

2.2 WH-SXC12H9E8 WH-UX12HE8

Item		Unit	Outdoor Unit		
Performance Test Condition			EN 14511		
Cooling Capacity	Condition (Ambient/Water)		A35W7		
	kW		10.00		
	BTU/h		34100		
	kcal/h		8600		
Cooling EER	W/W		2.81		
	kcal/hW		2.42		
Heating Capacity	Condition (Ambient/Water)		A7W35	A2W35	
	kW		12.00	12.00	
	BTU/h		41000	41000	
	kcal/h		10320	10320	
Heating COP	W/W		4.74	3.44	
	kcal/hW		4.08	2.96	
Heating ErP	Low Temperature Application (W35)		Warmer	Average	Colder
	Application	Climate			
	Pdesign	kW	12.0	12.0	14.0
	Tbivalent / TOL	°C	2 / 2	-10 / -10	-15 / -22
	SCOP / ns	(W/W) / %	5.86 / 231	4.32 / 170	4.08 / 160
	Annual Consumption	kWh	2738	5745	8460
	Class		A++	A++	A++
	Medium Temperature Application (W55)		Warmer	Average	Colder
	Application	Climate			
	Pdesign	kW	12.0	12.0	13.0
	Tbivalent / TOL	°C	2 / 2	-10 / -10	-15 / -22
	SCOP / ns	(W/W) / %	4.02 / 158	3.32 / 130	3.20 / 125
	Annual Consumption	kWh	3990	7466	10012
	Class		A++	A++	A++
Noise Level	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	dB (A)		Cooling: 50	Heating: 52	—
	Power Level dB		Cooling: 68	Heating: 69	—
Air Flow	m ³ /min (ft ³ /min)		Cooling: 93.3 (3290) Heating: 80.0 (2830)		
Refrigeration Control Device			Expansion Valve		
Refrigeration Oil	cm ³		FV50S (1200)		
Refrigerant (R410A)	kg (oz)		2.85 (100.6)		
F-GAS	GWP		2088		
	CO2eq (ton) (Precharged / Maximum)		5.951 / 8.039		
Dimension	Height	mm (inch)	1340 (52-3/4)		
	Width	mm (inch)	900 (35-7/16)		
	Depth	mm (inch)	320 (12-19/32)		
Net Weight	kg (lbs)		108 (238)		
Pipe Diameter	Liquid	mm (inch)	9.52 (3/8)		
	Gas	mm (inch)	15.88 (5/8)		
Standard Length	m (ft)		7 (23.0)		
Pipe Length Range	m (ft)		3 (9.8) ~ 30 (98.4)		
I/D & O/D Height Difference	m (ft)		20 (65.6)		
Additional Gas Amount	g/m (oz/ft)		50 (0.5)		
Refrigeration Charge Less	m (ft)		10 (32.8)		

Item		Unit	Outdoor Unit		
Compressor	Type		Hermetic Motor		
	Motor Type		Brushless (4-poles)		
	Rated Output	kW	4.30		
Fan	Type		Propeller Fan		
	Material		PP		
	Motor Type		DC (8-poles)		
	Input Power	W	—		
	Output Power	W	60		
	Fan Speed	rpm	Cooling: 600 (Top), 640 (Bottom) Heating: 520 (Top), 560 (Bottom)		
Heat Exchanger	Fin material		Aluminium (Pre Coat)		
	Fin Type		Corrugated Fin		
	Row × Stage × FPI		2 × 51 × 18		
	Size (W × H × L)	mm	903.7 × 1295.4 × 38.1		
Power Source (Phase, Voltage, Cycle)	ø		Three		
	V		400		
	Hz		50		
Input Power	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	kW		Cooling: 3.56	Heating: 2.53	Heating: 3.49
Maximum Input Power For Heatpump System	kW		7.91		
Power Supply 1 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			3Ø / 11.9 / 7.91k		
Power Supply 2 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			3Ø / 13.0 / 9.00k		
Power Supply 3 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			— / — / —		
Starting Current	A		5.4		
Running Current	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	A		Cooling: 5.4	Heating: 3.9	Heating: 5.3
Maximum Current For Heatpump System	A		11.9		
Power Factor Power factor means total figure of compressor and outdoor fan motor.	%		Cooling: 97	Heating: 96	Heating: 97
Power Cord	Number of core		—		
	Length	m (ft)	—		
Thermostat			Electronic Control		
Protection Device			Electronic Control		

Item		Unit	Indoor Unit		
Performance Test Condition			EN 14511		
Operation Range	Outdoor Ambient	°C	Cooling: 16 ~ 43 Heating: -28 ~ 25		
	Water Outlet	°C	Cooling: 5 ~ 20 Heating: 20 ~ 55 (Below Ambient -15°C) 20 ~ 60 (Below Ambient -10°C)		
Internal Pressure Differential		kPa	Cooling: 36 Heating: 52		
Noise Level	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	dB (A)		Cooling: 33	Heating: 33	—
	Power Level dB		Cooling: 46	Heating: 46	—
Dimension	Height	mm (inch)	892 (35-1/8)		
	Width	mm (inch)	500 (19-11/16)		
	Depth	mm (inch)	340 (13-13/32)		
Net Weight		kg (lbs)	44 (97)		
Refrigerant Pipe Diameter	Liquid	mm (inch)	9.52 (3/8)		
	Gas	mm (inch)	15.88 (5/8)		
Water Pipe Diameter	Inlet	mm (inch)	28 (1-3/32)		
	Outlet	mm (inch)	28 (1-3/32)		
Water Drain Hose Inner Diameter		mm (inch)	15 (19/32)		
Pump	Motor Type		DC Motor		
	No. of Speed		7 (Software Selection)		
	Input Power	W	92		
Hot Water Coil	Type		Brazen Plate		
	No. of Plates		36		
	Size (W × H × L)	mm	65 × 120 × 376		
	Water Flow Rate	l/min (m ³ /h)	Cooling: 28.7 (1.7) Heating: 34.4 (2.1)		
Pressure Relief Valve Water Circuit		kPa	Open: 300, Close: 266 and below		
Flow Switch			Electronic Sensor		
Protection Device		A	Residual Current Circuit Breaker (40)		
Expansion Vessel	Volume	l	10		
	MWP	bar	3		
Capacity of Integrated Electric Heater		kW	9.00		

Note:

- Cooling capacities are based on outdoor air temperature of 35°C Dry Bulb with controlled indoor water inlet temperature of 12°C and water outlet temperature of 7°C.
- Heating capacities are based on outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb) with controlled indoor water inlet temperature of 30°C and water outlet temperature of 35°C.
- Specification are subjected to change without prior notice for further improvement.
- Flow rate indicated are based on nominal capacity adjustment of leaving water temperature (LWT) 35°C and $\Delta T = 5^\circ\text{C}$.