

## Aquarea High Performance Hydraulic L Series Single phase. Heating and Cooling - R290

**Natural refrigerant R290 with GWP 3.**

**Energy efficiency:** A+++ in heating at 35 °C.

**Flexibility:** Hydraulic 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 -10 °C outside temperature / 55 °C hot water even at -25 °C outside temperature.



\* For All in One.

Combination table									
Indoor unit					Outdoor unit				
Backup heater capacity	DHW tank capacity	Electrical Anode	2 zones	Heating capacity					
				Single phase (power to indoor)					
				5,0 kW	7,0 kW	9,0 kW			
				WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5			
Hydraulic All in One	1ph	3 kW	185 L	—	—	WH-ADC0509L3E5	✓	✓	✓
		3 kW	185 L	✓	—	WH-ADC0509L3E5AN	✓	✓	✓
		3 kW	185 L	—	✓	WH-ADC0509L3E5B	✓	✓	✓
		6 kW	185 L	—	—	WH-ADC0509L6E5	✓	✓	✓
		6 kW	185 L	✓	—	WH-ADC0509L6E5AN	✓	✓	✓
Hydraulic Bi-bloc	1ph	3 kW	—	—	—	WH-SDC0509L3E5	✓	✓	✓
		6 kW	—	—	—	WH-SDC0509L6E5	✓	✓	✓

Outdoor unit			WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	5,00/5,05	7,00/4,93	9,00/4,55
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	5,00/3,07	7,00/2,98	8,90/3,03
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	5,00/3,52	6,85/3,43	7,00/3,41
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	5,00/2,34	6,25/2,34	7,00/2,41
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,00/3,01	5,80/3,01	7,00/2,80
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,00/2,12	5,80/2,12	7,00/2,13
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	5,00/3,23	7,00/3,03	8,20/2,82
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	5,00/5,00	7,00/4,73	9,00/4,19
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	5,06/3,63(200/142)	4,96/3,62(195/142)	4,84/3,67(190/144)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,00/4,27(237/168)	6,31/4,52(249/178)	6,44/4,50(255/177)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,25/3,28(167/128)	4,25/3,29(167/129)	4,31/3,33(170/130)
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A++	A++/A++
Sound power <sup>2)</sup>	Heat	dB(A)	52	53	54
Dimension / Net weight	HxWxD	mm / kg	996x980x430/98	996x980x430/98	996x980x430/97
Refrigerant (R290) / CO <sub>2</sub> Eq.		kg / T	0,96/0,003	0,96/0,003	1,00/0,003
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 ~ 75/5 ~ 20	20 ~ 75/5 ~ 20	20 ~ 75/5 ~ 20

1) Scale from A+++ to D. 2) The sound power level is measured with accordance to EN12102 under conditions of the EN14825 (part load). \* EER and COP calculation is based in accordance to EN14511.



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 3,60.

**Flexibility:** Built-in 2 zone kit (for 2 zones models) / Installation in harsh water conditions (for models with Electrical Anode).

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Wi-Fi adapter included.

Indoor unit			WH-ADC0509L3E5	WH-ADC0509L6E5
Indoor unit 2 zones			WH-ADC0509L3E5B	—
Indoor unit with Electrical Anode			WH-ADC0509L3E5AN	WH-ADC0509L6E5AN
Sound pressure	Heat / Cool	dB(A)	28/28	28/28
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602
Net weight / 2 zones model		kg	93/101	94/—
Water pipe connector	Room	Inch	1¼	1¼
	Shower	Inch	¾	¾
A class pump	Number of speeds		Variable speed	Variable speed
	Input power (Min/Max)	W	30/145	30/145
Heating water flow (ΔT=5 K, 35 °C)		L/min	14,3	25,8
Water volume		L	185	185
Maximum DHW temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30
Elevation difference (in / out)		m	10	10
Electric backup heater		kW	3,00	6,00
Recommended RCD, supply 1 / 2		A	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>11</sup>		mm <sup>2</sup>	3x2,5/3x1,5	3x2,5/3x4,0

### Domestic Hot Water energy efficiency

Indoor unit	WH-ADC0509L3E5		WH-ADC0509L3E5	WH-ADC0509L3E5
	WH-ADC0509L3E5AN		WH-ADC0509L3E5AN	WH-ADC0509L3E5AN
	WH-ADC0509L3E5B		WH-ADC0509L3E5B	WH-ADC0509L3E5B
	WH-ADC0509L6E5		WH-ADC0509L6E5	WH-ADC0509L6E5
	WH-ADC0509L6E5AN		WH-ADC0509L6E5AN	WH-ADC0509L6E5AN
	WH-ADC0509L6E5AN		WH-ADC0509L6E5AN	WH-ADC0509L6E5AN
Outdoor unit	WH-WDG05LE5		WH-WDG07LE5	WH-WDG09LE5
Tapping profile according EN16147		L	L	L
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>	A+ to F	A+ / A+ / A	A+ / A+ / A	A+ / A+ / A
DHW tank ERP average climate η / COPdHW	η <sub>wh</sub> % / COPdHW	148/3,61	148/3,61	148/3,61
DHW tank ERP warm climate η / COPdHW	η <sub>wh</sub> % / COPdHW	160/4,00	160/4,00	160/4,00
DHW tank ERP cold climate η / COPdHW	η <sub>wh</sub> % / COPdHW	112/2,80	112/2,80	112/2,80

<sup>1)</sup> Check local regulations. <sup>2)</sup> 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.

## Bi-bloc:

**Flexibility:** Flexible choice of DHW tank size.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Wi-Fi adapter included.

Indoor unit			WH-SDC0509L3E5	WH-SDC0509L6E5
Sound pressure	Heat / Cool	dB(A)	28/28	28/28
Dimension / Net weight	H x W x D	mm	892 x 500 x 348 / 33	892 x 500 x 348 / 33
Water pipe connector	Room	Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed
	Input power (Min/Max)	W	30/145	30/145
Heating water flow (ΔT=5 K, 35 °C)		L/min	14,3	20,1
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30
Elevation difference (in / out)		m	10	10
Electric backup heater		kW	3,00	6,00
Recommended RCD, supply 1 / 2		A	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>11</sup>		mm <sup>2</sup>	3x2,5/3x1,5	3x2,5/3x4,0

<sup>1)</sup> 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.

Common accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIRELESS</b>	Wireless LCD room thermostat
<b>PAW-A2W-AFVLV-1</b>	1 antifreeze valve. It is required to order 2 valves per system

Bi-bloc accessories	
<b>PAW-TD20C1E5-1</b>	Tank 200 L - Stainless steel
<b>PAW-TD30C1E5-1</b>	Tank 300 L - Stainless steel
<b>PAW-TA20C1E5STD</b>	Tank 200 L - Enamelled
<b>PAW-TA30C1E5STD</b>	Tank 300 L - Enamelled
<b>PAW-3WYVLV-HW</b>	3 way valve for DHW tanks
<b>CZ-INV2</b>	3 way valve kit to fit inside the hydrokit. K and L Series
<b>PAW-BTANK50L-2</b>	Buffer tank 50 L