

MULTITASKING FAN HEATER High Power Monobloc Heat Pump V10 Series

MUNDOCLIMA®

FEATURES

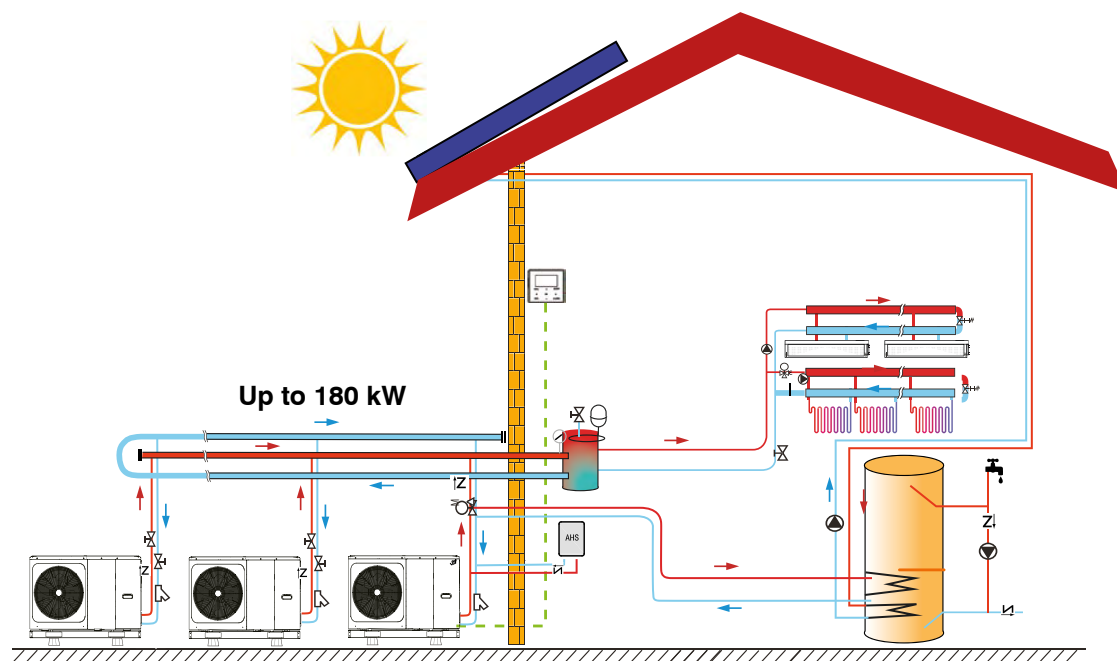
- Power from 18 to 30 kW
- Fully hydraulic installation.
- Variable speed circulating pump.
- Keymark certification.
- Low sound pressure level.
- Wide range of operating water temperatures.
- Operation under low outdoor temperatures.
- Multiple uses: heating, cooling and/or Domestic Hot Water.
- Up to two configurable zones.
- Possibility of cascade installation of up to 6 units.
- Control included with schedule and weekly programming.
- Configurable anti-legionella mode.
- Hybridization with a solar thermal system that can be integrated into the panel.
- Smart Grid function for hybridization with a photovoltaic installation.
- WIFI connection for app control.



Download "iLetComfort" application:



