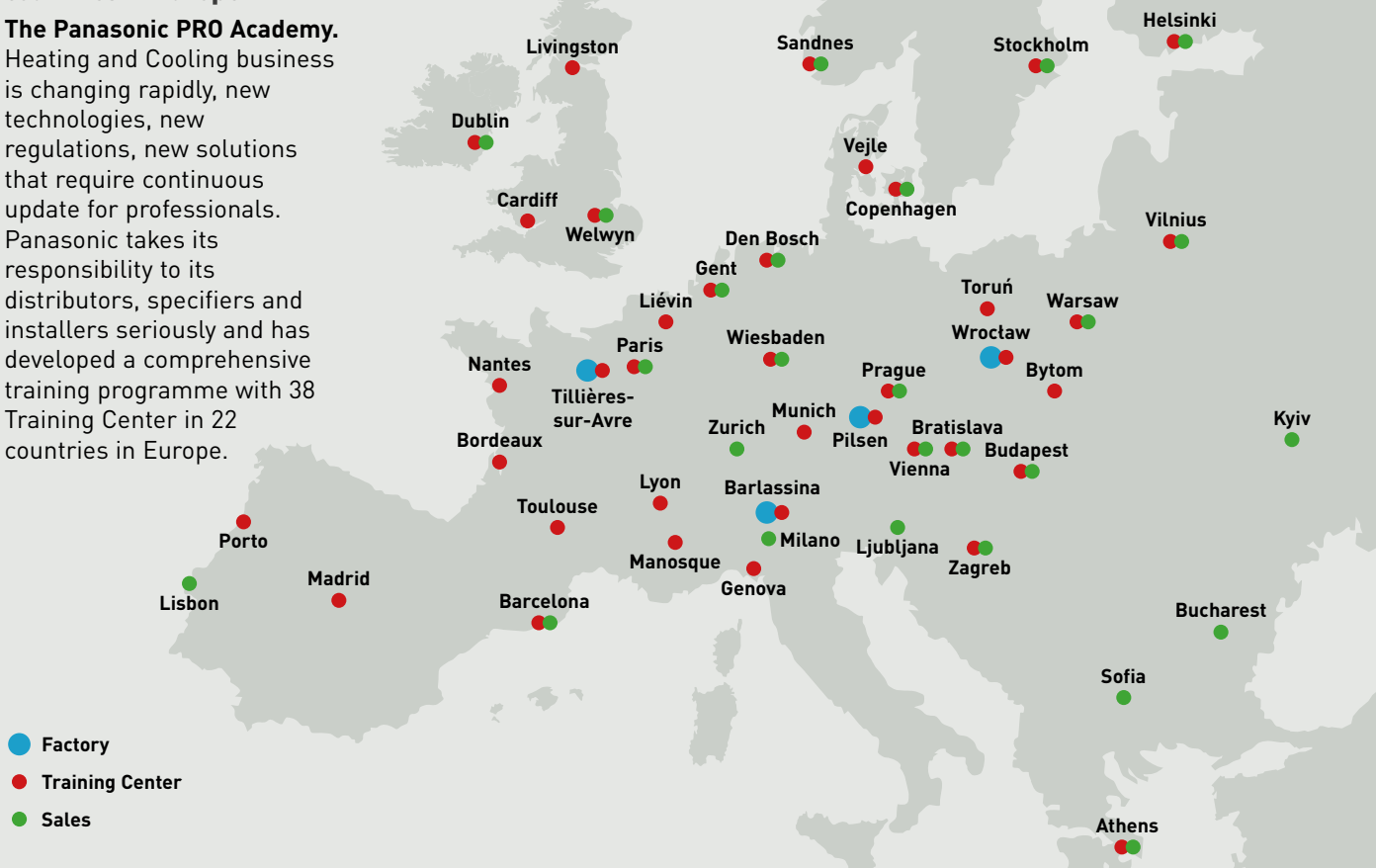
Italy

France

Poland

38 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 38 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, wherever 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.

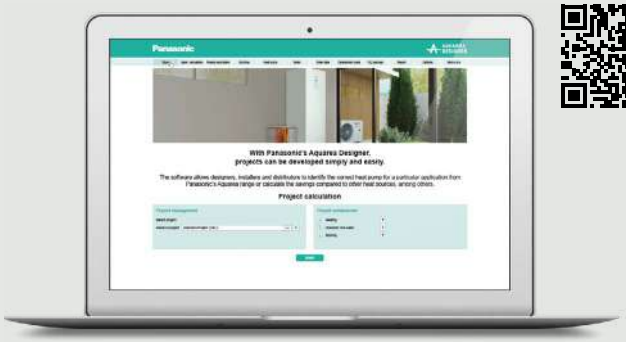
Visit www.panasonicproclub.com or connect simply with your smartphone to the PRO Club using this QR.

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.

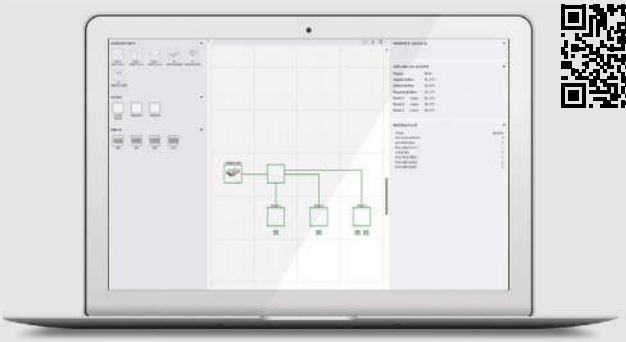
Aquarea design tools

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



Vent PRO

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



Panasonic DX PRO Designer

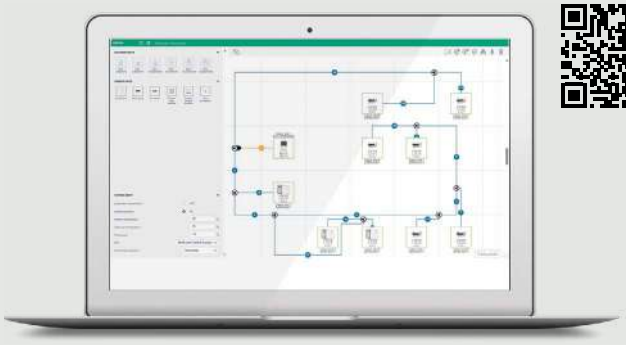
The Panasonic DX PRO Designer will be rebuilt with an improved user experience. The software runs in the cloud and is always up to date with the latest products. An intuitive interface supports the most complicated designs, allows online sharing and project collaboration with multilingual support.

AC SELECT

Use AC SELECT to choose and configure your hydronic solution.
Panasonic online selection tool offers an easy and quick solution to specify all the hydronic, fan coil unit and rooftop ranges at required conditions.

REF PRO DESIGNER

Think beyond unit selection.
This advanced design tool supports engineers, installers, and technicians to design advanced systems 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.

Panasonic

AQUAREA

Aquarea Heat Pumps: efficient comfort for every project

From 3 kW to 30 kW, Panasonic's Aquarea air to water heat pumps range is one of the widest on the market, designed for both new builds and refurbishments. With multiple All in One units, cascade controllers, and indoor comfort solutions, Aquarea delivers energy savings and comfort for every project, from single homes to centralised systems.

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Flex Air Smart fan coil

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Highlighted features

From 3 kW to 30 kW, Panasonic Aquarea Heat Pumps offer one of the widest ranges on the market, suitable for both new builds and refurbishment projects. Developed for high system efficiency, installation flexibility and long-term operational reliability.

Developed and manufactured by Panasonic, the Aquarea range combines advanced heat pump technology with over 65 years of HVAC engineering expertise.

Aquarea Heat Pumps integrate exclusive Panasonic technologies such as T-CAP for reliable capacity at low outdoor temperatures, U-Vacua™ insulation to minimise heat loss, and in-house developed Panasonic compressors engineered for efficiency, durability and quiet operation.

Reliable performance at extremely low outdoor temperatures.

Panasonic Aquarea is engineered for stable operation at outdoor temperatures as low as -25 °C, ensuring consistent system performance while reducing energy consumption and CO_2 emissions.

UP TO 80% ENERGY SAVING COMPARED TO BOILERS

RELIABLE COMFORT IN EXTREME OUTDOOR CONDITIONS

CO_2 LOWER CO_2 EMISSIONS

Aquarea – a comprehensive heating solution by Panasonic.

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

Room solutions.
Fan coils, water loop heat pumps.

Ventilation and IAQ.
Residential ventilation solutions.

Control and connectivity.
Smart room control and energy management.

Domestic Hot Water.
High-efficiency DHW tanks.

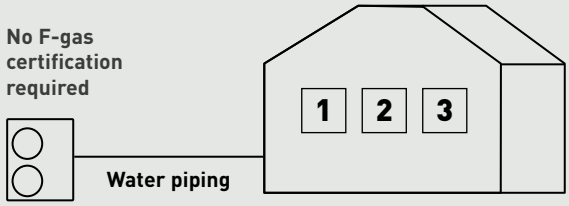
Service solutions.
Aquarea Service Cloud for remote service.

Maintenance solutions.
Aquarea Service+.

Discover the Aquarea Heat Pump range

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	✔	✔	✔	✔	✔			
	3 ph			✔	✔	✔			
Aquarea T-CAP	1 ph			✔	✔				
	3 ph			✔	✔	✔	✔	✔	✔

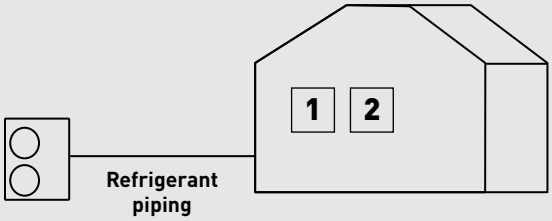
Aquarea DHW Heat Pumps

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.

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

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.

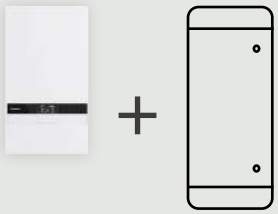


Indoor unit options

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.

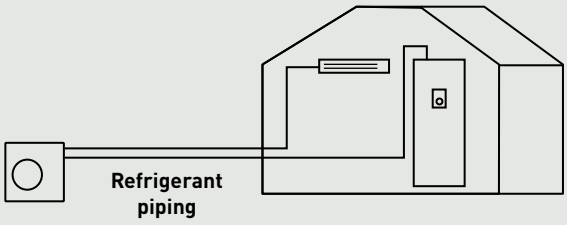
185 L - 260 L



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

Aquarea EcoFleX

Designed for new installations, the Aquarea EcoFleX heat pump combines air to air indoor units 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

Aquarea Air Smart fan coils.

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

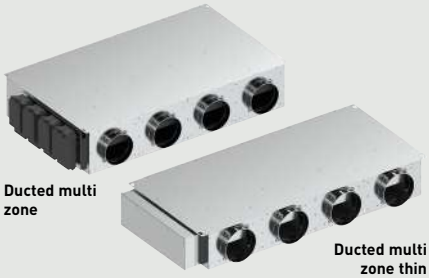
Aquarea Air Smart fan coil – Floor standing.
Even narrower and thinner fan coils.

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



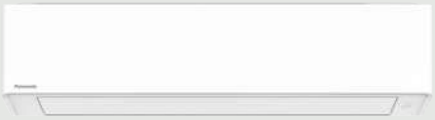
Ducted multi zone

Ducted multi zone thin

Flex Air / Flex Air Smart fan coils.

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

Flex Air Smart fan coil – Wall-mounted – FK1.
Stylish design. nanoe™ X (Generator Mark 3).



Flex Air Smart fan coil – Medium static pressure duct – FF1.
nanoe™ X (Generator Mark 3).

nanoe™X

Flex Air fan coil – Comfort.
Floor and ceiling units with high configuration flexibility.

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

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

Efficiently replaces existing radiators in centralised heating systems.

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.

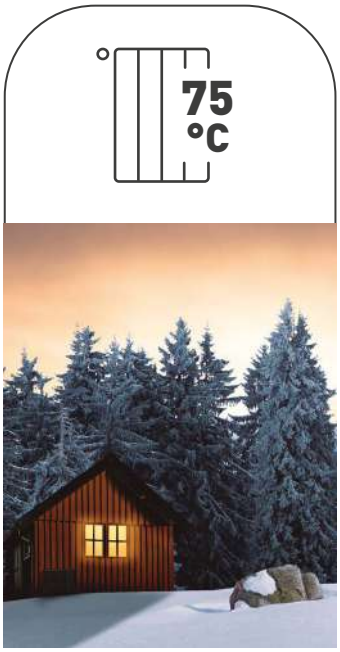
At the forefront of heating innovation: Panasonic Aquarea with natural refrigerant R290

Aquarea air to water heat pumps with R290 refrigerant offer an advanced, energy efficient solution for heating, cooling, and domestic hot water 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 hydronic installation.

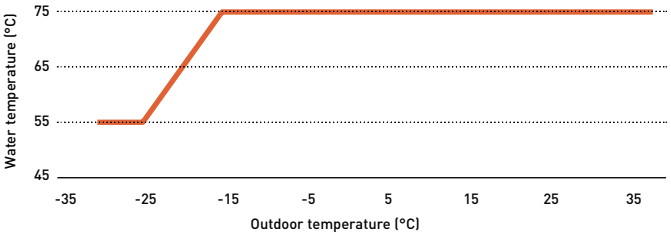
Hydronic connection between indoor and outdoor.

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.

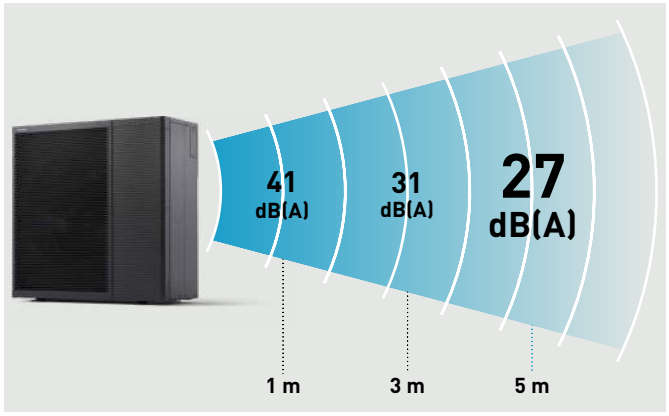


*For M Series T-CAP 9, 12 and 16 kW models. M Series High Performance operates down to -25 °C with 75 °C water outlet down to -15 °C ambient. L Series operates down to -25 °C with 75 °C water outlet down to -10 °C ambient.

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.

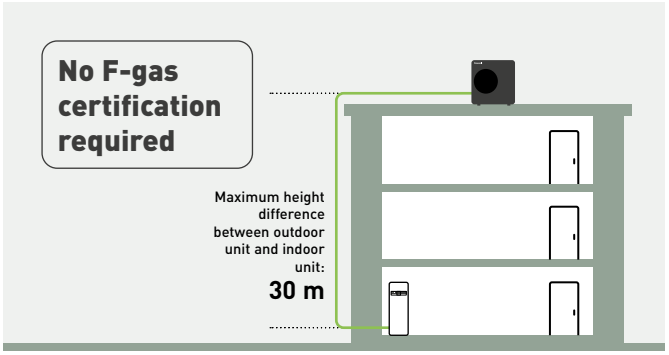


*Sound pressure calculation for WH-WDG05LE5, free standing, A +7 °C, W 35 °C in Quiet mode 3.

Flexible hydronic installation

The installation of the system is 100% hydronic, 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 High Performance M Series from 9 to 16 kW.
Aquarea T-CAP M Series from 9 to 30 kW.

Wi-Fi adapter included

*Check availability of units and combinations.

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

Combining flexible system design, quiet operation and up to 75 °C water flow, the Aquarea M Series offers a reliable, high-quality heat pump solution for new-build and retrofit applications.

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 HYDRONIC INSTALLATION

Hydronic connection between indoor and outdoor.

MADE AND DESIGNED BY PANASONIC

Reliable outdoor units with Panasonic compressor.

SMART CONTROL AND MAINTENANCE

Panasonic Comfort Cloud App and Aquarea Service Cloud included.

A+++ HIGH-EFFICIENCY

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

*Scale from A+++ to D.

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.

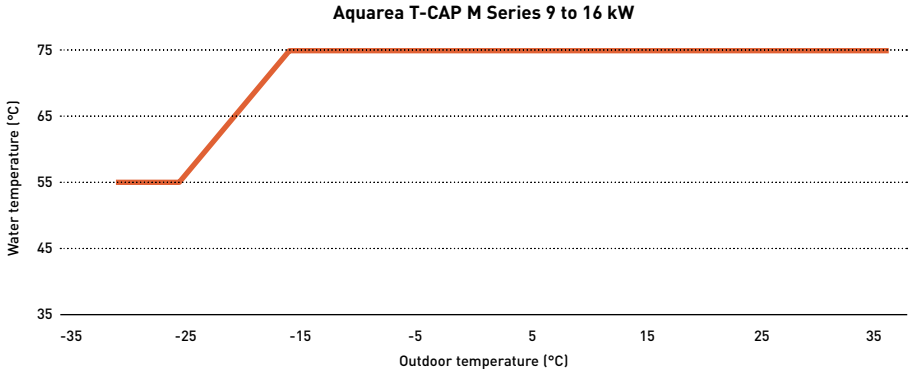
Available in 120 L,185 L and 260 L DHW tank.

	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 T-CAP (WH-WXG**). In case of M Series High Performance (WH-WDG**) operation down to -25 °C.



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.

A+ **ENERGY EFFICIENCY CLASS UP TO A+.**
SCALE FROM A+ TO F.

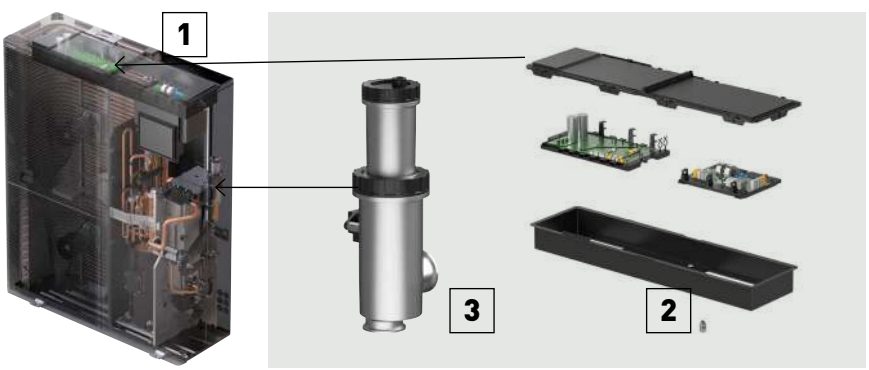
A+++ A++ **ERP 35 °C / 55 °C. ENERGY EFFICIENCY CLASS UP TO A+++/A++.**
SCALE FROM A+++ TO D.

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.

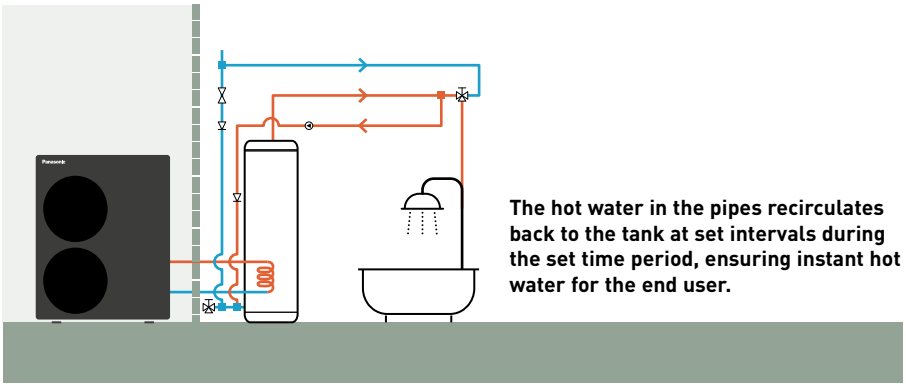


Enhanced comfort and advanced connectivity with the Aquarea M Series

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

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.

Advanced control and connectivity features, enhanced interface.

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

Smart Grid Ready.
The Aquarea M Series features the SG Ready function* for seamless connection to smart grid controls.

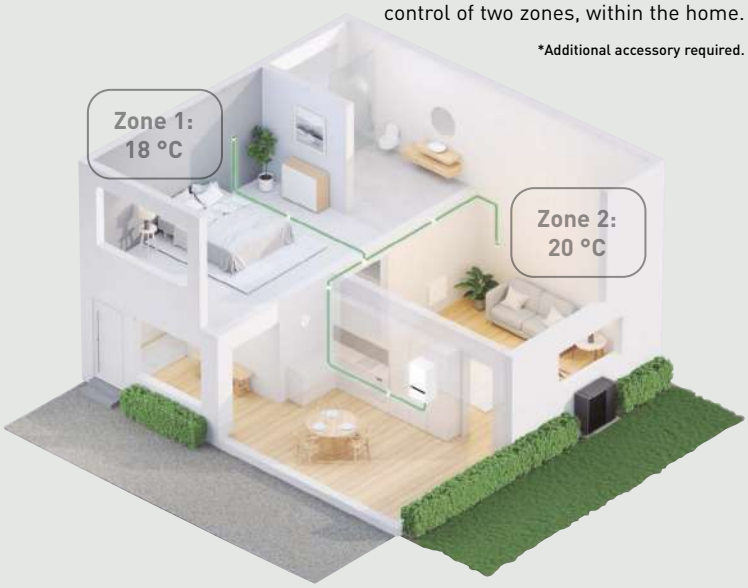
Enhanced connectivity.
A second interface connection port (CN-CNT) offers improved connectivity when connecting the outdoor unit to the control module or an indoor unit.

*Additional accessory required.

BMS integration.
Aquarea integrates seamlessly with Modbus or KNX projects*, allowing bi-directional monitoring and control of all operating parameters.

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

*Additional accessory required.



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.

599 X 602 MM FOOTPRINT REDUCES REQUIRED INSTALLATION SPACE

NO BUFFER TANK REQUIRED, REDUCING SPACE, COST AND INSTALLATION TIME

40 % **UP TO 40% MORE TAP WATER WITH A HIGHER TANK TEMPERATURE SETTING**

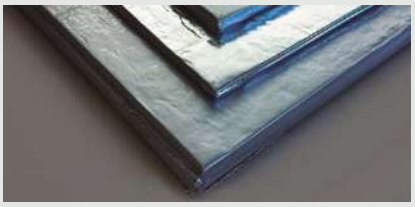
ROBUST BODY AND TOP SURFACE ENABLES INSTALLATION OF A TOP VENTILATION UNIT

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

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 Electrical Anode:

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

*Available only on models with a 185 L or 260 L DHW tank.

Aquarea T-CAP M Series: Designed for demanding conditions, powered by natural refrigerant R290

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

Aquarea T-CAP outdoor units are highly reliable thanks to the quality of all components, including the new compressor with injection technology, developed and manufactured by Panasonic, that can work in outdoor temperatures as low as -28 °C.

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.

-28°C EXTREME CONDITIONS

Compressor operating down to -28 °C outdoor temperatures.

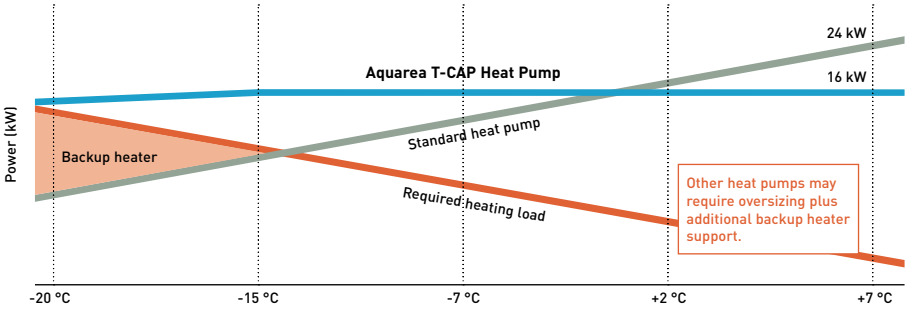
-15°C T-CAP TECHNOLOGY

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

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*.

