

2 Specifications

2-1 Nominal Capacity and Nominal Input				AS1.1÷2 AS3.1÷2		
Nominal Capacity	Cooling capacity	Standard	kW	11.2	14.0	15.5
	Heating capacity	Standard	kW	12.5	16.0	18.0
For combination indoor units + outdoor units	EER	Nominal		3.99		3.42
	COP	Nominal		4.56	4.15	3.94

2-2 Technical Specifications				AS1.1÷2		
Capacity range			HP	4	5	6
PED category				Category 1		
Casing	Colour			Daikin White		
	Material			Painted galvanized steel plate		
Dimensions	Unit	Height	mm	1,345		
		Width	mm	900		
		Depth	mm	320		
	Packing	Height	mm	1,524		
		Width	mm	980		
		Depth	mm	420		
Weight	Unit		kg	120		
	Packed Unit		kg	130		
Packing	Material			Carton + Wood + EPS		
	Weight		kg	8		
Heat Exchanger	Dimensions	Length	mm	857		
		Nr of Rows		2		
		Fin Pitch	mm	2		
		Nr of Passes		10		
		Face Area	m²	1.131		
		Nr of Stages		60		
	Tube type					
	Fin	Type		Non-symmetric waffle louvre		
		Treatment		Corrosion resistant		
Fan	Type			Propeller		
	Discharge direction			Horizontal		
	Quantity			2		
	Air Flow Rate (nominal at 230V)	Cooling	m³/min	106		
		Heating	m³/min	102	105	
	Motor	Quantity		2		
Model						
Motor	Speed (nominal)	Cooling	rpm	850/815		
		Heating	rpm	820/785	840/805	
Fan	Motor	Output	W	70		
		Drive				
Compressor	Quantity			1		
	Motor	Model				
		Type		Hermetically sealed scroll compressor		
		Speed	rpm	6,480		
		Motor Output	W	2.5	3.0	3.5
		Starting Method		Direct on line		
		Crankcase Heater	W	33		
Operation Range	Cooling	Min	°CDB	-5		
		Max	°CDB	46		
	Heating	Min	°CWB	-20		
		Max	°CWB	15.5		
Sound Level (nominal)	Cooling	Sound Power	dBA	66	67	69
		Sound Pressure	dBA	50	51	53
	Heating	Sound Pressure	dBA	52	53	55

2 Specifications

AS1.1÷2

AS3.1÷2

2-2 Technical Specifications				AS3.1÷2				
Refrigerant	Type			R-410A				
	Charge		kg	4.0				
	Control			Expansion valve (electronic type)				
	Nr of Circuits			1				
Refrigerant Oil	Type			Daphne FVC68D				
	Charged Volume		l	1.5				
Piping connections	Liquid (OD)	Type		Flare connection				
		Diameter (OD)		mm	9.52			
	Gas	Type		Flare connection		Braze connection		
		Diameter (OD)		mm	15.9		19.1	
	Drain	Quantity		3				
		Diameter (OD)		mm	26x3			
	Piping Length		Maximum	m	55			
	Heat Insulation			Both liquid and gas pipes				
Defrost Method				Reversed cycle				
Defrost Control				Sensor for outdoor heat exchanger temperature				
Capacity Control Method				Inverter controlled				
Capacity control	Cooling	Minimum		24%				
		Maximum		100%				
Safety Devices				High pressure switch				
				Fan motor thermal protector				
				Inverter overload protector				
				PC board fuse				
Standard Accessories	Item			Installation manual				
	Quantity			1				
	Item			Operation manual				
	Quantity			1				
	Item					Connection pipes		
	Quantity					3		
Notes				Nominal cooling capacities are based on: indoor temperature: 27°CDB/19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 7.5m, level difference: 0m				
				Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB/ 6°CWB, equivalent refrigerant piping: 7.5m, level difference: 0m				
				Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings				
				Sound values are measured in a semi-anechoic room.				

AS1.1÷2

AS3.1÷2

2-3 Electrical Specifications				AS3.1÷2		
Power Supply	Name			V1		
	Phase			1~		
	Frequency		Hz	50		
	Voltage		V	220V-240V		
	Voltage range	Minimum	V	-10%		
		Maximum	V	+10%		
Current	Nominal running current (RLA)	Cooling	A	15.9	20.2	22.2
	Starting current (cooling/heating)		A	15.9	20.2	22.2
	Minimum Ssc value		kVa	Equipment complying with EN/IEC 61000-3-12		
	Max. running current (RLA)		A	27.0		
	Minimum circuit amps (MCA)		A	27.0		
	Maximum fuse amps (MFA)		A	32.0		
	Full load amps (FLA)		A	0.3+0.3 (fan motor)		
Wiring connections	For Power Supply	Quantity		3		
		Remark		Earth wire included		
	For connection with indoor	Quantity		2		
		Remark		F1+F2		
Field earth leakage breaker			mA	300		
Power Supply Intake			Both indoor and outdoor unit			