3.4 WH-SXC16K9E8 WH-UXZ16KE8

Item			Unit	Outdoor Unit		
Performance Test Condition				EN 14511 / EN14825		
Cooling Capacity			Condition (Ambient/Water)	A35W7		
			kW	13.40		
			BTU/h	45700		
			kcal/h	11520		
Cooling EER			W/W	2.64		
			kcal/hW	2.27		
Heating Capacity			Condition (Ambient/Water)	A7W35	A2W35	
			kW	16.00	16.00	
			BTU/h	54600	54600	
			kcal/h	13760	13760	
Heating COP			W/W	4.38	3.10	
			kcal/hW	3.77	2.67	
Heating ErP	Low Temperature Application (W35)			Warmer	Average	Colder
	Application		Climate			
	Pdesign		kW	16.0	13.0	19.0
	Tbivalent / TOL		°C	2 / 2	-10 / -10	-15 / -22
	SCOP / ns		(W/W) / %	5.88 / 232	4.46 / 176	3.83 / 150
	Annual Consumption		kWh	3634	6018	12233
	Class			A+++	A+++	A++
	Medium Temperature Application (W55)			Warmer	Average	Colder
	Application		Climate			
	Pdesign		kW	16.0	16.0	18.0
	Tbivalent / TOL		°C	2 / 2	-10 / -10	-15 / -22
	SCOP / ns		(W/W) / %	4.09 / 160	3.31 / 129	3.20 / 125
	Annual Consumption		kWh	5230	9984	13870
	Class			A+++	A++	A++
Noise Level			Condition (Ambient/Water)	A35W7	A7W35	A2W35
			dB (A)	Cooling: 55	Heating: 55	-
			Power Level dB	Cooling: 70	Heating: 70 / 65	-
Air Flow			m^3/min (ft^3/min)	Cooling:109.4 (3860) Heating: 100.1 (3530)		
Refrigeration Control Device				Expansion Valve		
Refrigeration Oil			cm^3	FV50S (1600)		
Refrigerant (R32)			kg (oz)	1.83 (64.6) Precharge 2.43 (85.8) Maximum charge		
F-GAS	GWP			675		
	CO_2eq (ton) (Precharged / Maximum)			1.235 / 1.640		
Dimension	Height		mm (inch)	1340 (52-25/32)		
	Width		mm (inch)	900 (35-14/32)		
	Depth		mm (inch)	320 (12-20/32)		
Net Weight			kg (lbs)	103 (227)		
Pipe Diameter	Liquid		mm (inch)	6.35 (1/4)		
	Gas		mm (inch)	12.70 (1/2)		

Item		Unit	Outdoor Unit		
Standard Length		m (ft)	5 (16.4)		
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)	30 (0.3)		
Refrigeration Charge Less		m (ft)	10 (32.8)		
Compressor	Type		Hermetic Motor		
	Motor Type		Brushless (4-poles)		
	Rated Output	kW	4.60		
Fan	Type		Propeller Fan		
	Material		PP		
	Motor Type		DC (8-poles)		
	Input Power	W	-		
	Output Power	W	60		
	Fan Speed	rpm	Cooling: 680 (Top), 720 (Bottom) Heating: 630 (Top), 670 (Bottom)		
Heat Exchanger	Fin material		Aluminium (Pre Coat)		
	Fin Type		Corrugated Fin		
	Row × Stage × FPI		2 × 50 × 19		
	Size (W × H × L)	mm	898.8 × 1295.4 × 44		
Power Source (Phase, Voltage, Cycle)		ø	Three		
		V	400		
		Hz	50		
Input Power		Condition (Ambient/Water)	A35W7	A7W35	A2W35
		kW	Cooling: 5.08	Heating: 3.65	Heating: 5.16
Maximum Input Power For Heatpump System		kW	11.09		
Power Supply 1 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			3Ø / 16.4 / 11.09k		
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: 7.5	Heating: 5.40	Heating: 7.70
Maximum Current For Heatpump System		A	16.4		
Power Factor Power factor means total figure of compressor and outdoor fan motor.		%	Cooling: 98	Heating: 98	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 / EN14825		
Operation Range	Outdoor Ambient		°C	Cooling: 10 ~ 43 Heating: -28 ~ 35		
	Water Outlet		°C	Cooling: 5 ~ 20 Heating: 20 ~ 55 (Below Ambient -15°C) 20 ~ 60 (Below Ambient -10°C)		
Internal Pressure Differential			kPa	Cooling: 46.0 Heating: 64.0		
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 (35-4/32)		
	Width		mm (inch)	500 (19-22/32)		
	Depth		mm (inch)	348 (13-23/32)		
Net Weight			kg (lbs)	42 (93)		
Refrigerant Pipe Diameter	Liquid		mm (inch)	6.35 (1/4)		
	Gas		mm (inch)	12.70 (1/2)		
Water Pipe Diameter	Inlet		mm (inch)	(1-1/4)		
	Outlet		mm (inch)	(1-1/4)		
Water Drain Hose Inner Diameter			mm (inch)	12 (17/36)		
Pump	Motor Type			Brushless DC Motor		
	No. of Speed			7 (Software Selection)		
	Input Power		W	173		
Hot Water Coil	Type			Brazed Plate		
	No. of Plates			52		
	Size (W × H × L)		mm	120 × 376 × 92		
	Water Flow Rate		l/min (m^3/h)	Cooling: 38.4 (2.3) Heating: 45.9 (2.8)		
Pressure Relief Valve Water Circuit			kPa	Open: 300, Close: 210 and below		
Flow Switch				Vortex (Piezoelectric Sensor)		
Protection Device			A	Residual Current Circuit Breaker (25 ~ 40)		
Expansion Vessel		Volume	l	10		
		MWP	bar	3		
Capacity of Integrated Electric Heater			kW	9.00		

Note:

- In case it is necessary to indicate the air flow volume in (l/s), the value in (m^3/min.) shall be multiplied by 16.7 and rounded down the decimal point.
- If the EUROVENT Certified models can be operated under the “extra-low” temperature condition, -7°C DB and -8°C WB temperature with rated voltage 230V shall be used.
- Capacity is measured at outdoor temperature 7°C DB and 6°C WB with controlled water inlet 30°C and water outlet 35°C (EN 14511-2)
- Flowrate indicated are based on nominal capacity adjustment of leaving water temperature (LWT) 35°C and ΔT=5°C.
- EER and COP classification is at 230V only in occordance with EU directive 2003/32/EC.
- ** Between outdoor ambient -10°C and -15°C, the water outlet temperature gradually decreases from 60°C to 55°C.
- *** The sound pressure level is measured with distance 1.0m from the unit and height at 1.5m.
  (Test carry out for cooling at ambient 35°C DB and Water Out 7°C, heating at ambient 7°C DB / 6°C WB and water out 55°C)
- **** The sound power level is measured with accordance to EN12102 under conditions of the EN14825.