

The background of the advertisement is a photograph of a building's exterior wall and ceiling. A white, rectangular air-to-air heat pump unit is mounted on the wall. The ceiling is made of corrugated metal with visible structural beams and pipes. A blue diagonal graphic element runs across the right side of the image.

mark

building climate technology

MISTRAL MDX

air-to-air heat pump system
with R32 refrigerant

Sustainable heating and cooling with the
Mark Mistral MDX 30 and 60.

**Dedicated
to people.**



Sustainable heating and cooling with the Mark MISTRAL MDX

The Mistral MDX is specially developed for energy-efficient heating and cooling of large spaces. The combination of an air-to-air heat pump (outdoor unit) with a compact air heater/cooler (indoor unit) ensures excellent performance and a versatile, energy-efficient climate solution.

More environmentally friendly and flexible

Thanks to the use of R32 as a refrigerant, this new generation MDX is a more environmentally friendly climate solution. The long available pipe length and the wide temperature range make the Mistral MDX versatile. Because the Mistral MDX has been specifically developed for industrial use, it is extremely suitable for heating and cooling e.g. garages, warehouses, workshops, distribution centres and showrooms.

Product Features

- Available in capacities of 24 kW (MDX 30) and 48 kW (MDX 60)
- Robust design
- Very easy to maintain
- Runs on R32, energy-efficient and more environmentally friendly
- Air-to-air heat pump
- Cooling and heating
- Large temperature range
- Indoor unit equipped with EC fan
- Suitable for hybrid setup with gas-fired or electric heaters
- Optional integrated condensate pump
- Pipe lengths up to 60 m
- Refilling not necessary up to 30 m
- Isolator switch pre-assembled on indoor unit
- Ambient temperature range indoor unit
 - Cooling: 17°C (80%) to 41°C (25%)
 - Heating: 7°C to 24°C

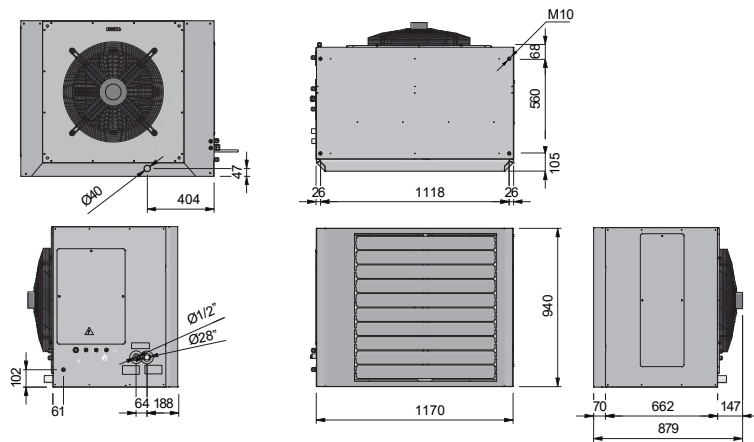
Hybrid-ready: flexible and cost-saving

The hybrid preparation ensures that the system works seamlessly with new or existing gas-fired air heaters. This means that the installed capacity of the Mistral MDX can remain lower, because the gas-fired units provide the required capacity in severe cold.

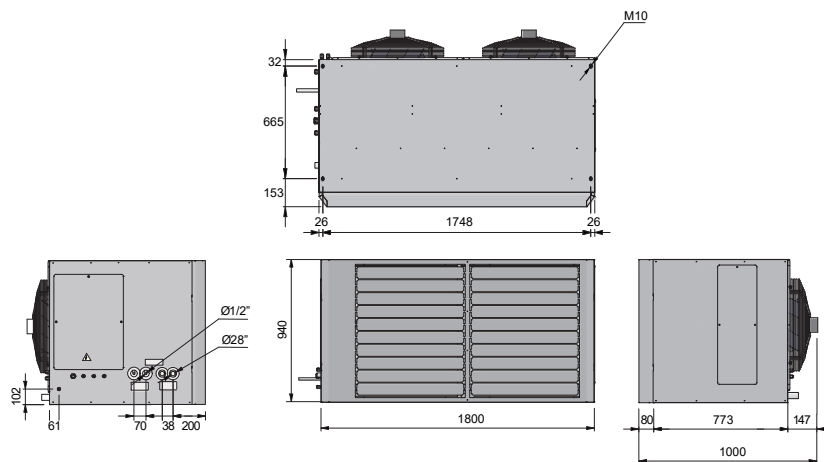
The Mistral MDX 30 and MDX 60 are flexible climate solutions that provide significant savings on energy costs. Contact us for the possibilities.



Dimensions - indoor unit



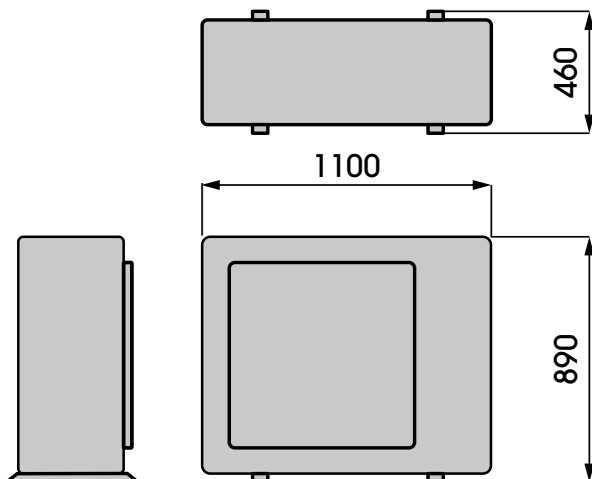
MDX 30



MDX 60

Dimensions - outdoor unit

MDX 30 (1x) and MDX 60 (2x)

