Aquarea T-CAP Hydraulic M Series outdoor units. Single phase / Three phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C / Built-in flow meter.
Flexibility: Hydraulic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Constant capacity down to -20 °C / Operating range down to -28 °C / 75 °C water temperature at -15 °C outside / 55 °C hot water even at -25 °C outside temperature / Low noise level.
Control: Optimised user interface and improved features (2 zone control, bivalent control).



A++ ErP 55 °C Scale from A+++ to D
A+++ ErP 35 °C Scale from A+++ to D
A+ DHW* Scale from A+ to F
* For All in One.

Combination table - Aquarea T-CAP Hydraulic M Series						Outdoor unit				
Indoor unit						Heating capacity				
						Single phase		Three phase		
		DHW tank	Backup heater capacity	Electrical anode		9,0 kW	12,0 kW	9,0 kW	12,0 kW	16,0 kW
						WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Hydraulic All in One	1ph	120 L	3 kW	—	WH-ADC0916M3E51	✔	✔	—	—	—
		120 L	3 kW	✔	WH-ADC0916M3E5AN1	✔	✔	—	—	—
		185 L	3 kW	—	WH-ADC0916M3E52	✔	✔	—	—	—
		185 L	3 kW	✔	WH-ADC0916M3E5AN2	✔	✔	—	—	—
		185 L	6 kW	—	WH-ADC0916M6E52	✔	✔	—	—	—
		260 L	3 kW	—	WH-ADC0916M3E53	✔	✔	—	—	—
		260 L	3 kW	✔	WH-ADC0916M3E5AN3	✔	✔	—	—	—
		260 L	6 kW	—	WH-ADC0916M6E53	✔	✔	—	—	—
	3ph	120 L	9 kW	—	WH-ADC0916M9E81	—	—	✔	✔	✔
		120 L	9 kW	✔	WH-ADC0916M9E8AN1	—	—	✔	✔	✔
		185 L	9 kW	—	WH-ADC0316M9E82	✔	✔	✔	✔	✔
		185 L	9 kW	✔	WH-ADC0316M9E8AN2	✔	✔	✔	✔	✔
		260 L	9 kW	—	WH-ADC0316M9E83	✔	✔	✔	✔	✔
		260 L	9 kW	✔	WH-ADC0316M9E8AN3	✔	✔	✔	✔	✔
Hydraulic Bi-bloc	1ph	—	3 kW	—	WH-SDC0916M3E5	✔	✔	—	—	—
		—	6 kW	—	WH-SDC0916M6E5	✔	✔	—	—	—
	3ph	—	9 kW	—	WH-SDC0316M9E8	✔	✔	✔	✔	✔
Control module	1ph	—	—	—	WH-CME5	✔	✔	—	—	—
	3ph	—	—	—	WH-CME8	✔	✔	✔	✔	✔
Remote controller with Wi-Fi adapter	—	—	—	—	CZ-RTW2TAW1C	✔	✔	✔	✔	✔

Combination table - Big Aquarea T-CAP Hydraulic M Series			Outdoor unit		
Indoor unit			Heating capacity		
			Three phase		
			20,0 kW	25,0 kW	30,0 kW
			WH-WXG20ME8	WH-WXG25ME8	WH-WXG30ME8
Control module	3ph	WH-CME8L	✔	✔	✔
Remote controller with Wi-Fi adapter	—	CZ-RTW2TAW1C	✔	✔	✔

Accessories	
CZ-RTW2TAW1C	Remote controller with Wi-Fi adapter (required for stand-alone outdoor units). M Series
CZ-RTW2	Optional remote controller for 2 zone control. M Series
CZ-NS6P	PCB for advanced functions. M Series All in One and Bi-bloc
CZ-NS7P	PCB for advanced functions. M Series control module
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat
PAW-A2W-AFVLV-112	1 antifreeze valve 1 1/2". It is required to order 2 valves per system. For 20, 25 and 30 kW
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system. For 9, 12 and 16 kW

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-3WYVLV-HW	3 way valve for DHW tanks
PAW-BTANK50L-2	Buffer tank 50 L
PAW-BTANK100L	Buffer tank 100 L
PAW-BTANKG200L	Buffer tank 200 L
PAW-BTANKG260L	Buffer tank 260 L

R290 REFRIGERANT · A++ ErP 55°C · A+++ ErP 35°C · A+ DHW · INVERTER+ · A CLASS WATER PUMP AUTO SPEED · DHW · -28 °C HEATING MODE · WATER FILTER WITH MAGNET · 75°C OUTPUT WATER FLOW TEMPERATURE · FLOW SENSOR · BOILER CONNECTION · WI-FI INCLUDED · BMS CONNECTIVITY · 5 YEARS COMPRESSOR WARRANTY

DHW A+: For All in One. INTERNET CONTROL: Wi-Fi adapter included.

Aquarea T-CAP Hydraulic M Series outdoor units.