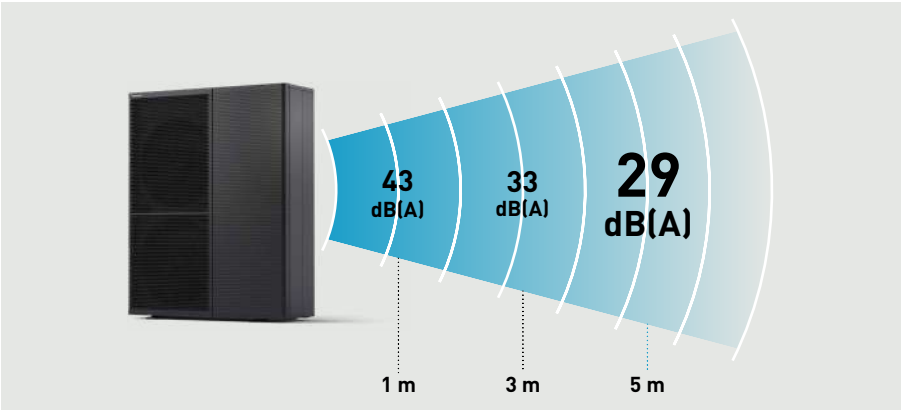
*WH-WXG20/25/30ME8 work down to -25 °C outdoor.



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.



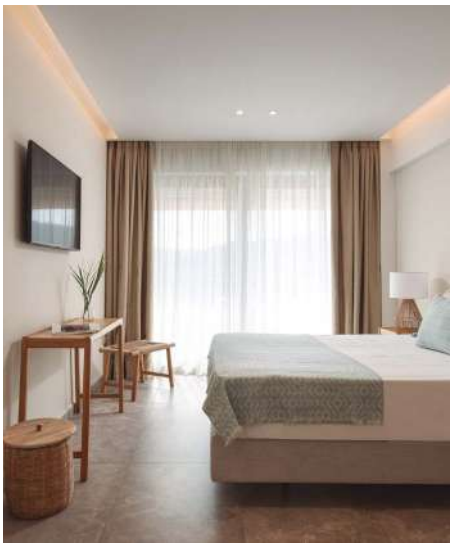
Big Aquarea T-CAP M Series, the ideal solution for centralised heating and DHW installations

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.

T-CAP technology, stable operation and high performance under extreme conditions.

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.

- 300kW UP TO 300 KW IN CASCADE
- COMPACT SOLUTION WITH SMALL FOOTPRINT
- 55 °C KEEPING CAPACITY AT 55 °C WATER OUTLET DOWN TO -15 °C OUTDOOR
- QUIET OPERATION
- PANASONIC INVERTER COMPRESSOR
- 65 °C DHW AT 65 °C WITH COMPRESSOR ONLY

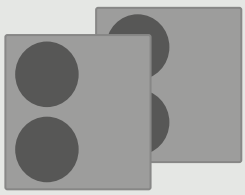


- **Units from 20 to 30 kW, up to 300 kW in cascade**
- **Easy replacement of other heating sources**
- **Flexible control options: remote control only or control module for enhanced functionality**
- **Seamless Modbus integration**
- **Designed to blend with architecture and environment**

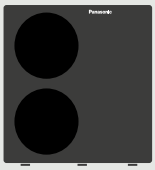
Maintained capacity.
Time-saving installation.
Cost-saving.
Space saving.

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

2x 20 kW heat pump
Conventional cascade system



1x 30 kW*
Big Aquarea T-CAP M Series

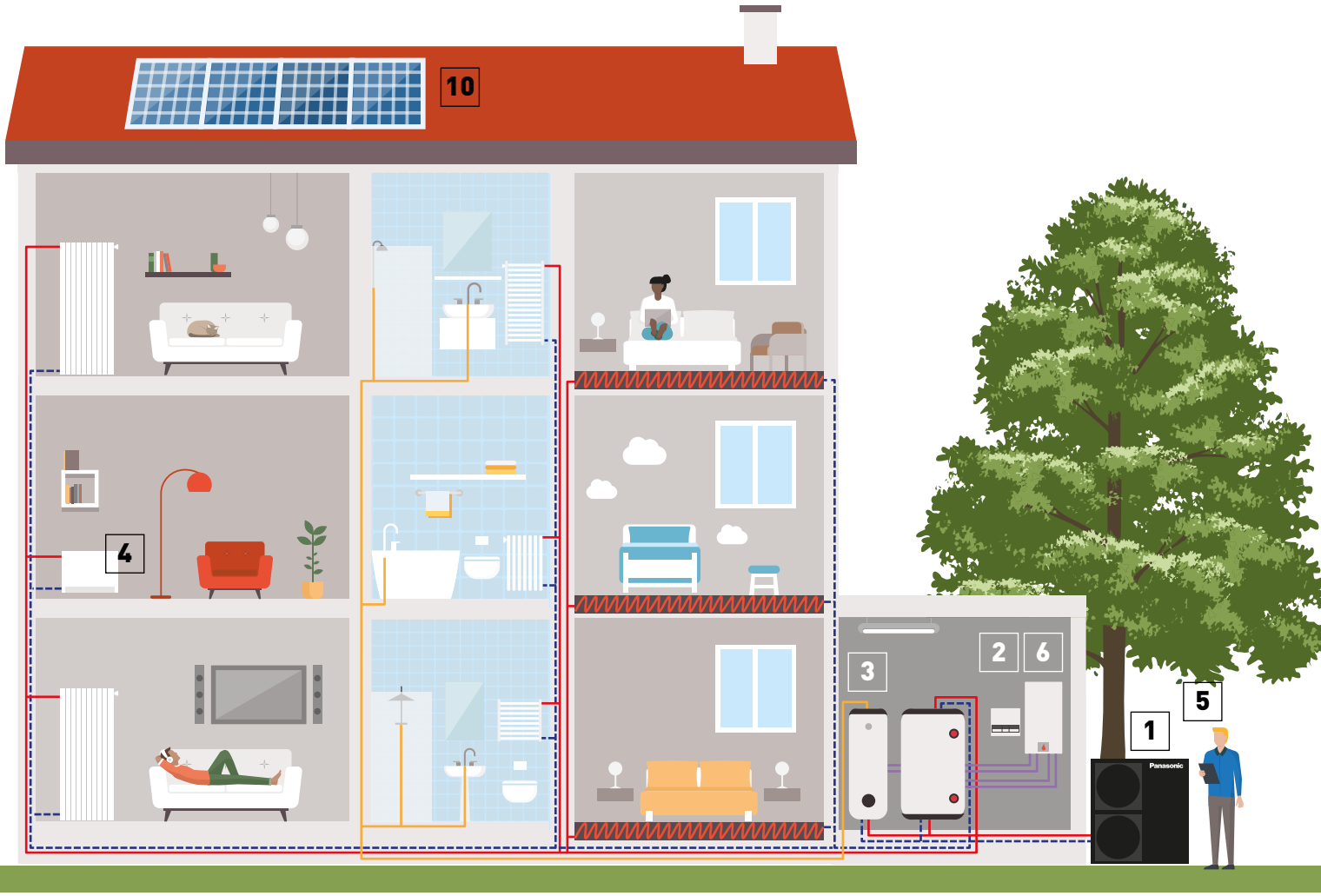


Reliable technology.

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.

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

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.



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

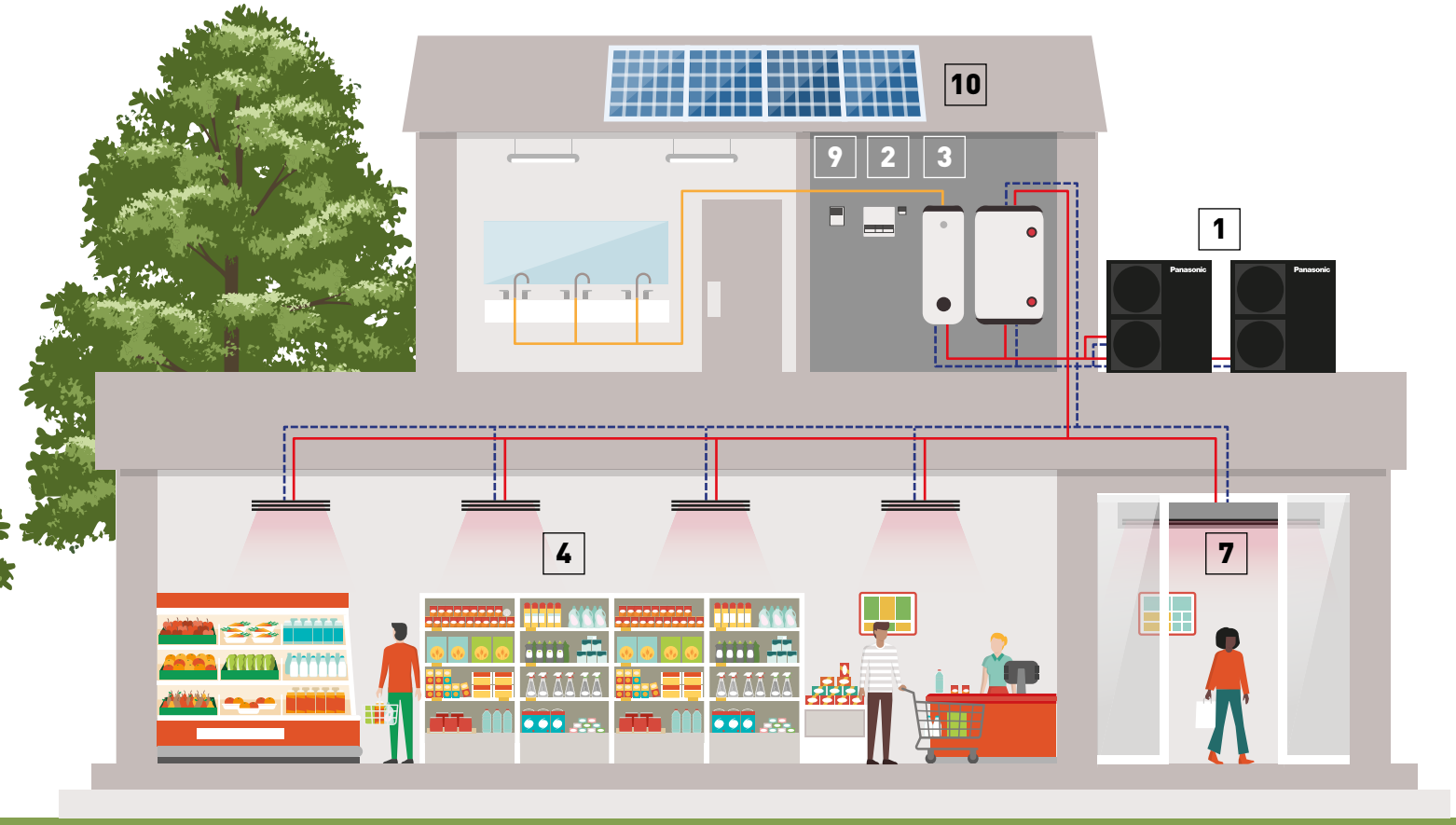
Fan coils, radiators or floor heating.
Aquarea Heat Pumps can be integrated into a new or existing water system.

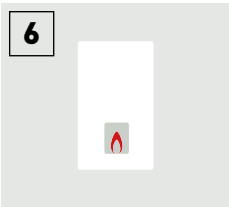
5

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.

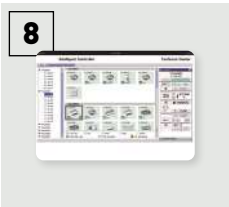
- Scalable solution, up to 300 kW in cascade
- Suitable for new build and retrofit
- Up to 75 °C water outlet
- Easy replacement of other heating sources and integration into existing water systems
- Quiet operation
- Maintains output at 55 °C down to -15 °C
- Hot water production at 65 °C with compressor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

Commercial Smart Edge.

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

P-SMART EDGE

P-Smart Nexus

COMPATIBLE WITH ENTIRE HVAC RANGE

SIMPLIFIED COMMISSIONING

OPTIMISED PLANT MANAGEMENT

ADVANCED ANALYTICS

Aquarea K Series

A revolution in design, efficiency, connectivity and sustainability.

R32
REFRIGERANT

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.

A+++ HIGH ENERGY EFFICIENCY FOR HEATING

High energy class for low temperature applications*.

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

A+ HIGH ENERGY EFFICIENCY FOR DOMESTIC HOT WATER

DHW COP up to 3,5*.

*Scale from A+ to F.

60 °C OUTPUT WATER

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

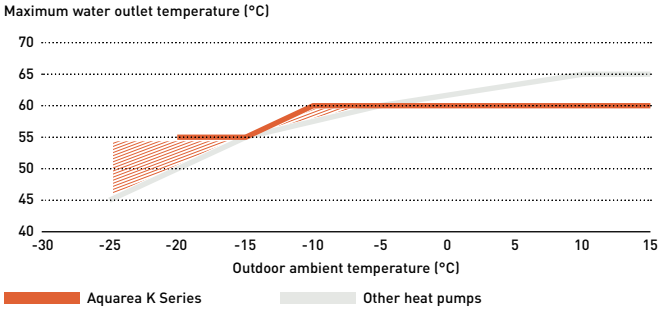
Further advanced features:

- **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

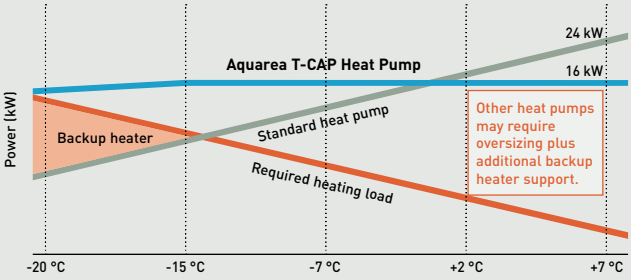
Aquarea T-CAP K Series.

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 -15 °C outdoor temperature, without requiring an electrical heater. This makes it an ideal solution for locations with extremely low temperatures

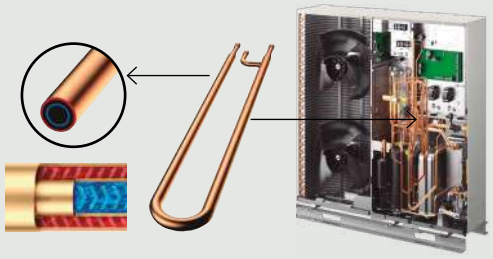
Aquarea T-CAP, high performance whatever the climate

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 -15 °C.



How Aquarea T-CAP K Series maintains performance even at -15 °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.



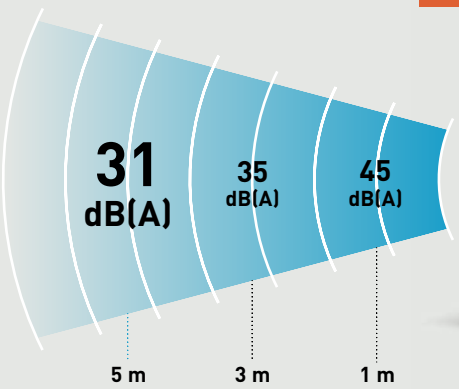
Dual-piped heat exchanger.
Low pressure and low-temperature refrigerant in the inner pipe.

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

Aquarea T-CAP Super Quiet

Up to 7 dB(A) quieter, same outstanding performance.
The Super Quiet outdoor units operate up to 7 dB(A) quieter than standard T-CAP models, ensuring peace for residents and neighbours without compromising performance.
Perfect for noise-sensitive environments where outdoor units must blend into the surroundings.

*Sound pressure calculation for WH-UQZ09KE8 , free standing, A +7 °C, W 35 °C in Quiet mode 3.



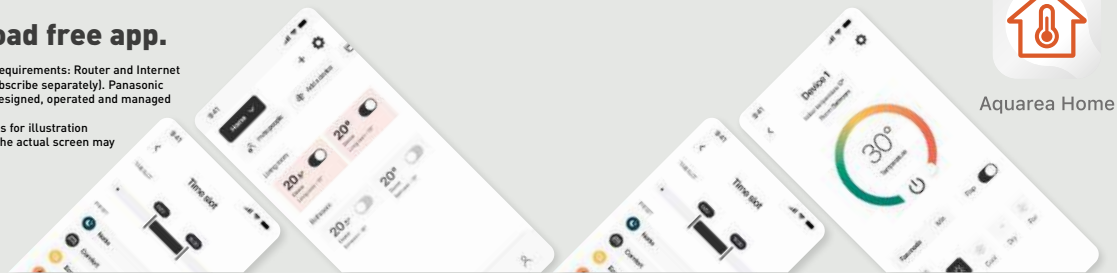
Aquarea Loop: Efficient radiator retrofit for centralised heating with integrated cooling

The Aquarea Loop is a decentralised water-to-air heat pump using natural refrigerant R290, designed to replace radiators in centralised heating systems.

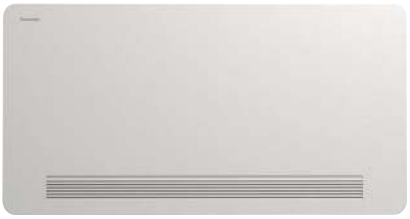
Aquarea Home App

Download free app.

Other hardware requirements: Router and Internet (purchase and subscribe separately). Panasonic Cloud Server is designed, operated and managed by Panasonic.
*The app screen is for illustration purposes only. The actual screen may differ.



Aquarea Home



R290

Ideal for multi-family buildings, social housing, hotels, schools, offices, ...

Efficiently replaces existing radiators in centralised heating systems.

It delivers heating and cooling for buildings with a central water loop 20 ~ 30 °C, ensuring high-efficiency and seamless integration with existing pipework.

- LOW THERMAL LOSSES
- SIMULTANEOUS HEATING AND COOLING
- USE OF EXISTING PIPEWORK FOR RENOVATIONS*
- UNIT-LEVEL ENERGY METERING

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

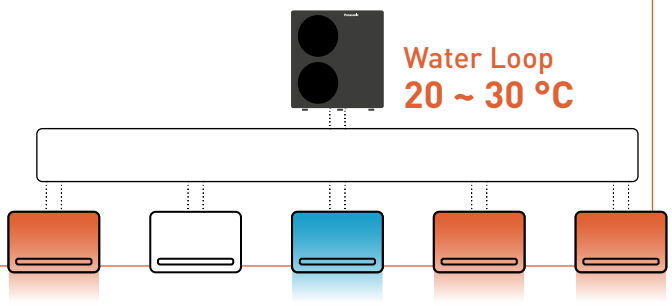
Additional benefits of the Aquarea Loop:

- Minimal disruption to the building and option for phased renovation
- Pre-installed hydraulic parts for faster installation
- Compact unit – only 140 mm deep
- No need for gas connection or chimney
- Reduced operating costs for long-term savings
- Full room-by-room autonomy for optimal comfort
- Independent or grouped scheduling via the Aquarea Home app or BMS
- High seasonal efficiency across the entire system
- Lower CO_2 emissions compared to traditional heating systems

Flexible heating and cooling for collective buildings.

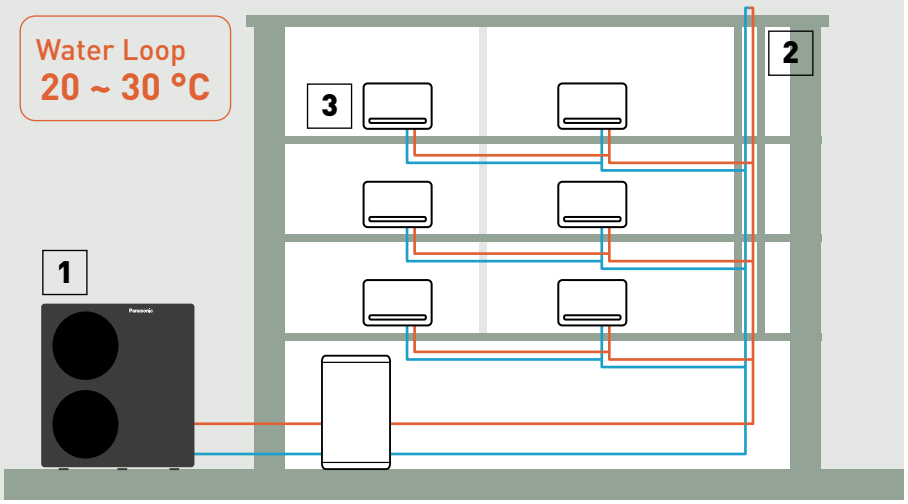
Aquarea Loop is a decentralised solution for heating and cooling connected to a central water loop. Operating at low water temperatures (20 ~ 30 °C), it prevents condensation, reduces energy losses and optimises system efficiency.

Each Aquarea Loop unit can select its own operating mode—heating or cooling—independently, allowing simultaneous operation in both modes across the system.



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

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



New Aquarea EcoFleX

2-in-1 – Flexible comfort and efficiency all year round.

R32
REFRIGERANT

The new Aquarea EcoFleX offers enhanced versatility. It delivers heat recovery hot water, heating, cooling, and cleaner air with nanoe™ X technology, all in one compact solution.

Comfort, flexibility and energy savings in one compact solution.

EcoFleX delivers heating, cooling and hot water from a single system. Its advanced heat recovery technology reuses energy to maximise savings while ensuring continuous comfort.

MAXIMUM FLEXIBILITY

Up to 3 air to air indoor units plus an air-to-water unit with an integrated DHW tank.

nanoe™X ULTIMATE COMFORT

Continuous heating, cooling, DHW and cleaner air with nanoe™ X, down to -25 °C.*

*For CU-4WZ90CBE5. CU-2WZ71YBE5 operates down to -15 °C.

FURTHER ENERGY SAVINGS

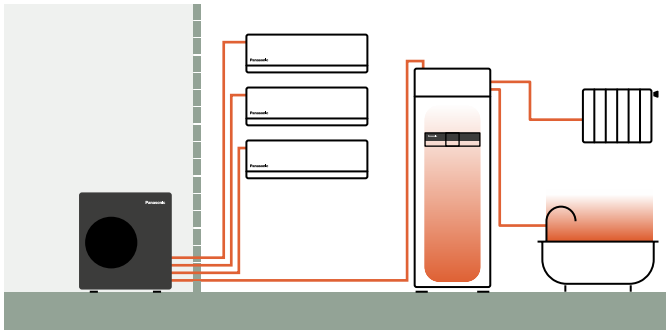
Heat recovery during cooling provides free DHW, reducing energy costs.

COMPACT DESIGN

The compact outdoor unit delivers both heating or cooling and DHW simultaneously.

EcoFleX system overview

1 outdoor unit. Up to 3 air to air indoor units for space heating or cooling. 1 air to water indoor unit for DHW and heating via radiators or underfloor heating.

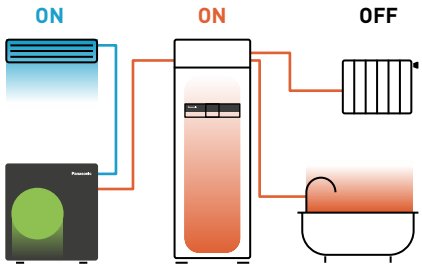


Wide choice of indoor units for any installation

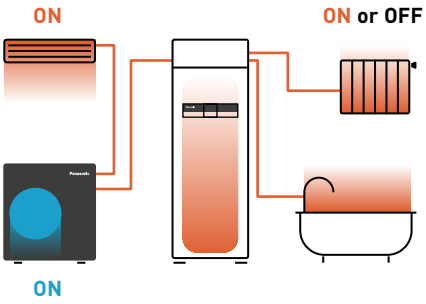
A versatile range of indoor units, including Etherea wall-mounted and EcoFleX ducted units, both featuring nanoe™ X technology, plus slim duct options for narrow ceilings. The ideal solution for any project.

