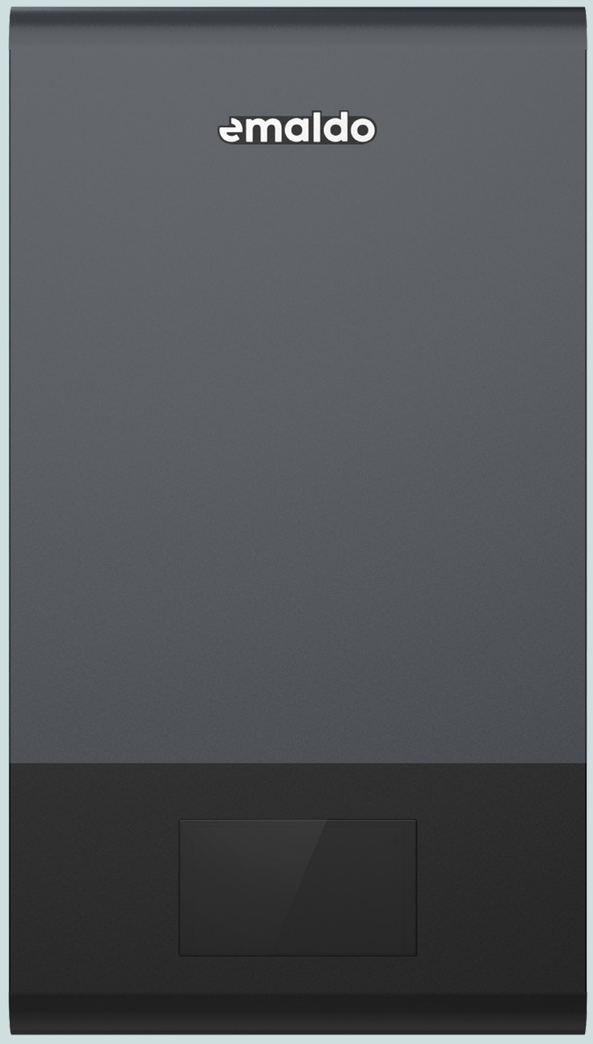
emaldo® one
/home

Emaldo® Flow

Specifications



Using multiple core monitoring and protection components, the Emaldo® Flow heat pump ensures stable performance in various operating conditions. These built-in safety features help maintain system efficiency, prevent failures, and safeguard the user during long-term operation.

Emaldo® Flow

Specifications

Emaldo® Flow is an energy-efficient air source heat pump using the natural refrigerant R290 with an ultra-low climate impact. Designed for heating, cooling and hot water, it combines A+++ efficiency, ultra-low noise levels and smart app control in one integrated solution. Reliable even in temperatures down to -25°C, making it ideal for modern Nordic homes.

General specifications (outdoor unit)

