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

Aquarea High Performance		5 kW	7 kW	9 kW	12 kW	16 kW
P. 76 , 78	R290 **All in One · R290 1ph - 3ph**	 WH-ADC0509L3E51 WH-ADC0509L3E5 [1] WH-ADC0509L3E5B WH-ADC0509L3E5AN [1] WH-WDG05LE5	 WH-ADC0509L3E51 WH-ADC0509L3E5 [1] WH-ADC0509L3E5B WH-ADC0509L3E5AN [1] WH-WDG07LE5	 WH-ADC0509L3E51 WH-ADC0509L3E5 [1] WH-ADC0509L3E5B WH-ADC0509L3E5AN [1] WH-WDG09LE5 WH-ADC0316M9E81 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 **NEW!** WH-WDG09ME8	 WH-ADC0916M3E51 WH-ADC0916M3E52 [1] WH-ADC0916M3E5AN2 WH-ADC0916M3E53 [1] WH-ADC0916M3E5AN3 WH-ADC0316M9E81 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 **NEW!** WH-WDG12ME5 WH-WDG12ME8	 WH-ADC0916M3E51 WH-ADC0916M3E52 [1] WH-ADC0916M3E5AN2 WH-ADC0916M3E53 [1] WH-ADC0916M3E5AN3 WH-ADC0316M9E81 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 **NEW!** WH-WDG16ME5 WH-WDG16ME8
P. 76 , 78	R290 **Bi-bloc · R290 1ph - 3ph**	 WH-SDC0509L3E5 [1] WH-WDG05LE5	 WH-SDC0509L3E5 [1] WH-WDG07LE5	 WH-SDC0509L3E5 [1] WH-WDG09LE5 WH-SDC0916M3E5 [1] WH-SDC0316M9E8 **NEW!** WH-WDG09ME8	 WH-SDC0916M3E5 [1] WH-SDC0316M9E8 **NEW!** WH-WDG12ME5 WH-WDG12ME8	 WH-SDC0916M3E5 [1] WH-SDC0316M9E8 **NEW!** WH-WDG16ME5 WH-WDG16ME8
P. 78	R290 **Control module · R290 1ph - 3ph**			 WH-CME8 **NEW!** WH-WDG09ME8	 WH-CME5 WH-CME8 **NEW!** WH-WDG12ME5 WH-WDG12ME8	 WH-CME5 WH-CME8 **NEW!** WH-WDG16ME5 WH-WDG16ME8
P. 78	R290 **Stand-alone · R290 [2] 1ph - 3ph**			 **NEW!** WH-WDG09ME8	 **NEW!** WH-WDG12ME5 WH-WDG12ME8	 **NEW!** WH-WDG16ME5 WH-WDG16ME8
P. 81	**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.

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

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

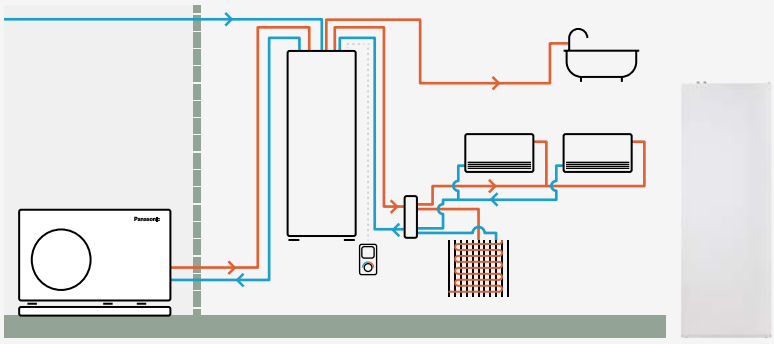
*Automatic air vent and drain cock are included. Built-in pocket sensor (sensor not included). **50 and 100 L Buffer Tanks are produced by OSO. 200 and 260 L Buffer Tanks are produced by Lapesa. 500, 800 and 1000 L Buffer Tanks are produced by Austria Email.

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.

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



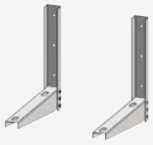
Buffer tank sensor (for H and J Series, PAW-A2W-TSHC required if optional PCB is used.

———
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.

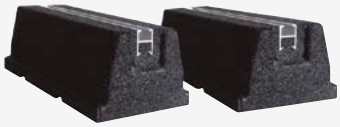
———
CZ-NE4P

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



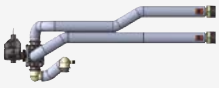
Electric heater foil for the ground stand with 940 mm wide condenser water tray.

———
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

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.

Features explained

Energy saving.

R290 REFRIGERANT
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.

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

A++ ErP 55 °C
BETTER EFFICIENCY AND VALUE FOR MEDIUM TEMPERATURE APPLICATIONS. Energy efficiency class up to A++ in a scale from A+++ to D.

A+++ ErP 35 °C
BETTER EFFICIENCY AND VALUE FOR LOW TEMPERATURE APPLICATIONS. Energy efficiency class up to A+++ in a scale from A+++ to D.

A+ DHW
BETTER EFFICIENCY AND VALUE FOR DOMESTIC HOT WATER. Energy efficiency class up to A+ in a scale from A+ to F.

INVERTER+
INVERTER PLUS SYSTEM. Inverter Plus system classification highlights Panasonic's highest performing systems.

A CLASS WATER PUMP AUTO SPEED
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
ERP 2018. Compliant following COMMISSION REGULATION (EU) No2016/2281.

EC MOTOR GREEN VENTILATION
EC MOTOR GREEN VENTILATION. Range of fan coils with improved efficiency and optional EC fan motors.

High performance and indoor air quality.

5,33 COP HIGH PERFORMANCE
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.

-15°C CONSTANT HEATING T-CAP
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
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.

-20 °C HEATING MODE
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
WATER FILTER WITH MAGNET. Easy access and fast clip technology for J Series onwards. Water filter only for H Series.

75 °C OUTPUT WATER FLOW TEMPERATURE
75 °C OUTPUT WATER. Reaches water outlet temperature up to 75 °C for L and M Series.

65°C OUTPUT WATER FLOW TEMPERATURE
65 °C OUTPUT WATER. Reaches water outlet temperature up to 65 °C.

FLOW SENSOR
WATER FLOW SENSOR. Included on H Series onwards.

5 YEARS COMPRESSOR WARRANTY
5 YEARS COMPRESSOR WARRANTY. We guarantee the outdoor unit compressors in the entire range for five years.

High connectivity.

BOILER CONNECTION
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
SOLAR KIT. For even greater efficiency, Aquarea Heat Pumps can be connected to photovoltaic solar panels with the optional PCB.

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

SG Ready
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.