

## NEW Aquarea High Performance Hydraulic Split All in One L Generation Single phase. Heating and Cooling - R290

**Natural refrigerant R290 with GWP 3.**

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

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

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



### Single phase (power to indoor)

Kit 3 kW electric heater			KIT-ADC05L3E5	KIT-ADC07L3E5	KIT-ADC09L3E5
Kit 6 kW electric heater			KIT-ADC05L6E5	KIT-ADC07L6E5	KIT-ADC09L6E5
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++
Indoor unit 3 kW electric heater			WH-ADC0509L3E5	WH-ADC0509L3E5	WH-ADC0509L3E5
Indoor unit 6 kW electric heater			WH-ADC0509L6E5	WH-ADC0509L6E5	WH-ADC0509L6E5
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
Net weight 3 kW / 6 kW		kg	93/94	93/94	93/94
Water pipe connector	Room	Inch	1 1/4	1 1/4	1 1/4
	Shower	Inch	3/4	3/4	3/4
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	30/145	30/145	30/145
Heating water flow (ΔT=5 K, 35 °C)		L/min	14,3	20,1	25,8
Water volume		L	185	185	185
Maximum DHW temperature		°C	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel
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		146/3,60	146/3,60	146/3,60
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
Outdoor unit			WH-WDG05LE5	WH-WDG07LE5	WH-WDG09LE5
Sound power <sup>3)</sup>	Heat	dB(A)	52	53	54
Dimension / Net weight	H x W x D	mm / kg	996 x 980 x 430 / 98	996 x 980 x 430 / 98	996 x 980 x 430 / 97
Refrigerant (R290) / CO <sub>2</sub> Eq.		kg / T	0,96/0,003	0,96/0,003	1,00/0,003
Water pipe connector (indoor / outdoor units)		Inch	1/1	1/1	1/1
Pipe length range standard / maximum		m	5/30	5/30	5/30
Elevation difference (in / out)		m	10	10	10
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

Electrical information		3 kW heater	6 kW heater	3 kW heater	6 kW heater	3 kW heater	6 kW heater
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00
Recommended RCD, supply 1 / 2	A	25/16	25/30	25/16	25/30	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>4)</sup>	mm <sup>2</sup>	3x2,5/3x1,5	3x2,5/3x4,0	3x2,5/3x1,5	3x2,5/3x4,0	3x2,5/3x1,5	3x2,5/3x4,0

1) Scale from A+++ to D, 2) Scale from A+ to F, 3) The sound power level is measured with accordance to EN12102 under conditions of the EN14825 (part load), 4) Check local regulations. \* EER and COP calculation is based in accordance to EN14511. \*\* This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. 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	
<b>CZ-RTW1</b>	Additional remote controller for K and L Generations
<b>CZ-NS5P</b>	Additional functions PCB
<b>PAW-A2W-RTWIRED</b>	Room thermostat

Accessories	
<b>PAW-A2W-RTWIRELESS</b>	Wireless LCD room thermostat
<b>PAW-A2W-AFVLV</b>	1 anti-freeze valve. It is required to order 2 valves per system



INTERNET CONTROL: Wi-Fi adapter included.

## NEW Aquarea High Performance Hydraulic Split All in One L Generation Single phase. Heating and Cooling 2 zones - R290

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**Flexibility:** Hydraulic connection between indoor and outdoor / Built-in magnetic water filter / 2 zone control.

**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.

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

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



### Single phase (power to indoor)

Kit		KIT-ADC05L3E5B		KIT-ADC07L3E5B		KIT-ADC09L3E5B		
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> , %)		4,96/3,62[195/142]		4,84/3,67[190/144]		
	Energy class <sup>1)</sup>	A+++ to D		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]		6,44/4,50[255/177]		
	Energy class <sup>1)</sup>	A+++ to D		A+++ / A+++		A+++ / A+++		
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> , %)		4,25/3,29[167/129]		4,31/3,33[170/130]		
	Energy class <sup>1)</sup>	A+++ to D		A++ / A++		A++ / A++		
<b>Indoor unit</b>		<b>WH-ADC0509L3E5B</b>		<b>WH-ADC0509L3E5B</b>		<b>WH-ADC0509L3E5B</b>		
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		kg		101		101		
Water pipe connector	Room	Inch		1 1/4		1 1/4		
	Shower	Inch		3/4		3/4		
A class pump	Number of speeds		Variable Speed		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 volume		L		185		185		
Maximum DHW temperature		°C		65		65		
Material inside tank		Stainless steel		Stainless steel		Stainless steel		
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	146 / 3,60		146 / 3,60		146 / 3,60		
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		
<b>Outdoor unit</b>		<b>WH-WDG05LE5</b>		<b>WH-WDG07LE5</b>		<b>WH-WDG09LE5</b>		
Sound power <sup>3)</sup>	Heat	dB(A)		52		53		
Dimension / Net weight	H x W x D	mm / kg		996 x 980 x 430 / 98		996 x 980 x 430 / 97		
Refrigerant (R290) / CO <sub>2</sub> Eq.		kg / T		0,96 / 0,003		1,00 / 0,003		
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		
Operating range - outdoor ambient	Heat	°C		-25 ~ +35		-25 ~ +35		
	Cool	°C		+10 ~ +43		+10 ~ +43		
Water outlet	Heat / Cool	°C		20 ~ 75 / 5 ~ 20		20 ~ 75 / 5 ~ 20		
<b>Electrical information</b>		<b>WH-ADC0509L3E5B</b>		<b>WH-ADC0509L3E5B</b>		<b>WH-ADC0509L3E5B</b>		
Electric backup heater		kW		3,00		3,00		
Recommended RCD, supply 1 / 2		A		25/16		25/16		
Recommended minimum cable size, supply 1 / 2 <sup>4)</sup>		mm <sup>2</sup>		3x2,5/3x1,5		3x2,5/3x1,5		

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