	60HCR5INVMV2	90HCR5INVMV2	130HCR5TINVMV2	160HCR5TINVMV2
Power Supply	220-240V~/50Hz	220-240V~/50Hz	380-415V/3N~/50Hz	380-415V/3N~/50Hz
Rated Water Flow Rate (m³/h)	1.03	1.55	2.20	2.75
Compressor Brand	MITSUBISHI/Rotary	MITSUBISHI/Rotary	MITSUBISHI/Rotary	MITSUBISHI/Rotary
Circulating Pump	Wilo/DC	Wilo/DC	Wilo/DC	Wilo/DC
Water Side Heat Exchanger	Plate	Plate	Plate	Plate
Air Side Heat Exchanger	Finned Tube	Finned Tube	Finned Tube	Finned Tube
Fan/Motor	Axial/DC	Axial/DC	Axial/DC	Axial/DC
Display	7-Inch / IPS 1024×600	7-Inch / IPS 1024×600	7-Inch / IPS 1024×600	7-Inch / IPS 1024×600
Remote Control	WIFI / APP / IOT	WIFI / APP / IOT	WIFI / APP / IOT	WIFI / APP / IOT
Refrigerant Type	R290	R290	R290	R290
Water Pipe Connection (inch)	G1 1/4"	G1 1/4"	G1 1/4"	G1 1/4"
Protection Class	IPX4	IPX4	IPX4	IPX4
Electricity Shock Proof	I	I	I	I
Net Weight (kg)	130	135	190	195
Net Dimensions (L×W×H) (mm)	1102×557×1021	1102×557×1021	1377×557×1021	1377×557×1021
SKU	W6 - EM-HP-W06-P1	W9 - EM-HP-W09-P1	W13 - EM-HP-W13-P3	W16 - EM-HP-W16-P3
[Space Heating] Ambient Temp. (DB/WB): 7°C/6°C, Water Temp. (Inlet/Outlet): 30°C/35°C				
Equivalent Maximum Heat Production (kW)	6	9	13	16
P_rated (Pdesignh, Average climate) (kW)	4.8/4.9	7.1/7.1	10.0/9.9	12.9/12.6
ns (Average climate) (%)	200/144	199/146	199/149	200/145
SCOP (EN14825 Average climate) (W/W)	5.08/3.66	5.05/3.73	5.05/3.80	5.07/3.69
ErP Level (EN14825 Average climate)	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heat Output (EN14511-2) (kW)	4.2/4.1	5.9/5.9	7.8/7.9	10.1/10.1
COP (EN14511-2) (W/W)	5.1/3.2	4.9/3.2	5.0/3.1	5.1/3.2
Sound Power Level (EN12021-1) (dB(A))	47/46	54/54	55/55	53/54
Sound Pressure Level at 1m (dB(A))	32/31	38/38	40/39	38/39
[Space Cooling] Ambient Temp. (DB/WB): 35°C / –, Water Temp. (Inlet/Outlet): 12°C/7°C				
Cooling Capacity (kW)	1.47~4.91	2.33~6.96	3.27~9.13	4.32~11.8
Power Input (kW)	0.34~1.60	0.54~2.23	0.75~2.99	0.98~3.78
Cooling Current Input Range (A)	1.49~7.03	2.37~9.79	1.23~4.55	1.61~5.81
EER (W/W)	4.32~3.07	4.31~3.12	4.34~3.06	4.38~3.12
[Hot Water] Ambient Temp. (DB/WB): 20°C/15°C, Water Temp. from 15°C to 55°C				
Heating Capacity (kW)	6.61	9.33	13.45	16.60
Power Input (kW)	1.52	2.14	3.11	3.82
Hot Water Current Input Range (A)	6.67	9.40	4.83	5.93
COP	4.35	4.35	4.32	4.35
Max. Power Input (kW)	2.8	4.5	5.4	5.8
Max. Running Current (A)	14.3	19.8	8.25	8.9
Max. Outlet Water Temp. (°C)	75	75	75	75
Operation Range (°C)	-25~43	-25~43	-25~43	-25~43

General specifications (indoor unit)

	Hydraulic Station HS10	Hydraulic Tower HT10
Power Supply	380-415V 3N~/50HZ	380-415V 3N~/50HZ
Max. Heating Power (kW)	9	9
Max. Heating Current (A)	13.7	13.7
Max. Outlet Water Temp. (°C)	75	75
Water IN/OUT Connection (inch)	G1-1/4"	G1-1/4"
DHW IN/OUT Connection (inch)	G1"	G1"
H&C IN/OUT Connection (inch)	G1"	G1"
TAP Water Connection (inch)	/	G1"
Sound Pressure dB(A) at 1m	30	31
Net Weight (kg)	35	125
Net Dimensions (L×W×H) (mm)	418×310×750	640×750×1950
Shipping Dimensions (L×W×H) (mm)	520×390×905	730×830×2087
Shipping Weight (kg)	40	135
Shipping Dimensions (L×W×H) (mm) 2	535×520×920	750×860×2100
Shipping Weight (kg) 2	45	145
Water Proof Class	IPX1	IPX1
Electricity Shock Proof	I	I
Water Tank (L)	/	200
SKU	AUX - EM-HP-C2-P3	AUX Tank - EM-HP-C3-P3

Notice

The data is for reference only. The specs data is subject to actual product.
The equivalent maximum heat output is for reference only; the unit will not reach maximum output at ambient temperatures above 0 °C.