

























Check all our certified heat pumps on:
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Aquarea High Performance	5 kW	7 kW	9 kW	12 kW	16 kW
<p>P. 76 , 78</p> <p>All in One - R290 1ph - 3ph</p> 	 <p>WH-ADC0509L3E51 WH-ADC0509L3E5 1) WH-ADC0509L3E5B WH-ADC0509L3E5AN 1) WH-WDG05LE5</p>	 <p>WH-ADC0509L3E51 WH-ADC0509L3E5 1) WH-ADC0509L3E5B WH-ADC0509L3E5AN 1) WH-WDG07LE5</p>	 <p>WH-ADC0509L3E51 WH-ADC0509L3E5 1) WH-ADC0509L3E5B WH-ADC0509L3E5AN 1) WH-WDG09LE5</p> <p>WH-ADC0316M9E81 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 NEW! WH-WDG09ME8</p>	 <p>WH-ADC0916M3E51 WH-ADC0916M3E52 1) WH-ADC0916M3E5AN2 WH-ADC0916M3E53 1) WH-ADC0916M3E5AN3 WH-ADC0316M9E81 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 NEW! WH-WDG12ME5 WH-WDG12ME8</p>	 <p>WH-ADC0916M3E51 WH-ADC0916M3E52 1) WH-ADC0916M3E5AN2 WH-ADC0916M3E53 1) WH-ADC0916M3E5AN3 WH-ADC0316M9E81 WH-ADC0316M9E82 WH-ADC0316M9E8AN2 WH-ADC0316M9E83 WH-ADC0316M9E8AN3 NEW! WH-WDG16ME5 WH-WDG16ME8</p>
<p>P. 76 , 78</p> <p>Bi-bloc - R290 1ph - 3ph</p> 	 <p>WH-SDC0509L3E5 1) WH-WDG05LE5</p>	 <p>WH-SDC0509L3E5 1) WH-WDG07LE5</p>	 <p>WH-SDC0509L3E5 1) WH-WDG09LE5</p> <p>WH-SDC0916M3E5 1) WH-SDC0316M9E8 NEW! WH-WDG09ME8</p>	 <p>WH-SDC0916M3E5 1) WH-SDC0316M9E8 NEW! WH-WDG12ME5 WH-WDG12ME8</p>	 <p>WH-SDC0916M3E5 1) WH-SDC0316M9E8 NEW! WH-WDG16ME5 WH-WDG16ME8</p>
<p>P. 78</p> <p>Control module - R290 1ph - 3ph</p> 			 <p>WH-CME8 NEW! WH-WDG09ME8</p>	 <p>WH-CME5 WH-CME8 NEW! WH-WDG12ME5 WH-WDG12ME8</p>	 <p>WH-CME5 WH-CME8 NEW! WH-WDG16ME5 WH-WDG16ME8</p>
<p>P. 78</p> <p>Stand-alone - R290 2) 1ph - 3ph</p> 			 <p>NEW! WH-WDG09ME8</p>	 <p>NEW! WH-WDG12ME5 WH-WDG12ME8</p>	 <p>NEW! WH-WDG16ME5 WH-WDG16ME8</p>
<p>P. 81</p> <p>Mono-bloc - R32 1ph</p>	 <p>NEW! WH-MDC05J3E5-1</p>	 <p>NEW! WH-MDC07J3E5-1</p>	 <p>NEW! WH-MDC09J3E5-1</p>		

Models with R290 refrigerant. Models with R32 refrigerant.
1) Also available with other backup heater capacities. 2) Requires CZ-RTW2TAW1C.
WH-__E5 1ph // WH-__E8 3ph.

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.

NEW



*For All in One.

Included



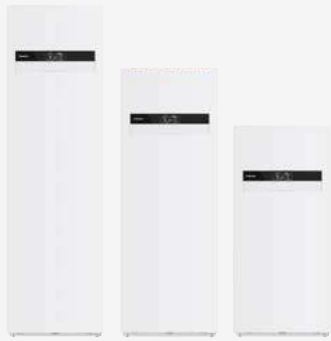
Combination table				Outdoor unit					
Indoor unit				Heating capacity					
	DHW tank	Backup heater capacity	Electrical anode	Single phase		Three phase			
				12,0 kW	16,0 kW	9,0 kW	12,0 kW	16,0 kW	
				WH-WDG12ME5	WH-WDG16ME5	WH-WDG09ME8	WH-WDG12ME8	WH-WDG16ME8	
Hydraulic All in One	1ph	120 L	3 kW	—	✓	✓	—	—	—
		185 L	3 kW	—	✓	✓	—	—	
		185 L	3 kW	✓	✓	✓	—	—	
		185 L	6 kW	—	✓	✓	—	—	
		260 L	3 kW	—	✓	✓	—	—	
	3ph	260 L	3 kW	✓	✓	✓	—	—	
		260 L	6 kW	—	✓	✓	—	—	
		120 L	9 kW	—	✓	✓	✓	✓	
		185 L	9 kW	—	✓	✓	✓	✓	
		185 L	9 kW	✓	✓	✓	✓	✓	
Hydraulic Bi-bloc	1ph	—	3 kW	—	✓	✓	—	—	
		—	6 kW	—	✓	✓	—	—	
	3ph	—	9 kW	—	✓	✓	✓	✓	
		—	9 kW	✓	✓	✓	✓	✓	
Control module	1ph	—	—	—	✓	✓	—	—	
	3ph	—	—	—	✓	✓	✓	✓	
Remote controller with Wi-Fi adapter	—	—	—	—	✓	✓	✓	✓	

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++
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+++
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++
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⁾		mm ²	3x4,0	3x4,0	5x1,5	5x1,5	5x1,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 14825 (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.



