

NEW
2020

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

NEW Aquarea High Performance Mono-bloc J Generation Single Phase. Heating and Cooling - MDC • R32 refrigerant

			Single Phase Heating and Cooling		
Outdoor unit			WH-MDC05J3E5	WH-MDC07J3E5	WH-MDC09J3E5
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
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)	ETA %		202 / 142	193 / 130	193 / 130
	SCOP		5,12 / 3,63	4,90 / 3,32	4,90 / 3,32
Energy Class Heating Average Climate (W35 °C / W55 °C)	A+++ to D		A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)	ETA %		237 / 165	227 / 160	227 / 160
	SCOP		6,00 / 4,20	5,75 / 4,07	5,75 / 4,07
Energy Class Heating Warm Climate (W35 °C / W55 °C)	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)	ETA %		160 / 115	164 / 116	164 / 116
	SCOP		4,08 / 2,95	4,18 / 2,98	4,18 / 2,98
Energy Class Heating Cold Climate (W35 °C / W55 °C)	A+++ to D		A++ / A+	A++ / A+	A++ / A+
Sound power partial load	Heat	dB	59	59	59
Sound power full load	Heat / Cool	dB	64 / 65	68 / 67	69 / 68
Dimension	HxWxD	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.		kg / T	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878
Water pipe connector		Inch	R 1½	R 1½	R 1½
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
Capacity of integrated electric heater		kW	3	3	3
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		A	30 / 15	30 / 15	30 / 16
Recommended cable size, supply 1 / 2		mm ²	3x1,5 / 3x1,5	3x2,5 / 3x1,5	3x2,5 / 3x1,5
Operation range (outdoor temperature)	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
Outdoor unit Price		£	2271	2538	3234
MCS Accredited Product			TBA	TBA	TBA

Accessories	Price £
PAW-TD20C1E5-UK Tank 200L - Stainless steel, with tank sensor	814
PAW-TD30C1E5-UK Tank 300L - Stainless steel, with tank sensor	1050
PAW-G3KIT G3 compliant kit (Must be ordered with above tanks)	107
PAW-3WYVLV-HW 3 way valve for DHW Tanks	131
PAW-BTANK50L-2 Buffer tank 50L	199

Accessories	Price £
CZ-TAW1 Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	144
PAW-A2W-RTWIRED Room thermostat	80
PAW-A2W-RTWIREDLESS Wireless LCD room thermostat	134

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).
1) WH-MDC models are hermetically sealed. * Available in May 2020.



INTERNET CONTROL: Optional.