

Panasonic

NEW H GENERATION

AQUAREA



HIGH ENERGY
SAVING SYSTEM
A+++

The New Aquarea H-Generation Heat Pump:
The Greenest Option in Heating and Hot Water

HIGH ENERGY
SAVING SYSTEM

A+++



New Aquarea H Generation

The beauty of comfort

Panasonic is proud to introduce the 3 and 9 kW, new H Generation range for Aquarea heat pumps. The new range comes in small capacities, specifically designed for low energy homes, and is able to achieve an impressive COP of 5.29 (for the 3.2 kW). Thanks to the system's high degree of technology and advanced control, it is able to maintain a high capacity and efficiency even at -7°C and -15°C. The Aquarea's software is optimised to the requirements of low consumption homes in order to maximise energy efficiency. Whatever the weather, Aquarea can work even at -20°C, with the outdoor unit's design increasing the ease of installation.

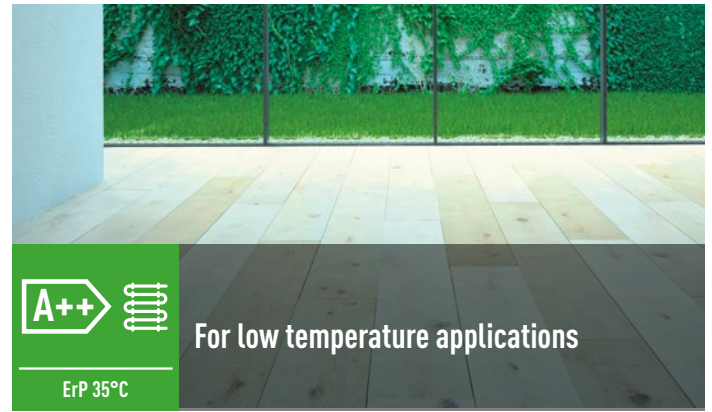
- **New!** Touch Controller
- **New!** Indoor Unit
- **New!** Remote control functions (cooling mode activation possible through software*)
- Increased energy savings
- Simple installation & maintenance
- Super efficient: COP of 5.29 in the 3.2kW
- Special software for low consumption homes with minimum output temperature: 20°C
- Works at temperatures as low as -20°C
- Automatic air purge valve
- Display of the compressor frequency
- Easy remote control set up
- Frontal electrical connections
- Space saving with All in One: 1,800 x 598 x 717 (H x W x D)
- Reduced installation costs with All in One
- Reduced installation spaces with All in One
- Piping at the bottom of the All in One (easy to install)



Aquarea Bi-Bloc (Indoor Unit)

Aquarea All in One (Indoor Unit)

*This activation can only be done by service partner



New Design

Improved Design

White, squared model with no screws visible. Modern remote control can be removed from the unit.



Installer Friendly

- Controller is located on the front and can be removed and fitted up to 50m from indoor unit
- Easy access to parts and easy to install by having all pipings in a row
- New remote control with full dotted wide screen
- New functions (need optional PCB: CZ-NS4P)
- Can connect additional room temperature sensor

Compact and free space

More value in 1 compact space:

- Water Strainer (easy access & fast technology)
- Isolator valves included
- Flow Sensor included
- 3 way valve ready (optional CZ-NV1 in internal space)

Advanced Control

Ease of use



New remote control with full dotted 3,5" wide back light screen. Menu with 10 available languages (EN, FR, DE, IT, ES, CZ, PL, SW, NO, DK) easy to use for installer and user.

Relocation

Remote control can be relocated to any room.



New Accessory

Optional PCB (CZ-NS4P)

With this new PCB you can also manage one or more functions, as follows: SG Ready, 0 – 10 V demand signal, 2-zones control function (pump + mixing valve), solar and external switch (Heat / Cool).

Better Efficiency & Value

A++/A++

- A++ for medium temperature applications (ErP 55°C)
- A++ for low temperature applications (ErP 35°C)
- 3 & 5kW meet Sep'19 ErP regulation as A+++

New Wifi connection for H Generation (optional)

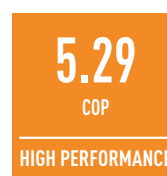


CZ-TAW1

H Generation Internet control through Wi-Fi or wired LAN.

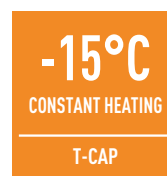


Two Aquarea H Generation solutions



Aquarea High Performance for low consumption houses. From 3 to 16kW

For a house with low temperature radiators or underfloor heating, our high performance Aquarea heat pump is the perfect solution. This extensive range works from 3 to 16kW and delivers hot water temperatures of 55°C even at outdoor temperatures at -20°C. The Aquarea High Performance range is available as a stand-alone unit or can be combined with an existing gas- or oil-fired heating system, depending on your requirements. This highly efficient solution is ideal for low consumption homes.



