

Technical specifications

Specifications

Indoor units

All in one type

Model		HMM100
		General conditions
Power source		400V 3NAC 50Hz / 230V 1AC 50 Hz
Max. operating current (A)		13 (400V) / 26 (230V)
Recommended fuse (A)		16 (400V) / 32 (230V)
Wire size (Power supply)		5 x 2.5mm ² (400V) / 3 x 10mm ² (230V)
Wire size (Communication cable to outdoor unit)		3 x 0.75mm ² (A,B,GND)
Power source deviation (%)		-15 — + 10
Power factor		0.99
Water connection (outdoor unit)		22mm
Capacity		For 6, 8, 10kW outdoor units
		Indoor unit (all in one type)
Immersion heater		Max. 9 kW (6kW for 1 phase 230V)
Capacity steps heater		3 (3, 6, 9kW) for 3 phase 400V 3 (1.5, 3, 6kW) for 1 phase 230V
Pump model		Wilo-Para G 15/75
Pump control		Variable
Pump capacity, max. head		76 kPa (external)
Pump capacity, max. flow		4 m ³ /h
Pump power		5 — 75W
Pump efficiency, max.		EEI≤0.21
Emergency thermostat		5 — 65 °C
Thermal cut-off		98 (-8) °C
Motor valve on hydraulic circuit		2 x 3-way, ball type
Actuator		230V 50Hz
Safety relief valve system		0.3 MPa
Manometer gauge		0 — 0.4 MPa
Expansion vessel		10L
Expansion vessel, Factory precharge		0.5 +/- 0.15bar
IP grade		IP21
Volume total		180L ±5%
Volume coil		4.5L
Area coil		1.6m ²
Material coil		Steel untreated S235JR
Material tank		Enamelled steel S235JR 3.0 mm
Cabinet	Top/side/ front bottom	EN10130 DC01
	Back	DX51D+Z275
Material	Top/side/ front bottom	Steel 0.7mm
	Back	Galvanized steel 275g/m ²
Color (powder coated 1 layer)	Top/side/ front bottom	RAL9016, white
	Back	Untreated
Isolation heat exchanger		Synthetic rubber (+110 / -50°C)
Isolation tank		PUR
Stand by heat loss		61.25 W EN12897
Max. work pressure: tank		1.0 MPa (10 bar)
Max. work pressure: coil		0.3 MPa (3 bar)
Water quality sanitary hot water		<EU directive nr 98/83/EF
Max. operating temperature: tank		80 °C
Operating ambient temperature: indoor unit		+5 — +35°C, Max. RH 95%
Connection water system		Compression fitting 22mm
Connection sanitary hot water		Compression fitting 22mm
Sound power level LWA indoors		33dB
Minimal system temperature in cooling mode		7°C
Design pressure on product (heating system)		0.3 MPa
Height, (adjustment)		1670mm +(20 — 40mm)
Width		600
Depth		610
Weight net/gross		150kg / 163kg
Weight packaging: Wood		7.5 kg
Weight packaging: EPS		0.2 kg
Weight packaging: cardboard		4.2 kg
Weight packaging: Plastics		0.4 kg
Weight packaging: Metal		0.7 kg
Packaging volume /dimensions		0.88 m ³ (1894 x 670 x 690mm)
Part number MHIAE		MCD001A024A
Enclosed		
		1 x Safety kit with safety valve, manometer and automatic air vent; insulated
		1 x Jumper for single-phase connection
		1 x Outdoor sensor
		1 x Indoor sensor
		3 x Current sensor
		1 x Valve filter 1"
		2 x Temperature sensor L=1450
		1 x Straight connector 22 x 1"

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Model	HMM100
Miscellaneous	
Internet connection function	(Straight, cat.5e UTP) RJ45 plug
Language	English (en), Swedish (sv), German (de), French (fr), Spanish (es), Finnish (fi), Lithuanian(Lt), Czech (cz), Polish (pl), Dutch (nl), Norwegian (no), Danish (da), Estonian (et), Latvian(lv), Russian (ru), Italian (it), Hungarian (hu), Slovenian (sl), Turkish (tr), Croatian (hr), Romanian (ro), Icelandic (is), Portuguese (pt)