Outdoor unit			WH-WXG09ME5	WH-WXG12ME5	WH-WXG09ME8	WH-WXG12ME8	WH-WXG16ME8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	9,00/5,23	12,00/5,06	9,00/5,23	12,00/5,06	16,00/4,89
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	9,00/3,24	12,00/3,23	9,00/3,24	12,00/3,23	16,00/3,20
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	9,00/3,81	12,00/3,54	9,00/3,81	12,00/3,54	16,00/3,30
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,00/2,54	12,00/2,42	9,00/2,54	12,00/2,42	16,00/2,37
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	9,00/3,45	12,00/3,00	9,00/3,45	12,00/3,00	16,00/2,53
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	9,00/2,35	12,00/2,17	9,00/2,35	12,00/2,17	16,00/1,97
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	9,00/3,61	9,00/3,61	9,00/3,61	9,00/3,61	9,00/3,61
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	9,00/5,26	12,00/5,26	9,00/5,26	12,00/5,26	16,00/5,26
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,96/3,57(195/140)	5,00/3,46(197/135)	5,00/3,50(197/137)	4,73/3,65(186/143)	4,75/3,70(187/115)
	Energy class [1]	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,33/4,40(250/173)	6,20/4,40(245/173)	6,08/4,45(240/175)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,45/3,20(175/125)	4,38/3,25(172/127)	4,33/3,40(170/133)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A+++/A++	A++/A++	A++/A++
Sound power [2]	Heat	dB(A)	52	53	52	53	57
Dimension	H x W x D	mm	1520 x 1200 x 430	1520 x 1200 x 430	1520 x 1200 x 430	1520 x 1200 x 430	1520 x 1200 x 430
Net weight		kg	161	161	161	161	165
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	30/175	30/175	30/175	30/175	30/175
Heating water flow (ΔT=5 K. 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	1,78/0,00004	1,78/0,00004	1,78/0,00004	1,78/0,00004	1,78/0,00004
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
	DHW	°C	-28 ~ +43	-28 ~ +43	-28 ~ +43	-28 ~ +43	-28 ~ +43
Water outlet	Heat / Cool	°C	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4] / 5 ~20	25 ~ 75 [4]) / 5 ~20
Recommended fuse, supply [5]		A	30	30	20	20	25
Recommended minimum cable size, supply [5]		mm²	3x4,0	3x4,0	5x1,5	5x1,5	5x2,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). 3) WH-WXG models are hermetically sealed. 4) Above -15 °C outdoor temperature. Between outdoor ambient -15 °C and -25 °C, the water outlet temperature gradually decreases from 75 °C to 55 °C. Below -25 °C outdoor temperature maximum water outlet temperature is 55 °C. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511.

Big Aquarea T-CAP Hydraulic M Series outdoor units.

Outdoor unit			WH-WXG20ME8	WH-WXG25ME8	WH-WXG30ME8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	20,00/4,80	25,00/4,50	30,00/4,40
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	20,00/3,18	25,00/3,00	30,00/3,00
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	20,00/3,39	25,00/2,80	30,00/2,50
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	20,00/2,08	25,00/1,97	30,00/1,95
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	20,00/2,48	25,00/2,36	30,00/2,33
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	20,00/1,90	25,00/1,80	30,00/1,49
Cooling capacity / EER (A 35 °C, W 7 °C) at Comfort mode		kW / EER	20,00/3,02	25,00/2,86	26,00/2,68
Cooling capacity / EER (A 35 °C, W 7 °C) at Efficiency mode (default)		kW / EER	15,00/3,61	15,00/3,61	15,00/3,61
Cooling capacity / EER (A 35 °C, W 18 °C) at Comfort mode		kW / EER	20,00/4,79	25,00/4,47	30,00/4,10
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,36/3,59 (171/141)	4,25/3,57 (167/140)	3,95/3,46 (155/135)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	5,37/4,07 (212/160)	5,22/4,14 (206/163)	4,93/4,01 (194/158)
	Energy class [1]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	3,07/2,57 (120/100)	3,16/2,71 (123/105)	3,20/2,71 (125/105)
	Energy class [1]	A+++ to D	A/A+	A+/A+	A+/A+
Sound power [2]	Heat	dB(A)	56	59	61
Dimension	H x W x D	mm	1645 x 1500 x 460	1645 x 1500 x 460	1645 x 1500 x 460
Net weight		kg	240	240	240
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed
	Input power (Min/Max)	W	230	230	230
Heating water flow (ΔT=5 K. 35 °C)		L/min	57,3	71,6	86,0
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	3,0/0,00006	3,0/0,00006	3,0/0,00006
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	20 ~ 75 [4] / 5 ~ 20	20 ~ 75 [4] / 5 ~ 20	20 ~ 75 [4] / 5 ~ 20
Recommended fuse, supply [5]		A	50	50	50
Recommended minimum cable size, supply [5]		mm²	5x10 - 5x16	5x10 - 5x16	5x10 - 5x16

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825 (part load). 3) WH-WXG models are hermetically sealed. 4) Above 15 °C ambient temperature. 5) Check local regulations. * EER and COP calculation is based in accordance to EN 14511.