

Alpha

HEAT PUMP

MAGIS M.



Part of Immergas

MAGIS M.



KEY FEATURES:

- + Ultra quiet - Sound Pressure Levels as low as 35db at 3m
- + Operates in external temperatures between -25°C to 43°C
- + MCS Certified heat pump
- + 5 Year Warranty*
- + Inverter technology enables heating and cooling

*on approved and correctly installed/maintained installations

The Magis M range of stand-alone monobloc heat pumps with reversible air-to-water inverter technology comprises 13 models to suit a large range of heating and cooling applications in both domestic and commercial settings.

They are highly energy efficient, providing great comfort with minimal environmental impact as they operate with R32 refrigerant. The R32 is pre-loaded and the heat pumps are hermetically sealed, meaning that an F-Gas qualification is not required for

their installation. They also have many built-in features - such as a built-in primary pump and expansion vessel - to help minimise installation times and keep the technology simplistic.

All models have a factory-fitted external weather probe which allows flow temperature modulation to achieve better energy efficiency. To further their efficiency, they allow for the integration of solar; adding a further renewable energy source.

With the supplied control panel, it's easy to cascade units allowing for up to six heat pumps to work together to supply the required heat demand. A flow temperature of up to 65°C can be provided with models over 16kW providing up to 60°C.

Further accessories are available to suit all installation needs, from mounting feet and brackets to buffer tanks and heat pump cylinders.

MAGIS M. CONTROL PANEL



CONTROL PANEL

A control panel is supplied as standard with all heat pumps within the Magis M range.

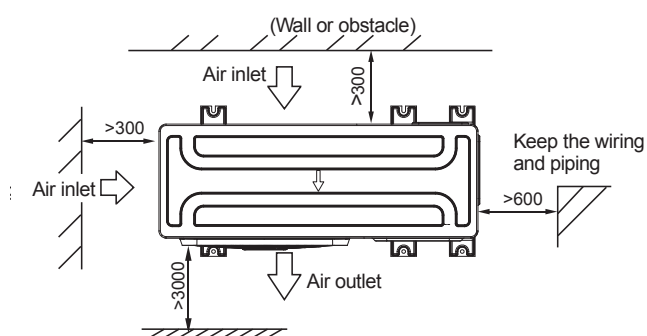
It enables the programming of system operation and the relative temperature control of the system. For example, the control panel acquires data (from the external probe on the heat pump) and adjusts the system's flow temperature to align with the pre-set climatic curve.

The control panel is connected to a specific terminal block within the heat pump and can also operate as a room thermostat. This function can be overridden and an external third-party thermostat can be used, keeping the control panel as a management system.

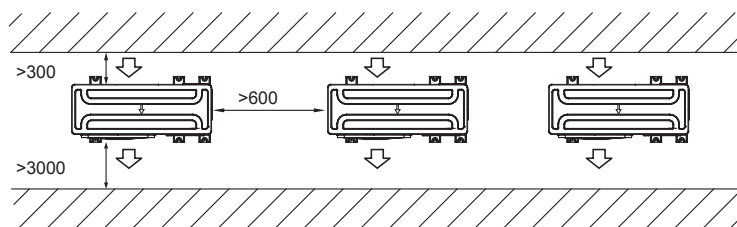
In addition, one control panel can be used to cascade manage six heat pumps.

MAGIS M.