Unique technologies behind Aquarea EcoFleX

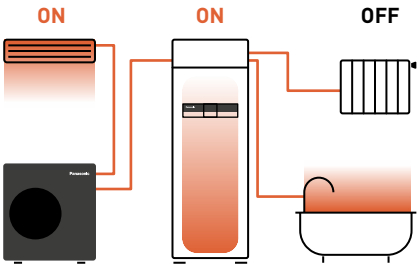
Heat recovery.
During cooling, the heat extracted from indoor air is recovered and used to produce domestic hot water, maximising energy efficiency.

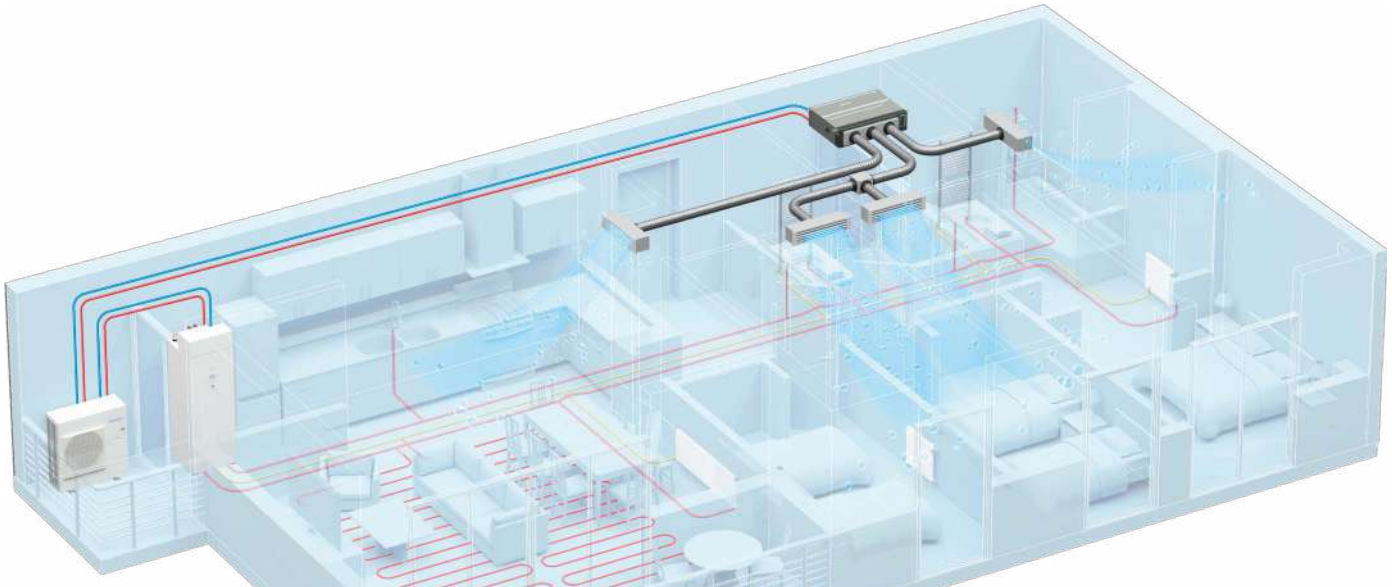


Bi-heating.
Simultaneous operation for space heating (air to air), heating via radiators or underfloor systems, and domestic hot water.



Non-stop heating.
During defrost cycles, heat from the tank maintains air to air heating, ensuring continuous comfort without interruptions.

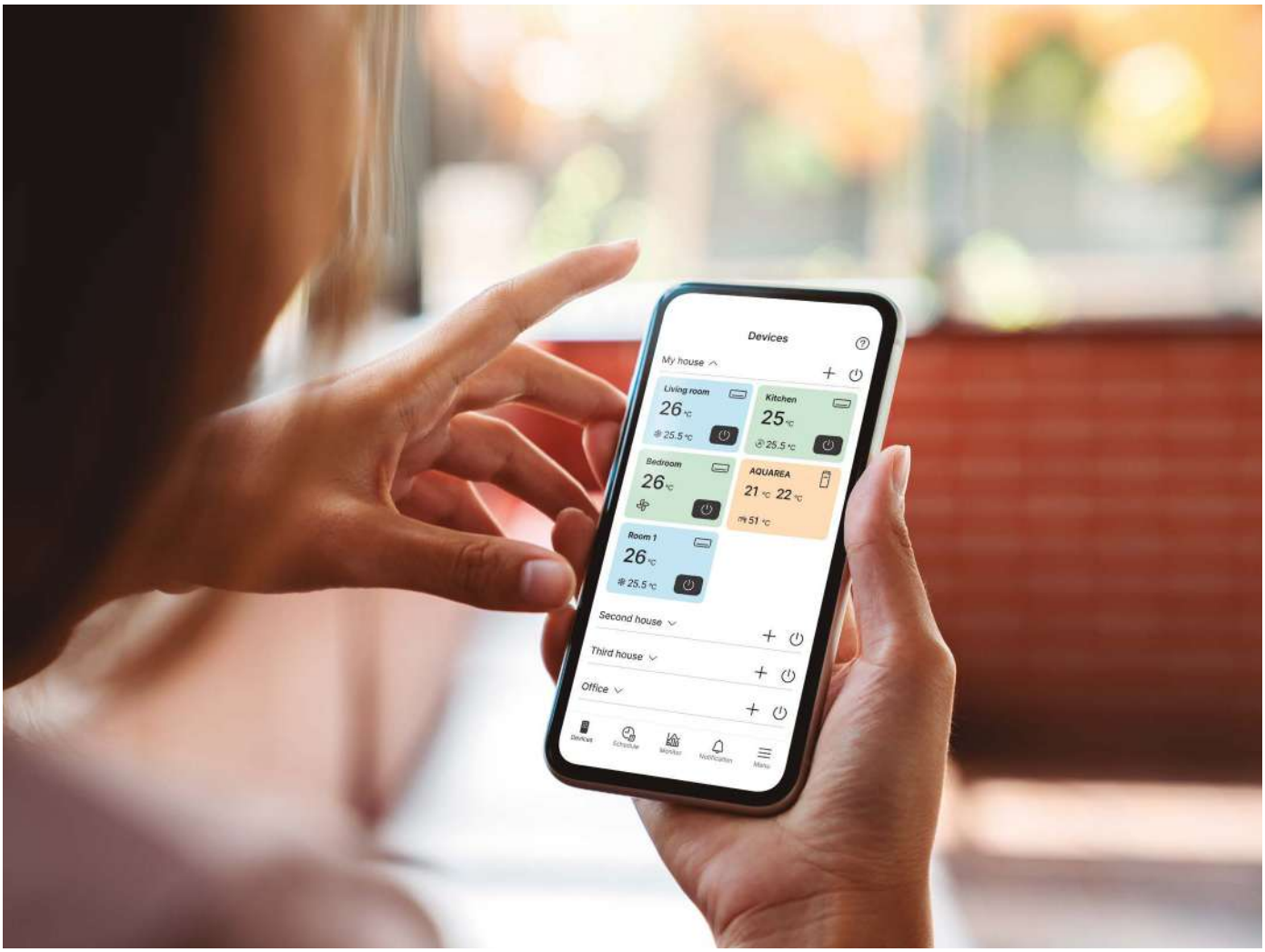




Smart Solutions for Aquarea systems

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	Panasonic Comfort Cloud	Aquarea Home	tado°
	Panasonic Comfort Cloud App	**Aquarea Home App**	**tado°**
Aquarea Heat Pump management	✔ Requires Cloud adapter CZ-TAW1B. 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.

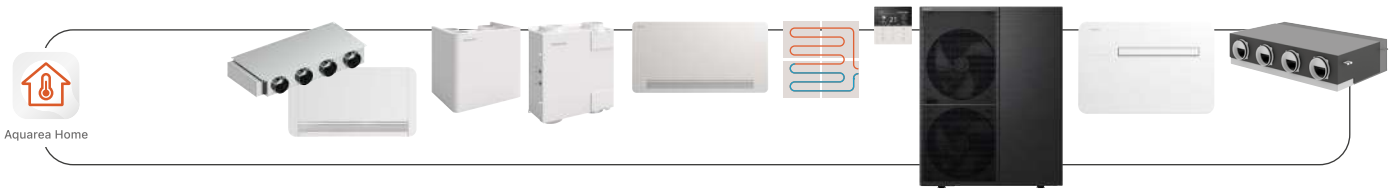
Aquarea Home App, seamless control of all Aquarea room solutions

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

Aquarea Home

Integrated control of Aquarea Heat Pumps and room solutions through a single intuitive, user-friendly app [1].

- CENTRALISED REMOTE CONTROL
- CONTROL BY ROOM
- WEEKLY TIMER
- USER-FRIENDLY INTERFACE



1) Aquarea Air Smart fan coils, Aquarea Vent, Aquarea Loop, underfloor heating (field supply), RAC Solo and PACi NX multi zone duct: requires a remote control with Wi-Fi connectivity or a Modbus controller connected to the Aquarea Home Network Hub (PCZ-ESW737). 2) Aquarea Heat Pumps: require the Home Network Hub (PCZ-ESW737) to be connected to the CN-CNT port.

Comfort management, anytime, anywhere.

Home and room management.
Control heat pumps and terminals by room; monitor indoor/outdoor temperatures.

Device settings.
Adjust ON / OFF, temperature, and operating mode for all devices.

Scheduling.
Set independent weekly timers for each device.

*The app screen is for illustration purposes only. The actual screen may differ.

Connecting to Aquarea Home.

Aquarea Home supports two connection methods:
· Direct Wi-Fi connection
· Connection via the Home Network Hub (PCZ-ESW737): One heat pump and up to 16 room solutions per Hub

Both methods can be used simultaneously within the same home or installation.

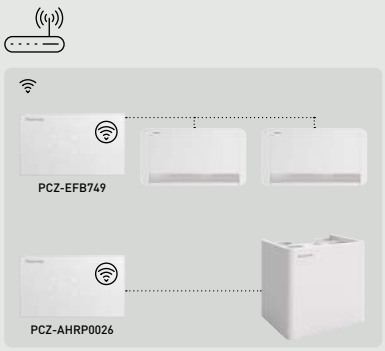
Requirements for connecting with Aquarea Home App

1 | Compatible devices and required accessories

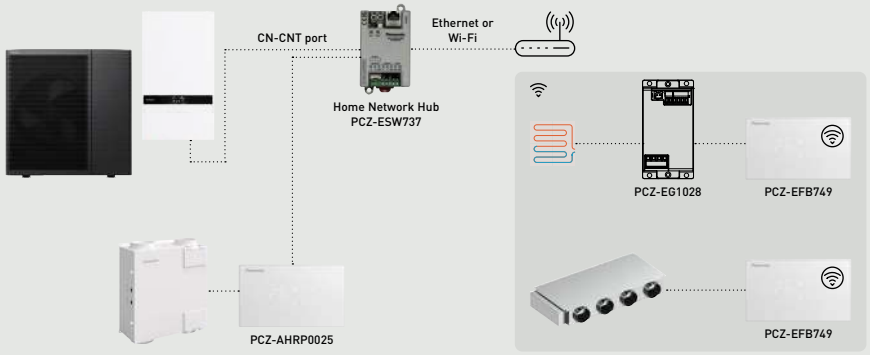
	Connection via Wi-Fi	Connection via Home Network Hub (PCZ-ESW737)
Aquarea Air Smart fan coils	✔ Requires PCZ-EFB749 or Wi-Fi on-board display	✔ Requires PCZ-EEB749 or Modbus on-board display
Aquarea Loop	✔ Requires Wi-Fi on-board display	✔ Requires Modbus on-board display
Aquarea Vent	✔ Requires PCZ-AHRP0025	✔ Requires PCZ-AHRP0026
Underfloor heating (field supply)	✔ Requires PCZ-EG1028 and PCZ-EFB749	✔ Requires PCZ-EG1028 and PCZ-EEB749
Aquarea H Series onwards	—	✔ Connection to CN-CNT port
RAC Solo	✔	✔
PACi NX multi zone duct	✔	—

2 | In-house WLAN or Wi-Fi internet connection
3 | Smartphone or tablet with internet connection

Case 1.
Room terminals via Wi-Fi only (no Hub).



Case 2.
Room terminals via Wi-Fi and/or Hub; heat pump via Home Network Hub.



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.

Panasonic 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

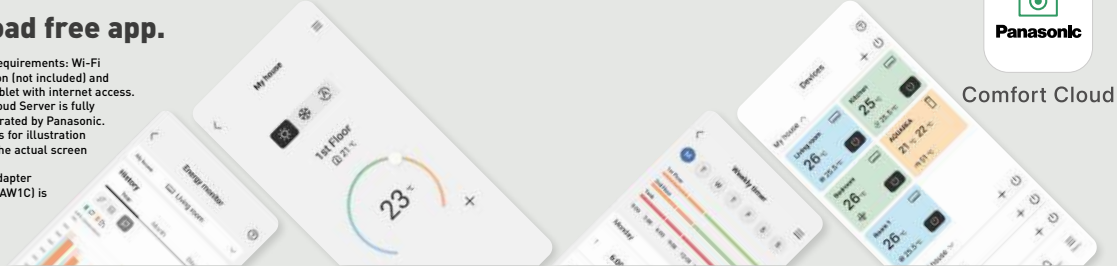
Requirements for connecting with Panasonic Comfort Cloud App

1 | Aquarea H Series or later
2 | Cloud adapter, CZ-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

Panasonic Comfort Cloud App

Download free app.

Other hardware requirements: Wi-Fi internet connection (not included) and Smartphone or tablet with internet access. The Panasonic Cloud Server is fully managed and operated by Panasonic.
*The app screen is for illustration purposes only. The actual screen may differ.
*Optional Wi-Fi adapter (CZ-TAW1B/CZ-TAW1C) is required.



Panasonic Comfort Cloud

Download on the App Store

GET IT ON Google Play

Aquarea Service Cloud

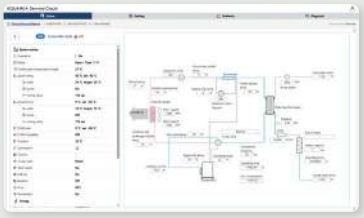
AQUAREA Service Cloud

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.

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.
Overview of connected users at a glance with two display options: map view or list view.



Unit status.
Real-time overview of the unit's operating status with up to 28 key parameters.

Statistics.
Customisable performance statistics covering up to 71 parameters, accessible anytime for detailed analysis.

Unit settings.
Remote configuration of most user and installer settings for convenient system management.

Note: User interface design may vary.

Aquarea Service Cloud offers three versions to optimise system performance and reduce downtime.

Aquarea Service Cloud	**Standard version.** Remote maintenance made simple	**Advanced version.** For preventive and corrective maintenance	**Diagnosis version.** For predictive maintenance
License pack (20 licenses)	—	**SR-A2W-SVCADV20**	**SR-A2W-SVCDIA20**
RRP (20 licenses)	**Free of charge**	**Check price**	**Check price**
Unit status	✔	✔	✔
Unit settings	✔	✔	✔
Error logs	Last 4	Last 50	Last 50
Statistics	7 days	1 year	1 year
Statistics bulk download		✔	✔
Group management		✔	✔
System diagram		✔	✔
Pre-error data*		✔	✔
24h diagnosis algorithms			✔
COP weekly average			✔

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/

Activation in just 3 steps

1 | Log in to Panasonic Comfort Cloud App (end user) or Aquarea Service Cloud (installer)
2 | Submit the activation request. The process can be initiated by either party
3 | Confirmation is completed via email link by the other party

*The end user can adjust the installer's level of control at any time (four levels).

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

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

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

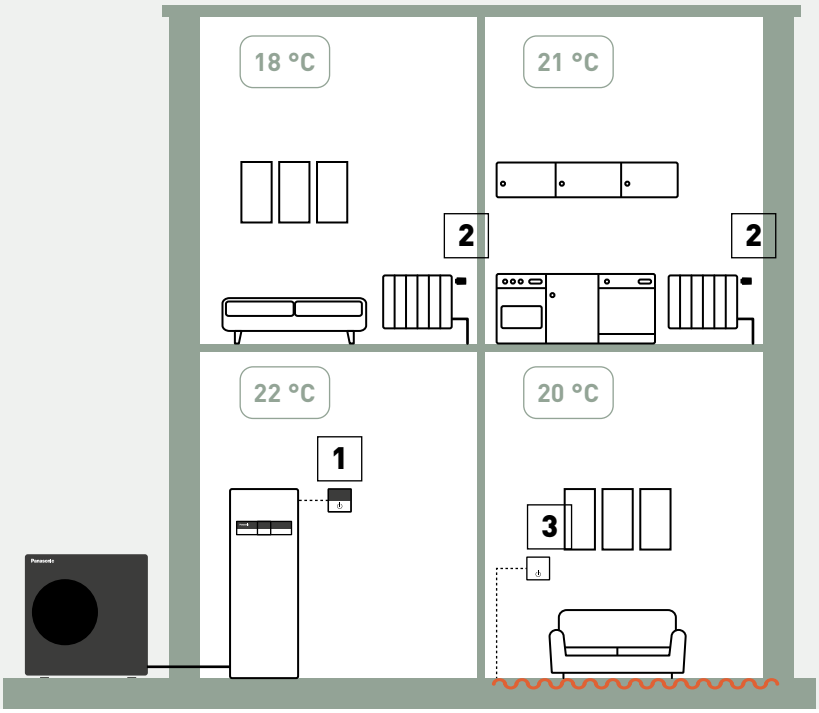
matter

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.

Panasonic and tado° are redefining comfort and energy savings for Aquarea Heat Pumps.

With joint developments such as AQUAREA Sync, which boosts efficiency by up to 10%, and Hydronic Balancing for optimal heat distribution, homeowners enjoy smarter control and greater energy savings.

tado° | Panasonic

Partnership for smart heat pump solutions

MORE tado° OPTIONS IN ACCESSORIES SECTION

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.

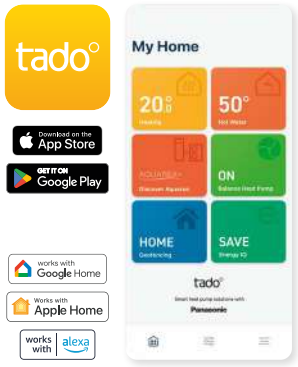
RELIABLE AND TRUSTWORTHY

Guaranteed and optimised interoperability.

tado° Heat Pump Optimizer X and Balance for Heat Pumps.
Intelligent heating control optimised for Aquarea Heat Pumps.
The optional Balance subscription maximizes savings by unlocking additional optimisations.

tado° Room Control.
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.

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.



The tado° app.
Intuitive smart heating technology with Geofencing, Open Window Detection, Multi-Room Control, and offline Smart Schedules.

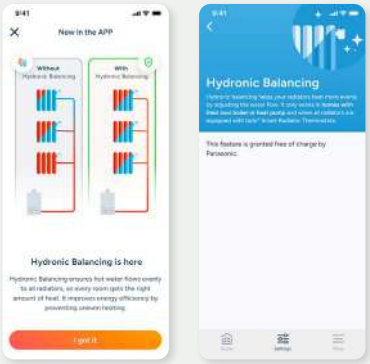
Exclusive benefits with the Panasonic | tado° bundle.

12 MONTHS FREE BALANCE FOR HEAT PUMPS

AQUAREA SYNC FOR UP TO +10% HIGHER EFFICIENCY

HYDRONIC BALANCING INCLUDED*

*Normally only available with AI Assist subscription.



Hydronic Balancing.

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
PAW-TWRXE	tado° X Wireless receiver

Control and connectivity

Aquarea Heat Pumps provide a range of control options for efficient system management.

Integration with KNX and Modbus enables centralised operation through home management systems, optimising performance and costs.

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-RTW2-1 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.

*Only for K, L and M Series.

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

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.

Control by BMS.

Maximum flexibility for seamless integration with KNX and Modbus projects, enabling full bi-directional monitoring and control of all operating parameters.

· Quick and easy installation
· Direct connection to the unit via the CN-CNT connector
· Bidirectional control
· Simultaneous operation via remote controller and gateway

*For specific functionality list of each gateway, please check the user's manual.

	Modbus RTU gateways			
	PAW-AZAW-MBS-M	**PAW-AW-MBS-M**	**CZ-NSMB-C**	**CZ-NSMB**
Dimension (H x W x D)	80 x 92 x 22 mm	93 x 53 x 59 mm	93 x 53 x 25 mm	85 x 50 x 20 mm
Mounting	Fixed by 2 screws or double-sided adhesive	DIN Rail	DIN Rail	Inside Big Aquarea T-CAP, Control Module, Bi-bloc and All in One*.
Configuration	App and Bluetooth®	DIP switch	DIP switch	DIP switch
External power supply	12 V DC	Not required	Not required	Not required
Compatibility	H Series onwards	H Series onwards	H Series onwards	M Series

	KNX gateways		EEbus gateways
	PAW-AZAW-KNX-1	**PAW-AW-KNX-H**	**PAW-AZAW-EEBUS-1**
Dimension (H x W x D)	80 x 92 x 22 mm	59 x 45 x 21 mm	80 x 92 x 22 mm
Mounting	Fixed by 2 screws or double-sided adhesive	Not required	Fixed by 2 screws or double-sided adhesive
Configuration	App and Bluetooth®	DIP switch	App and Bluetooth®
External power supply	12 V DC	Not required	12 V DC
Compatibility	J, K or L Series	H, K or L Series	H Series onwards

*Big Aquarea T-CAP: WH-WXG20ME8, WH-WXG25ME8 and WH-WXG30ME8. Control module: WH-CME5, WH-CME8 and WH-CME8L. Bi-bloc (requires installation kit CZ-NSMB-MTPL): WH-SDC0916M3E5, WH-SDC0916M6E5 and WH-SDC0316M9E8. All in One (requires installation kit CZ-NSMB-MTPL): WH-ADC0916M3E51, WH-ADC0916M3E52, WH-ADC0916M6E52, WH-ADC0916M3E53, WH-ADC0916M6E53, WH-ADC0316M9E81, WH-ADC0316M9E82, WH-ADC0316M9E83.

External meter gateway.

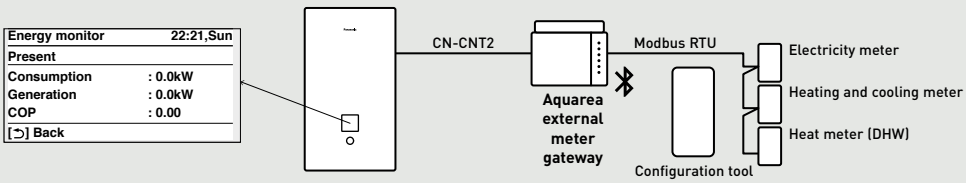
PAW-A2W-EXTMETER

· Energy consumption and production from external Modbus RTU meters
· Real values visualized via Aquarea remote controller and Panasonic Comfort Cloud App
· 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:

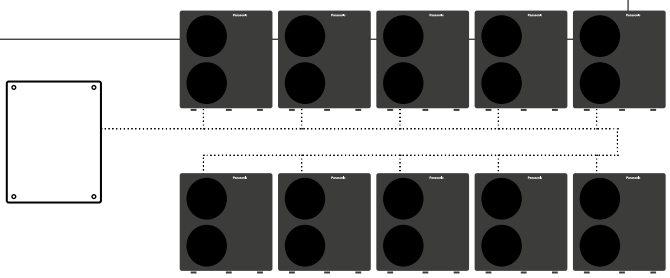
· Configuration via App (iOS and Android™) using Bluetooth®
· Easy to setup thanks to templates for some meters manufacturers
· Configuration can be done before and just send it on commissioning



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

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.

