NEW Aquarea T-CAP Hydraulic M Series Single phase / Three phase. Heating and Cooling · R290

Natural refrigerant R290 with GWP 3.
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 / Operation 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).



Tentative data

Combination table

Indoor unit		Backup heater capacity	DHW tank capacity	Electrical Anode	WH-	Outdoor unit – Heating capacity – Single phase 9,0 kW	Single phase 12,0 kW	Three phase 9,0 kW	Three phase 12,0 kW	Three phase 16,0 kW	Three phase 20,0 kW	Three phase 25,0 kW	Three phase 30,0 kW
						WXG09ME5	WXG12ME5	WXG09ME8	WXG12ME8	WXG16ME8	WXG20ME8	WXG25ME8	WXG30ME8
Hydraulic All in One	1ph	3 kW	185 L	—	WH-ADC0316M3E52	✔	✔	—	—	—	—	—	—
	1ph	3 kW	185 L	✔	WH-ADC0316M3E5AN2	✔	✔	—	—	—	—	—	—
	1ph	6 kW	185 L	—	WH-ADC0316M6E52	✔	✔	—	—	—	—	—	—
	3ph	9 kW	185 L	—	WH-ADC0316M9E82	✔	✔	✔	✔	✔	—	—	—
	3ph	9 kW	185 L	✔	WH-ADC0316M9E8AN2	✔	✔	✔	✔	✔	—	—	—
Control module	1ph	—	—	—	WH-CME5	✔	✔	—	—	—	—	—	—
	3ph	—	—	—	WH-CME8	✔	✔	✔	✔	✔	—	—	—
	3ph	—	—	—	WH-CME8L	—	—	—	—	—	✔	✔	✔
Remote controller with Wi-Fi adapter	—	—	—	—	CZ-RTW2TAW1C	✔	✔	✔	✔	✔	✔	✔	✔

			Aquarea T-CAP M Series					Big Aquarea T-CAP M Series		
Outdoor unit		WH-	WXG09ME5	WXG12ME5	WXG09ME8	WXG12ME8	WXG16ME8	WXG20ME8	WXG25ME8	WXG30ME8
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	20,00/4,66	25,00/4,40	30,00/4,36
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	20,00/3,18	25,00/3,00	30,00/3,00
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	20,00/3,39	25,00/3,21	30,00/2,98
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	20,00/2,08	25,00/1,96	30,00/1,95
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	20,00/2,48	25,00/2,35	30,00/2,32
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	20,00/1,60	25,00/1,51	30,00/1,49
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	20,00/3,12	25,00/2,95	30,00/2,02
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	20,00/3,58	25,00/3,44	30,00/3,31
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)	4,96/3,57 (195/140)	5,00/3,46 (197/135)	4,20/3,31 (168/129)			
	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)	6,47/4,34 (256/171)	6,47/4,34 (256/171)	5,88/4,09 (232/160)			
	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)	4,31/3,26 (169/127)	4,31/3,26 (169/127)	3,83/3,20 (150/125)			
	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	60	60	62
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1691 x 1315 x 604	1691 x 1315 x 604	1691 x 1315 x 604	1645 x 1500 x 460	1645 x 1500 x 460	1645 x 1500 x 460
Net weight		kg	161	161	161	161	165	260	260	260
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	1,78/0,006	1,78/0,006	1,78/0,006	1,78/0,006	1,77/0,006	2,6/0,008	2,6/0,008	2,6/0,008
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet	Heat / Cool	°C	25 ~ 75 / 5 ~ 20	25 ~ 75 / 5 ~ 20	25 ~ 75 / 5 ~ 20	25 ~ 75 / 5 ~ 20	25 ~ 75 / 5 ~ 20	20 ~ 75 / 5 ~ 20	20 ~ 75 / 5 ~ 20	20 ~ 75 / 5 ~ 20
Recommended RCD, supply		A	30	30	20	20	25			
Recommended minimum cable size, supply [1]		mm²	3x4,0	3x4,0	5x1,5	5x1,5	5x2,5			

1) Scale from A+++ to D. 2) Sound power level in accordance to EN12102 under conditions of the EN14825. 3) WH-WXG models are hermetically sealed. 4) Check local regulations.* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC.

R290 | 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.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™ insulation panel / DHW COP up to 3,60.
Flexibility: Backup heater included / Built-in 10 L expansion vessel / 30 m maximum height difference between indoor and outdoor / Installation in harsh water conditions (for models with Electrical Anode).
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included / Optional integration into BMS.

Indoor unit			**WH-ADC0316M3E52**	**WH-ADC0316M6E52**	**WH-ADC0316M9E82**
Indoor unit with Electrical Anode			**WH-ADC0316M3E5AN2**	**—**	**WH-ADC0316M9E8AN2**
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight		kg	89	89	89
Water pipe connector	Room	Inch	1¼	1¼	1¼
	Shower	Inch	3/4	3/4	3/4
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1¼/1¼	1¼/1¼	1¼/1¼
Pipe length range standard / maximum		m	5/30	5/30	5/30
Elevation difference (in / out)		m	30	30	30
Electric backup heater		kW	3,00	6,00	9,00
Recommended RCD, supply		A	16	30	20
Recommended minimum cable size, supply [1]		mm²	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75	2x0,75

Tentative data

Domestic Hot Water energy efficiency

Indoor unit	**WH-**	**ADC0316M3E52**	**ADC0316M3E52**	**ADC0316M9E82**	**ADC0316M9E82**	**ADC0316M9E82**
		ADC0316M3E5AN2	**ADC0316M3E5AN2**	**ADC0316M9E8AN2**	**ADC0316M9E8AN2**	**ADC0316M9E8AN2**
Outdoor unit		**WH-WXG09ME5**	**WH-WXG12ME5**	**WH-WXG09ME8**	**WH-WXG12ME8**	**WH-WXG16ME8**
Tapping profile according EN16147		L	L	L	L	L
DHW tank ERP efficiency average / warm / cold [2]	A+ to F	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A	A+/A+/A
DHW tank ERP average climate η / COPdHW	ηwh%/COPdHW	123/3,00	123/3,00	123/3,00	123/3,00	117/2,85
DHW tank ERP warm climate η / COPdHW	ηwh%/COPdHW	132/3,30	132/3,30	132/3,30	132/3,30	128/3,20
DHW tank ERP cold climate η / COPdHW	ηwh%/COPdHW	88/2,20	88/2,20	88/2,20	88/2,20	84/2,10

1) Check local regulations. 2) Scale from A+ to F. ** 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.

Control module:

Flexibility: Simplified installation / Minimal interior space required / Supports third-party backup heater.
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included / Optional integration into BMS.

Indoor unit			**WH-CME5**	**WH-CME8**	**WH-CME8L**
Dimension	H x W x D	mm	450 x 450 x 117	450 x 450 x 117	450 x 450 x 117
Net weight		kg	7	7	7
Field supply electrical backup heater		kW	Up to 3 kW	Up to 9 kW	
Recommended RCD, supply		A	16	30	20
Recommended minimum cable size, supply [1]		mm²	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75	

Tentative data

1) Check local regulations.

Common 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-1	1 antifreeze valve. It is required to order 2 valves per system

Bi-bloc 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