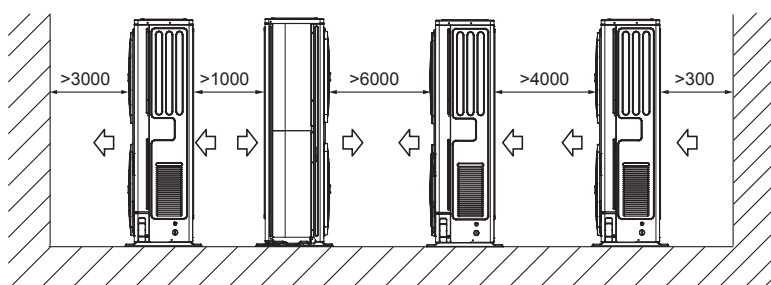
Technical Information



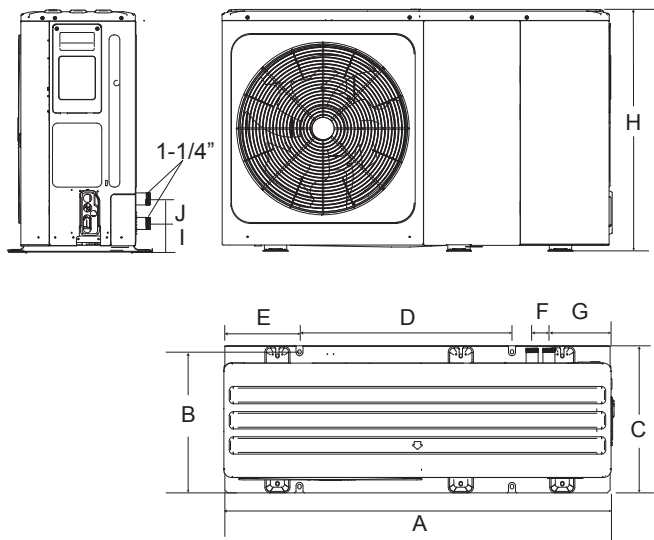
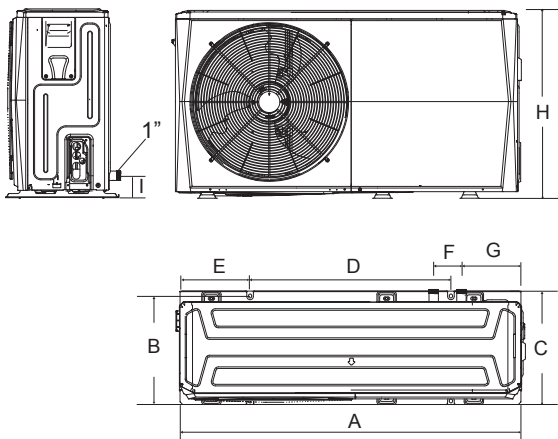
1) Installation of a single unit



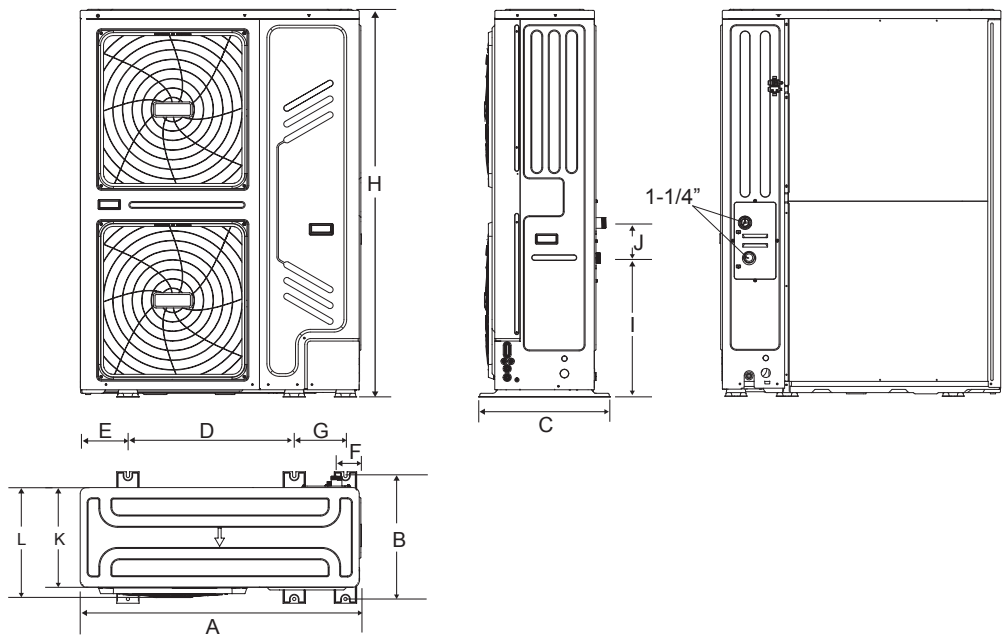
2) Connecting multiple units in-line



3) Connecting units facing each other



Model	A	B	C	D	E	F	G	H	I	J
4/6kW	1295	397	429	760	265	105	225	792	161	/
8/10/12/14/16kW	1385	482	526	760	270	60	221	945	182	81



Model	A	B	C	D	E	F	G	H	I	J	K	L
18-30 kW	1129mm	494mm	528mm	668mm	192mm	98mm	206mm	1558mm	558mm	143mm	400mm	440mm

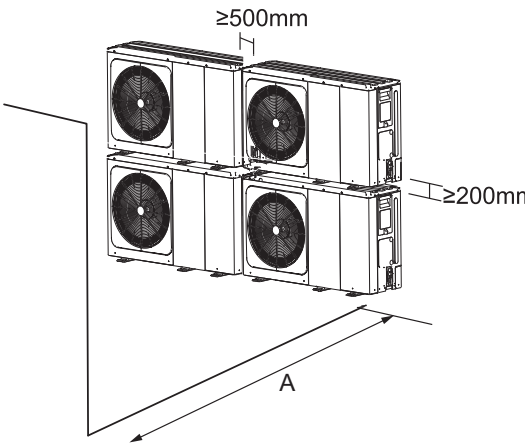
CLEARANCE REQUIREMENTS FOR CASCADE OPTIONS

Models 4-16 kW.