Aquarea T-CAP. From 9 to 16kW

Should the primary heating demands be maintaining nominal heating capacities even at temperatures as low as -7°C or -15°C, the Aquarea T-CAP range is the best to suit those needs. T-CAP stands for "Total Capacity", even at extremely low temperatures. Aquarea T-CAP boasts high efficiency ratings and heating capacity, being able to function at temperatures as low as 15°C.

Aquarea H Generation High Performance



NEW
SUPER QUIET
OUTDOOR UNIT

TENTATIVE DATA	High Performance All in One Single Phase (Power to indoor)								Bi-Bloc Single Phase Heating and Cooling								T-CAP Bi-Bloc Three Phase (Power to indoor)											
	KIT-ADC03HE5 ¹		KIT-ADC05HE5 ¹		KIT-ADC07HE5 ¹		KIT-ADC09HE5 ¹		KIT-WC03HE5		KIT-WC05HE5		KIT-WC07HE5 ¹		KIT-WC09HE5 ¹		KIT-WC09HE5 ¹		KIT-WC12HE5 ¹		KIT-WC16HE5 ¹		KIT-WC09HE5 ¹		KIT-WC12HE5 ¹		KIT-WC16HE5 ¹	
Heating capacity at +7°C (heating water at 35°C)	3.2		5		7		9		3.2		5		7		9		9		12		16		9		12		16	
COP at +7°C (heating water at 35°C)	5.29		4.63		4.46		4.31		5.28		4.63		4.46		4.13		4.84		4.14		4.28		4.84		4.74		4.28	
Heating capacity at +2°C (heating water at 35°C)	3.2		4.2		6.55		6.7		3.2		4.2		6.55		6.7		9		11.4		13		9		12		16	
COP at +2°C (heating water at 35°C)	3.56		3.11		3.34		3.13		3.56		3.11		3.34		3.13		3.59		3.44		3.28		3.59		3.44		3.28	
Heating capacity at -7°C (heating water at 35°C)	3.2		4.2		5.15		5.9		3.2		4.2		5.15		5.9		9		10		11.4		9		12		16	
COP at -7°C (heating water at 35°C)	2.69		2.59		2.68		2.52		2.69		2.59		2.68		2.52		2.85		2.73		2.68		2.85		2.72		2.49	
Cooling capacity at 35°C (cooling water at 7/12°C)	3.2		4.5		6		7		3.2		4.5		6		7		7		10		12.2		7		10		12.2	
EER at 35°C (cooling water at 7/12°C)	3.08		2.69		2.63		2.43		3.08		2.69		2.63		2.43		3.17		2.81		2.56		3.17		2.81		2.56	
Energy Efficiency Class at 35°C / 55°C / tank	A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A	
System label 35°C / 55°C ²	A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A		A++ / A++ / A	
Indoor Unit	WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5		WH-ADC0309HE5	
Sound pressure level Heating / Cooling	dB(A) 28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28		28 / 28	
Sound power level Heating / Cooling	dB 41 / 41		41 / 41		41 / 41		41 / 41		41 / 41		41 / 41		43 / 43		43 / 43		46 / 46		46 / 46		46 / 46		46 / 46		46 / 46		46 / 46	
Dimensions / Weight H x W x D	mm / kg 1,800 x 598 x 717 / 135		1,800 x 598 x 717 / 135		1,800 x 598 x 717 / 135		1,800 x 598 x 717 / 135		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44	
Water pipe connector	mm 28		28		28		28		28		28		28		28		28		28		28		28		28		28	
A class Pump Input power (Min / Max)	W 30 / 120		30 / 120		30 / 120		30 / 120		30 / 100		33 / 106		34 / 114		40 / 120		32 / 102		34 / 110		30 / 105		32 / 102		34 / 110		30 / 105	
Heating water flow (ΔT=5 K, 35°C)	l/min 9.2		14.3		20.1		25.8		9.2		14.3		20.1		25.8		25.8		34.4		45.9		25.8		34.4		45.9	
Capacity of integrated electric heater	kW 3		3		3		3		3		3		3		3		3		3		3		3		3		3	
Recommended Fuse	A 15 / 15		15 / 15		30 / 15		30 / 15		15 / 30		15 / 30		15 / 30		15 / 30		15 / 30		15 / 30		15 / 30		16 / 16		16 / 16		15 / 30	
Recommended cable size, supply 1 & 2	mm ² 3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 2.5 / 3 x 1.5		3 x 2.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5		3 x 1.5 / 3 x 1.5	
Outdoor Unit	WH-UD03HE5		WH-UD05HE5		WH-UD07HE5		WH-UD09HE5		WH-UD03HE5		WH-UD05HE5		WH-UD07HE5		WH-UD09HE5		WH-UD09HE5		WH-UD12HE5		WH-UD16HE5		WH-UX09HE5		WH-UX12HE5		WH-UX16HE5	
Sound pressure level Heating / Cooling	dB(A) 48 / 47		49 / 48		50 / 48		51 / 50		47 / 47		48 / 48		50 / 48		51 / 50		51 / 49		52 / 50		55 / 54		51 / 49		52 / 50		55 / 54	
Dimensions / Weight H x W x D	mm / kg 622 x 824 x 298 / 39		622 x 824 x 298 / 39		795 x 900 x 320 / 66		795 x 900 x 320 / 66		622 x 824 x 298 / 39		622 x 824 x 298 / 39		795 x 900 x 320 / 66		795 x 900 x 320 / 66		1,340 x 900 x 320 / 108		1,340 x 900 x 320 / 108		1,340 x 900 x 320 / 108		1,340 x 900 x 320 / 108		1,340 x 900 x 320 / 108		1,410 x 1,283 x 320 / 147	
Refrigerant (R410A)	kg 1.2		1.2		1.45		1.45		1.2		1.2		1.45		1.45		2.55		2.55		2.85		2.85		2.9		1.45	
Pipe diameter Liquid / Gas	Inch (mm) 1/4 (6.35) / 1/2 (12.7)		1/4 (6.35) / 1/2 (12.7)		1/4 (6.35) / 5/8 (15.88)		1/4 (6.35) / 5/8 (15.88)		1/4 (6.35) / 1/2 (12.7)		1/4 (6.35) / 1/2 (12.7)		1/4 (6.35) / 5/8 (15.88)		1/4 (6.35) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)		3/8 (9.52) / 5/8 (15.88)	
Pipe length range / Elevation diff. (in/out)	m 3 - 15 / 5		3 - 15 / 5		3 - 30 / 20		3 - 30 / 20		3 - 15 / 5		3 - 15 / 5		3 - 30 / 20		3 - 30 / 20		3 - 30 / 20		3 - 30 / 20		3 - 30 / 20		3 - 30 / 20		3 - 30 / 20		3 - 30 / 20	
Pipe length for add gas / Add gas amount	m / g/m 10 / 20		10 / 20		10 / 30		10 / 30		10 / 20		10 / 20		10 / 30		10 / 30		10 / 50		10 / 50		10 / 50		10 / 50		10 / 50		10 / 50	
Operation range Outdoor ambient	°C -20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35		-20 / +35	
Water outlet Heating / Cooling	°C 25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20	