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.

P-SMART EDGE

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

P-Smart Nexus

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

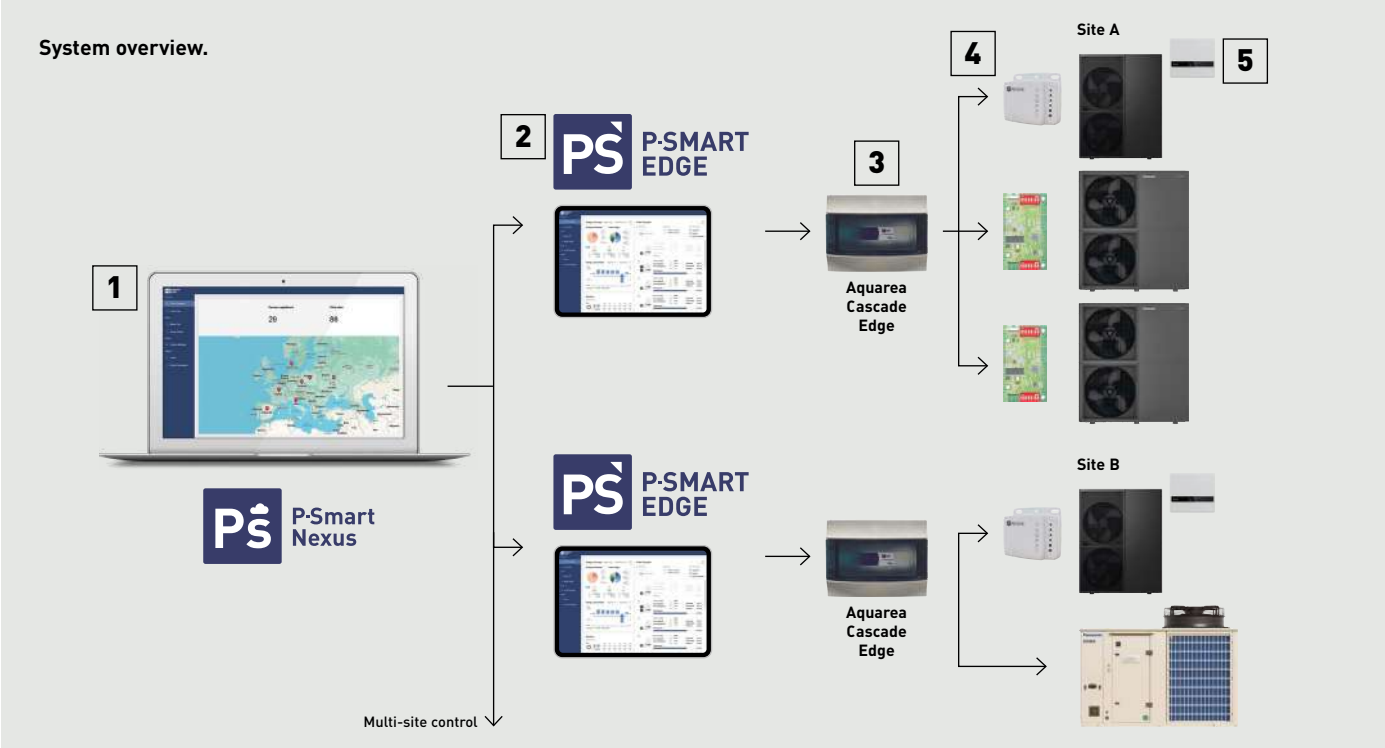
	PAW-A2W-CMH-3	PAW-A2W-CME4	PAW-A2W-CME10
Cascade up to number of heat pumps	Up to 10	Up to 4	Up to 10
Management of heat demand, balancing working hours	✔	✔	✔
Integration of photovoltaics (PV optimised algorithm)	✔	–	–
Connectable buffer tank	2 tanks	1 tank	1 tank
Heating/cooling 0-10 V demand signal	✔	–	–
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.

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



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 Modbus gateway (see page 55) 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

Note: User interface design may vary.

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

How Panasonic contributes to Future Home Standards

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

Gedling Green Ready for Future Home Standard with Panasonic Heat Pumps
Panasonic heat pumps have been installed into a regenerative housing project in Nottinghamshire, as part of a "Homes England" research project to provide innovative zero carbon ready homes.

The UK Governments Future Homes and Buildings Standard (FHS), will be published in Autumn 2025, to significantly reduce carbon emissions from new homes by 75-80% (compared to current standards) by utilising mandatory low carbon heating systems such as heat pumps. Panasonic shared some of its latest research collaborations with UK universities, including Salford University on the Energy House 2.0, alongside developers Bellway, as well as Birmingham City University on the Gedling Green Development alongside developers Keepmoat. Both projects utilise Panasonic's highly efficient Aquarea J series heat pumps.

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.

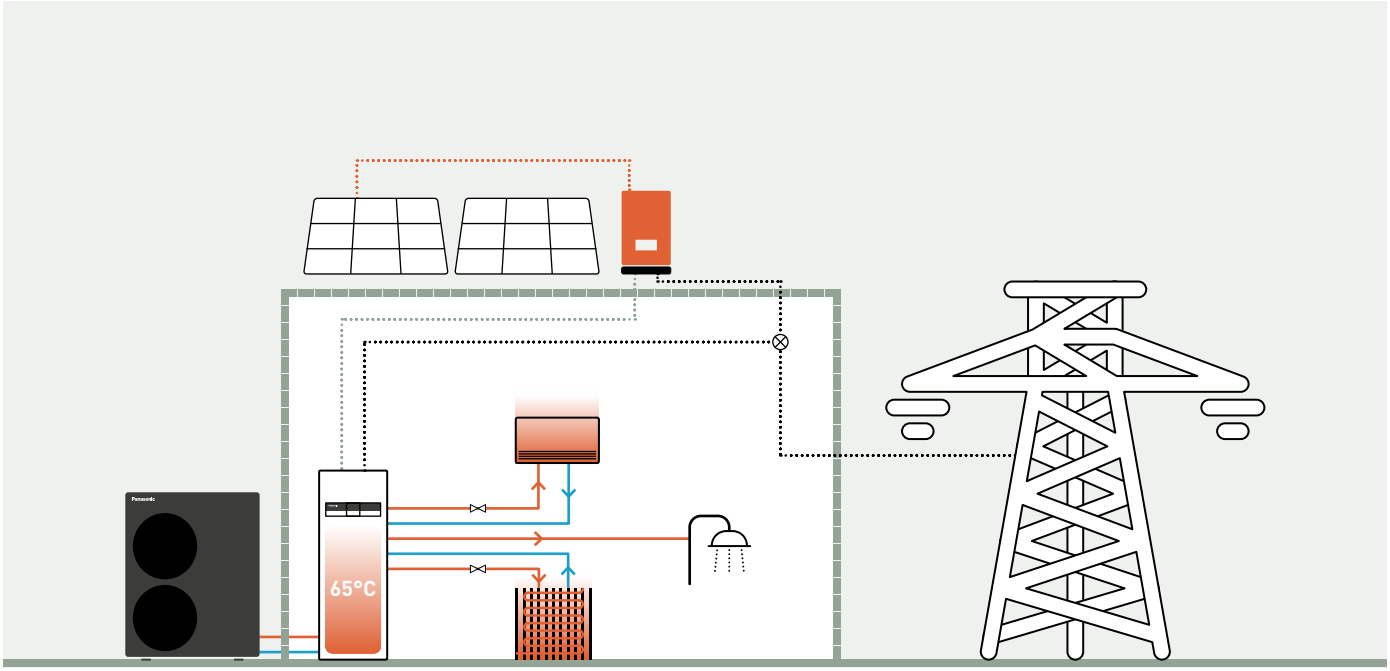
- SAVINGS ON HEAT PUMP RUNNING COSTS
- REDUCED PRIMARY ENERGY CONSUMPTION
- CO_2 LOWER CO_2 EMISSIONS
- MAXIMISED COMFORT

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.

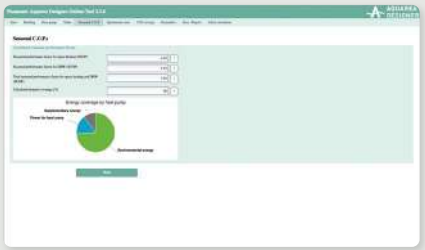
These resources are designed to make your planning process more efficient and effective.

Aquarea Designer.

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).

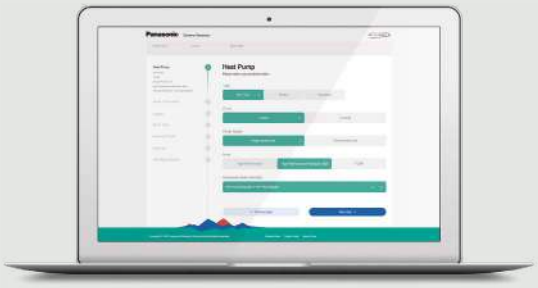
Among many others, these are the main tools for the design of Aquarea projects.

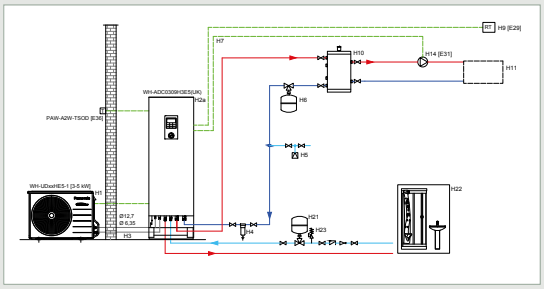
PRO Club

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.

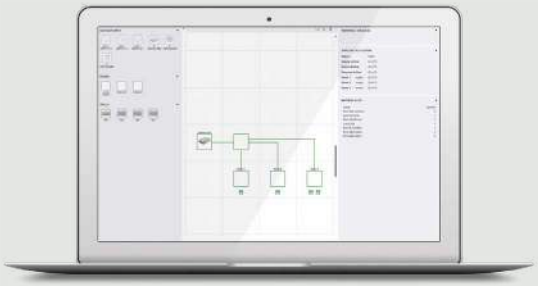
The latest features and upgrades include:
· A modern user interface
· Accessory model choice selection
· Expanded buffer tank options
· Additional refrigerant and hydraulic specification details





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.

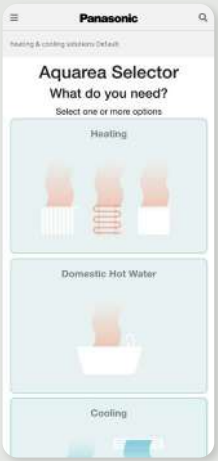
This software can quickly and easily determine the heating requirements for the rooms in a project. The Heating demand calculator will help determine approximately how much power is needed to heat each room individually. The result in kilowatts will help you choose the space heater best suited to your 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 T-CAP		9 kW	12 kW	16 kW	20 kW	25 kW	30 kW
P. 68 , 70	R290 **All in One · R290 1ph - 3ph**	WH-ADC0916M3E5UK1 [2] WH-ADC0916M3E5UK2 [3] WH-ADC0916M3E5UK3 [3] WH-WXG09ME5	WH-ADC0916M3E5UK1 [2] WH-ADC0916M3E5UK2 [3] WH-ADC0916M3E5UK3 [3] WH-WXG12ME5				
P. 68 , 70	R290 **Bi-bloc · R290 1ph - 3ph**	WH-SDC0916M3E5 [3] WH-SDC0316M9E8 WH-WXG09ME5 WH-WXG09ME8	WH-SDC0916M3E5 [3] WH-SDC0316M9E8 WH-WXG12ME5 WH-WXG12ME8	WH-SDC0316M9E8 WH-WXG16ME8			
P. 68 , 70	R290 **Control module · R290 1ph - 3ph**	WH-CME5 WH-CME8 WH-WXG09ME5 WH-WXG09ME8	WH-CME5 WH-CME8 WH-WXG12ME5 WH-WXG12ME8	WH-CME8 WH-WXG16ME8	WH-CME8L WH-WXG20ME8	WH-CME8L WH-WXG25ME8	WH-CME8L WH-WXG30ME8
P. 68 , 70	R290 **Stand-alone · R290 [2] 1ph - 3ph**	WH-WXG09ME5 WH-WXG09ME8	WH-WXG12ME5 WH-WXG12ME8	WH-WXG16ME8	WH-WXG20ME8	WH-WXG25ME8	WH-WXG30ME8
P. 72	**Mono-bloc · R32 1ph - 3ph**	WH-MXC09J3E5-1 WH-MXC09J3E8-1	WH-MXC12J6E5-1 WH-MXC12J9E8-1	WH-MXC16J9E8-1			

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

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

Aquarea High Performance		5 kW	7 kW	9 kW	12 kW	16 kW
P. 74 , 76	R290 **All in One · R290 1ph - 3ph**	WH-ADC0509L3E5UK1 [1] WH-ADC0509L3E5 [3] WH-WDG05LE5	WH-ADC0509L3E5UK1 [1] WH-ADC0509L3E5UK1 [3] WH-WDG07LE5	WH-ADC0509L3E5UK1 [1] WH-ADC0509L3E5UK1 [3] WH-WDG09LE5	WH-ADC0916M3E5UK1 [2] WH-ADC0916M3E5UK2 [3] WH-ADC0916M3E5UK3 [3] WH-WDG12ME5 [2]	WH-ADC0916M3E5UK1 [2] WH-ADC0916M3E5UK2 [3] WH-ADC0916M3E5UK3 [3] WH-WDG16ME5 [2]
P. 74 , 76	R290 **Bi-bloc · R290 1ph - 3ph**	WH-SDC0509L3E5 [3] WH-WDG05LE5	WH-SDC0509L3E5 [3] WH-WDG07LE5	WH-SDC0509L3E5 [3] WH-WDG09LE5	WH-SDC0916M3E5 [1] [3] WH-WDG12ME5 [2]	WH-SDC0916M3E5 [1] [3] WH-WDG16ME5 [2]
P. 76	R290 **Control module · R290 1ph - 3ph**				WH-CME5 WH-CME8 WH-WDG12ME5 [2]	WH-CME5 WH-CME8 WH-WDG16ME5 [2]
P. 76	R290 **Stand-alone · R290 [4] 1ph**				WH-WDG12ME5 [2]	WH-WDG16ME5 [2]
P. 79	**Mono-bloc · R32 1ph**	**NEW!** WH-MDC05J3E5-1	**NEW!** WH-MDC07J3E5-1	**NEW!** WH-MDC09J3E5-1		

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

Aquarea Split

Aquarea T-CAP		9 kW	12 kW	16 kW
P. 80, 83, 81, 85	All in One · R32 1ph - 3ph	 WH-ADC0912K6E5UK1 WH-ADC0912K6E5UK3 WH-UXZ09KE5 WH-ADC0912K9E8UK1 WH-ADC0912K9E8UK3 WH-UXZ09KE8	 WH-ADC0912K6E5UK1 WH-ADC0912K6E5UK3 WH-UXZ12KE5 WH-ADC0912K9E8UK1 WH-ADC0912K9E8UK3 WH-UXZ12KE8	
P. 82	Bi-bloc · R32 1ph - 3ph	 WH-SXC09K3E5 [1] WH-UXZ09KE5 WH-SXC09K3E8 [1] WH-UXZ09KE8	 WH-SXC12K6E5 WH-UXZ12KE5 WH-SXC12K9E8 WH-UXZ12KE8	 WH-SXC16K9E8 WH-UXZ16KE8

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

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

Aquarea High Performance		3 kW	5 kW	7 kW	9 kW	12 kW	16 kW
P. 83, 93, 94, 95, 96, 97, 98, 99	All in One · R32 1ph - 3ph	WH-ADC0309K3E5UK2 [1] WH-UDZ03KE5	WH-ADC0309K3E5UK2 [1] WH-UDZ05KE5	WH-ADC0309K3E5UK1 [1] WH-UDZ07KE5	WH-ADC0309K3E5UK2 [1] WH-UDZ09KE5	WH-ADC0912K6E5UK2 WH-ADC0912K6E53UK3 WH-UDZ12KE5	WH-ADC16K6E5UK2 WH-ADC16K6E53UK3 WH-UDZ16KE5
P. 84, 85	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 WH-SDC09K3E8 [1] WH-UDZ09KE8	WH-SDC12K6E5 WH-UDZ12KE5 WH-SDC12K9E8 WH-UDZ12KE8	WH-SDC16K6E5 WH-UDZ16KE5 WH-SDC16K9E8 WH-UDZ16KE8

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

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: Hydronic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Constant capacity at 55 °C down to -15 °C / Operating range to -28 °C / Up to 75 °C flow temperature / 55 °C flow temperature at -25 °C / Low noise level
Control: Optimised user interface and improved features (2 zone control, bivalent control).

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

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW* A+ TO F

*For All in One.

Combination table		DHW tank	Backup heater capacity	Electrical anode		Outdoor unit				
						Heating capacity				
						Single phase		Three phase		
						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
Indoor unit										
Hydraulic All in One	1ph	120 L	3 kW	—	**WH-ADC0916M3E5UK1**	✔	✔	—	—	—
	1ph	185 L	3 kW	—	**WH-ADC0916M3E5UK2**	✔	✔	—	—	—
	1ph	260 L	3 kW	—	**WH-ADC0916M3E5UK3**	✔	✔	—	—	—
Hydraulic Bi-bloc	1ph	—	3 kW		**WH-SDC0916M3E5**	✔	✔	—	—	—
	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-RTW2-1	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 1". It is required to order 2 valves per system. For 9, 12 and 16 kW
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel

Accessories	
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TE50H1AE	Tank 500 L - Enamelled DHW
PAW-TE75H1AEAN	Tank 750 L - Enamelled DHW
PAW-TE90H1AEAN	Tank 900 L - Enamelled DHW
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
PAW-BC50FAE	Buffer tank 500 L
PAW-BC80FAE	Buffer tank 800 L
PAW-BC100FAE	Buffer tank 1000 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.

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 for smart control via Comfort Cloud App / 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 / kg	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	3,00	6,00	9,00
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-RTW2-1	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
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled

Accessories	
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TE50H1AE	Tank 500 L - Enamelled DHW
PAW-TE75H1AEAN	Tank 750 L - Enamelled DHW
PAW-TE90H1AEAN	Tank 900 L - Enamelled DHW
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
PAW-BC50FAE	Buffer tank 500 L
PAW-BC80FAE	Buffer tank 800 L
PAW-BC100FAE	Buffer tank 1000 L

DHW A+: For All in One.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™.
Flexibility: Backup heater included / Built-in 10 L expansion vessel / 30 m maximum height difference between indoor and outdoor / Suitable for harsh-water installations (AN version).

All in One with 120 L DHW tank*			Single phase	Three phase
Indoor unit			**WH-ADC0916M3E5UK1**	**WH-ADC0316M9E8UK1**
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	3,00	9,00

Domestic Hot Water energy efficiency

Indoor unit			**WH-ADC0916M3E5UK1**		**WH-ADC0316M9E8UK1**		
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-ADC0916M3E5UK2**	**WH-ADC0916M6E5UK2**	**WH-ADC0316M9E8UK2**
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	3,00	6,00	9,00

Domestic Hot Water energy efficiency

Indoor unit			**WH-ADC0916M3E5UK2**		**WH-ADC0316M9E8UK2**		
			WH-ADC0916M3E5UK2		—	—	—
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-ADC0916M3E5UK3**	**WH-ADC0916M6E5UK3**	**WH-ADC0316M9E8UK3**
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	3,00	6,00	9,00

Domestic Hot Water energy efficiency

Indoor unit			**WH-ADC0916M3E5UK3**		**WH-ADC0316M9E8UK3**		
			WH-ADC0916M3E5UK3		—	—	—
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 / Shower	Inch	1¼ / ¾
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. *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 at 55 °C down to -15 °C / 65 °C water outlet temperature.
Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).
Connectivity: Optional Wi-Fi and BMS integration.

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

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
Optional

			Single phase		Three phase		
Outdoor unit			**WH-MXC09J3E5-1**	**WH-MXC12J6E5-1**	**WH-MXC09J3E8-1**	**WH-MXC12J9E8-1**	**WH-MXC16J9E8-1**
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.

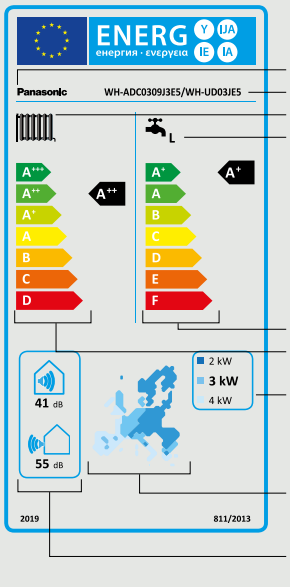
Accessories	
PAW-TD20C1E5-1	Tank 200 L - Stainless steel
PAW-TD30C1E5-1	Tank 300 L - Stainless steel
PAW-TA20C1E5STD	Tank 200 L - Enamelled
PAW-TA30C1E5STD	Tank 300 L - Enamelled
PAW-TD20B8E3-2	Combo Tank 185 L + 80 L – Enamelled
PAW-TD23B6E5	Combo Tank 230 L + 60 L – Stainless steel
PAW-3WYVLV-HW	3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

Accessories	
CZ-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
PAW-A2W-AFVLV-1	1 antifreeze valve 1". 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

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.



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 High Performance Hydraulic L Series. Single phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C.
Flexibility: Hydronic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Operation without backup heater down to -25 °C / 75 °C flow temperature at -10 °C / 55 °C flow temperature at -25 °C.

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

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW* A+ TO F
Included

*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-ADC0509L3E5UK1**	✔	✔	✔
		185 L	3 kW	—	—	**WH-ADC0509L3E5UK2**	✔	✔	✔
Hydraulic Bi-bloc	1ph	—	3 kW	—	—	**WH-SDC0509L3E5**	✔	✔	✔

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.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™.
Flexibility: Built-in 2 zone kit (for 2 zones models) / Suitable for harsh-water installations (AN version).
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Wi-Fi adapter included for smart control via Comfort Cloud App.

Indoor unit			WH-ADC0509L3E5UK1	WH-ADC0509L3E5UK2
Sound pressure	Heat / Cool	dB(A)	31/31	28/28
Dimension	H x W x D	mm	1293 x 599 x 602	1642 x 599 x 602
Net weight / 2 zones model		kg	79/—	93/101
Water pipe connector	Room	Inch	1¼	1¼
	Shower	Inch	¾	¾
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	14,3
Water volume		L	120	185
Maximum DHW temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
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	3,00
Recommended fuse, supply 1 / 2 [1]		A	25/16	25/16
Recommended minimum cable size, supply 1 / 2 [1]		mm²	3x2,5/3x1,5	3x2,5/3x1,5

Domestic Hot Water energy efficiency		**120 L**	**185 L**	**120 L**	**185 L**
Indoor unit	**WH-**	**ADC0509L3E5UK1**	**ADC0509L3E5UK2**	**ADC0509L3E5UK1**	**ADC0509L3E5UK2**
Outdoor unit		**WH-WDG05LE5**		**WH-WDG07LE5**	
Tapping profile according EN16147		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
DHW tank ERP average climate η / COPdHW	ηwh %/COPdHW	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
DHW tank ERP cold climate η / COPdHW	ηwh %/COPdHW	90/2,26	112/2,80	90/2,26	112/2,80

1) Check local regulations. 2) Scale from A+ to F. *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 for smart control via Comfort Cloud App.