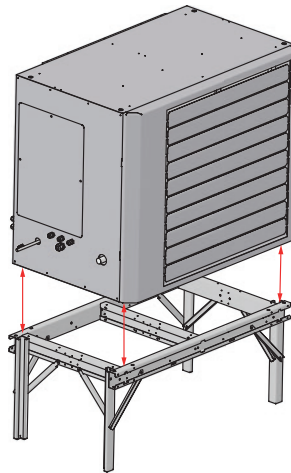
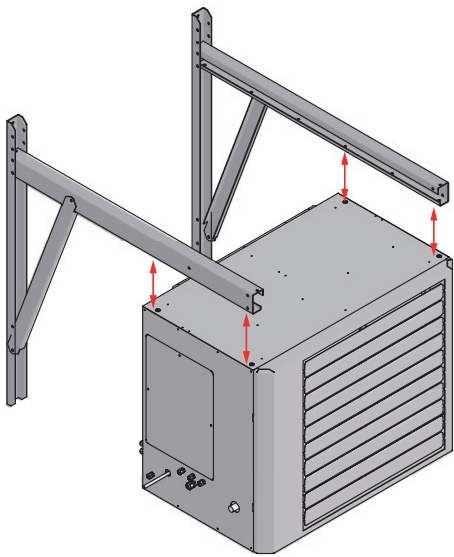


Technical information

Type			MDX 30	MDX 60
heating	Power			
	Nominal capacity	kW	24	48
	Power range	kW	4,6 - 28	9,2 - 56
	Nominal capacity at -10°C	kW	19,8	39,6
	SCOP		5,03	
cooling	Nominal capacity	kW	22,5	45
	Power range	kW	4,6 - 25	9,2 - 50
	SEER		6,21	
Electrical data				
Power supply		Ph/V/Hz	3/400/50	
Nominal Consumed current		A	11,9	2 x 11,9
Maximum current		A	23,0	2 x 23,0
Fuse		A	3 x 25	2 x 3 x 25
Refrigerant features				
Refrigerant			R32	
Refrigerant content		kg	5	2 x 5
DC Inverter compressor		no. / type	Hermetic compressor	
Pipe connections	Liquid	Ø inch	1/2"	2 x 1/2"
	Gas	Ø mm	28,6 (1 ^{1/8} "	2 x 28,6 (1 ^{1/8} "
Distance indoor and outdoor unit	min	m	5	
	max	m	30/60*	
Maximum height difference		m	30	
Specifications outdoor unit				
Dimensions (LxHxW)		mm	890 x 1100 x 460	2 x 890 x 1100 x 460
Net weight		kg	117	2 x 117
Sound pressure level (5 mtr.)	max	dB(A)	53/55	56/58
Air flow	max	m³/h	7600	2 x 7600
Operating limits (outside temperature)	Cooling	°C	46 to -20	
	Heating	°C	15 to -27	
Specifications indoor unit				
Weight		kg	112	176
Air flow	max	m³/h	5400	11200
Sound pressure level (5 mtr.) at max air flow		dB(A)	51	56
Throw		m	17	22
Pipe connections	Liquid	Ø mm (inch)	12,7 (1/2")	2 x 12,7 (1/2")
	Gas	Ø mm	28,6 (1 ^{1/8} "	2 x 28,6 (1 ^{1/8} "
Power supply		Ph/V(Hz)/kW	1/230(50)/0,24	1/230V(50)/0,48
Temperature range	Cooling	°C	17 (80%) - 41(25%)	
	Heating	°C	7 - 24	

* <30 m without refilling, 30-60 m refilling necessary.

Assembly/location suggestions



Controls



Control combination options

Mistral MDX + **1** + **2**

1 = Pintherm Mistral (0629110)

2 = Room sensor required for 0629110 (0629086)

1



2



Prices MARK MISTRAL MDX 30/60

PRODUCT - MISTRAL MDX HEAT PUMP SYSTEM (R32)

Code nr.	Description	Price	
5992702	Mistral MDX 30 (indoor- + outdoor unit, excl. condensate pump)	€	19867
5992706	Mistral MDX 60 (indoor- + 2 pieces outdoor unit, excl. condensate pump)	€	33754
5992712	Mistral MDX 30 (indoor- + outdoor unit, incl. condensate pump)	€	20675
5992716	Mistral MDX 60 (indoor- + 2 pieces outdoor unit, incl. condensate pump)	€	34562

ACCESSORIES - CONTROL

Code nr.	Description	Price	
1 0629110	Pintherm Mistral	€	726
2 0629086	Room sensor in combination with 0629110	€	93
	Multi controller voor max. 3 pieces Mistral MDX	On request	
	Multi controller voor max. 6 pieces Mistral MDX	On request	
0631149	Isolator switch 63A in combination with the outdoor unit(s)*	€	110

* for the MDX 60, two isolator switches should be ordered.

The indoor units have a pre-mounted isolator switch.

ACCESSORIES - MOUNTING

Code nr.	Description	Price	
5017595	Set of wall mounting brackets (2 pieces)	€	386
5017597	Adjustable support frame for outdoor unit Mistral MDX (2 pieces for MDX 60)	€	1318
5016840	Support frame for Mistral MDX 30 indoor unit	€	396
5016842	Support frame for Mistral MDX 60 indoor unit	€	486

ACCESSORIES - ADDITIONAL SECTIONS - VERTICAL LOUVRES

Code nr.	Description	Price	
5064341	Vertical louvres for MDX type 30	€	227
5064342	Vertical louvres for MDX type 60	€	401

The MISTRAL MDX

A pleasant indoor climate

Mark Climate Technology is happy to advise you on a pleasant indoor climate for your project. With free advice (also on site), our own service department and a wide product range, we can serve every customer tailor-made.







building climate technology

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