3.4 WH-SDC16K9E8 WH-UDZ16KE8

Item			Unit	Outdoor Unit			
Performance Test	t Condition	on		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		13.20	
			BTU/h	54600		45000	
			kcal/h	13760		11350	
Heating COP			W/W	4.31		3.28	
Treating COI			kcal/hW	3.71		2.82	
		Low Temperature Applic	ation (W35)	Warmer	Average	Colder	
		Application	Climate	vvaimei	Average		
		Pdesign	kW	13.0	13.0	12.0	
		Tbivalent / TOL	°C	2/2	-10 / -10	-15 / -22	
		SCOP / ns	(W/W) / %	6.20 / 245	4.46 / 176	4.28 / 168	
	А	nnual Consumption	kWh	2803	6018	6917	
Llooting ErD		Class		A+++	A+++	A++	
Heating ErP		Medium Temperature App		Warmer	Warmer Average		
-		Application	Climate		40.0		
		Pdesign	kW	10.0	13.0	12.0	
_		Tbivalent / TOL	°C	2/2	-3 / -10	-15 / -22	
_		SCOP / ns	(W/W) / %	4.30 / 169	3.40 / 133	3.10 / 121	
_	A	nnual Consumption	kWh	3104	7911	9556	
		Class		A+++	A++	A+	
Noise Level			Condition (Ambient/Water)	A35W7	A7W35	A2W35	
Noise Level			dB (A)	Cooling: 55	Heating: 55	Heating: 55	
			Power Level dB	Cooling: 70	Heating: 70 / 65	Heating: 70 / 65	
Air Flow			m³/min (ft³/min)	Cooling: 109.4 (3860) Heating: 100.1 (3530)			
Refrigeration Con	trol Devi	ce		Expansion Valve			
Refrigeration Oil			cm ³		FW50S (1600)		
Refrigerant (R32)			kg (oz)	1.83 (64.6) Precharge 2.43 (85.8) Maximum charge			
F-GAS		GW		675			
CO₂eq (ton) (Precha		1	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)			

Ite	em	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 Differenc	e	m (ft)	20 (65.6)			
Additional Gas Amount		g/m (oz/ft)	30 (0.3)			
Refrigeration Charge Less		m (ft)	10 (32.8)			
Compressor	Туре		Hermetic Motor			
	Motor Type		Brushless Motor (4 pole)			
	Rated Output	kW	4.60			
	Туре		Propeller Fan			
	Material		PP			
	Motor Type		DC (8-poles)			
Fan	Input Power	W	-			
	Output Power	W	60			
	Fan Speed	rpm	Cooling: 680 (Top), 720 (Bottom) Heating: 630 (Top), 670 (Bottom)			
	Fin material		Aluminium (Pre Coat)			
Heat Exchanger	Fin Type		Corrugated Fin			
Treat Exchanger	Row × Stage × FPI		2 x 50 x 19			
	Size (W × H × L)	mm	898.8 x 1295.4 x 44			
·		Ø	Three			
Power Source (Phase, Vol	tage, Cycle)	V	400			
		Hz	50			
Input Power		Condition (Ambient/Water)	A35W7	A7W35	A2W35	
		kW	Cooling: 5.08	Heating: 3.71	Heating: 4.02	
Maximum Input Power For	Heatpump System	kW	11.09			
Power Supply 1 : Phase (2	8) / Max. Current (A) / Max.	Input Power (W)	3Ø / 16.4 / 11.09k			
Power Supply 2 : Phase (2	8) / Max. Current (A) / Max.	Input Power (W)	3Ø / 13.0 / 9.00k			
Power Supply 3 : Phase (2	8) / Max. Current (A) / Max.	Input Power (W)	-1-1-			
Starting Current		Α	5.7			
Running Current		Condition (Ambient/Water)	A35W7	A7W35	A2W35	
		Α	Cooling: 7.5	Heating: 5.7	Heating: 6.3	
Maximum Current For Hea	tpump System	Α	16.4			
Power Factor Power factor means total figure of compressor and outdoor fan motor.		%	Cooling: 98	Heating: 94	Heating: 92	
Power Cord	Number of core			-		
. 5.751 5514	Length	m (ft)	-			
Thermostat			Electronic Control			
Protection Device			Electronic Control			

Item			Unit	Indoor Unit		
Performance Test Condition				EN 14511 / EN14825		
	Outdo	or Ambient	°C	Cooling: 10 / 43 *1, *2 Heating: -25 / 35		
Operation Range	Wat	er Outlet	°C	Cooling: 5 / 20 *1, *2 Heating: 20 / 55 (Below Ambient -15°C) *3 20 / 60 (Below Ambient -10°C) *3		:-15°C) *3 °C) *3
Internal Pressure Differential			kPa	Cooling: 46.0 Heating: 64.0		
			Condition (Ambient/Water)	A35W7	A7W35	A2W35
Noise Level	Noise Level		dB (A)	Cooling: 33	Heating: 33	Heating: 33
			Power Level dB	Cooling: 46	Heating: 46	Heating: 46
	ŀ	Height	mm (inch)	892 (35-4/32)		
Dimension	Width		mm (inch)	500 (19-22/32)		
	Depth		mm (inch)	348 (13-23/32)		
Net Weight	Net Weight			42 (93)		
Refrigerant Pipe	Liquid		mm (inch)	6.35 (1/4)		
Diameter	Gas		mm (inch)	12.70 (1/2)		
Water Dine Diameter	Inlet		mm (inch)	(1-1/4)		
Water Pipe Diameter	Outlet		mm (inch)	(1-1/4)		
Water Drain Hose Inner Diameter			mm (inch)	12 (17/36)		
	Motor Type			DC Motor		
Pump	No. of Speed			7 (Software Selection)		
	Input Power		W	145		
	Туре			Brazed Plate		
	No. of Plates			52		
Hot Water Coil	Size (W × H × L)		mm	120 x 376 x 92		
	Water Flow Rate		l/min (m³/h)	Cooling: 38.4 (2.3) Heating: 45.9 (2.8)		
Pressure Relief Valve Water Circuit			kPa	Open: 300, Close: 210 and below		
Flow Concer	Туре			Piezoelectric sensor		
Flow Sensor	Range		l/min	5 ~ 60		
Protection Device			A	Residual Current Circuit Breaker (25 ~ 40)		
Volume Vocaci		Volume	I	10		
Expansion Vessel	MWP		bar	3		
Capacity of Integrated Electric Heater			kW	9.00		

Note:

- In case it is necessary to indicate the air flow volume in (I/s), the value in (m³/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.
- *** 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.
- The system is locked to operate without COOL mode. It can be unlocked only by authorised installer or our authorised service partners.
- *2 Only displayed when COOL mode is unlocked (This means when COOL mode is available).
- ^{*3} Between outdoor ambient -10°C and -15°C, the water outlet temperature gradually decreases from 60°C to 55°C.