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 / kg	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 1". 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

NEW! Aquarea High Performance Hydraulic M Series outdoor units. Single phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C.
Flexibility: Hydronic 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.

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW* A+ TO F

*For All in One.

Included

Combination table						Outdoor unit				
Indoor unit						Heating capacity				
						Single phase		Three phase		
		DHW tank	Backup heater capacity	Electrical anode		12,0 kW	16,0 kW	9,0 kW	12,0 kW	16,0 kW
						WH-WDG12ME5	WH-WDG16ME5	WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8
Hydraulic All in One	1ph	120 L	3 kW	—	WH-ADC0916M3E5UK1	✔	✔	—	—	—
		185 L	3 kW	—	WH-ADC0916M3E5UK2	✔	✔	—	—	—
		260 L	3 kW	—	WH-ADC0916M3E5UK3	✔	✔	—	—	—
Hydraulic Bi-bloc	1ph	—	3 kW	—	WH-SDC0916M3E5	✔	✔	—	—	—
	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	WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,00/4,88	16,00/4,65	9,00/5,10	12,00/4,88	16,00/4,65
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,00/3,06	14,70/3,00	9,00/3,10	12,00/3,06	14,70/3,00
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	12,00/3,46	13,00/3,30	9,00/3,81	12,00/3,46	13,00/3,30
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	12,00/2,27	12,00/2,27	9,00/2,52	12,00/2,27	12,00/2,27
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,50/3,00	11,70/2,63	9,00/3,16	10,50/3,00	11,70/2,63
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	10,00/1,97	10,80/1,90	9,00/2,07	10,00/1,97	10,80/1,90
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	9,00/5,26	9,00/5,26	9,00/5,26	9,00/5,26
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,65/3,50(183/137)	4,58/3,58(180/140)	4,84/3,57(191/140)	4,65/3,58(183/140)	4,58/3,58(180/140)
	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 %)	6,20/4,34(245/171)	6,20/4,34(245/171)	6,01/4,17(237/164)	6,20/4,34(245/171)	6,20/4,34(245/171)
	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 %)	4,35/3,26(171/127)	4,30/3,26(169/127)	4,23/3,12(166/122)	4,35/3,26(171/127)	4,30/3,26(169/127)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A+	A++/A++	A++/A++
Sound power [2]	Heat	dB(A)	55	58	54	55	58
Dimension / Net weight	H x W x D	mm / kg	1520x1200x370/147	1520x1200x370/147	1520x1200x370/151	1520x1200x370/151	1520x1200x370/151
Pipe length range standard / maximum		m	5/30	5/30	5/30	5/30	5/30
Elevation difference (in / out)		m	30	30	30	30	30
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	34,4	45,9	25,8	34,4	45,9
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	1,58/0,00003	1,58/0,00003	1,58/0,00003	1,58/0,00003	1,58/0,00003
Operating range - outdoor ambient	Heat	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
	Cool	°C	+10~+43	+10~+43	+10~+43	+10~+43	+10~+43
Water outlet	Heat [4] / Cool	°C	25~75/5~20	25~75/5~20	25~75/5~20	25~75/5~20	25~75/5~20
Recommended fuse, supply [5]		A	32	32	20	20	20
Recommended minimum cable size, supply [5]		mm²	3x4,0	3x4,0	5x1,5	5x1,5	5x1,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). 3) WH-WDG models are hermetically sealed. 4) Water outlet up to 75 °C above -15 °C outdoor. Between outdoor ambient -15 °C and -25 °C, the water outlet temperature gradually decreases from 75 °C to 55 °C. 5) Check local regulations. **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.

A++ ERP 55 °C A+++ TO D

A+++ ERP 35 °C A+++ TO D

A+ DHW* A+ TO F

Included

Aquarea High Performance Hydraulic M Series indoor units. Single 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 for smart control via Comfort Cloud App / Optional integration into BMS.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™.
Flexibility: Backup heater included / Built-in 10 L expansion vessel / 30 m maximum height difference between indoor and outdoor.

Indoor unit		WH-ADC	0916M3E5UK1	0916M3E5UK2	0916M3E5UK3
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22
Dimension / Net weight	H x W x D	mm / kg	1293 x 599 x 602/73	1642 x 599 x 602/88	2036 x 599 x 602/105
Water pipe connector	Room / Shower	Inch	1¼/¾	1¼/¾	1¼/¾
Water volume		L	120	185	260
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1¼/1¼	1¼/1¼	1¼/1¼
Electric backup heater		kW	3,00	3,00	3,00
Recommended fuse, supply [1]		A	15/16	15/16	15/16
Recommended minimum cable size, supply [1]		mm²	3x1,5	3x1,5	3x1,5
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75	2x0,75

Domestic Hot Water energy efficiency

Indoor unit	WH-	ADC0916M3E5UK1		ADC0916M3E5UK2		ADC0916M3E5UK3	
Outdoor unit		**WH-WDG12ME5**	**WH-WDG16ME5**	**WH-WDG12ME5**	**WH-WDG16ME5**	**WH-WDG12ME5**	**WH-WDG16ME5**
Tapping profile according EN16147		M	M	L	L	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	A/A+/A
DHW tank ERP average climate ɳ / COPdHW	ɳwh%/COPdHW	100/2,51	96/2,40	120/3,00	115/2,87	124/3,10	114/2,85
DHW tank ERP warm climate ɳ / COPdHW	ɳwh%/COPdHW	104/2,60	101/2,51	134/3,35	134/3,35	134/3,35	134/3,35
DHW tank ERP cold climate ɳ / COPdHW	ɳwh%/COPdHW	73/1,82	70/1,75	88/2,20	84/2,10	94/2,35	84/2,10

Aquarea High Performance Hydraulic M Series indoor units. Single 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 for smart control via Comfort Cloud App / Optional integration into BMS.

A++ ERP 55 °C A+++ TO D

A+++ ERP 35 °C A+++ TO D

Included

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 / kg	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.

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-RTW2-1	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 1". 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

NEW

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

A++ ERP 55 °C A+++ TO D

A+++ ERP 35 °C A+++ TO D

Optional

NEW! 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 to -20 °C / 60 °C flow 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 Wi-Fi and BMS integration

			Single phase		
Outdoor unit			**WH-MDC05J3E5-1**	**WH-MDC07J3E5-1**	**WH-MDC09J3E5-1**
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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
PAW-A2W-AFVLV-1	1 antifreeze valve 1". 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

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

Comfort: Constant capacity at 55 °C down to -15 °C / Operating range to -28 °C / 60 °C flow temperature at -10 °C.
Flexibility: 599 x 602 footprint / Built-in magnetic water filter.
Energy efficiency: A+++ heating at 35 °C / A+ DHW / "A"-rated variable-speed pump / Stainless steel DHW tank with U-Vacua™ / Built-in flow meter.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Wi-Fi and BMS integration.

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

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW A+ TO F
Optional

			Single phase (power to indoor)	
Kit			**KIT-AXC09K6E5UK**	**KIT-AXC12K6E5UK**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,03	12,10/4,84
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,07	12,10/3,04
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,69	12,00/3,44
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,31	12,00/2,29
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,00	12,00/2,72
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,10	12,00/2,29
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80/3,11	10,70/2,68
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80/4,63	10,70/3,92
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)
	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)	6,47/4,34(256/171)
	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)	4,31/3,26(169/127)
	Energy class [1]	A+++ to D	A++/A++	A++/A++
Indoor unit			**WH-ADC0912K6E5UK1**	**WH-ADC0912K6E5UK1**
Sound pressure	Heat / Cool	dB(A)	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	101	101
Water pipe connector		Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed
	Input power	W	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4
Water volume		L	185	185
Maximum DHW temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Tapping profile according EN16147			L	L
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A/A+/A	A/A+/A
DHW tank ERP average climate η / COPdHW		ηwh %/COPdHW	112/2,80	112/2,80
DHW tank ERP warm climate η / COPdHW		ηwh %/COPdHW	132/3,30	132/3,30
DHW tank ERP cold climate η / COPdHW		ηwh %/COPdHW	88/2,20	88/2,20
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**
Sound power [3]	Heat	dB(A)	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320/88	1340 x 900 x 320/88
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60/1,080	1,60/1,080
Piping diameter	Liquid / Gas	Inch (mm)	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
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43
Water outlet [4]	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information			**WH-ADC0912K6E5**	**WH-ADC0912K6E5**
Electric backup heater		kW	6,00	6,00
Recommended fuse [5]		A	30/30	30/30
Recommended minimum cable size, supply 1 / 2 [5]		mm²	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) 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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
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 | -15°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

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

Comfort: Constant capacity at 55 °C down to -15 °C / Operating range to -28 °C / 60 °C flow temperature at -10 °C.
Flexibility: 599 x 602 footprint / Built-in magnetic water filter.
Energy efficiency: A+++ heating at 35 °C / A+ DHW / "A"-rated variable-speed pump / Stainless steel DHW tank with U-Vacua™ / Built-in flow meter.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Wi-Fi and BMS integration.

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW A+ TO F
Optional

			Single phase (power to indoor)	
Kit			**KIT-AXC09K6E53UK**	**KIT-AXC12K6E53UK**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00 / 5,03	12,10 / 4,84
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00 / 3,07	12,10 / 3,04
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00 / 3,69	12,00 / 3,44
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00 / 2,31	12,00 / 2,29
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00 / 3,00	12,00 / 2,72
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00 / 2,10	12,00 / 2,29
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	8,80 / 3,11	10,70 / 2,68
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	8,80 / 4,63	10,70 / 3,92
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)
	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)	6,47 / 4,34 (256 / 171)
	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)	4,31 / 3,26 (169 / 127)
	Energy class [1]	A+++ to D	A++ / A++	A++ / A++
Indoor unit			**WH-ADC0912K6E5UK3**	**WH-ADC0912K6E5UK3**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33
Dimension	H x W x D	mm	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	119	119
Water pipe connector		Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed
	Input power	W	145	145
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4
Water volume		L	260	260
Maximum DHW temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Tapping profile according EN16147			XL	XL
DHW tank ERP efficiency average / warm / cold [2]		A+ to F	A+ / A+ / A	A+ / A+ / A
DHW tank ERP average climate η / COPdHW		ηwh% / COPdHW	123 / 3,08	123 / 3,08
DHW tank ERP warm climate η / COPdHW		ηwh% / COPdHW	134 / 3,35	134 / 3,35
DHW tank ERP cold climate η / COPdHW		ηwh% / COPdHW	94 / 2,35	94 / 2,35
Outdoor unit			**WH-UXZ09KE5**	**WH-UXZ12KE5**
Sound power [3]	Heat	dB(A)	65	65
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 88	1340 x 900 x 320 / 88
Refrigerant (R32) / CO_2 Eq.		kg / T	1,60 / 1,080	1,60 / 1,080
Piping diameter	Liquid / Gas	Inch (mm)	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
Pre-charged pipe length / Additional gas amount		m / g/m	10 / 30	10 / 30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43
Water outlet [4]	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

Electrical information			**WH-ADC0912K6E53**	**WH-ADC0912K6E53**
Electric backup heater		kW	6,00	6,00
Recommended fuse [5]		A	30 / 30	30 / 30
Recommended minimum cable size, supply 1 / 2 [5]		mm²	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) 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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
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 | -15°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

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

Comfort: Constant capacity at 55 °C down to -15 °C / Operating range to -28 °C / 60 °C flow temperature at -10 °C.
Flexibility: Built-in magnetic water filter.
Energy efficiency: A+++ heating at 35 °C / "A"-rated variable-speed pump / Built-in flow meter.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Wi-Fi and BMS integration.

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A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
Optional

			Single phase (power to indoor)		Three phase (power to indoor)		
Kit 3 kW electric heater			**KIT-WXC09K3E5**	—	**KIT-WXC09K3E8**	—	—
Kit 9 kW electric heater			—	—	—	**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 9 kW electric heater			—	—	—	**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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
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 | -15°C CONSTANT HEATING T-CAP | DHW | -28 °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

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

Energy efficiency: A+++ heating at 35 °C / A+ DHW / COP up to 5,33 / DHW COP up to 3,50 / "A"-rated variable-speed pump / Stainless steel DHW tank with U-Vacua™.
Flexibility: 599 x 602 footprint / Built-in magnetic water filter.
Comfort: Operation without backup heater down to -25 °C / 60 °C flow temperature at -10 °C.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Wi-Fi and BMS integration.

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

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW A+ TO F
Optional

Single phase (power to indoor)

Kit 3 kW electric heater			KIT-ADC03K3E5UK	KIT-ADC05K3E5UK	KIT-ADC07K3E5UK	KIT-ADC09K3E5UK	—	—
Kit 6 kW electric heater			—	—	—	—	KIT-ADC12K6E5UK	KIT-ADC16K6E5UK
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-ADC0309K3E5UK	WH-ADC0309K3E5UK	WH-ADC0309K3E5UK	WH-ADC0309K3E5UK	—	—
Indoor unit 6 kW electric heater			—	—	—	—	WH-ADC0912K6E5UK	WH-ADC16K6E5UK
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(12,70)	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. *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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud

Accessories	
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
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

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

Energy efficiency: A+++ heating at 35 °C / COP up to 5,33 / "A"-rated variable-speed pump.
Flexibility: Built-in magnetic water filter.
Comfort: Operation without backup heater down to -25 °C / 60 °C flow temperature at -10 °C.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Wi-Fi and BMS integration.

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

A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
Optional

Single phase (power to indoor)

Kit 3 kW electric heater			KIT-WC03K3E5	KIT-WC05K3E5	KIT-WC07K3E5	KIT-WC09K3E5	—	—
Kit 6 kW electric heater			—	—	—	—	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-**	—	—	—	—	**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(12,70)	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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
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

Check all our certified heat pumps on:
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A++ ERP 55 °C A+++ TO D

A+++ ERP 35 °C A+++ TO D

Optional

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

Energy efficiency: A+++ heating at 35 °C / "A"-rated variable-speed pump.
Flexibility: Built-in magnetic water filter.
Comfort: Operation without backup heater down to -25 °C / 60 °C flow temperature at -10 °C.
Control: Optimised user interface and improved features (2 zone control, bivalent control).
Connectivity: Optional Wi-Fi and BMS integration.

			Three phase (power to indoor)		
Kit 3 kW electric heater			**KIT-WC09K3E8**	**—**	**—**
Kit 9 kW electric heater			**—**	**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-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-TAW1B	Optional Wi-Fi or WLAN adapter for smart control via Comfort Cloud App and/or remote maintenance via Aquarea Service Cloud
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B
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 | 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

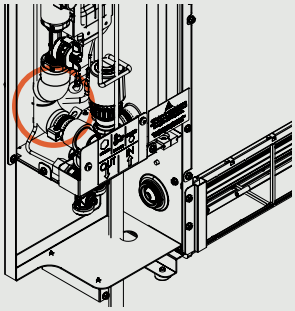
Aquarea Loop: Efficient radiator retrofit for centralised heating with integrated cooling

The Aquarea Loop is a decentralised water-to-air heat pump using natural refrigerant R290, designed to replace radiators in centralised heating systems.

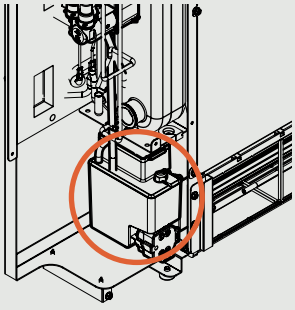
Ideal for multi-family buildings, social housing, hotels, schools, offices, ...

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 – only 140 mm depth
· DC Inverter compressor with natural refrigerant R290
· Simultaneous heating and cooling capability
· Low temperature water loop (20 - 30 °C) all year round
· Use of existing piping for renovations*
· Integrated unit-level energy metering

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

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 / Cooling	L/min	3,7 / 4,5	7,7 / 5,2	12,0 / 9,0
Nominal pressure drop	Heating / Cooling	kPa	6,80 / 4,80	11,20 / 5,40	12,50 / 7,50
Nominal pressure drop with flow control valve	Heating / Cooling	kPa	7,80 / 5,40	14,20 / 6,70	20,50 / 11,80
Refrigerant (R290)		kg	0,10	0,14	0,15
Dimension and weight					
Dimension / Net weight	H x W x D	mm / kg	641 x 775 x 144 / 135	641 x 975 x 144 / 140	641 x 1225 x 144 / 145
Operating range and water outlet					
Operating range - indoor air	Heating / Cooling	°C	5 ~ 27 / 18 ~ 35	5 ~ 27 / 18 ~ 35	5 ~ 27 / 18 ~ 35
Water outlet	Heating / Cooling	°C	10 ~ 45 / 15 ~ 50	10 ~ 45 / 15 ~ 50	10 ~ 45 / 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.

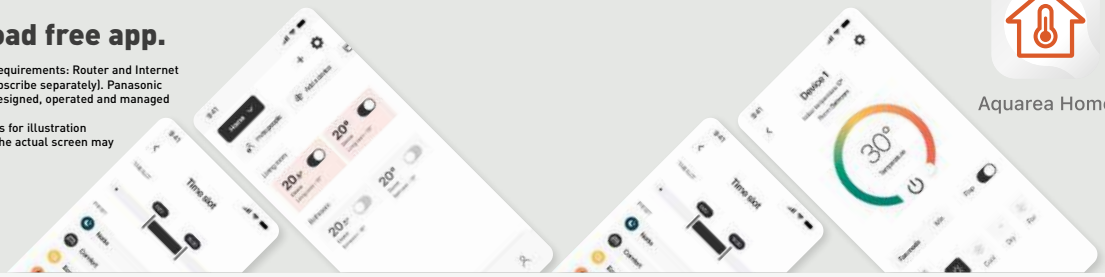
Aquarea Loop with on-board display				
Hydraulic configuration	Without valves	**P-CWSL10SC5-HCE**	**P-CWSL20SC5-HCE**	**P-CWSL30SC5-HCE**
	Without valves + injection kit	**P-CWSL10SC5-HFE**	**P-CWSL20SC5-HFE**	**P-CWSL30SC5-HFE**
	2 and 3 way valve with modulation	**P-CWSL10SC5-HBE**	**P-CWSL20SC5-HBE**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

Download free app.

Other hardware requirements: Router and Internet (purchase and subscribe separately). Panasonic Cloud Server is designed, operated and managed by Panasonic.
*The app screen is for illustration purposes only. The actual screen may differ.



Aquarea Home

Aquarea Air Smart fan coils

MORE FAN COIL OPTIONS IN FAN COIL UNITS SECTION

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

AC SELECT.

Smart and user-friendly selection tool.

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

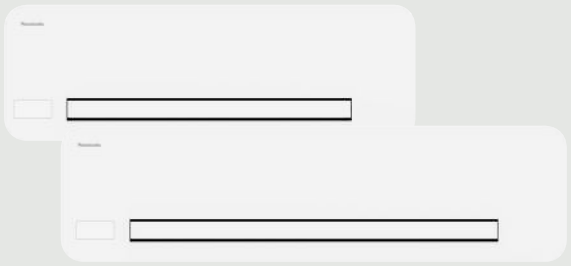
Aquarea Air Smart fan coils have a minimal visual impact and can be elegantly integrated into any home or office environment, adapting to any type of furniture.

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

- **SLIM, SOPHISTICATED DESIGN WITH METAL CASING**
- **SELF-MODULATING AIRFLOW (PI LOGIC) AND DC INVERTER FAN MOTOR**
- **WIDE RANGE WITH MULTIPLE CONFIGURATION OPTIONS**
- **ADVANCED CONTROL AND CONNECTIVITY OPTIONS**

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

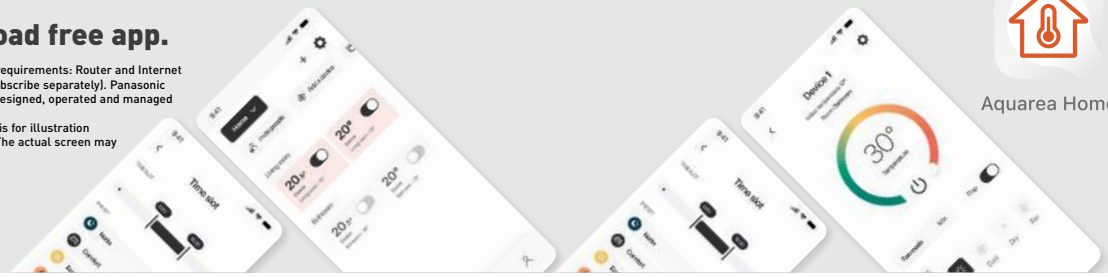
Self-modulated air flow control by the unit.

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

Aquarea Home App

Download free app.

Other hardware requirements: Router and Internet (purchase and subscribe separately). Panasonic Cloud Server is designed, operated and managed by Panasonic.
*The app screen is for illustration purposes only. The actual screen may differ.



Aquarea Home

Aquarea Air Smart fan coil – Floor standing

Slim chassis profile, only 129 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)

Optional

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	579 x 680 x 129 / 17	579 x 880 x 129 / 20	579 x 1080 x 129 / 23	579 x 1280 x 129 / 26	579 x 1480 x 129 / 29

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**

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-FAL35		**PCZ-GB0523**
	For P-FAL40		**PCZ-GB0524**

Accessories and options	
PCZ-LC0158	Set of 2 legs to protect water pipes

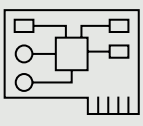
Accessories and options	
PCZ-LC0606	Set of 2 legs to anchor the unit to the floor

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



Optional

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		m³/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

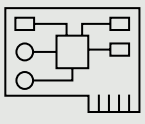
Valve kits (optional)	
PCZ-V20687	2 way valve with motor for models 10, 15, 20
PCZ-V20139	2 way valve with motor for model 40

Control options.

On-board display with Modbus.

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 115 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 air flow control.

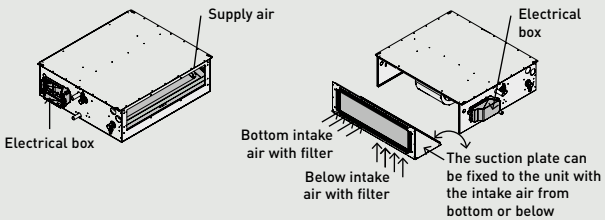
Ducted thin, designed to fit any space

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.

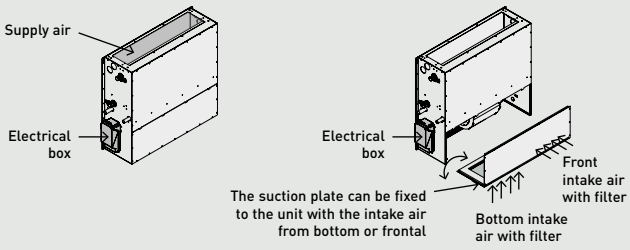
Ducted thin

High installation flexibility.

Horizontal installation.



Vertical installation.



Technical performance

			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

Valve kits (optional)	
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 118 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.

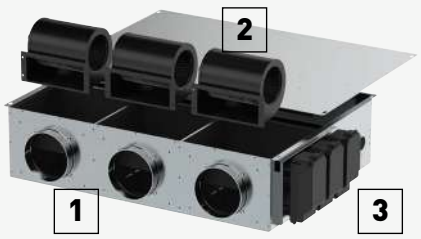
Example:
3 air outlets for 3 independent zones.

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.

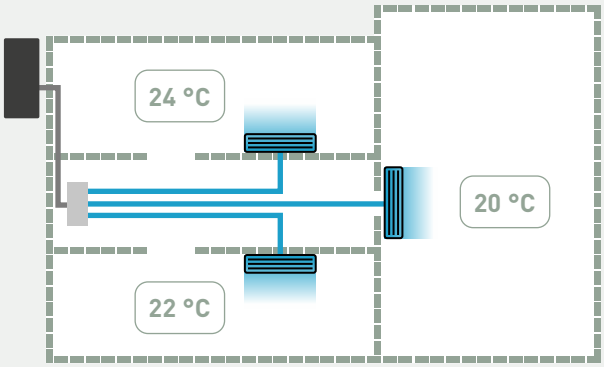


1 | **Air supply plate.**
Built-in air supply plate, number of outlets depending on unit size.

