

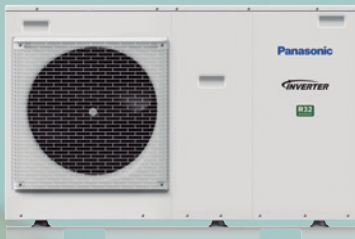
Air To Water Heat Pump

NEW PANASONIC AIR TO WATER HEAT PUMP MONOBLOC J SERIES

Whether you are building a new home or retrofitting, Panasonic has a solution for your project. Choose between the J Series 9kW compact and 16kW Single phase solution or the T-CAP™ 9kW & 12kW single phase and 16kW 3 phase models for extreme and demanding conditions.



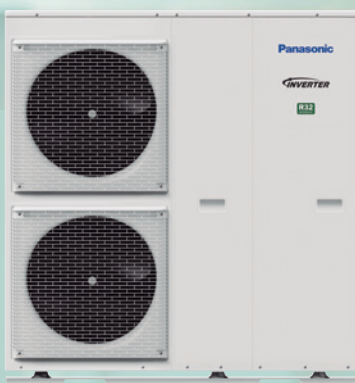
SINGLE PHASE



9kW Single Phase
16kW Single Phase

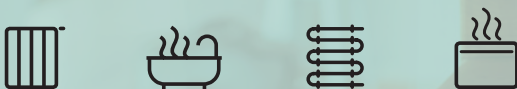


T-CAP



9kW T-CAP™ Single Phase
12kW T-CAP™ Single Phase
16kW T-CAP™ 3 phase

T-CAP stands for Total Capacity. This line-up is able to maintain the same nominal capacity even at -20°C without the help of an electrical booster heater. T-CAP is also able to provide extremely high efficiency, regardless of the outside temperature or the water temperature.



A CLASS
WATER PUMP
AUTO SPEED

A class water pump. Built-in with A class energy efficiency water pump. High efficiency circulating the water in the heating installation.

5.08
COP
HIGH
PERFORMANCE

Higher performance and energy saving. Improvement of SCOP * and cooling capacity vs conventional model.

-20°C
CONSTANT
HEATING
T-CAP

T-CAP for extremely low temperatures. From 12 kW and 16 kW. If the most important aspect is to maintain nominal heating capacities even at temperatures as low as -7 °C or -20 °C, select the T-CAP.

65°C
OUTPUT WATER
FLOW
TEMPERATURE

65 °C output water. Reaches water outlet temperature up to 65 °C. Excludes 9kW std model

THE J SERIES AIR TO WATER HEAT PUMP PROVIDES BOTH DOMESTIC HOT WATER AND HEAT FOR RADIATORS AND UNDERFLOOR HEATING FROM OUTDOOR UNITS.



Adapts to your home

The Panasonic J series is extremely flexible. Select from a range of capacities from 9kW to T-Cap 9kW, 12kW or 16kW, all with the ability to reach a water temperature of 65° C. Whether it is a new build or retrofitting, the range has a solution to suit your project.



Cost-saving solution

Based on Air to Water heat pump technology, highly efficient and environmentally friendly. It captures heat energy from the ambient air and transfers it to heat the water needed to warm your home, for domestic hot water and even to cool your home. This way, up to 80% of the heat energy required is taken from the ambient air - even in extremely low temperatures.



More comfort

The Heat Pump is able to precisely control the temperature thanks to reliable Panasonic Inverter Compressors. Even in extreme weather conditions (-20°C), warms your home effectively and efficiently. Heat Pumps can also cool your home in summer and bring hot water all year round, offering different modes to give the ultimate comfort.



Space-saving solution

Panasonic Monobloc is the ideal space saving solution for any home as the unit does not require a separate hydrokit inside. Additionally, thanks to the unit's all-in-one design, all refrigerant is sealed in the outdoor unit, leaving only water pipes needed inside the property.



Why Panasonic?

Panasonic has more than 60 years of Heat Pump experience, having produced an exceptional amount of compressors. Quality is what Panasonic stands for and this is a key factor for succeeding in the global market.





T-CAP MONOBLOC J SERIES. MORE SAVINGS, MORE EFFICIENCY AND MORE COMFORT.

T-CAP™ for extremely low temperatures, upgrades/retrofits and innovation.