DIAGRAM



Monobloc Aerothermal Units

MULTITASKING FAN HEATER High Power Monobloc Heat Pump Series V10



SPECIFICATIONS

Model			MAM-18-V10T	MAM-22-V10T	MAM-26-V10T	MAM-30-V10T		
Code			CL45210	CL45211	CL45212	CL45213		
Heating (middle zone)	Conditions 1 Air: 7°C / 85% RH Water: 30 / 35 °C	Capacity	kW	18.0	22.0	26.0	30.1	
		Consumption	kW	3.83	5.00	6.37	7.70	
		COP		4.70	4.40	4.08	3.91	
		SCOP		4.60	4.53	4.50	4.20	
		ηs	%	181	178	177	165	
		Energy labeling		A+++	A+++	A+++	A++	
	Conditions 2 Air: 7°C / 85% RH Water: 40 / 45 °C	Capacity	kW	18.00	22.00	26.00	30.00	
		Consumption	kW	5.14	6.47	8.39	10.35	
		COP		3.50	3.40	3.10	2.90	
		Conditions 3 Air: 7°C / 85% RH Water: 47 / 55 °C	Capacity	kW	18.00	22.00	26.00	30.00
			Consumption	kW	6.55	8.30	10.61	13.04
			COP		2.75	2.65	2.45	2.30
	SCOP		3.20	3.23	3.15	3.15		
	ηs		%	125	126	123	123	
	Energy labeling		A++	A++	A+	A+		
Cooling	Conditions 4 Air: 35°C Water: 23 / 18 °C	Capacity	kW	18.50	23.00	27.00	31.00	
		Consumption	kW	3.90	5.00	6.28	7.75	
		EER		4.75	4.60	4.30	4.00	
		SEER		5.48	5.67	5.88	5.71	
	Conditions 5 Air: 35°C Water: 12 / 7 °C	Capacity	kW	17.00	21.00	26.00	29.50	
		Consumption	kW	5.57	7.12	9.63	11.57	
		EER		3.05	2.95	2.70	2.55	
		SEER		4.70	4.70	4.66	4.49	
Plate-type heat exchanger	Water volume		L	3.5	3.5	3.5	3.5	
	Maximum pressure drop		kPa	112	112	112	112	
Water pump	Model		Yonos FOR HF 25/12	Yonos FOR HF 25/12	Yonos FOR HF 25/12	Yonos FOR HF 25/12		
	Nominal flow		m³/h	3.10	3.78	4.47	5.18	
	Height		m	12	12	12	12	
Hydraulic connections	Inlet/outlet water		mm	DN 32	DN 32	DN 32	DN 32	
Expansion vessel volume			L	8	8	8	8	
Safety valve			MPa	0.3	0.3	0.3	0.3	
Fan	Air flow rate		m³/h	11,000	11,000	11,300	11,300	
Compressor	Brand		Mitsubishi Electric	Mitsubishi Electric	Mitsubishi Electric	Mitsubishi Electric		
	Model		LVB53FCAMC	LVB53FCAMC	LVB53FCAMC	LVB53FCAMC		
Sound pressure			dB (A)	57.6	59.8	61.5	63.5	
Sound power			dB (A)	71	73	75	77	
Dimensions (W x H x D)			mm	1129 x 1558 x 440	1129 x 1558 x 440	1129 x 1558 x 440	1129 x 1558 x 440	
Weight			kg	177	177	177	177	
Refrigerant	Type / GWP		R32 / 675	R32 / 675	R32 / 675	R32 / 675		
	Load		kg	5	5	5	5	
	CO ₂ equivalence		TCO ₂ eq	3.38	3.38	3.38	3.38	
Electrical Data	Power supply		V-Hz-Ph	380 - 415 / 50 / 3	380 - 415 / 50 / 3	380 - 415 / 50 / 3	380 - 415 / 50 / 3	
	Rated / max. intensity		A	18 / 21	21 / 24.5	24 / 27	28 / 28.5	
	Power cable (1*)		mm²	4 x 6 + T	4 x 6 + T	4 x 6 + T	4 x 6 + T	
Operating temperature range	Cooling		°C	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46	
	Heating		°C	-25 ~ 35	-25 ~ 35	-25 ~ 35	-25 ~ 35	
	DHW		°C	-25 ~ 43	-25 ~ 43	-25 ~ 43	-25 ~ 43	
Water supply temperature range	Cooling		°C	5 ~ 25	5 ~ 25	5 ~ 25	5 ~ 25	
	Heating		°C	25 ~ 60	25 ~ 60	25 ~ 60	25 ~ 60	
	DHW		°C	30 ~ 60	30 ~ 60	30 ~ 60	30 ~ 60	

(1*) Recommended power wiring for L < 20 m should be calculated according to the conditions of each installation.