

3. Specifications

3.1 WH-ADC0316M9E82 WH-WXG09ME8

Item		Unit	Outdoor Unit		
Performance Test Condition		EN 14511			
		EN 14825			
Cooling Capacity	Condition (Ambient/Water)	A35W7			
	kW	9.00			
	BTU/h	30700			
Cooling EER	W/W	3.61			
Heating Capacity	Condition (Ambient/Water)	A7W35	A2W35		
	kW	9.00	9.00		
	BTU/h	30700	30700		
Heating COP	W/W	5.23	3.81		
Heating Erp	DHW				
	Application	Climate	Warmer	Average	Colder
	COP / nwh	(W/W) / %	3.30 / 132	3.00 / 123	2.20 / 88
	AEC	kWh	753	831	1141
Noise Level	Condition (Ambient/Water)	A35W7	A7W35	A2W35	
	dB (A)	Cooling: -	Heating: -		Heating: -
	Power Level dB	Cooling: 60***	Heating: 58*** Heating: 52***	Heating: 58*** Heating: 52***	
Air Flow	m ³ /min (ft ³ /min)	Cooling: 97.0 (3426) Heating: 83.0 (2931)			
Refrigeration Control Device	Expansion Valve				
Refrigeration Oil	cm ³	PZ68S (1600)			
Refrigerant	kg (oz)	R290, 1.78 (62.8) (Pre-charged) (-) (Maximum)			
F-GAS	GWP	3			
	CO ² eq (ton) (Precharged / Maximum)	0.006 / -			
Dimension	Height	mm (inch)	1520 (59-27/32)		
	Width	mm (inch)	1200 (47-1/4)		
	Depth	mm (inch)	430 (16-59/64)		
Net Weight	kg (lbs)	163 (359)			
Pipe Diameter (Inner)	mm	25			
Standard Length	m (ft)	5.0 (16.4)			
Maximum Pipe Length	m (ft)	30.0 (98.4)			
I/D & O/D Height Difference	m (ft)	30.0 (98.4)			
Water Pipe Connector	Indoor	inch	1-1/4		
	Outdoor		1-1/4		
Compressor	Type	Hermetic Motor Compressor (Involute Scroll)			
	Motor Type	Synchronous Electric Motor (6-poles)			
	Rated Output	kW	3.10		
Fan	Type	Propeller Fan			
	Material	PP			
	Motor Type	DC (8-poles)			
	Input Power	kW	-		
	Output Power	W	120 × 2		
Fan Speed	rpm	Cooling: 510 Heating: 400			

Item		Unit	Outdoor Unit		
Heat Exchanger	Fin material		Aluminium (Blue Coat)		
	Fin Type		Corrugated Fin		
	Row × Stage × FPI		2 × 58 × 19		
	Size (W × H × L)	mm	44 × 1473.2 × 868.2:902.7		
Hot Water Coil	Type		Brazed Plate		
	No. of Plates		36		
	Size (W × H × L)	mm	76.2 × 524 × 117		
	Water Flow Rate	l/min (m ³ /h)	Cooling: 25.8 (1.5) Heating: 25.8 (1.5)		
Power Source (Phase, Voltage, Cycle)	Ø		Three		
	V		400		
	Hz		50		
Input Power	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	kW		Cooling: 2.49	Heating: 1.72	Heating: 2.36
Maximum Input Power For Heatpump System	kW		8.51		
Power Supply 1 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			3Ø / 12.8 / 8.51k		
Power Supply 2 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			3Ø / 13.1 / 9.00k		
Power Supply 3 : Phase (Ø) / Max. Current (A) / Max. Input Power (W)			- / - / -		
Starting Current	A		3.8		
Running Current	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	A		Cooling: 3.8	Heating: 2.6	Heating: 3.6
Maximum Current For Heatpump System	A		12.8		
Power Factor Power factor means total figure of compressor and outdoor fan motor.	Condition (Ambient/Water)		A35W7	A7W35	A2W35
	%		Cooling: 95	Heating: 96	Heating: 95
Power Cord	Number of core		-		
	Length	m (ft)	-		
Thermostat			Electronic Control		
Protection Device			Electronic Control		
Pressure Relief Valve Water Circuit	kPa		Open: 400, Close: 280 and below		
Operation Range	Outdoor Ambient	°C (min. / max.)	Cooling: 10 / 43 Heating (Tank): -28 / 43 Heating (Circuit): -28 / 35		
	Water Outlet	°C (min. / max.)	Cooling: 5 / 20 Heating (Tank): - / 65* ³ , Heating (Circuit): 20 / 55 (Below Ambient -25 °C) * ⁴ Heating (Circuit): 20 / 75 (Above Ambient -15 °C) * ⁴		
Internal Pressure Differential	kPa		Cooling: 22.0 Heating: 22.0		
Pump	Motor Type		Brushless DC Motor (Sensorless vector control system)		
	No. of Speed		Variable speed		
	Input Power	W	175		
Flow Sensor	Type		Vortex (Piezoelectric sensor)		
	Measuring range	l/min	5 ~ 60		