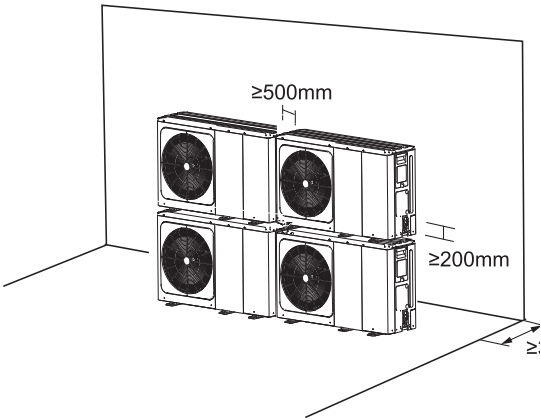
+ In case of stacked installation

1) Where there are obstacles obstructing the outlet side.

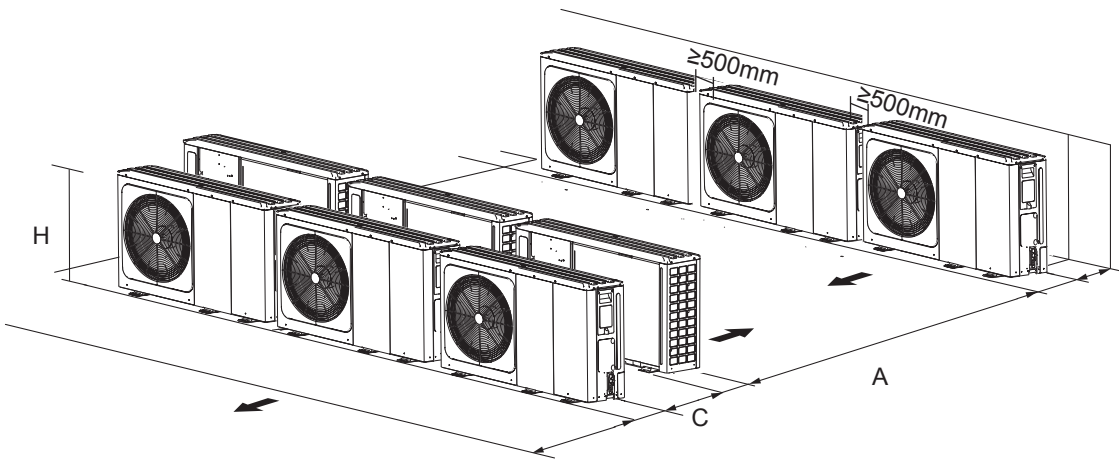
Unit	A
4-6kW	≥ 1000mm
8-16kW	≥ 1500mm



2) Where there are obstacles obstructing the air inlet.



+ For installation in rows (on roofs, etc.)



Unit	A	B1	B2	C
4/6kW	≥ 2500mm	≥ 1000mm	≥ 300mm	≥ 600mm
8/16kW	≥ 3000mm	≥ 1500mm		

Model (nominal Capacity)	4kW	6kW	8kW	12kW	14kW	16kW	12kW	14kW	16kW	18kW	22kW	26kW	30kW
Power Supply	1Φ, 220~240V, 50Hz						3Φ, 380~415V, 50Hz						
COP @ 35°C flow (ext Temp 7°C)	5.1	4.95	5.15	4.95	4.6	4.5	4.95	4.6	4.5	4.7	4.4	4.08	3.91
Operating Temperature (min/max) CH	-25°C ~ 35°C												
Minimum Buffer Size	40 Litres												
Breaker Size	20A	20A	20A	32A	32A	32A	16A	16A	16A	20A	25A	25A	28A
Piping Connections	1" Male BSP						1" 1/4 Male BSP			1" 1/4 Male BSP			
Net Weight	86kg			158kg			172kg			177kg			
Pre-Charged R32	1.4kg			1.75kg			1.75kg			5kg			
Compressor	Twin Rotary Compressor												
Sound Power Level	55	58	59	65	65	68	65	65	68	71	73	75	77
Unit Casing	Single Fan								Double Fan				



Alpha

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Carbon neutral

Print product

ClimatePartner.com/17071-2203-1001

