

NEW Aquarea T-CAP Hydraulic M Series. Single phase / Three phase · 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 / 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].



Combination table													
Indoor unit					Outdoor unit								
					Heating capacity								
					Single phase			Three phase					
9,0 kW	12,0 kW	9,0 kW	12,0 kW	16,0 kW							20,0 kW	25,0 kW	30,0 kW
WH-					WXG09ME5	WXG12ME5	WXG09ME8	WXG12ME8	WXG16ME8	WXG20ME8	WXG25ME8	WXG30ME8	
Hydraulic All in One	1ph	3 kW	185 L	—	WH-ADC0916M3E52	✓	✓	—	—	—	—	—	—
		3 kW	185 L	✓	WH-ADC0916M3E5AN2	✓	✓	—	—	—	—	—	—
		6 kW	185 L	—	WH-ADC0916M6E52	✓	✓	—	—	—	—	—	—
	3ph	9 kW	185 L	—	WH-ADC0316M9E82	✓	✓	✓	✓	✓	—	—	—
		9 kW	185 L	✓	WH-ADC0316M9E8AN2	✓	✓	✓	✓	✓	—	—	—
		9 kW	260 L	—	WH-ADC0316M9E83	✓	✓	✓	✓	✓	—	—	—
		9 kW	260 L	✓	WH-ADC0316M9E8AN3	✓	✓	✓	✓	✓	—	—	—
		Hydraulic Bi-bloc	3ph	9 kW	—	—	WH-SDC0316M9E8	✓	✓	✓	✓	✓	—
9 kW	—			—	—	WH-CME5	✓	✓	—	—	—	—	—
Control module	1ph	—	—	—	WH-CME5	✓	✓	—	—	—	—	—	—
	3ph	—	—	—	WH-CME8	✓	✓	✓	✓	✓	—	—	—
Remote controller with Wi-Fi adapter	—	—	—	—	WH-CME8L	—	—	—	—	—	✓	✓	✓
		—	—	—	CZ-RTW2TAW1C	✓	✓	✓	✓	✓	✓	✓	✓

Aquarea T-CAP M Series									
Outdoor unit		WH-	WXG09ME5	WXG12ME5	WXG09ME8	WXG12ME8	WXG16ME8	WXG20ME8	WXG25ME8
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	20,00/4,80	25,00/4,50
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
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	25,00/2,80
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	25,00/1,97
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	25,00/2,36
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	20,00/1,90	25,00/1,80
Cooling capacity / EER (A 35 °C, W 7 °C) at Comfort mode	kW / EER		—	—	—	—	—	20,00/3,02	25,00/2,86
Cooling capacity / EER (A 35 °C, W 7 °C) at Efficiency mode (default)	kW / EER		9,00/3,61	9,00/3,61	9,00/3,61	9,00/3,61	9,00/3,61	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
Heating average climate	Seasonal energy efficiency	SCOP (η _s %)	5,00/3,50 (197/137)	4,73/3,65 (186/143)	5,00/3,50 (197/137)	4,73/3,65 (186/143)	4,75/3,70 (187/145)	4,36/3,59 (171/141)	4,25/3,57 (167/140)
(W 35 °C / W 55 °C)	Energy class ¹⁾	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating warm climate	Seasonal energy efficiency	SCOP (η _s %)	6,33/4,40 (250/173)	6,20/4,40 (245/173)	6,33/4,40 (250/173)	6,20/4,40 (245/173)	6,08/4,45 (240/175)	5,37/4,07 (212/160)	5,22/4,14 (206/163)
(W 35 °C / W 55 °C)	Energy class ¹⁾	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate	Seasonal energy efficiency	SCOP (η _s %)	4,45/3,20 (175/125)	4,38/3,25 (172/127)	4,45/3,20 (175/125)	4,38/3,25 (172/127)	4,33/3,40 (170/133)	3,07/2,57 (120/100)	3,16/2,71 (123/105)
(W 35 °C / W 55 °C)	Energy class ¹⁾	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Sound power ²⁾	Heat	dB(A)	52	53	52	53	57	56	59
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	1645 x 1500 x 460	1645 x 1500 x 460
Net weight		kg	163	163	163	163	165	240	240
A class pump	Number of speeds		Variable speed	Variable speed	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	230	230
Heating water flow (ΔT=5 K, 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9	57,3	71,6
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	3,0/0,009	3,0/0,009
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+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 ⁴⁾ / 5 ~ 20	20 ~ 75 ⁴⁾ / 5 ~ 20
Recommended fuse, supply ⁵⁾		A	30	30	20	20	25	50	50
Recommended minimum cable size, supply ⁴⁾		mm ²	3x4,0	3x4,0	5x1,5	5x1,5	5x2,5	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.