Ideal to ensure that the heating capacity is maintained even at very low temperatures. This line-up is able to maintain the heat pump output capacity even at -20 °C outdoor temperature without the help of an electrical booster heater¹⁾.

With Mono-bloc, the refrigerant circuit is sealed inside the outdoor unit, so there is no need to worry about the amount of refrigerant per room.

65 °C²⁾ water temperature possible.

By optimising the system and the refrigerant cycle, the unit can work under higher pressure and achieve a water temperature of 65°C.

1) 35°C flow temperature.

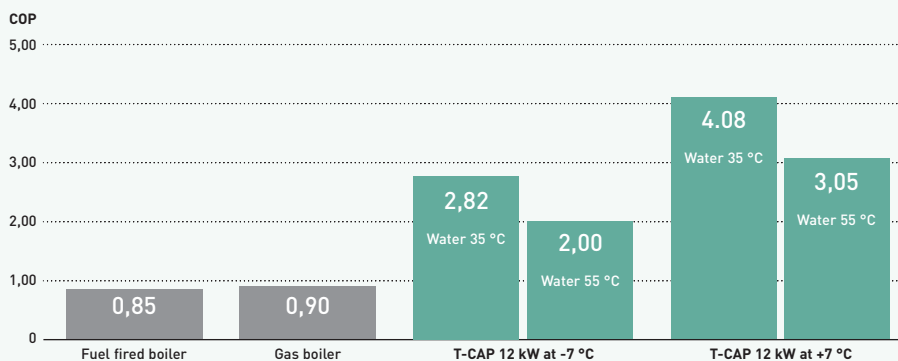
2) In case of ΔT setting with remote controller is 15 °C and outdoor ambient temperature is 5 to 20 °C, 65 °C hot water temperature is possible. Even with the T-CAP series, capacity will drop when water temperature reaches 65 °C.



Higher efficiency compared to other heating systems

Panasonic heat pumps have a maximum COP of 4,08 at +7 °C which makes them much more efficient than other heating systems.

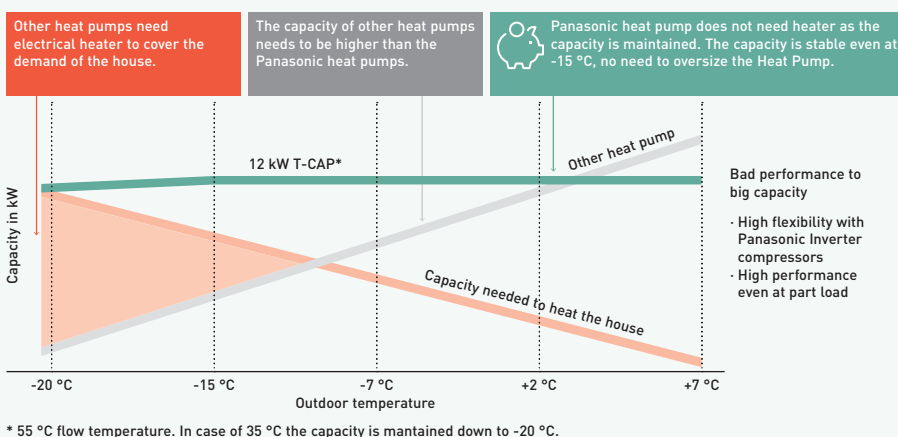
T-CAP is also extremely efficient, no matter what the outside temperature is.



No need to oversize to reach required capacity at low temperatures

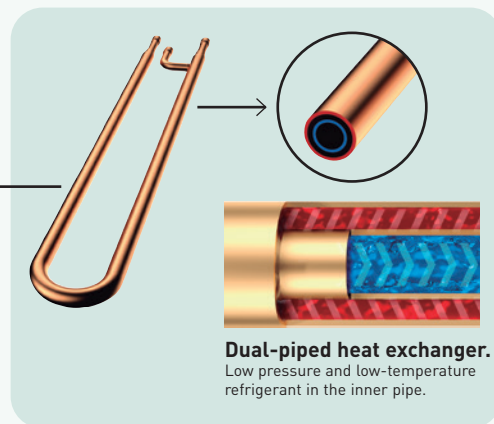
Panasonic heat pumps can work in outdoor temperatures as low as -20 °C and maintain capacity without backup heating at -20 °C¹⁾. With other heat pumps, a larger capacity is required to achieve the same level of comfort at low temperatures.