COP classification is at 230 V only in accordance with EU directive 2002/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511. Remark to energy efficiency class: These indications are based on the official ErP regulations (EU regulations N° 811/2013, EN 14511 and EN 14825) for heat pumps, which is officially binding from September 2015. Efficiency classes marked with * would meet the new regulations from September 2019 to a classification as A+++.

A++
ErP 55°C

A+
ErP 35°C

A
DHW 55°C

INVERTER+

A CLASS
WATER PUMP
AUTO SPEED

5.00
COP
HIGH PERFORMANCE

DHW

-20°C
HEATING MODE

WATER STRAINER

ISOLATOR VALVES

FLOW SENSOR

BOILER CONNECTION

ADVANCED CONTROL

INTERNET CONTROL

BMS
CONNECTIVITY

5 YEARS
COMPRESSOR WARRANTY

25 YEARS
VESSEL TANK WARRANTY

Better Efficiency & Value. For medium temperature applications. Aquarea systems meets ErP regulation as A+++.

Better Efficiency & Value. For low temperature applications. Aquarea systems meets ErP regulation as A++.

Better Efficiency & Value. For low temperature applications. Aquarea systems meets ErP regulation as A.

The Inverter system provides energy savings of up to 50%. You win and nature wins.

Aquarea are built-in with A class water pump with auto speed.

Aquarea High Performance for low consumption houses. From 3 to 16kW. For a house with low temperature radiators or under-floor heating.

With Aquarea you can also heat your domestic hot water at a very low cost with the optional hot water cylinder.

Down to -20°C in heating mode. The heat pump works with an outdoor temperature as low as -20°C.

Water strainer (easy access & fast clip technology) for H Generation.

Water isolator valves included on H Generation.

Water Flow Sensor included on H Generation.

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

New remote control included on H Generation.

Control your heat pump system from wherever you are. Using smartphone, tablet or PC via internet.

Integrated port into the indoor unit. Easy connection and control to your home management system.

We guarantee the compressors in the entire range for five years.*

25 Years Warranty. Vessel Tank Warranty.*

Panasonic®

To find out how Panasonic cares for you, log on to: www.aircon.panasonic.co.uk

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heating & cooling solutions



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