

MASTER INVERTER

The next generation of Inverter Technology



PROPERTIES

- Unique design with ABS housing with reinforced aluminium frame
- Manometer and condens drain fitted as standard
- Automatic and fast defrost cycle
- 3 functions: Boost, Smart and Silence
- Also large types available and also 3-phase
- Operates down to -15°C
 - Heated compressor to prevent damage in extremely cold ambient temperatures
 - Heated circuit on the bottom plate to prevent ice build-up
- Very simple operation

TECHNICAL PROPERTIES

- R32 gas for higher efficiency
- Very low noise level (about 20dBa at 10 m)
- Full Inverter Technology (both for compressor and fan)
- Remote control via smartphone application (iOs or Android) with possibility to check parameters remotely and adjust them if necessary
- COP > 11
- 2D full DC inverter compressor Mitsubishi / Toshiba
- Softstarter
- TFT full-colour touchscreen (movable)



VERY HIGH EFFICIENCY



ABS / ALU HOUSING



OPERATION MODE



COLD & HOT



PROTECTION AGAINST PESTS



GAS



CERTIFICATE



WIFI MODULE



EXTREMELY QUIET



CONNECTED



HEAT PUMP COMPRESSOR HEAT EXCHANGER

3 YEAR WARRANTY **5 YEAR WARRANTY** **10 YEAR WARRANTY**



8+ LINKABLE WITH **bluematic**

+2 extra years
(if connected to 4G module)

TEST CONDITIONS	MODUS	MODELS	MASTER XS 15 - 45 m ³	MASTER S 45 - 55 m ³	MASTER S+ 55 - 70 m ³	MASTER M 70 - 85 m ³	MASTER XM 85 - 105 m ³	MASTER L+ 105 - 160 m ³
SCOP according to EN 17645			7,5	8,9	8,3	7,3	7,0	7,0
Air 26°C Water 26°C Humidity 80%	BOOST	Capacity	9,3 kW	10,6 kW	13,1 kW	16,1 kW	20,4 kW	28,2 kW
		COP	5,5	7,3	6,9	5,9	5,7	5,6
	SMART	Capacity	9,3 - 4,8 kW	10,6 - 5,8 kW	13,1 - 7,2 kW	16,1 - 8,9 kW	20,4 - 11,1 kW	28,2 - 15,3 kW
		COP	5,5 - 10,8	7,33 - 10,8	6,3 - 11,2	5,9 - 10,8	5,7 - 10,1	5,6 - 10,1
	SILENCE	Capacity	4,8 kW	5,8 kW	7,2 kW	8,9 kW	11,1 kW	15,3 kW
		COP	10,8	11,1	11,2	10,8	10,1	10,1
Air 15°C Water 26°C Humidity 70%	BOOST	Capacity	6,6 kW	7,8 kW	9,8 kW	12,5 kW	14,6 kW	22,9 kW
		COP	5,2	5,6	5,0	4,8	4,7	4,7
	SMART	Capacity	6,6 - 3,7 kW	7,8 - 4,3 kW	9,8 - 5,4 kW	12,5 - 6,4 kW	14,6 - 8,3 kW	22,9 - 12,2 kW
		COP	5,2 - 6,4	5,6 - 7,1	5,0 - 7,1	4,8 - 6,4	4,5 - 6,6	6,8 - 4,1
	SILENCE	Capacity	3,7 kW	4,3 kW	5,4 kW	6,4 kW	8,3 kW	12,2 kW
		COP	6,4	7,1	7,1	6,4	6,9	4,8
Air -7°C Water 26°C Humidity 0%	BOOST	Capacity	3,4 kW	4,7 kW	5,5 kW	6,1 kW	8,3 kW	12,0 kW
		COP	2,8	4,0	3,6	3,0	3,0	2,8
Power	230V/1/50HZ							
Max power consumption (A)	1,8 kW	2,0 kW	2,4 kW	3,4 kW	4,1 kW	6,0 kW		
Refrigerant gas	R32							
Compressor type	2D Full DC Inverter Mitsubishi / Toshiba							
Heat exchanger	Titanium Spiral							
Recommended flow rate (m ³ /h)	3 m ³ /h	3 m ³ /h	4 m ³ /h	5 m ³ /h	6 m ³ /h	10 m ³ /h		
Sound pressure level at 10m (dB(a))	21 dB(a)	21 dB(a)	22 dB(a)	22 dB(a)	24 dB(a)	25 dB(a)		
Fan	Variable Speed Fan							
Fuse & cable size up to 20 m from the main fuse	C 10A 3G2,5 mm ²	C 10A 3G2,5 mm ²	C 16A 3G2,5 mm ²	C 20A 3G4 mm ²	C 20A 3G4 mm ²	C 40A 3G10 mm ²		
Connection	1,5" / 50 mm							
Weight (kg)	46 kg	48 kg	49 kg	62 kg	63 kg	94 kg		
Dimensions (lxwxh)	980 x 411 x 609	980 x 411 x 609	980 x 411 x 609	1080 x 474 x 715	1080 x 474 x 715	1178 x 518 x 872		
Casing	Metal ABS / ALU cabinet - UV treated / Panels with sound insulation							

REF	TYPE
03031002	Polytropic Master Inverter 9 kW - XS
03031003	Polytropic Master Inverter 11 kW - S
03031004	Polytropic Master Inverter 13 kW - S+
03031005	Polytropic Master Inverter 17 kW - M
03031135	Polytropic Master Inverter 17 kW - M (380 V)
03031006	Polytropic Master Inverter 21 kW - XM
03031116	Polytropic Master Inverter 21 kW - XM (380 V)
03031009	Polytropic Master Inverter 28 kW - L+
03031010	Polytropic Master Inverter 28 kW - L+ (380 V)
03031161	Polytropic Master Inverter 35 kW - XL (380 V)

