NEW

NEW! Aquarea High Performance Hydraulic M Series outdoor units. Single phase · R290

Natural refrigerant R290 with GWP 0,02.
Energy efficiency: A+++ in heating at 35 °C.
Flexibility: Hydronic connection between indoor and outdoor / Built-in magnetic water filter.
Comfort: Operation without backup heating at -25 °C / 75 °C water outlet temperature maximum at -15 °C outside temperature / 55 °C hot water even at -25 °C outside temperature.



A++ ERP 55 °C A+++ TO D
A+++ ERP 35 °C A+++ TO D
A+ DHW* A+ TO F
*For All in One.
Included

Combination table						Outdoor unit				
Indoor unit						Heating capacity				
						Single phase		Three phase		
		DHW tank	Backup heater capacity	Electrical anode		12,0 kW	16,0 kW	9,0 kW	12,0 kW	16,0 kW
						WH-WDG12ME5	WH-WDG16ME5	WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8
Hydraulic All in One	1ph	120 L	3 kW	—	WH-ADC0916M3E51	✔	✔	—	—	—
		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-ADC0316M9E81	✔	✔	✔	✔	✔
		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	✔	✔	✔	✔	✔

Outdoor unit			WH-WDG12ME5	WH-WDG16ME5	WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,00/4,88	16,00/4,65	9,00/5,10	12,00/4,88	16,00/4,65
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,00/3,06	14,70/3,00	9,00/3,10	12,00/3,06	14,70/3,00
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	12,00/3,46	13,00/3,30	9,00/3,81	12,00/3,46	13,00/3,30
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	12,00/2,27	12,00/2,27	9,00/2,52	12,00/2,27	12,00/2,27
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,50/3,00	11,70/2,63	9,00/3,16	10,50/3,00	11,70/2,63
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	10,00/1,97	10,80/1,90	9,00/2,07	10,00/1,97	10,80/1,90
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	9,00/5,26	9,00/5,26	9,00/5,26	9,00/5,26
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	4,65/3,50(183/137)	4,58/3,58(180/140)	4,84/3,57(191/140)	4,65/3,58(183/140)	4,58/3,58(180/140)
	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 %)	6,20/4,34(245/171)	6,20/4,34(245/171)	6,01/4,17(237/164)	6,20/4,34(245/171)	6,20/4,34(245/171)
	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 %)	4,35/3,26(171/127)	4,30/3,26(169/127)	4,23/3,12(166/122)	4,35/3,26(171/127)	4,30/3,26(169/127)
	Energy class [1]	A+++ to D	A++/A++	A++/A++	A++/A+	A++/A++	A++/A++
Sound power [2]	Heat	dB(A)	55	58	54	55	58
Dimension / Net weight	H x W x D	mm / kg	1520x1200x370/147	1520x1200x370/147	1520x1200x370/151	1520x1200x370/151	1520x1200x370/151
Pipe length range standard / maximum		m	5/30	5/30	5/30	5/30	5/30
Elevation difference (in / out)		m	30	30	30	30	30
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	34,4	45,9	25,8	34,4	45,9
Refrigerant (R290) / CO_2 Eq. [3]		kg / T	1,58/0,00003	1,58/0,00003	1,58/0,00003	1,58/0,00003	1,58/0,00003
Operating range - outdoor ambient	Heat	°C	-25~+35	-25~+35	-25~+35	-25~+35	-25~+35
	Cool	°C	+10~+43	+10~+43	+10~+43	+10~+43	+10~+43
Water outlet	Heat [4] / Cool	°C	25~75/5~20	25~75/5~20	25~75/5~20	25~75/5~20	25~75/5~20
Recommended fuse, supply [5]		A	32	32	20	20	20
Recommended minimum cable size, supply [5]		mm²	3x4,0	3x4,0	5x1,5	5x1,5	5x1,5

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

R290 REFRIGERANT · A++ ErP 55 °C · A+++ ErP 35 °C · A+ DHW · INVERTER+ · A CLASS WATER PUMP AUTO SPEED · DHW · -25 °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.



A++ ERP 55 °C A+++ TO D

A+++ ERP 35 °C A+++ TO D

A+ DHW* A+ TO F

Included

Aquarea High Performance Hydraulic M Series indoor units. Single phase · R290

Natural refrigerant R290 with GWP 0,02.
Control: All control functions / 2 CN-CNT ports / Optional PCB for advanced functions.
Connectivity: Wi-Fi adapter included for smart control via Comfort Cloud App / Optional integration into BMS.

All in One:

Energy efficiency: A+ in DHW / DHW up to 65 °C without heater / Stainless steel DHW tank with U-Vacua™.
Flexibility: Backup heater included / Built-in 10 L expansion vessel / 30 m maximum height difference between indoor and outdoor / Suitable for harsh-water installations (AN version).