1) 35 °C flow temperature.



How T-CAP™ maintains performance even at -20 °C outdoors

Panasonic's patented technology can maintain heating capacity even in low outdoor temperatures through optimal control that comes from incorporating dual-piped heat exchanger into the refrigeration cycle.





MONOBLOC J SERIES. MORE SAVINGS, MORE EFFICIENCY AND MORE COMFORT.

The New Monobloc J series heat pump is easy to install on new or existing installations, in all types of properties.

For a house with low temperature radiators or under-floor heating, our Monobloc J series heat pump is a good solution. This solution can work as a stand-alone unit or can be combined with an existing gas or oil-fired heating system depending on requirements.

- High heating and cooling capacities, even at low outdoor temperatures
- A single outdoor unit with outstanding efficiency
- No hydrokit needed
- For new installations and low energy homes
- Outstanding efficiency and minimised CO₂ emission
- Optional Smartphone control
- Operation in cooling mode at outdoor temperatures as low as 10 °C

Technology for the future

R32 Refrigerant Gas: A 'small' change that changes everything

Panasonic recommends R32 because it is a more environmentally friendly solution. Compared to R22 and R410A, R32 has a very low potential impact on the depletion of the ozone layer and global warming.

1. Installation innovation

- This refrigerant is 100% pure, which makes it easier to recycle and reuse

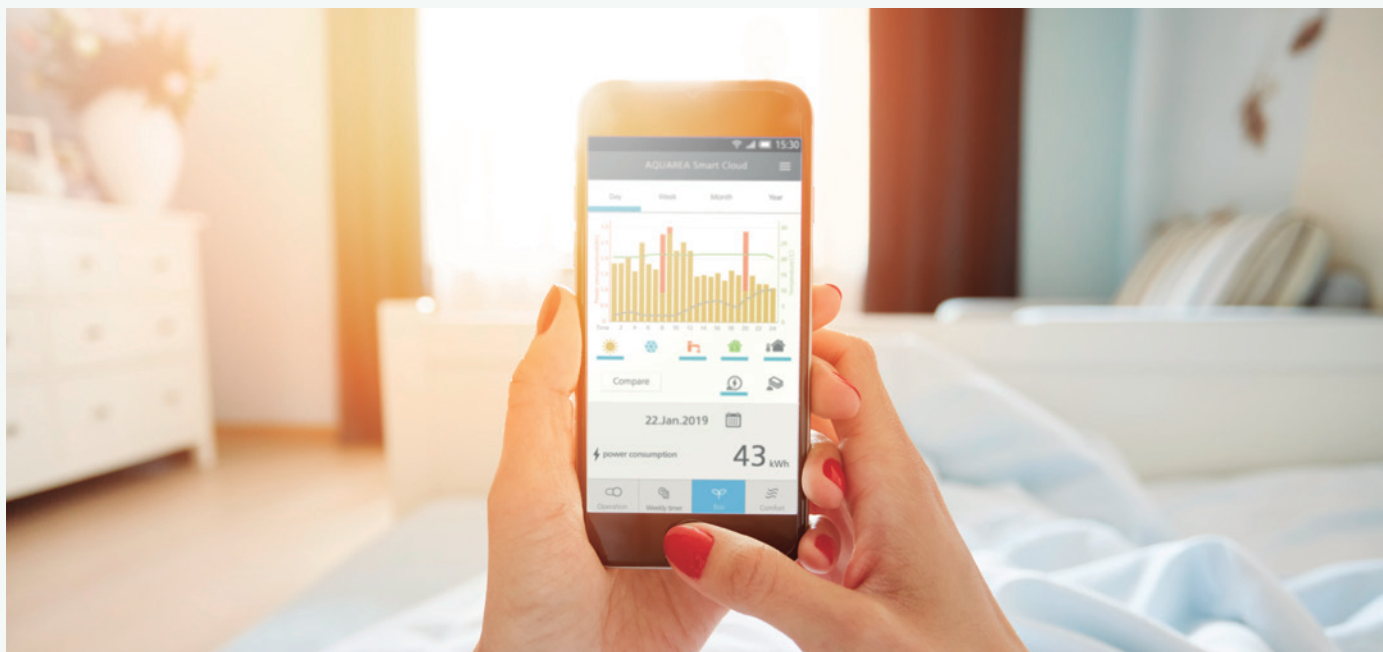
2. Environmental innovation

- Minimal impact on the ozone layer
- 75% Less impact on global warming vs R410A

3. Economic and energy consumption innovation

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





PANASONIC COMFORT CLOUD: THE MOST ADVANCED HEATING CONTROL FOR TODAY AND FOR THE FUTURE.



