



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.



Aquarea H Generation High Performance Monobloc Single Phase. Heating and Cooling - MDC

Outdoor unit		Single Phase Heating and Cooling				
		WH-MDC05H3E5	WH-MDC07H3E5	WH-MDC09H3E5	WH-MDC12H6E5	WH-MDC16H6E5
Heating capacity [A +7°C, W 35°C]	kW	5.00	7.00	9.00	12.00	16.00
COP [A +7°C, W 35°C]	W/W	5.08	4.52	4.29	4.74	4.28
Heating capacity [A +2°C, W 35°C]	kW	4.80	6.60	6.80	11.40	13.00
COP [A +2°C, W 35°C]	W/W	3.36	3.30	3.18	3.44	3.28
Heating capacity [A -7°C, W 35°C]	kW	4.70	5.50	6.40	10.00	11.40
COP [A -7°C, W 35°C]	W/W	2.85	2.70	2.60	2.73	2.57
Cooling capacity [A 35°C, W 7°C]	kW	4.50	6.00	7.00	10.00	12.20
EER [A 35°C, W 7°C]	W/W	3.28	2.78	2.60	2.81	2.56
Energy Efficiency Class at 35°C ¹ / 55°C ¹		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++
Sound pressure Heat / Cool	dB(A)	49 / 47	50 / 48	51 / 49	52 / 50	55 / 54
Sound power Heat / Cool	dB	65 / 65	68 / 66	69 / 67	69 / 68	72 / 72
Dimension H x W x D	mm	865 x 1283 x 320	865 x 1283 x 320	865 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight	kg	94	104	104	140	140
Refrigerant (R410A) ³	kg/TCO ₂ Eq.	1.30/2714	1.35/2819	1.35/2819	2.10/4.385	2.10/4.385
Water pipe connector	Inch	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4
A class pump	Number of speeds	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max) W	34/96	36/100	39/108	34/110	38/120
Heating water flow (ΔT=5 K, 35°C)	L/min	14.3	20.1	25.8	34.4	45.9
Capacity of integrated electric heater	kW	3	3	3	6	6
Input Power	Heat kW	0.985	1.55	2.10	2.53	3.74
	Cool kW	1.37	2.16	2.69	3.56	4.76
Starting current	Heat A	4.7	7.2	9.6	11.7	16.9
Current 1	A	13.0	21.0	22.9	24.0	26.0
Current 2	A	13.0	13.0	13.0	26.0	26.0
Recommended fuse	A	30/15	30/15	30/16	30/30	30/30
Recommended cable size, supply 1 & 2	mm ²	3x4.0 or 6.0/3x4.0	3x4.0 or 6.0/3x4.0	3x4.0 or 6.0/3x4.0	3x4.0 or 6.0/3x4.0	3x4.0 or 6.0/3x4.0
Operation range	Outdoor ambient °C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat °C	20 ~ 55	20 ~ 55	20 ~ 55	25 ~ 55	25 ~ 55
	Cool °C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

Accessories

- PAW-TD20C1E5-UK** Tank 200L - Stainless steel
- PAW-TD30C1E5-UK** Tank 300L - Stainless steel
- PAW-3WYVLV-SI** 3 way valve
- PAW-BTANK50L** Buffer tank 50L

Accessories

- CZ-TAW1** Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
- PAW-A2W-RTWIRED** Room thermostat
- PAW-G3KIT** G3 Compliant Kit

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site. 1) Scale from A++ to G. 2) Scale from A+++ to D. System label with controller. 3) WH-MDC models are hermetically sealed.



INTERNET CONTROL: Optional.
* MCS APPROVED PRODUCT. Not all products are currently certified. Please visit: <http://www.microgenerationcertification.org/consumers/product-search>.