

Aquarea HT Bi-bloc F Generation

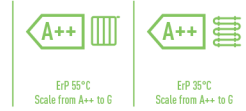
Single Phase / Three Phase.

Heating Only - SHF • R407C Gas



Technical focus

- Remote controller functions
- Efficient control of room temperature based on the outdoor temperature, indoor temperature using the Aquarea Manager
- Optional Smartphone control
- Maximum hydraulic module output temperature: 65°C
- Works at temperatures as low as -20°C
- Maximum 20m rise between the outdoor unit and the hydraulic module



Kit	Single Phase (Power to indoor)		Three Phase (Power to indoor)	
	KIT-WHF09F3E5	KIT-WHF12F6E5	KIT-WHF09F3E8	KIT-WHF12F9E8
Heating capacity / COP [A +7°C, W 35°C]	kW / COP 9,00/4,64	12,00/4,64	9,00/4,64	12,00/4,64
Heating capacity / COP [A +7°C, W 65°C]	kW / COP 9,00/2,48	12,00/2,41	9,00/2,48	12,00/2,41
Heating capacity / COP [A +2°C, W 35°C]	kW / COP 9,00/3,45	12,00/3,26	9,00/3,45	12,00/3,26
Heating capacity / COP [A +2°C, W 65°C]	kW / COP 9,00/2,06	10,30/2,01	9,00/2,06	10,30/2,01
Heating capacity / COP [A -7°C, W 35°C]	kW / COP 9,00/2,74	12,00/2,52	9,00/2,74	12,00/2,52
Heating capacity / COP [A -7°C, W 65°C]	kW / COP 9,00/1,79	9,60/1,77	9,00/1,79	9,60/1,77
Seasonal energy efficiency - Heating Average Climate [W35°C / W55°C]	ETA % 153/125	150/125	153/125	150/125
	SCOP 3,90/3,20	3,83/3,20	3,90/3,20	3,83/3,20
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A++ to G	A++/A++	A++/A++	A++/A++
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A+++ to D	A+++/A++	A+++/A++	A+++/A++
Seasonal energy efficiency - Heating Warm Climate [W35°C / W55°C]	ETA % 191/156	188/156	191/156	188/156
	SCOP 4,85/3,98	4,78/3,98	4,85/3,98	4,78/3,98
Energy Class Heating Warm Climate [W35°C / W55°C]	A++ to G	A++/A++	A++/A++	A++/A++
Energy Class Heating Warm Climate [W35°C / W55°C]	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate [W35°C / W55°C]	ETA % 137/116	134/113	137/116	134/113
	SCOP 3,50/2,98	3,43/2,90	3,50/2,98	3,43/2,90
Energy Class Heating Cold Climate [W35°C / W55°C]	A++ to G	A++/A+	A++/A+	A++/A+
Energy Class Heating Cold Climate [W35°C / W55°C]	A+++ to D	A+++/A+	A+++/A+	A+++/A+
Indoor unit	WH-SHF09F3E5	WH-SHF12F6E5	WH-SHF09F3E8	WH-SHF12F9E8
Sound pressure	dB(A) 33	33	33	33
Dimension	HxWxD mm 892x502x353	892x502x353	892x502x353	892x502x353
Net weight	kg 46	47	47	48
Water pipe connector	Inch R 1	R 1	R 1	R 1
A class pump	Number of speeds 7	7	7	7
	Input power [Min/Max] W 38/100	40/106	38/100	40/106
Heating water flow [ΔT=5 K, 35°C]	L/min 25,8	34,4	25,8	34,4
Capacity of integrated electric heater	kW 3	6	3	9
Recommended fuse	A 30/30	30/30	30/16	30/16
Recommended cable size, supply 1 / 2	mm 3x4,0 or 6,0/3x4,0	3x4,0 or 6,0/3x4,0	5x1,5/3x1,5	5x1,5/5x1,5
Outdoor unit	WH-UH09FE5	WH-UH12FE5	WH-UH09FE8	WH-UH12FE8
Sound power part load	dB —	—	—	—
Sound power full load	dB 66	67	66	67
Dimension	HxWxD mm 1340x900x320	1340x900x320	1340x900x320	1340x900x320
Net weight	kg 104	104	110	110
Refrigerant (R407C) / CO ₂ Eq.	kg / T 2,90/5,145	2,90/5,145	2,90/5,145	2,90/5,145
Pipe diameter	Liquid / Gas Inch (mm) 3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range	m 3~30	3~30	3~30	3~30
Elevation difference (in/out)	m 20	20	20	20
Pipe length for additional gas	m 10	10	10	10
Additional gas amount	g/m 70	70	70	70
Operation range	Outdoor ambient °C -20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat °C 25 ~ 65	25 ~ 65	25 ~ 65	25 ~ 65

Accessories

PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled

Accessories

PAW-3WYVLV-SI	External 3 way valve
PAW-BTANK50L-1	Buffer tank 50L
PA-AW-WIFI-1TE	WLAN interface
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. Heating sound pressure measured at +7°C (heating water at 55°C).
 1 Scale from A++ to G and from A+++ to D from 26th September 2019.



INTERNET CONTROL: Optional.