- 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 performance

			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		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

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

Flex Air Smart fan coil – Wall-mounted 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

nanoe™ X as a standard.

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

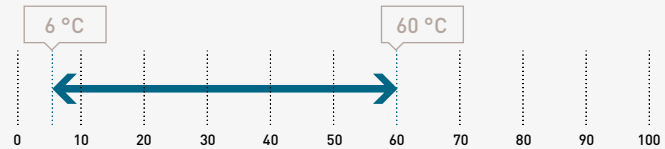
Optional controller. Infrared remote controller for wall-mounted.
CZ-RWS3

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

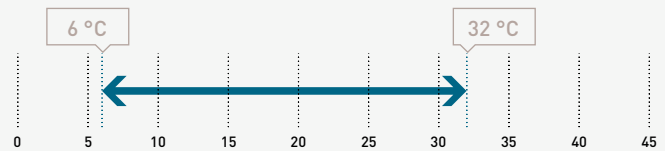
SEE PAGE 572 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



Maximum operating pressure: 10 bar.

The range at a glance

- Versions (2-pipes): with and without 3 way valve
- 6 sizes
- DC fan for better efficiency and control
- Air flow from 360 to 1045 m³/h
- nanoe™ X technology to improve protection 24/7
- G1 cleanable air filter
- S-Link available - compatible with Panasonic controllers

Advantages

- Ideal for commercial and residential applications in combination with Aquarea Heat Pumps
- Modern stylish design with flat face and compact size
- Inner and outer motorized louvers with five-step positions
- Six directional piping outlet to adapt to different installations
- nanoe™ X (Generator Mark 3: 48 trillion hydroxyl radicals/sec) 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

Accessories supplied loose
CZ-RWS3 – infrared remote controller
CZ-RTC5B – wired remote controller with Econavi function
CZ-RTC6W – CONEX wired remote controller (non-wireless), white
CZ-RTC6WBL – CONEX wired remote controller with Bluetooth®, white
CZ-RTC6WBLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, white
CZ-RTC6 – CONEX wired remote controller (non-wireless), black
CZ-RTC6BL – CONEX wired remote controller with Bluetooth®, black
CZ-RTC6BLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, black
CZ-CENSC1 – Econavi energy saving sensor
PAW-FC-903EC – wired remote controller
CZ-64ESMC3 – system controller for 64 indoor units
CZ-256ESMC3 – centralised controls up to 256 indoor units
CZ-ANC3 – central ON / OFF controller, up to 16 groups, 64 indoor units

Technical performance

Flex Air Smart fan coil – Wall-mounted DC fan - FK1	Standard model		S-19FK1E0	S-24FK1E0	S-27FK1E0	S-36FK1E0	S-45FK1E0	S-52FK1E0
	With 3 way valve		S-19FK1E	S-24FK1E	S-27FK1E	S-36FK1E	S-45FK1E	S-52FK1E
Fan speed [1]			Min / Med / Max	Min / Med / Max	Min / Med / Max	Min / Med / Max	Min / Med / Max	Min / Med / Max
2-pipes								
Total cooling capacity [2]		kW	1,40 / 1,65 / 1,90	1,92 / 2,17 / 2,41	2,02 / 2,51 / 2,73	2,65 / 3,11 / 3,61	3,02 / 3,78 / 4,50	4,03 / 4,63 / 5,23
Sensible capacity [2]		kW	1,10 / 1,35 / 1,54	1,50 / 1,71 / 1,91	1,59 / 2,00 / 2,19	2,12 / 2,52 / 2,98	2,25 / 2,84 / 3,41	3,04 / 3,51 / 4,02
Water flow [2]		l/h	250 / 295 / 342	344 / 389 / 432	362 / 449 / 489	473 / 556 / 648	539 / 680 / 809	724 / 830 / 908
Water pressure drop (coil only)		kPa	4 / 6 / 8	8 / 11 / 13	9 / 14 / 17	16 / 22 / 30	19 / 30 / 42	34 / 44 / 56
Water pressure drop (with 3 way valve) [2]		kPa	18 / 23 / 29	25 / 29 / 36	26 / 39 / 44	42 / 57 / 74	53 / 80 / 110	90 / 112 / 142
Air flow [2]		m^3/h	230 / 276 / 345	324 / 361 / 416	343 / 434 / 480	462 / 572 / 710	488 / 603 / 753	637 / 753 / 879
Input power [2]		W	10 / 11 / 12	12 / 12 / 14	12 / 14 / 16	15 / 19 / 26	13 / 17 / 22	18 / 23 / 29
Sound pressure Lp [2] [3]		dB(A)	27	26	29	39	35	40
Sound power Lw [2]		dB(A)	40	39	42	49	47	52
Heating capacity [4]		kW	1,59 / 1,92 / 2,23	1,97 / 2,39 / 2,72	2,18 / 2,64 / 3,01	2,89 / 3,48 / 4,03	3,09 / 4,21 / 5,13	4,03 / 4,72 / 5,33
Water flow [4]		l/h	281 / 329 / 381	339 / 417 / 481	379 / 463 / 533	508 / 614 / 715	544 / 740 / 898	710 / 827 / 931
Water pressure drop (coil only)		kPa	5 / 8 / 10	8 / 12 / 16	10 / 15 / 20	18 / 27 / 36	19 / 36 / 52	33 / 44 / 56
Water pressure drop (with 3 way valve) [4]		kPa	18 / 24 / 30	23 / 31 / 39	25 / 36 / 47	42 / 60 / 72	46 / 82 / 118	74 / 97 / 128
Air flow [4]		m^3/h	253 / 314 / 406	343 / 425 / 489	379 / 471 / 545	517 / 646 / 765	511 / 730 / 925	672 / 810 / 960
Input power [4]		W	10 / 12 / 13	12 / 14 / 15	13 / 15 / 17	16 / 21 / 28	14 / 21 / 32	19 / 26 / 35
Sound pressure Lp [3] [4]		dB(A)	24 / 27 / 29	22 / 26 / 29	23 / 28 / 32	30 / 36 / 41	28 / 36 / 42	34 / 39 / 43
Sound power Lw [4]		dB(A)	37 / 40 / 43	37 / 39 / 42	38 / 42 / 45	44 / 49 / 55	42 / 47 / 51	48 / 52 / 56
Water connections								
Connection type			Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas threaded	Female gas 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
Dimension 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 [5]

Flex Air Smart fan coil – Wall-mounted DC fan - FK1								
2-pipes	**FCEER** [2]	**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 [4]	**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) Fan standard factory set speeds. 2) According to Eurovent standard. Air: 27 °C DB/19 °C WB, chilled water: 7 °C/12 °C. 3) 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. 4) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C. 5) According to Eurovent.

Flex Air Smart fan coil – Wall-mounted.

Great flexibility and improved air quality for your projects.

Flex Air Smart fan coil – Wall-mounted unit is the first Panasonic water fan coil integrated with nanoe™ X technology for improved air quality and compatible with individual and centralised PACi NX/VRF controls.

nanoe™ X

COMPATIBILITY WITH PACi NX/VRF CONTROLS

QUIET OPERATION

STYLISH DESIGN

MOTORIZED LOUVERS

COMPACT FOOTPRINT

ErP

SUPER QUIET

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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

The range belong to fan coil commercial policy.

NEW! Flex Air Smart fan coil – Medium static pressure duct DC fan – FF1

Fan coil medium static pressure ductable units with nanoe™ X (Mark 3).
Cooling capacity: 2,3 to 9,3 kW.
Heating capacity: 2,7 to 9,8 kW.

NEW

Optional controller. CONEX Series, white or black.
CZ-RTC6W/BL/BLW2 or
CZ-RTC6/BL/BLW2

Optional controller. Infrared remote controller for wall-mounted.
CZ-RWS3

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

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

Optional controller. SRC - mini BMS controller.

SEE PAGE 572 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

The range at a glance

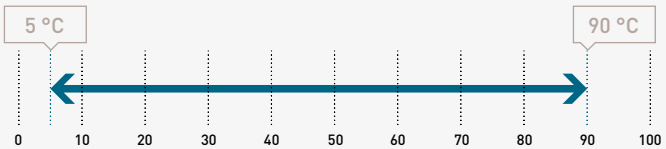
- Versions: 2-pipe and 4-pipe
- 7 sizes
- DC fan for better efficiency and control
- Air flow from 590 to 1500 m³/h
- External static pressure: 120 Pa
- nanoe™ X technology to improve protection 24/7
- S-Link available - compatible with Panasonic controllers

Advantages

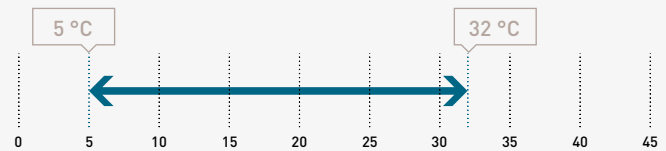
- Ideal for commercial and residential applications with a low height for all sizes
- nanoe™ X (Generator Mark 3: 48 trillion hydroxyl radicals/sec) as standard for better indoor air quality
- Efficiency class: A in cooling and heating modes for all sizes
- Flexible hydraulic connection right/left and right electrical connection
- Air return and discharge configuration: In line (I) or from the same side (U)
- Different aeraulic plenum configurations: rectangular or Circular Ø200 mm
- Compatibility with a wide range of controllers
- G1 cleanable synthetic-type air filter
- Very easy servicing

Operating limits

Entering water temperature (without glycol).



Indoor air temperature.



AC SELECT.

Smart and user-friendly selection tool.

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

Technical performance

Flex Air Smart fan coil*			S-23FF1E	S-28FF1E	S-40FF1E	S-50FF1E	S-70FF1E	S-80FF1E	S-93FF1E
Fan speed [1]			**Max**	**Max**	**Max**	**Max**	**Max**	**Max**	**Max**
2-pipes									
Total cooling capacity [2]		kW	2,30	2,80	4,00	5,00	7,00	8,00	9,30
Heating capacity [3]		kW	2,70	3,30	4,20	5,20	7,50	8,30	9,80
4-pipes									
Total cooling capacity [2]		kW	2,14	2,71	3,74	4,75	6,87	7,31	8,71
Heating capacity [4]		kW	4,95	5,96	5,16	7,10	8,56	10,16	11,36
Ventilation									
Air flow [5]	2-pipes	m³/h	590	680	576	980	1230	1180	1500
	4-pipes	m³/h	420	600	460	780	1110	1110	1360
External static pressure		Pa	120	120	120	120	120	120	120
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
Water connections		Inch	1/2	1/2	1/2	3/4	3/4	3/4	3/4
Dimension and weight									
Dimension	H x W x D	mm	250 x 800 x 730	250 x 800 x 730	250 x 800 x 730	250 x 1000 x 730	250 x 1000 x 730	250 x 1400 x 730	250 x 1400 x 730
Weight		kg	26	26	33	33	33	47	47

Tentative data

Energy efficiency class [6]

Flex Air Smart fan coil									
2-pipes	**FCEER**	**A to E**	**A**	**A**	**A**	**A**	**A**	**A**	**A**
	FCCOP	**A to E**	**A**	**A**	**A**	**A**	**A**	**A**	**A**
4-pipes	**FCEER**	**A to E**	**A**	**A**	**A**	**A**	**A**	**A**	**A**
	FCCOP	**A to E**	**A**	**A**	**A**	**A**	**A**	**A**	**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) According to Eurovent standard. Air: 20 °C, hot water: 45 °C/40 °C.
4) According to Eurovent standard. Air: 20 °C, hot water: 65 °C/55 °C. 5) According to Eurovent 6/10 (air flow test method) and 8/12 (sound test method). 6) According to Eurovent. *Available in Summer 2026.

Accessories and options
2W or 3W – 2 way or 3 way valves
CB – Circuit breakers
PUMP – Drain pump
EH – Electric heaters (from 500 W to 2500 W)
Fresh air intake Ø 100 mm
FH – Fuse holder

Accessories and options
G2 / G3 / G4 filters
Other speeds configuration (standard factory set speeds in technical table)
Many air inlet/outlet configurations
HL/ER – Hydraulic left – electric right
HR/ER – Hydraulic right – electric right

Tentative data

Accessories supplied loose
SRC – Smart remote control – Mini building management system (only with Modbus RTU)
CZ-RTC6W – CONEX wired remote controller (non-wireless), white
CZ-RTC6WBL – CONEX wired remote controller with Bluetooth®, white
CZ-RTC6WBLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, white
CZ-RTC6 – CONEX wired remote controller (non-wireless), black

Accessories supplied loose
CZ-RTC6BL – CONEX wired remote controller with Bluetooth®, black
CZ-RTC6BLW2 – CONEX wired remote controller with Wi-Fi and Bluetooth®, black
CZ-RWS3 + CZ-RWRC3 – Infrared remote controller and receiver
PAW-FC-907EC – Wired remote controller with touch control
PAW-FC-903EC – Wired remote controller
KIT REMOTE SENSOR – Remote sensor for ducted unit

Tentative data

The range belong to fan coil commercial policy.

Flex Air 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

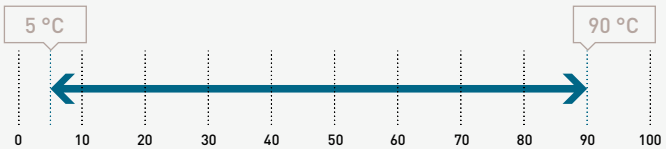
Optional controller.
Wired remote controller.
PAW-FC-903AC

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

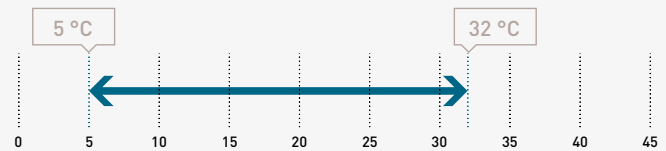
SEE PAGE 572 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

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
2W or 3W – 2 way or 3 way valves
4-pipes kit (additional coil)
CB – Circuit breakers
PUMP – Drain pump
EH – Electric heaters (from 500 W to 2500 W)
FC/FCG – Feet with/without grid
FH – Fuse holders
G3 filter
DG – Horizontal or vertical drain guard (with valve)
Many air inlet/outlet configurations
C/O – Electromechanical sensor for automatic changeover

AC SELECT.

Smart and user-friendly selection tool.

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

Technical performance

Flex Air fan coil – Comfort AC fan			P-FC10	P-FC20	P-FC30	P-FC40	P-FC50	P-FC60	P-FC70
Fan speed [1]			**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**	**Min / Med / Max**
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	17,0/21,5/35,2	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	43/47/51	34/43/56	38/51/58	43/56/61
	4-pipes	dB(A)	33/40/49	31/43/50	30/45/52	33/44/51	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	270/311/417	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]

Flex Air 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.

Accessories supplied loose
KIT Plogic – Kit Plogic control board
KIT BRC – Kit basic remote control (only with Plogic control board)
KIT WRC – Kit wall-mounted remote control LCD (only with Plogic control board)
KIT MB2 – Kit Plogic Modbus board
Other speeds configuration (standard factory set speeds in technical table)
SRC – Smart remote control – Mini building management system (only with Modbus RTU)
Suspension kit
TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

Accessories supplied loose
TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed
TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)
TCPOD WHITE (BLACK) 2P+EH – Kit controller, Modbus, HMI-integrated, 2-pipe+ electrical heater, EC fan speed, white (black)
PAW-FC-907AC – Wired remote controller with touch control
PAW-FC-903AC – Wired remote controller
PAW-FC-RC1 – Advanced wired remote controller

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

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

The range belong to fan coil commercial policy.

Flex Air 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.

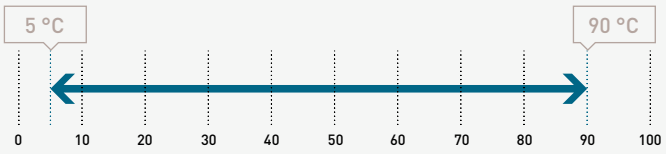
Optional controller.
Wired remote controller with touch control.
PAW-FC-907EC

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

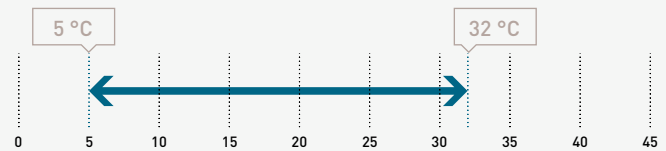
SEE PAGE 572 FOR MORE DETAILS ABOUT FAN COIL CONTROLLERS

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
2W or 3W – 2 way or 3 way valves
4-pipes kit (additional coil)
CB – Circuit breakers
PUMP – Drain pump
EH – Electric heaters (from 500 W to 2500 W)
FC/FCG – Feet with/without grid
FH – Fuse holders
G3 filter
DG – Horizontal or vertical drain guard (with valve)
Many air inlet/outlet configurations
C/O – Electromechanical sensor for automatic changeover

AC SELECT.

Smart and user-friendly selection tool.

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

Technical performance

Flex Air fan coil – Comfort EC fan			P-FC10	P-FC20	P-FC30	P-FC40	P-FC50	P-FC60	P-FC70	P-FC80
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**
2-pipes										
Total cooling capacity [2]		kW	0,59/1,16/1,96	0,48/0,84/1,31	0,67/1,41/1,83	1,34/2,93/4,19	1,15/2,59/3,41	1,98/4,45/5,24	2,30/4,29/5,91	4,59/6,13/8,36
Sensible capacity [2]		kW	0,48/1,00/1,76	0,36/0,65/1,03	0,47/1,04/1,34	0,95/2,10/3,00	0,79/1,72/2,25	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	14,1/21,4/37,6
Heating capacity [4]		kW	0,67/1,30/2,31	0,68/1,04/2,52	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	4,21/5,80/8,43
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	14,4/23,1/45,6
4-pipes										
Total cooling capacity [2]		kW	0,40/0,64/1,41	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	0,30/0,51/1,24	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	68,9/109/243	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	5,2/10,5/40,1	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	45/57/59	51/56/64
	4-pipes	dB(A)	34/43/54	34/47/60	31/50/59	29/44/56	32/51/57	32/54/58	46/57/64	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)	25/34/45	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		20/29/40	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	98/134/227	119/257/345	170/412/678	203/577/816	245/737/912	350/641/894	500/680/1063
	4-pipes	m^3/h	76/110/226	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	12/35/77	23/42/108
	4-pipes	W	5/7/17	7/13/40	6/14/40	2/11/39	4/23/44	4/28/52	13/37/84	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]

Flex Air fan coil – Comfort EC fan										
2-pipes	**FCEER**	**A to E**	**C**	**D**	**B**	**A**	**A**	**A**	**B**	**B**
	FCCOP	**A to E**	**D**	**D**	**C**	**B**	**A**	**B**	**B**	**C**
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.

Accessories supplied loose
KIT Plogic – Kit Plogic control board
KIT BRC – Kit basic remote control (only with Plogic control board)
KIT WRC – Kit wall-mounted remote control LCD (only with Plogic control board)
KIT MB2 – Kit Plogic Modbus board
Other speeds configuration (standard factory set speeds in technical table)
SRC – Smart remote control – Mini building management system (only with Modbus RTU)
Suspension kit
TCEASY 2P/4P – Kit controller, HMI-integrated, 2-pipe, 4-pipe, AC fan speed

Accessories supplied loose
TCEASY 2P+C/O – Kit controller, HMI-integrated, 2-pipe + changeover, AC fan speed
TCPOD WHITE (BLACK) 2P/4P – Kit controller, Modbus, HMI-integrated, 2-pipe, 4-pipe, EC fan speed, white (black)
TCPOD WHITE (BLACK) 2P+EH – Kit controller, Modbus, HMI-integrated, 2-pipe+ electrical heater, EC fan speed, white (black)
PAW-FC-907AC/EC – Wired remote controller with touch control
PAW-FC-903AC/EC – Wired remote controller
PAW-FC-RC1 – Advanced wired remote controller

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.

Storage tanks for heating and DHW

NEW

Buffer tanks

Model		PAW-BTANK50L-2	PAW-BTANK100L	PAW-BTANKG200L	PAW-BTANKG260L	PAW-BC50FAE	PAW-BC80FAE	PAW-BC100FAE
Water volume	L	48	100	194	252	500	800	1000
Energy losses	W							
Energy efficiency class (from A+ to F)		**B**	**B**	**B**	**C**	**C**	**C**	**C**
Material		Stainless steel	Stainless steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Electric heater	kW	—	—	—	—	Optional PAW-HT9F24AE8	Optional PAW-HT9F24AE8	Optional PAW-HT9F24AE8
Jacket		Included	Included	Included	Included	Included	PAW-JKBC80FAE	PAW-JKBC100FAE
Dimension (Height / Diameter)	mm	636 / 430	1175 / 430	983 / 620	1239 / 620	1725 / 650	1785 / 790	2135 / 790
Net weight	kg	13	22	41	46	85	107	132

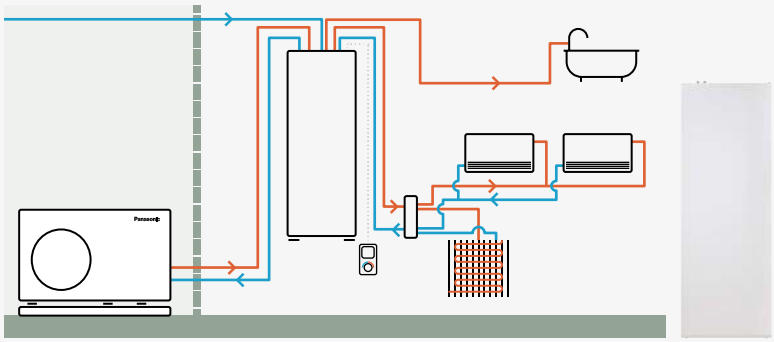
*Automatic air vent and drain cock are included. Built-in pocket sensor (sensor not included). **50 and 100 L Buffer Tanks are produced by OSO. 200 and 260 L Buffer Tanks are produced by Lapesa. 500, 800 and 1000 L Buffer Tanks are produced by Austria Email.

Accessories	
PAW-HT9F24AE8	Adjustable 3 phase electric heater D240 mm. Selectable output: 9,00 / 7,50 / 6,00 kW. Compatible with PAW-TE75H1AEAN, PAW-TE90H1AEAN, PAW-BC50FAE, PAW-BC80FAE and PAW-BC100FAE

Accessories	
PAW-JKBC80FAE	Jacket for 800 L buffer tank (PAW-BC80FAE)
PAW-JKBC100FAE	Jacket for 1000 L buffer tank (PAW-BC100FAE)

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
Energy efficiency class (from A+ to F) [1]		**B**	**B**	**B**	**A**
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	—
Electric heater	W	3000	—	2800	—
Energy loss at 65 °C [2]	kWh/24h	1,3	—	1,25	—
Standing loss	W	53	46	52	29

1) EU Regulation 812/2013. 2) Tested pursuant to EN 12897:2006. *Enamelled Combo tank is produced by Lapesa. Stainless steel Combo tank is produced by OSO.