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-ADC0916M3E52	WH-ADC0916M6E52	WH-ADC0316M9E82	WH-ADC0316M9E83*
Indoor unit with Electrical Anode			WH-ADC0916M3E5AN2	—	WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN3*
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22	22/22
Dimension / Net weight	H x W x D	mm / kg	1642 x 599 x 602/89	1642 x 599 x 602/89	1642 x 599 x 602/89	2036 x 599 x 602/105
Water pipe connector	Room / Shower	Inch	1¼/¾	1¼/¾	1¼/¾	1¼/¾
Water volume		L	185	185	185	260
Maximum DHW temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1¼/1¼	1¼/1¼	1¼/1¼	1¼/1¼
Pipe length range standard / maximum		m	5/30	5/30	5/30	5/30
Elevation difference (in / out)		m	30	30	30	30
Electric backup heater		kW	3,00	6,00	9,00	9,00
Recommended fuse, supply ¹⁾		A	15/16	30	20	20
Recommended minimum cable size, supply ¹⁾		mm ²	3x1,5	3x4,0	5x1,5	5x1,5
Connecting cable to the outdoor unit size		mm ²	2x0,75	2x0,75	2x0,75	2x0,75

Domestic Hot Water energy efficiency

		ADC0916M3E52	ADC0916M3E52	ADC0316M9E82	ADC0316M9E82	ADC0316M9E82
Indoor unit	WH-	ADC0916M3E5AN2	ADC0916M3E5AN2	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	η_{wh} % / COPdHW	123 / 3,00	123 / 3,00	123 / 3,00	123 / 3,00	117 / 2,85
DHW tank ERP warm climate η / COPdHW	η_{wh} % / COPdHW	132 / 3,30	132 / 3,30	132 / 3,30	132 / 3,30	128 / 3,20
DHW tank ERP cold climate η / COPdHW	η_{wh} % / 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. * Available in December 2024. Tentative data. ** 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.

Bi-bloc:

Flexibility: Flexible choice of DHW tank size.

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-SDC0316M9E8
Sound pressure	Heat / Cool	dB(A)	22/22
Dimension / Net weight	H x W x D	mm	892 x 500 x 348/29
Water pipe connector (indoor / outdoor units)		Inch	1¼/1¼
Pipe length range standard / maximum		m	5/30
Elevation difference (in / out)		m	30
Electric backup heater		kW	9,00
Recommended fuse, supply ¹⁾		A	20
Recommended minimum cable size, supply ¹⁾		mm ²	5x1,5
Connecting cable to the outdoor unit size		mm ²	2x0,75

1) Check local regulations. * Available in December 2024. Tentative data. ** 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.

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-RTWIREDLESS	Wireless LCD room thermostat
PAW-A2W-AFVLV-1	1 antifreeze valve. It is required to order 2 valves per system

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	454 x 520 x 116	454 x 520 x 116	450 x 450 x 116
Net weight		kg	7	7	7
Field supply electrical backup heater		kW	Up to 3 kW	Up to 9 kW	Up to 18 kW
Recommended fuse, supply ¹⁾		A	16	20	≤9kW 9kW< ≤18 kW 20 40
Recommended minimum cable size, supply ¹⁾		mm ²	3x1,5	5x1,5	≤12kW 12kW< ≤15 kW 5x2,5 5x4,0 15kW< ≤18 kW 5x6,0
Connecting cable to the outdoor unit size		mm ²	2x0,75	2x0,75	2x0,75

1) Check local regulations.

Accessories

CZ-NV3	3 way valve kit to fit inside the hydrokit. M Series
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