Panasonic Comfort Cloud for end users

Easy and powerful energy management

The Panasonic Comfort Cloud is much more than a simple thermostat for switching a heating device ON or OFF. It is a powerful and intuitive service for remotely controlling the full range of heating and hot water functions, including monitoring energy consumption.

How does it work?

Connect J Generation system to the cloud using wireless LAN or a wired LAN Network. The user connects to the Cloud portal to remotely operate all unit functions and can also permit partners to access customised functions for remote maintenance and monitoring.



ADVANCED REMOTE
CONTROLLER

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

Quick menu	✓	
User menu	✓	
Installer / custom menu	✓	
Maintenance menu	✓	
Error reset	✓	
Internal thermostat	Zone 1	Zone 2
	✓	✓



Installer functions:

System setup, operation setup (including heating / cooling modes, ΔT setup), dry concrete mode.

End user functions:

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



OPTIONAL ACCESSORIES



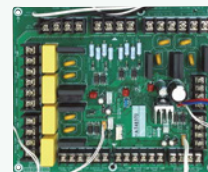
Smart Cloud for remote control and maintenance through wireless or wired LAN.

CZ-TAW1B



Tank sensor with 20 m cable length.

PAW-TS2



PCB for advanced functions in H and J Generations.

CZ-NS4P

10 m extension cable for CZ-TAW1B.

CZ-TAW1-CBL

Tank sensor with 6 m cable length.

PAW-TS1



Modbus interface for H Generation onwards (Intesis).

PAW-AW-MBS-H



KNX inter face for H Generation onwards (Intesis).

PAW-AW-KNX-H



Outdoor ambient sensor.

PAW-A2W-TS0D



Zone room sensor.

PAW-A2W-TSRT



Solar sensor.

PAW-A2W-TSS0



Buffer tank sensor.

PAW-A2W-TSBU

New Monobloc J series.
Heating and Cooling

- R32 refrigerant
- Optional Smartphone control
- Maximum hydraulic module output temperature: 60 °C
- High heating and cooling capacities, even at low outdoor temperatures
- Works at temperatures as low as -20 °C
- Operation in cooling mode at outdoor temperatures as low as 10 °C
- Built-in magnet filter for easy installation



	9kW		12kW	16kW	
Model Name	WH-MDC09J3R5	WH-MXC09J3R5	WH-MXC12J6R5	WH-MDC16J9R5	WH-MXC16J9R8
Power	1-phase	1-phase	1-phase	1-phase	3-phase
Heating COP (A7/W35)	4.48	5.08	4.8	4.57	4.52
SCOP (W35/55)	4.9/3.32	4.96/3.57	4.96/3.57	4.96/3.57	4.46/3.31
Cooling Capacity	9.0kW	9.0kW	12.0kW	12.0kW	14.5.kW
Cooling EER (A35/W7)	2.71	2.9	2.9	3.95	2.84
Max.Heating outlet water temperature (°C)	60 (OD≥-10) 55(OD≥-15)	65 (20≥OD>5) 60(OD≥-10) 55(OD≥-15)	65 (20≥OD≥5) 60 (OD≥-10) 55 (OD≥-15)	65 (20≥OD≥5) 60 (OD≥-10) 55 (OD≥-15)	65 (20≥OD≥5) 60 (OD≥-10) 55 (OD≥-15)
Min. outside Temperature (°C)	-20	-20	-20	-20	-20
Sound Level (Full load / Part Load)	68/50dB	69/50dB	69/50dB	72/66dB	72/66dB
Dimensions (mm)	1283 x 320 x 865	1283 x 320 x 1420	1283 x 320 x 1420	1283 x 320 x 1420	1283 x 320 x 1420
NET weight (kg)	104	140	140	140	150
					



NOTES



HVAC SOLUTIONS

To find out more,
check out www.panasonic.com.au

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