Stainless steel DHW tanks

· Optional 3 way valve accessory
· 20 m temperature sensor cable included
· 2 Years warranty
· No maintenance required

Model		PAW-TD20C1E5-1	PAW-TD30C1E5-1	PAW-TD30C1E5HI-1
Water volume	L	192	284	280
Maximum water temperature	°C	75	75	75
Energy losses	W	42	49	49
Energy efficiency class (from A+ to F)		**A**	**A**	**A**
Material		Stainless steel	Stainless steel	Stainless steel
Electric heater	kW	1,5	1,5	1,5
Dimension (Height / Diameter)	mm	1270/595	1750/595	1750 / 595
Weight / filled with water	kg	50/—	61/—	65 / —
Power supply	V	230	230	230
Exchange surface	m²	1,8	1,8	2,35
Energy loss at 65 °C [1]	kWh/24h	1,01	1,18	1,18

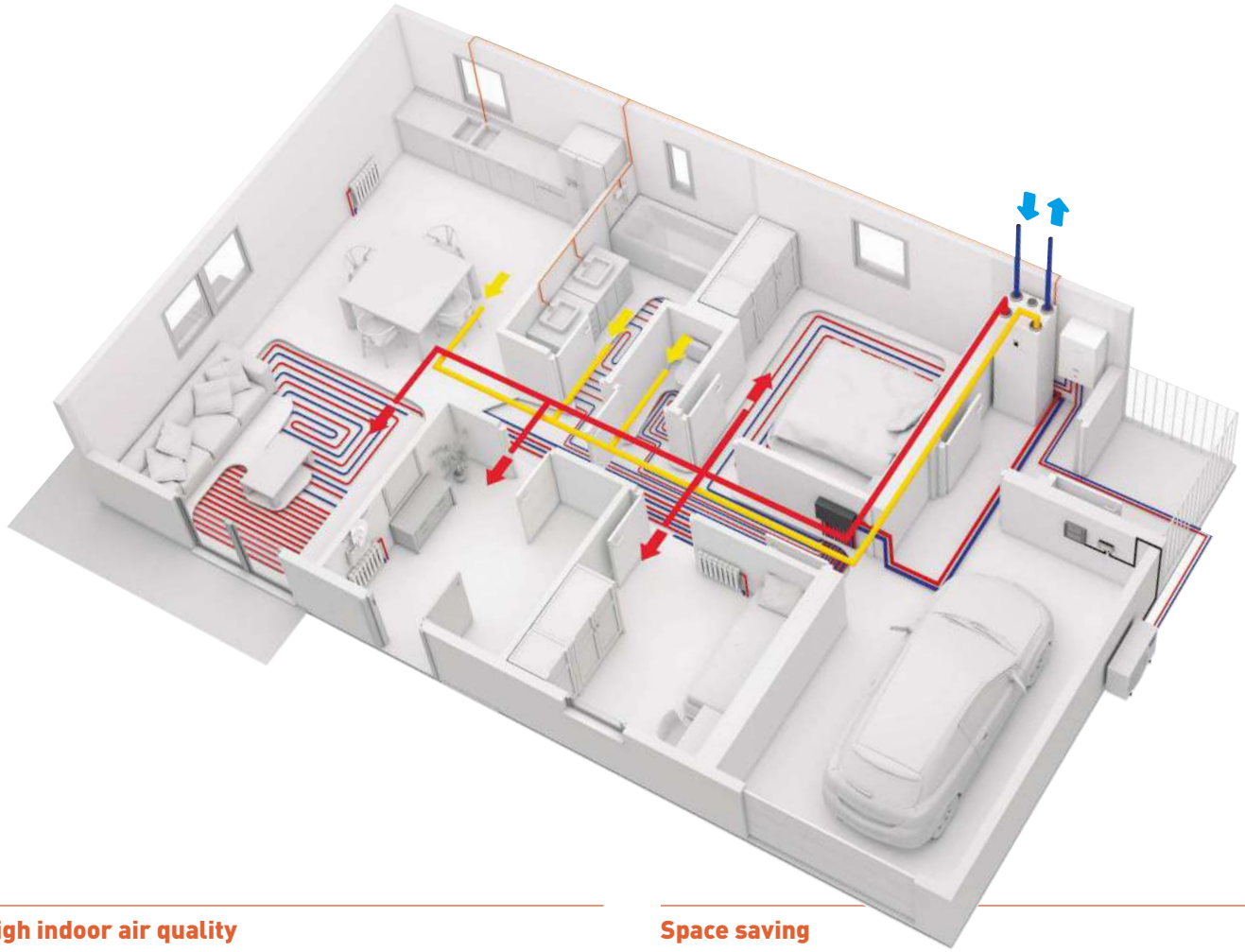
1) Insulated tested under EN12897. *Stainless steel tanks are produced by OSO.

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	
CZ-NV3	3 way valve kit to fit inside the hydrokit. M Series
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.

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.

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.

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.

*The unit can be mounted on a All in One indoor unit (K, L or M Series) or installed on the wall (PAW-VEN-WBRK is needed).

PAW-A2W-VENTA-R

PAW-A2W-VENTA-L

Heat recovery ventilation unit

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)

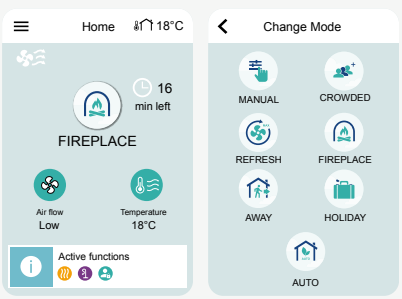
Main features of the residential ventilation unit

- 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, PAW-AW-MBS-M, CZ-NSMB-C or CZ-NSMB) and PAW-VEN-ACCPCB required

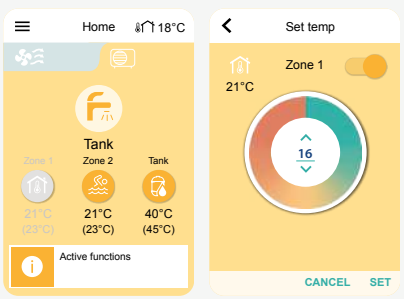
Control user-friendly interface

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.

Vent PRO.

Access the tool via the 'Tools' section in the Panasonic Pro Club (www.panasonicproclub.com).

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.

Universal mounting.

Horizontal mounting.

Vertical mounting.

Aquarea Vent - Counter flow ventilation units

cool, temperate climate
CERTIFIED COMPONENT
Passive House Institute

REFER TO PAGE 123 FOR THE COMPLETE LIST OF FILTERS AND ACCESSORIES FOR AIR DISTRIBUTION AND DIFFUSION SYSTEMS

			Universal mounting			Horizontal mounting				Vertical mounting			
P-VEN			**15XQAZE5**	**20XQAZE5**	**30XQAZE5**	**15XQAHE5**	**30XQAHE5**	**35XQAHE5**	**45XQAHE5**	**15XQAVE5**	**30XQAVE5**	**40XQAVE5**	**45XQAVE5**
Air flow	Nominal / Max	m³/h	91/130	147/210	224/ 320	109/155	210/300	238/340	288/455	112/170	210/300	266/380	315/450
Static pressure	Nominal / Max	Pa	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100	50/100
Recovery efficiency		%	87	85	85	86	85	89	88	86	86	87	86
Energy class			A	A	A	A	A	A	A	A	A	A	A
Power supply	Voltage	V	230	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	Single phase
	Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50
Power consumption	Nominal	W	80	140	180	110	180	350	420	110	180	350	420
Sound power	LWA	dB(A)	48	51	52	49	50	52	56	48	50	51	54
Dimension	H x W x D	mm	255 x 580 x 580	255 x 580 x 580	255 x 580 x 580	260 x 480 x 800	295 x 600 x 795	290 x 650 x 1150	290 x 1150 x 1150	510 x 430 x 625	590 x 575 x 785	590 x 735 x 785	590 x 785 x 735
Net weight		kg	19	19	19	25	30	38	40	32	38	42	43
Filter class			ePM1 80%	ePM1 80%	ePM1 80%	ePM1 80%	ePM1 70%	ePM1 70%	ePM1 70%	ePM1 80%	ePM1 70%	ePM1 70%	ePM1 70%
Duct connection		mm	160	160	160	160	160	160	160	160	160	160	160

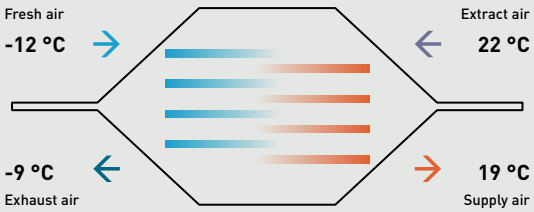
HIGH-EFFICIENCY SENSIBLE HEAT RECOVERY

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.

Control options (required, to be ordered separately).

Wall-mounted control with Modbus.
PCZ-AHRP0025

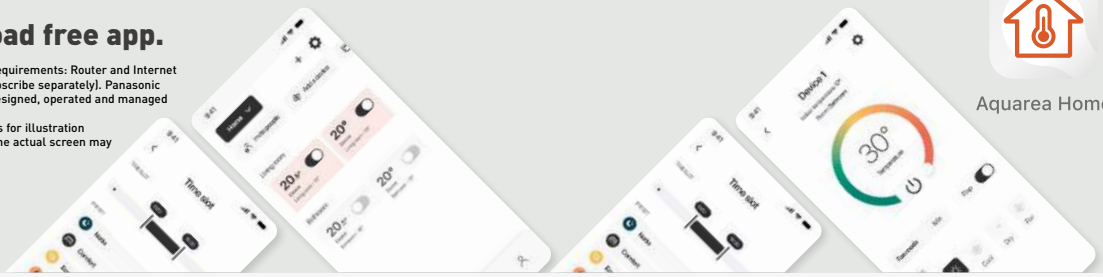
Wall-mounted control with integrated Wi-Fi for remote control via the Aquarea Home App.
PCZ-AHRP0026

- 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

Aquarea Home App

Download free app.

Other hardware requirements: Router and Internet (purchase and subscribe separately). Panasonic Cloud Server is designed, operated and managed by Panasonic.
*The app screen is for illustration purposes only. The actual screen may differ.



Aquarea Home

Download on the App Store

GET IT ON Google Play

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-RTW2-1

Cover for the remote control compartment of the indoor unit. K Series onwards.

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

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-THPOXE

tado° Heat Pump Optimizer X extension cable (10m).

PAW-THPO-CBL

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

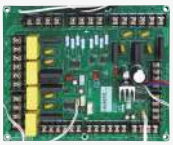
tado° Bridge X.

PAW-TBX

NEW! tado° X Wireless receiver.

PAW-TWRXE

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

Connectivity

Optional Wi-Fi or WLAN adapter for Panasonic Comfort Cloud app and Aquarea Service Cloud.

CZ-TAW1B

10 m extension cable for CZ-TAW1B.

CZ-TAW1-CBL

Modbus RTU PCB for Aquarea M Series. For installation inside control module or Bi-bloc and All in One using installation kit CZ-NSMB-MTPL.

CZ-NSMB

NEW! Modbus PCB installation kit for Bi-bloc and All in One.

CZ-NSMB-MTPL

NEW! Panasonic Modbus RTU gateway with plastic case, compatible with all Aquarea Series.

CZ-NSMB-C

Modbus RTU gateway. 12 V DC power supply, compatible with Aquarea H Series onwards.

PAW-AZAW-MBS-M

Aquarea Home Network Hub for remote control via the Aquarea Home App.

PCZ-ESW737

External meter gateway for K Series onwards.

PAW-A2W-EXTMETER

NEW! DIN rail-mounted Modbus RTU gateway. Powered via CN-CNT, compatible with Aquarea H Series onwards.

PAW-AW-MBS-M

KNX interface for H Series onwards (Airzone).

PAW-AZAW-KNX-1

KNX interface for H Series onwards (Intesis).

PAW-AW-KNX-H

NEW! EEBUS gateway for H Series onwards.

PAW-AZAW-EEBUS-1

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

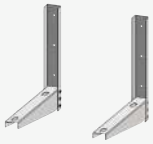
Buffer tank sensor (for H and J Series, PAW-A2W-TSHC required if optional PCB is used.

———
PAW-A2W-TSBU

In-line heater sensor for the control module M Series.

———
PAW-A2W-TSBH

All in One indoor unit accessories



NEW! 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

NEW! Heat pump foundation made from 100% recycled materials

———
PAW-RPB1AE

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

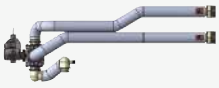
Electric heater foil for the ground stand with 940 mm wide condenser water tray.

———
PAW-GRDSTDHTR940

Electric 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

NEW! G1" 3 way ball valve with actuator for 3-16 kW heat pumps.

———
PAW-3WYVLV20-ES

NEW! G1 1/2" 3 way valve with actuator for 20-30 kW heat pumps.

———
PAW-3WYVLV32-ES

3 way valve for DHW tanks.

PAW-3WYVLV-HW

1 antifreeze valve 1".
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

NEW! Double circulation unit with mixing function (one direct circuit + one mixing circuit).

PAW-A2W-DCUM1

Optional magnet for the water filter in H Series models.

PAW-A2W-MGTFILTER

Buffer and DHW tanks accessories

NEW! Adjustable 3 phase electric heater D180 mm. Selectable output: 6,00 / 4,00 / 3,00 kW. Compatible with PAW-TE50H1AE.

PAW-HT6F18AE8

NEW! Adjustable 3 phase electric heater D240 mm. Selectable output: 9,00 / 7,50 / 6,00 kW. Compatible with PAW-TE75H1AEAN, PAW-TE90H1AEAN, PAW-BC50FAE, PAW-BC80FAE and PAW-BC100FAE.

PAW-HT9F24AE8

NEW! Jacket for 800 L buffer tank (PAW-BC80FAE).

PAW-JKBC80FAE

NEW! Jacket for 1000 L buffer tank (PAW-BC100FAE).

PAW-JKBC100FAE

NEW! Jacket for 750 L DHW tank (PAW-TE75H1AEAN).

PAW-JKTE75H1AE

NEW! Jacket for 900 L DHW tank (PAW-TE90H1AEAN).

PAW-JKTE90H1AE

Aquarea DHW Heat Pumps accessories

NEW! Stand for wall-mounted models (required for installation in non-load-bearing walls).

PAW-DHW-STAND-1

NEW! Accessory kit for external connection (PV or water pump for circulation).

PAW-DHWSOLAR-KIT

EcoFleX accessories

CONEX wired remote controller (non-wireless), white.

CZ-RTC6W

CONEX wired remote controller with Bluetooth®, white.

CZ-RTC6WBL

CONEX wired remote controller with Wi-Fi and Bluetooth®, white.

CZ-RTC6WBLW2

CONEX wired remote controller (non-wireless), black.

CZ-RTC6

CONEX wired remote controller with Bluetooth®, black.

CZ-RTC6BL

CONEX wired remote controller with Wi-Fi and Bluetooth®, black.

CZ-RTC6BLW2

Wired remote controller for wall-mounted.

CZ-RD517C

Infrared remote controller Sky Remote. 2 m cable length of infrared receiver for hide-away.

CZ-RL511D

Reduces the connection size on the indoor unit from 1/2" to 3/8".

CZ-MA1PA

Increases the connection size on the outdoor unit from 3/8" to 1/2".

CZ-MA2PA

Reduces the connection size on the indoor unit from 5/8" to 1/2".

CZ-MA3PA

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.

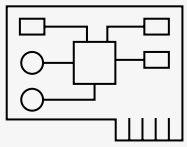
PCZ-ESE845

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.

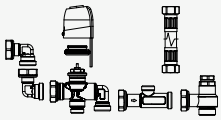
PCZ-EWA844



PCB for analog control (0-10V) for Aquarea Air Smart fan coil – Floor standing.

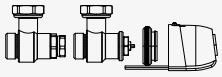
PCZ-B10842

Hydraulic accessories



3 way valve with motor for Aquarea Air Smart fan coil – Floor standing.

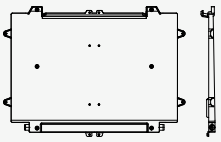
PCZ-V30720



2 way valve with motor for Aquarea Air Smart fan coil – Floor standing, wall-mounted 40 and ducted.

PCZ-V20139

Installation accessories



Condensate drip tray for horizontal installation. For P-FAL10.

PCZ-GB0520

Condensate drip tray for horizontal installation. For P-FAL20.

PCZ-GB0521

Condensate drip tray for horizontal installation. For P-FAL30.

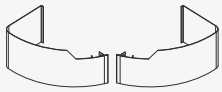
PCZ-GB0522

Condensate drip tray for horizontal installation. For P-FAL35.

PCZ-GB0523

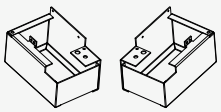
Condensate drip tray for horizontal installation. For P-FAL40.

PCZ-GB0524



Set of 2 legs to protect water pipes for Aquarea Air Smart fan coil – Floor standing.

PCZ-LC0158



Set of 2 legs to anchor the Aquarea Air Smart fan coil – Floor standing to the floor.

PCZ-LC0606

Aquarea Air Smart fan coil wall-mounted accessories

Control accessories

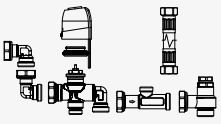
Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

PCZ-EEB749

Wall-mounted control with integrated Wi-Fi for Aquarea Air Smart fan coils.

PCZ-EFB749

Hydraulic accessories

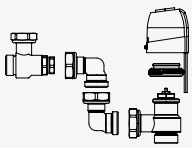


3 way valve with motor for Aquarea Air wall-mounted 10, 15 and 20.

PCZ-V30688

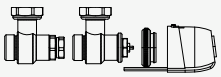
3 way valve with motor for Aquarea Air wall-mounted 40.

PCZ-V30718



2 way valve with motor for Aquarea Air wall-mounted 10, 15 and 20.

PCZ-V20687



2 way valve with motor for Aquarea Air Smart fan coil – 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.

————

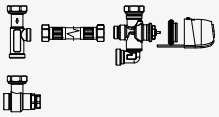
PCZ-EEB749

Wall-mounted control with integrated Wi-Fi for Aquarea Air Smart fan coils.

————

PCZ-EFB749

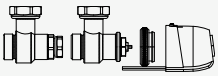
Hydraulic accessories



3 way valve with motor for Aquarea Air Smart fan coil – Ducted.

————

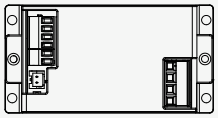
PCZ-V30361



2 way valve with motor for Aquarea Air Smart fan coil – Floor standing, wall-mounted 40 and ducted.

————

PCZ-V20139



PCB for underfloor heating valve control. Requires PCZ-EEB749 or PCZ-EFB749.

————

PCZ-EG1028

Replacement recirculation filter kit

For P-FSN20 and P-FTN15.

————

PCZ-AHRD0491

For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30.

————

PCZ-AHRD0492

For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45.

————

PCZ-AHRD0493

For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60.

————

PCZ-AHRD0494

For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65.

————

PCZ-AHRD0495

Delivery plates

With 2 circular inlets DN 160 mm. For P-FTN15.

————

PCZ-AHRD0561

With 3 circular inlets DN 160 mm. For P-FTN20.

————

PCZ-AHRD0562

With 4 circular inlets DN 160 mm. For P-FTN25.

————

PCZ-AHRD0563

With 6 circular inlets DN 160 mm. For P-FTN35.

————

PCZ-AHRD0564

With 7 circular inlets DN 160 mm. For P-FTN45.

————

PCZ-AHRD0565

Return plenum

With 2 circular inlets DN 160 mm. For P-FTN15.

————

PCZ-AHRD0566

With 3 circular inlets DN 160 mm. For P-FTN20.

————

PCZ-AHRD0567

With 4 circular inlets DN 160 mm. For P-FTN25.

————

PCZ-AHRD0568

With 6 circular inlets DN 160 mm. For P-FTN35.

————

PCZ-AHRD0569

With 7 circular inlets DN 160 mm. For P-FTN45.

————

PCZ-AHRD0570

90° shooting plenum

For P-FTN15.

————

PCZ-AHRD0576

For P-FTN20 and P-FTQ30.

————

PCZ-AHRD0577

For P-FTN25 and P-FTQ45.

————

PCZ-AHRD0578

For P-FTN35 and P-FTQ60.

————

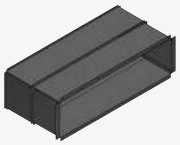
PCZ-AHRD0579

For P-FTN45 and P-FTQ65.

————

PCZ-AHRD0580

Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm



For P-FTN15.

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PCZ-AHRD0581

For P-FTN20.

————

PCZ-AHRD0582

For P-FTN25.

————

PCZ-AHRD0583

For P-FTN35.

————

PCZ-AHRD0584

For P-FTN45.

————

PCZ-AHRD0585

Grille for telescopic kit for rear intake

For P-FTN15.

————

PCZ-AHRD0586

For P-FTN20.

————

PCZ-AHRD0587

For P-FTN25.

————

PCZ-AHRD0588

For P-FTN35.

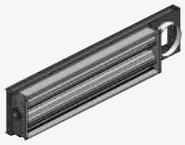
————

PCZ-AHRD0589

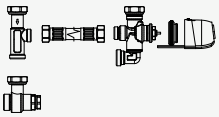
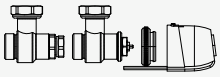
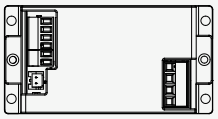
For P-FTN45.