DHW A+: For All in One.



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
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
Water pipe connector	Room / Shower	Inch	1¼/¾	1¼/¾	1¼/¾	1¼/¾	1¼/¾	1¼/¾	1¼/¾
Water volume		L	120	120	185	185	185	260	260
Maximum DHW temperature		°C	65	65	65	65	65	65	65
Material inside tank			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
Electric backup heater		kW	3,00	9,00	3,00	6,00	9,00	3,00	6,00
Recommended fuse, supply ¹⁾		A	15/16	20	15/16	30	20	15/16	30
Recommended minimum cable size, supply ¹⁾		mm ²	3x1,5	5x1,5	3x1,5	3x4,0	5x1,5	3x1,5	3x4,0
Connecting cable to the outdoor unit size		mm ²	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75	2x0,75

Domestic Hot Water energy efficiency

Indoor unit	WH-	ADC0916M3E51		ADC0916M3E52		ADC0916M3E53		ADC0916M3E53	
		—	—	ADC0916M3E5AN2	ADC0916M3E5AN2	ADC0916M3E5AN3	ADC0916M3E5AN3	ADC0916M6E52	ADC0916M6E52
Outdoor unit		WH-WDG12ME5		WH-WDG12ME5		WH-WDG12ME5		WH-WDG12ME5	
Tapping profile according EN16147		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	
DHW tank ERP average climate η / COPdHW	η_{wh} %/COPdHW	100/2,51		96/2,40		115/2,87		124/3,10	
DHW tank ERP warm climate η / COPdHW	η_{wh} %/COPdHW	104/2,60		101/2,51		134/3,35		134/3,35	
DHW tank ERP cold climate η / COPdHW	η_{wh} %/COPdHW	73/1,82		70/1,75		88/2,20		84/2,10	

Domestic Hot Water energy efficiency

Indoor unit	WH-ADC	WH-ADC0316M9E81		WH-ADC0316M9E82		WH-ADC0316M9E82	
		—	—	—	WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN2
Outdoor unit		WH-WDG09ME8		WH-WDG12ME8		WH-WDG12ME8	
Tapping profile according EN16147		M		M		L	
DHW tank ERP efficiency average / warm / cold ²⁾	A+ to F	A+/A+/A		A+/A+/A		A+/A+/A	
DHW tank ERP average climate η / COPdHW	η_{wh} %/COPdHW	100/2,51		100/2,51		120/3,00	
DHW tank ERP warm climate η / COPdHW	η_{wh} %/COPdHW	108/2,70		108/2,70		134/3,35	
DHW tank ERP cold climate η / COPdHW	η_{wh} %/COPdHW	73/1,82		73/1,82		88/2,20	

Domestic Hot Water energy efficiency

Indoor unit	WH-ADC	WH-ADC0316M9E82		WH-ADC0316M9E83		WH-ADC0316M9E83	
		WH-ADC0316M9E8AN2	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3	WH-ADC0316M9E8AN3
Outdoor unit		WH-WDG16ME8		WH-WDG09ME8		WH-WDG12ME8	
Tapping profile according EN16147		L		XL		XL	
DHW tank ERP efficiency average / warm / cold ²⁾	A+ to F	A+/A+/A		A+/A+/A		A+/A+/A	
DHW tank ERP average climate η / COPdHW	η_{wh} %/COPdHW	115/2,87		124/3,10		124/3,10	
DHW tank ERP warm climate η / COPdHW	η_{wh} %/COPdHW	134/3,35		134/3,35		134/3,35	
DHW tank ERP cold climate η / COPdHW	η_{wh} %/COPdHW	84/2,10		94/2,35		94/2,35	

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.

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.



Bi-bloc:

Flexibility: Flexible choice of DHW tank size.

Indoor unit			WH-SDC0916M3E5	WH-SDC0916M6E5	WH-SDC0316M9E8
Sound pressure	Heat / Cool	dB(A)	22/22	22/22	22/22
Dimension / Net weight	H x W x D	mm / kg	892 x 500 x 348 / 28	892 x 500 x 348 / 28	892 x 500 x 348 / 29
Water pipe connector	Room	Inch	1¼	1¼	1¼
Water pipe connector (indoor / outdoor units)		Inch	1¼ / 1¼	1¼ / 1¼	1¼ / 1¼
Electric backup heater		kW	3,00	6,00	9,00
Recommended fuse, supply ¹⁾		A	15/16	30	20
Recommended minimum cable size, supply ¹⁾		mm ²	3x1,5	3x4,0	5x1,5
Connecting cable to the outdoor unit size		mm ²	2x0,75	2x0,75	2x0,75

¹⁾ Check local regulations. *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.

Indoor unit			WH-CME5	WH-CME8
Dimension / Net weight	H x W x D	mm / kg	454 x 520 x 116 / 7	454 x 520 x 116 / 7
Field supply electrical backup heater		kW	Up to 3 kW	Up to 9 kW
Recommended fuse, supply ¹⁾		A	16	30
Recommended minimum cable size, supply ¹⁾		mm ²	3x1,5	3x4,0
Connecting cable to the outdoor unit size		mm ²	2x0,75	2x0,75

¹⁾ Check local regulations.

Accessories	
CZ-RTW2TAW1C	Remote controller with Wi-Fi adapter (required for stand-alone outdoor units). M Series
CZ-RTW2-1	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 1". It is required to order 2 valves per system

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