

New Aquarea High Performance Bi-bloc J Generation Single Phase. Heating and Cooling - SDC • R32 Gas



GOOD
DESIGN
AWARD
2017

NEW
2019



Technical focus

- Super efficient in the 3,2kW! • Very high energy savings A+++ (*) • Simple installation & maintenance • Special software for low consumption homes with minimum output temperature: 20°C • Works at temperatures as low as -20°C • Automatic Air purge valve • Display of the compressor frequency



CZ-TAW1
Cloud connection. For
user control and
installer remote
maintenance.

			Single Phase (Power to indoor)				
Kit			KIT-WC03J3E5	KIT-WC05J3E5	KIT-WC07J3E5	KIT-WC09J3E5	
Heating capacity / COP [A +7°C, W 35°C]			kW / COP	3,20 / —	5,00 / —	7,00 / —	9,00 / —
Heating capacity / COP [A +7°C, W 55°C]			kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP [A +2°C, W 35°C]			kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP [A +2°C, W 55°C]			kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP [A -7°C, W 35°C]			kW / COP	— / —	— / —	— / —	— / —
Heating capacity / COP [A -7°C, W 55°C]			kW / COP	— / —	— / —	— / —	— / —
Cooling capacity / EER [A 35°C, W 7°C]			kW / EER	— / —	— / —	— / —	— / —
Cooling capacity / EER [A 35°C, W 18°C]			kW / EER	— / —	— / —	— / —	— / —
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)			ETA %	— / —	— / —	— / —	— / —
			SCOP	— / —	— / —	— / —	— / —
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾			A++ to G	— / —	— / —	— / —	— / —
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾			A+++ to D	— / —	— / —	— / —	— / —
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)			ETA %	— / —	— / —	— / —	— / —
			SCOP	— / —	— / —	— / —	— / —
Energy Class Heating Warm Climate (W35°C / W55°C)			A++ to G	— / —	— / —	— / —	— / —
Energy Class Heating Warm Climate (W35°C / W55°C)			A+++ to D	— / —	— / —	— / —	— / —
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)			ETA %	— / —	— / —	— / —	— / —
			SCOP	— / —	— / —	— / —	— / —
Energy Class Heating Cold Climate (W35°C / W55°C)			A++ to G	— / —	— / —	— / —	— / —
Energy Class Heating Cold Climate (W35°C / W55°C)			A+++ to D	— / —	— / —	— / —	— / —
Indoor unit			WH-SDC0305J3E5	WH-SDC0305J3E5	WH-SDC0709J3E5	WH-SDC0709J3E5	
Sound pressure	Heat / Cool	dB(A)	— / —	— / —	— / —	— / —	
Dimension	HxWxD	mm	892x500x340	892x500x340	892x500x340	892x500x340	
Net weight		kg	—	—	—	—	
Water pipe connector		Inch	—	—	—	—	
A class pump	Number of speeds		—	—	—	—	
	Input power (Min/Max)	W	— / —	— / —	— / —	— / —	
Heating water flow (ΔT=5 K, 35°C)		L/min	—	—	—	—	
Capacity of integrated electric heater		kW	—	—	—	—	
Recommended fuse		A	— / —	— / —	— / —	— / —	
Recommended cable size, supply 1 / 2		mm²	— / —	— / —	— / —	— / —	
Outdoor unit			WH-UD03JE5	WH-UD05JE5	WH-UD07JE5	WH-UD09JE5	
Sound power at Quiet Mode 3 [A +7°C, W 55°C]		dB	55	55	—	—	
Sound power full load		dB	60/61	64/64	68/67	69/68	
Dimension		mm	622x824x298	622x824x298	795x875x320	795x875x320	
Net weight		kg	37	37	61	61	
Refrigerant (R32) / CO ₂ Eq.		kg / T	0,9/0,608	0,9/0,608	1,27/0,857	1,27/0,857	
Pipe diameter	Liquid / Gas	Inch (mm)	1/4{6,35}/1/2{12,70}	1/4{6,35}/1/2{12,70}	1/4{6,35}/5/8{15,88}	1/4{6,35}/5/8{15,88}	
Pipe length range		m	3~25	3~25	3~50	3~50	
Elevation difference (in/out)		m	20	20	30	30	
Pipe length for additional gas		m	10	10	10	10	
Additional gas amount		g/m	20	20	25	25	
Operation range		°C	-20~+35	-20~+35	-20~+35	-20~+35	
Water outlet	Heat / Cool	°C	25~60/5~20	25~60/5~20	25~60/5~20	25~60/5~20	

Accessories

PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories

CZ-NS4P	Additional functions PCB
PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1m from the outdoor unit and at 1,5m height.

¹⁾ Scale from A++ to G and from A+++ to D from 26th September 2019.

* Available in Autumn 2019.



INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units ALL in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.