————

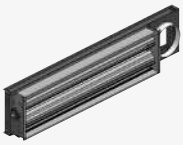
PCZ-AHRD0590

Plenum kit for external air connection with damper for room recirculation	Ducting plate plenum kit for outdoor air connection with damper	90° plenum for outdoor air kit with damper	Telescopic kit. For plenum for outdoor air kit with damper	Grille for telescopic kit. For plenum for outdoor air kit with damper
				
For P-FTN15. ———— PCZ-AHRD0571	**For P-FTN15.** ———— PCZ-AHRD0611	**For P-FTN15.** ———— PCZ-AHRD0616	**For P-FTN15.** ———— PCZ-AHRD0621	**For P-FTN15.** ———— PCZ-AHRD0626
For P-FTN20 and P-FTQ30. ———— PCZ-AHRD0572	**For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0612	**For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0617	**For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0622	**For P-FTN20 and P-FTQ30.** ———— PCZ-AHRD0627
For P-FTN25 and P-FTQ45. ———— PCZ-AHRD0573	**For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0613	**For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0618	**For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0623	**For P-FTN25 and P-FTQ45.** ———— PCZ-AHRD0628
For P-FTN35 and P-FTQ60. ———— PCZ-AHRD0574	**For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0614	**For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0619	**For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0624	**For P-FTN35 and P-FTQ60.** ———— PCZ-AHRD0629
For P-FTN45 and P-FTQ65. ———— PCZ-AHRD0575	**For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0615	**For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0620	**For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0625	**For P-FTN45 and P-FTQ65.** ———— PCZ-AHRD0630

Aquarea Air Smart fan coil – Ducted accessories

Control accessories		Hydraulic 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	**3 way valve with motor for Aquarea Air Smart fan coil – Ducted.** ———— PCZ-V30361	**2 way valve with motor for Aquarea Air Smart fan coil – Floor standing, wall-mounted 40 and ducted.** ———— PCZ-V20139	**PCB for underfloor heating valve control. Requires PCZ-EEB749 or PCZ-EFB749.** ———— PCZ-EG1028

Replacement recirculation filter kit	Delivery plates	Return plenum	90° shooting plenum	Telescopic kit for rear or directly coupled suction. 153 mm - 270 mm	Grille for telescopic kit for rear intake
For P-FSN20 and P-FTN15. ———— PCZ-AHRD0491	**With 2 circular inlets DN 160 mm. For P-FSN20.** ———— PCZ-AHRD0431	**With 2 circular inlets DN 160 mm. For P-FSN20.** ———— PCZ-AHRD0461	**For P-FSN20.** ———— PCZ-AHRD0521	**For P-FSN20.** ———— PCZ-AHRD0531	**For P-FSN20.** ———— PCZ-AHRD0541
For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30. ———— PCZ-AHRD0492	**With 3 circular inlets DN 160 mm. For P-FSN25.** ———— PCZ-AHRD0432	**With 3 circular inlets DN 160 mm. For P-FSN25.** ———— PCZ-AHRD0462	**For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0522	**For P-FSN25.** ———— PCZ-AHRD0532	**For P-FSN25.** ———— PCZ-AHRD0542
For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45. ———— PCZ-AHRD0493	**With 4 circular inlets DN 160 mm. For P-FSN35.** ———— PCZ-AHRD0433	**With 4 circular inlets DN 160 mm. For P-FSN35.** ———— PCZ-AHRD0463	**For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0523	**For P-FSN35.** ———— PCZ-AHRD0533	**For P-FSN35.** ———— PCZ-AHRD0543
For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60. ———— PCZ-AHRD0494	**With 6 circular inlets DN 160 mm. For P-FSN45.** ———— PCZ-AHRD0434	**With 6 circular inlets DN 160 mm. For P-FSN45.** ———— PCZ-AHRD0464	**For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0524	**For P-FSN45.** ———— PCZ-AHRD0534	**For P-FSN45.** ———— PCZ-AHRD0544
For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65. ———— PCZ-AHRD0495	**With 7 circular inlets DN 160 mm. For P-FSN55.** ———— PCZ-AHRD0435	**With 7 circular inlets DN 160 mm. For P-FSN55.** ———— PCZ-AHRD0465	**For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0525	**For P-FSN55.** ———— PCZ-AHRD0535	**For P-FSN55.** ———— PCZ-AHRD0545

Plenum kit for external air connection with damper for room recirculation	Ducting plate plenum kit for outdoor air connection with damper	90° plenum for outdoor air kit with damper	Telescopic kit. For plenum for outdoor air kit with damper	Grille for telescopic kit. For plenum for outdoor air kit with damper
				
For P-FSN20. ———— PCZ-AHRD0639	**For P-FSN20.** ———— PCZ-AHRD0651	**For P-FSN20.** ———— PCZ-AHRD0656	**For P-FSN20.** ———— PCZ-AHRD0661	**For P-FSN20.** ———— PCZ-AHRD0666
For P-FSN25 and P-FSQ30. ———— PCZ-AHRD0640	**For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0652	**For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0657	**For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0662	**For P-FSN25 and P-FSQ30.** ———— PCZ-AHRD0667
For P-FSN35 and P-FSQ45. ———— PCZ-AHRD0641	**For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0653	**For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0658	**For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0663	**For P-FSN35 and P-FSQ45.** ———— PCZ-AHRD0668
For P-FSN45 and P-FSQ60. ———— PCZ-AHRD0642	**For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0654	**For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0659	**For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0664	**For P-FSN45 and P-FSQ60.** ———— PCZ-AHRD0669
For P-FSN55 and P-FSQ75. ———— PCZ-AHRD0643	**For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0655	**For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0660	**For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0665	**For P-FSN55 and P-FSQ75.** ———— PCZ-AHRD0670

Aquarea Air Smart fan coil – Ducted multi zone thin accessories

Control accessories

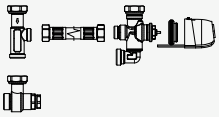
Wall-mounted control with Modbus for Aquarea Air Smart fan coils.

————
PCZ-EEB749

Wall-mounted control with integrated Wi-Fi for Aquarea Air Smart fan coils.

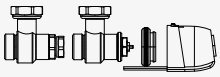
————
PCZ-EFB749

Hydraulic accessories



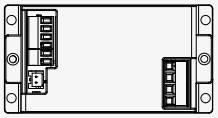
3 way valve with motor for Aquarea Air Smart fan coil – Ducted.

————
PCZ-V30361



2 way valve with motor for Aquarea Air Smart fan coil – Floor standing, wall-mounted 40 and ducted.

————
PCZ-V20139



PCB for underfloor heating valve control. Requires PCZ-EEB749 or PCZ-EFB749.

————
PCZ-EG1028

Replacement recirculation filter kit

For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30.
————
PCZ-AHRD0492

For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45.
————
PCZ-AHRD0493

For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60.
————
PCZ-AHRD0494

For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65.
————
PCZ-AHRD0495

Return plenum

With 2 circular inlets DN 160 mm. For P-FTQ30.
————
PCZ-AHRD0682

With 3 circular inlets DN 160 mm. For P-FTQ45.
————
PCZ-AHRD0683

With 4 circular inlets DN 160 mm. For P-FTQ60.
————
PCZ-AHRD0684

With 5 circular inlets DN 160 mm. For P-FTQ65.
————
PCZ-AHRD0685

90° shooting plenum

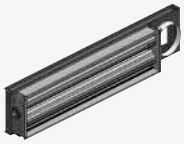
For P-FTN20 and P-FTQ30.
————
PCZ-AHRD0577

For P-FTN25 and P-FTQ45.
————
PCZ-AHRD0578

For P-FTN35 and P-FTQ60.
————
PCZ-AHRD0579

For P-FTN45 and P-FTQ65.
————
PCZ-AHRD0580

Plenum kit for external air connection with damper for room recirculation



For P-FTN20 and P-FTQ30.
————
PCZ-AHRD0572

For P-FTN25 and P-FTQ45.
————
PCZ-AHRD0573

For P-FTN35 and P-FTQ60.
————
PCZ-AHRD0574

For P-FTN45 and P-FTQ65.
————
PCZ-AHRD0575

Ducting plate plenum kit for outdoor air connection with damper

For P-FTN20 and P-FTQ30.
————
PCZ-AHRD0612

For P-FTN25 and P-FTQ45.
————
PCZ-AHRD0613

For P-FTN35 and P-FTQ60.
————
PCZ-AHRD0614

For P-FTN45 and P-FTQ65.
————
PCZ-AHRD0615

90° plenum for outdoor air kit with damper

For P-FTN20 and P-FTQ30.
————
PCZ-AHRD0617

For P-FTN25 and P-FTQ45.
————
PCZ-AHRD0618

For P-FTN35 and P-FTQ60.
————
PCZ-AHRD0619

For P-FTN45 and P-FTQ65.
————
PCZ-AHRD0620

Telescopic kit. For plenum for outdoor air kit with damper

For P-FTN20 and P-FTQ30.
————
PCZ-AHRD0622

For P-FTN25 and P-FTQ45.
————
PCZ-AHRD0623

For P-FTN35 and P-FTQ60.
————
PCZ-AHRD0624

For P-FTN45 and P-FTQ65.
————
PCZ-AHRD0625

Grille for telescopic kit. For plenum for outdoor air kit with damper

For P-FTN20 and P-FTQ30.
————
PCZ-AHRD0627

For P-FTN25 and P-FTQ45.
————
PCZ-AHRD0628

For P-FTN35 and P-FTQ60.
————
PCZ-AHRD0629

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.

————

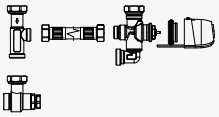
PCZ-EEB749

Wall-mounted control with integrated Wi-Fi for Aquarea Air Smart fan coils.

————

PCZ-EFB749

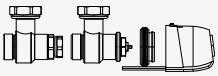
Hydraulic accessories



3 way valve with motor for Aquarea Air Smart fan coil – Ducted.

————

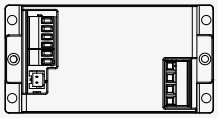
PCZ-V30361



2 way valve with motor for Aquarea Air Smart fan coil – Floor standing, wall-mounted 40 and ducted.

————

PCZ-V20139



PCB for underfloor heating valve control. Requires PCZ-EEB749 or PCZ-EFB749.

————

PCZ-EG1028

Replacement recirculation filter kit

For P-FSN25, P-FTN20, P-FSQ30 and P-FTQ30.

————

PCZ-AHRD0492

For P-FSN35, P-FTN25, P-FSQ45 and P-FTQ45.

————

PCZ-AHRD0493

For P-FSN45, P-FTN35, P-FSQ60 and P-FTQ60.

————

PCZ-AHRD0494

For P-FSN55, P-FTN45, P-FSQ75 and P-FTQ65.

————

PCZ-AHRD0495

Return plenum

With 2 circular inlets DN 160 mm. For P-FSQ30.

————

PCZ-AHRD0466

With 3 circular inlets DN 160 mm. For P-FSQ45.

————

PCZ-AHRD0467

With 4 circular inlets DN 160 mm. For P-FSQ60.

————

PCZ-AHRD0468

With 5 circular inlets DN 160 mm. For P-FSQ75.

————

PCZ-AHRD0469

90° shooting plenum

For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0522

For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0523

For P-FSN45 and P-FSQ60.

————

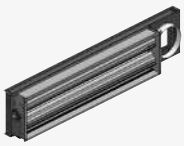
PCZ-AHRD0524

For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0525

Plenum kit for external air connection with damper for room recirculation



For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0640

For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0641

For P-FSN45 and P-FSQ60.

————

PCZ-AHRD0642

For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0643

90° plenum for outdoor air kit with damper

For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0657

For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0658

For P-FSN45 and P-FSQ60.

————

PCZ-AHRD0659

For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0660

Telescopic kit. For plenum for outdoor air kit with damper

For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0662

For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0663

For P-FSN45 and P-FSQ60.

————

PCZ-AHRD0664

For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0665

Grille for telescopic kit. For plenum for outdoor air kit with damper

For P-FSN25 and P-FSQ30.

————

PCZ-AHRD0667

For P-FSN35 and P-FSQ45.

————

PCZ-AHRD0668

For P-FSN45 and P-FSQ60.

————

PCZ-AHRD0669

For P-FSN55 and P-FSQ75.

————

PCZ-AHRD0670

Non-return damper

Non-return damper. For P-FTQ and P-FSQ.

————

PCZ-AHRD0519

Flex Air Smart fan coil – Wall-mounted

CONEX wired remote controller (non-wireless), white.

———

CZ-RTC6W

CONEX wired remote controller with Bluetooth®, white.

———

CZ-RTC6WBL

CONEX wired remote controller with Wi-Fi and Bluetooth®, white.

———

CZ-RTC6WBLW2

CONEX wired remote controller (non-wireless), black.

———

CZ-RTC6

CONEX wired remote controller with Bluetooth®, black.

———

CZ-RTC6BL

CONEX wired remote controller with Wi-Fi and Bluetooth®, black.

———

CZ-RTC6BLW2

Design wired remote controller with Econavi function.

———

CZ-RTC5B

Infrared remote controller.

———

CZ-RWS3

Econavi energy saving sensor.

———

CZ-CENSC1

Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).

———

PAW-FC-903EC

System controller for 64 indoor units with weekly timer.

———

CZ-64ESMC3

Intelligent controller (touch screen/web server) to control up to 256 indoors with included load distribution ratio (LDR).

———

CZ-256ESMC3

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

———

CZ-ANC3

Flex Air Smart fan coil – Medium static pressure duct

Smart controller. Mini building management system, up to 15 zones and 31 units.

———

SRC

CONEX wired remote controller (non-wireless), white.

———

CZ-RTC6W

CONEX wired remote controller with Bluetooth®, white.

———

CZ-RTC6WBL

CONEX wired remote controller with Wi-Fi and Bluetooth®, white.

———

CZ-RTC6WBLW2

CONEX wired remote controller (non-wireless), black.

———

CZ-RTC6

CONEX wired remote controller with Bluetooth®, black.

———

CZ-RTC6BL

CONEX wired remote controller with Wi-Fi and Bluetooth®, black.

———

CZ-RTC6BLW2

Infrared remote controller and receiver for all indoor units.

———

CZ-RWS3 + CZ-RWRC3

Wired remote controller with touch control for 2-pipe and 4-pipe, EC fan coil (control + Modbus).

———

PAW-FC-907EC

Wired remote controller for 2-pipe and 4-pipe, EC fan coil (control + Modbus).

———

PAW-FC-903EC

Flex Air fan coils

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, up to 15 zones and 31 units.

———

SRC

Plogic remote control with integrated temperature sensor.

———

WRC / MRC

Plogic remote control.

———

BRC

Plogic remote control with integrated temperature sensor.

———

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.

————

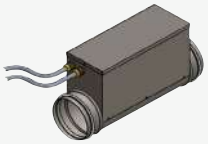
PCZ-AHRP0025

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

External wall grid

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

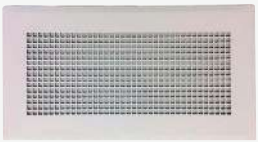
Grid 3x perforated round hole. Steel, white finish, 540 x 140 mm.

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 T-CAP Hydraulic M Series. Three phase · R290

WH-WXG09ME5																		
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-WXG12ME5																		
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-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	9,80	6,70	1,46	9,70	7,40	1,31	—	—	—	—	—	—
-20	11,00	4,25	2,59	11,20	4,75	2,36	11,00	5,50	2,00	10,20	6,45	1,67	10,30	7,95	1,36	—	—	—
-15	12,00	4,27	2,81	12,00	4,56	2,63	12,00	5,67	2,12	12,00	6,00	2,00	12,00	7,06	1,70	11,00	8,45	1,30
-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	12,00	6,57	1,83	11,60	7,30	1,59
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	12,00	7,30	1,64
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

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 Hydraulic M Series. Three phase · R290

WH-WXG09ME5									
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-WXG12ME5									
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-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	10,80	4,89	2,21	11,20	4,87	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.

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

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.

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

WH-MXC09J3E5-1															
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-MXC12J6E5-1															
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-MXC09J3E8-1															
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-MXC12J9E8-1															
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-MXC16J9E8-1															
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-MXC09J3E5-1									WH-MXC12J6E5-1								
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-MXC09J3E8-1									WH-MXC12J9E8-1									WH-MXC16J9E8-1								
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.

Heating and cooling capacity tables

Based on outlet temperature and outside temperature.

Aquarea High Performance Hydraulic 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 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 Hydraulic M Series. Single phase · R290

WH-WDG12ME5															
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	7,20	3,85	1,87	7,10	4,68	1,52	7,10	5,68	1,25	—	—	—	—	—	—
-20	8,10	3,85	2,10	7,80	4,49	1,74	7,80	5,21	1,50	7,35	6,40	1,15	—	—	—
-15	9,40	3,78	2,49	9,00	4,44	2,03	8,80	5,20	1,69	8,60	6,40	1,34	6,40	6,20	1,03
-7	10,50	3,50	3,00	10,20	4,43	2,30	10,00	5,08	1,97	9,80	6,40	1,53	7,90	6,40	1,23
2	12,50	3,71	3,37	12,00	4,35	2,76	12,00	5,29	2,27	11,00	6,20	1,77	9,00	6,20	1,45
7	14,80	3,14	4,71	14,20	3,88	3,66	14,10	4,67	3,02	12,90	5,56	2,32	11,00	6,40	1,72
WH-WDG16ME5															
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	8,30	4,68	1,77	7,55	5,05	1,50	7,15	5,70	1,25	—	—	—	—	—	—
-20	9,00	4,36	2,06	8,45	4,92	1,72	8,20	5,57	1,47	7,35	6,40	1,15	—	—	—
-15	10,50	4,38	2,40	9,90	4,95	2,00	9,30	5,57	1,67	8,60	6,40	1,34	6,40	6,20	1,03
-7	11,70	4,45	2,63	11,30	5,14	2,20	10,80	5,68	1,90	9,80	6,40	1,53	7,90	6,40	1,23
2	13,00	3,94	3,30	12,20	4,45	2,74	12,00	5,29	2,27	11,00	6,20	1,77	9,00	6,20	1,45
7	16,00	3,44	4,65	16,00	4,51	3,55	14,70	4,90	3,00	14,70	6,40	2,30	11,00	6,40	1,72

Aquarea High Performance Hydraulic M Series. Single phase · R290

WH-WDG12ME5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	12,50	2,40	5,21	16,00	2,55	6,27	13,50	1,64	8,23
25	12,00	2,88	4,17	16,00	3,04	5,26	13,00	1,77	7,34
35	12,00	3,70	3,24	15,00	3,90	3,85	12,00	2,40	5,00
43	10,50	4,08	2,57	13,00	4,08	3,19	11,00	2,76	3,99
WH-WDG16ME5									
Tamb	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**	**CC**	**IP**	**EER**
LWC	**7**	**7**	**7**	**14**	**14**	**14**	**18**	**18**	**18**
16	12,50	2,40	5,21	16,00	2,55	6,27	17,50	2,36	7,42
25	12,00	2,88	4,17	16,00	3,04	5,26	16,70	2,66	6,28
35	14,00	4,38	3,20	17,00	4,52	3,76	15,50	3,27	4,74
43	10,50	4,08	2,57	13,00	4,08	3,19	13,80	3,77	3,66

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 Mono-bloc J Series. Single phase - MDC · R32

WH-MDC05J3E5-1															
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-MDC07J3E5-1															
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-MDC09J3E5-1															
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-MDC05J3E5-1									
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-MDC07J3E5-1									
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-MDC09J3E5-1									
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.

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 / WH-UQZ09KE8												
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 / WH-UQZ12KE8												
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 / WH-UQZ16KE8												
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-UQZ09KE8									WH-UXZ12KE8 / WH-UQZ12KE8									WH-UXZ16KE8 / WH-UQZ16KE8								
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 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.

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 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

Features explained

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 -15 °C at 55 °C water flow.

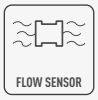
DHW. With Aquarea Heat Pumps, DHW can be produced efficiently, achieving high DHW COP of 3,6 with the L Series All in One indoor unit.

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.

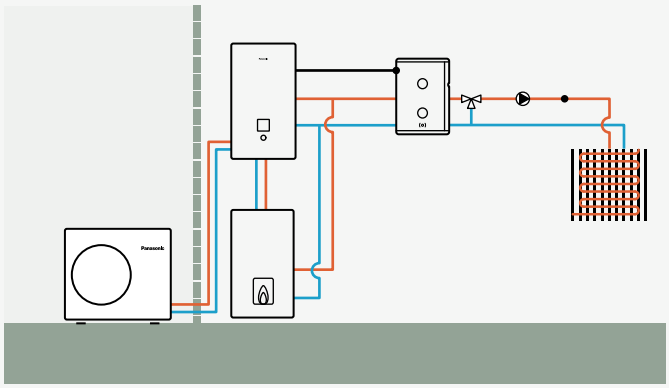
Aquarea H and J Series heat pumps in combination with the optional PCB CZ-NSP4 hold the SG Ready Label (Smart Grid Ready Label), given by Bundesverband Warmepumpe (German Heat Pump Association). This Label shows the real capacity of Aquarea to be connected in an intelligent grid control.
MCS Certificate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

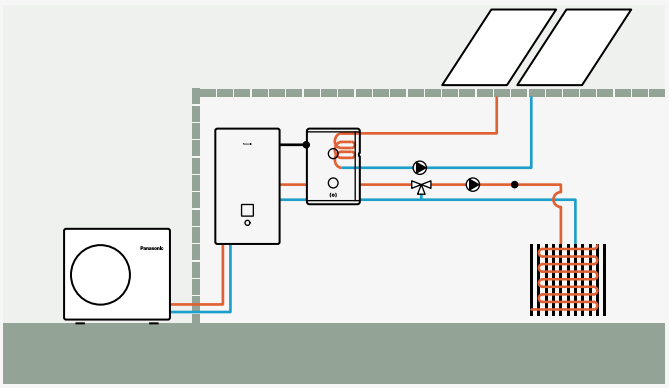
Warning on quality of water and groundwater use: This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other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

Examples of installations

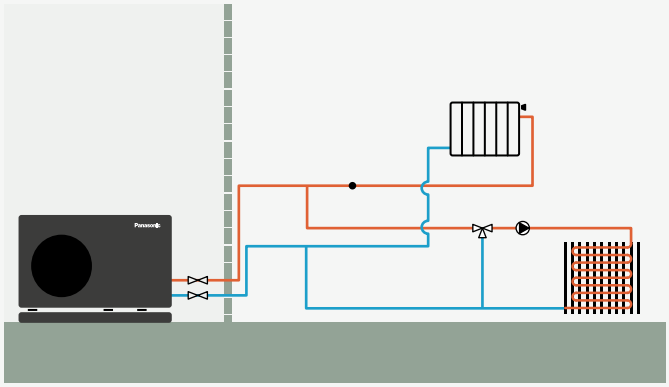
Aquarea Split Bi-bloc: Bivalent with buffer tank and mixing valve



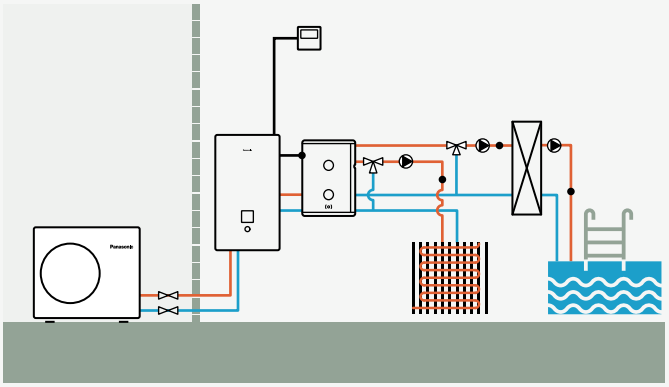
Aquarea Split Bi-bloc: Buffer tank with solar and mixing valve



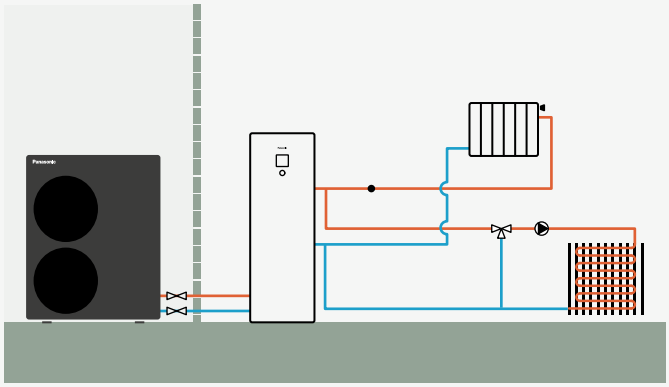
Aquarea Hydraulic Mono-bloc: 2 zones with external kit without buffer tank



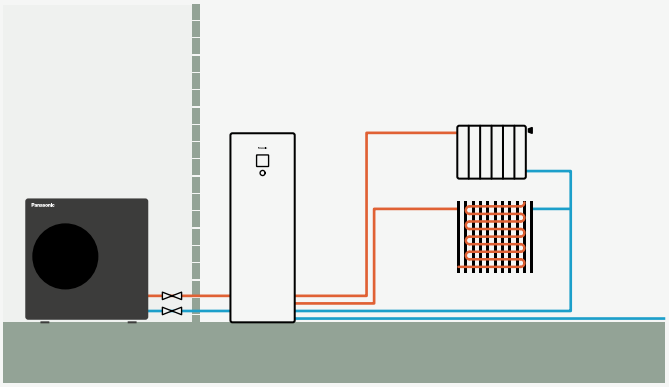
Aquarea Hydraulic Bi-bloc: 2 zones with external kit, buffer tank and swimming pool



Aquarea Hydraulic All in One: 2 zones with external kit, without buffer tank



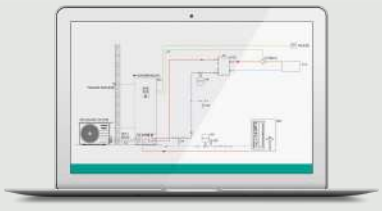
Aquarea Hydraulic All in One 2 zones: 2 zones built-in, without buffer tank



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.

Available on PRO Club www.panasonicproclub.com.



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Panasonic®

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Panasonic Marketing Europe GmbH
Panasonic Heating & Ventilation Air-conditioning Europe
Hagenauer Strasse 43, 65203 Wiesbaden, Germany

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

EU-CATAQU0226/01

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Please refer to the detailed technical data in the technical manuals for the final design and installation.