Indoor unit		WH-ADC	0916M3E51	0316M9E81	0916M3E52	0916M6E52	0316M9E82	0916M3E53	0916M6E53	0316M9E83
Indoor unit with Electrical Anode		WH-ADC	—	—	0916M3E5AN2	—	0316M9E8AN2	0916M3E5AN3	—	0316M9E8AN3
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22	22/22	22/22	22/22	22/22	22/22
Dimension / Net weight	H x W x D	mm / kg	1293 x 599 x 602 / 73	1293 x 599 x 602 / 77	1642 x 599 x 602 / 88	1642 x 599 x 602 / 88	1642 x 599 x 602 / 89	2036 x 599 x 602 / 105	2036 x 599 x 602 / 105	2036 x 599 x 602 / 105
Water pipe connector	Room / Shower	Inch	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾	1¼ / ¾
Water volume		L	120	120	185	185	185	260	260	260
Maximum DHW temperature		°C	65	65	65	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼
Electric backup heater		kW	3,00	9,00	3,00	6,00	9,00	3,00	6,00	9,00
Recommended fuse, supply [1]		A	15/16	20	15/16	30	20	15/16	30	20
Recommended minimum cable size, supply [1]		mm²	3x1,5	5x1,5	3x1,5	3x4,0	5x1,5	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size		mm²	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75

Domestic Hot Water energy efficiency

Indoor unit	WH-	ADC0916M3E51	ADC0916M3E51	ADC0916M3E52	ADC0916M3E52	ADC0916M3E53	ADC0916M3E53
		—	—	ADC0916M3E5AN2	ADC0916M3E5AN2	ADC0916M3E5AN3	ADC0916M3E5AN3
		—	—	ADC0916M6E52	ADC0916M6E52	ADC0916M6E53	ADC0916M6E53
Outdoor unit		WH-WDG12ME5	WH-WDG16ME5	WH-WDG12ME5	WH-WDG16ME5	WH-WDG12ME5	WH-WDG16ME5
Tapping profile according EN16147		M	M	L	L	XL	XL
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	A/A+/A
DHW tank ERP average climate ɳ / COPdHW	ɳwh%/COPdHW	100/2,51	96/2,40	120/3,00	115/2,87	124/3,10	114/2,85
DHW tank ERP warm climate ɳ / COPdHW	ɳwh%/COPdHW	104/2,60	101/2,51	134/3,35	134/3,35	134/3,35	134/3,35
DHW tank ERP cold climate ɳ / COPdHW	ɳwh%/COPdHW	73/1,82	70/1,75	88/2,20	84/2,10	94/2,35	84/2,10

Domestic Hot Water energy efficiency

Indoor unit		WH-ADC0316M9E81	WH-ADC0316M9E81	WH-ADC0316M9E81	WH-ADC0316M9E82	WH-ADC0316M9E82
		—	—	—	WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN2
Outdoor unit		WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8	WH-WDG09ME8	WH-WDG12ME8
Tapping profile according EN16147		M	M	M	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 ɳ / COPdHW	ɳwh%/COPdHW	100/2,51	100/2,51	96/2,40	120/3,00	120/3,00
DHW tank ERP warm climate ɳ / COPdHW	ɳwh%/COPdHW	108/2,70	108/2,70	101/2,51	134/3,35	134/3,35
DHW tank ERP cold climate ɳ / COPdHW	ɳwh%/COPdHW	73/1,82	73/1,82	70/1,75	88/2,20	88/2,20

Domestic Hot Water energy efficiency

Indoor unit	WH-ADC	WH-ADC0316M9E82	WH-ADC0316M9E83	WH-ADC0316M9E83	WH-ADC0316M9E83
		WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3
Outdoor unit		WH-WDG16ME8	WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8
Tapping profile according EN16147		L	XL	XL	XL
DHW tank ERP efficiency average / warm / cold [2]	A+ to F	A+/A+/A	A+/A+/A	A+/A+/A	A/A+/A
DHW tank ERP average climate ɳ / COPdHW	ɳwh%/COPdHW	115/2,87	124/3,10	124/3,10	114/2,85
DHW tank ERP warm climate ɳ / COPdHW	ɳwh%/COPdHW	134/3,35	134/3,35	134/3,35	134/3,35
DHW tank ERP cold climate ɳ / COPdHW	ɳwh%/COPdHW	84/2,10	94/2,35	94/2,35	84/2,10

1) Check local regulations. 2) Scale from A+ to F. Energy class A with 16 kW outdoor unit. *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.