

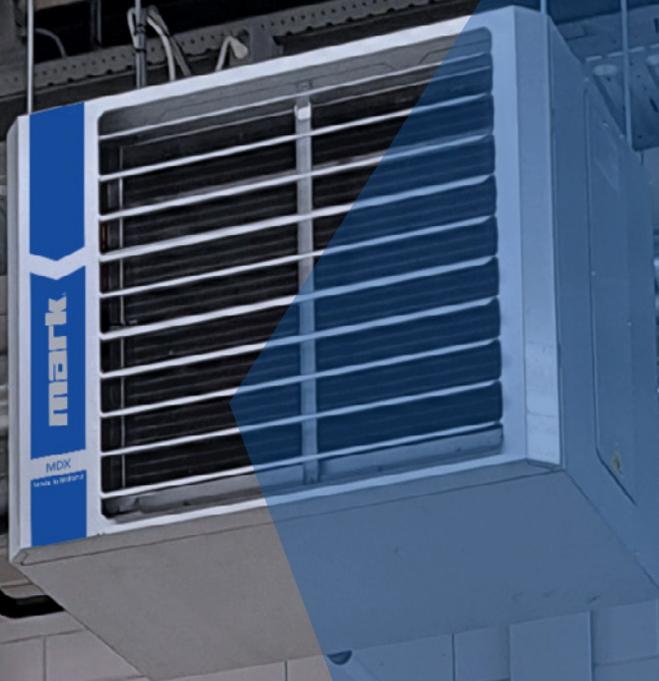
mark

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 28 kW (MDX 30) and 56 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 100 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

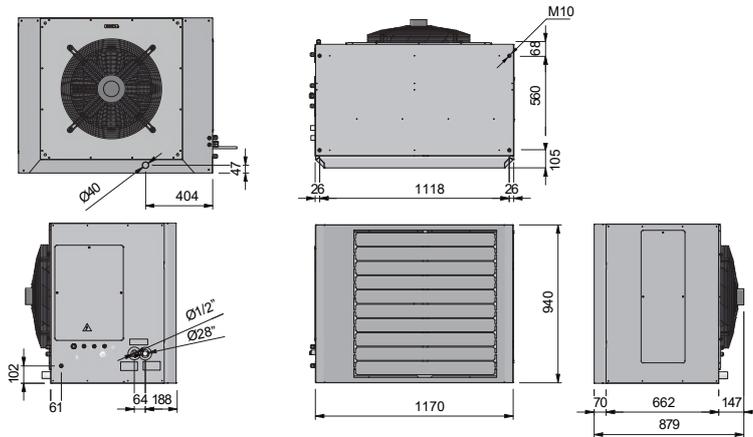
Hybrid-ready: flexible and cost-saving

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.

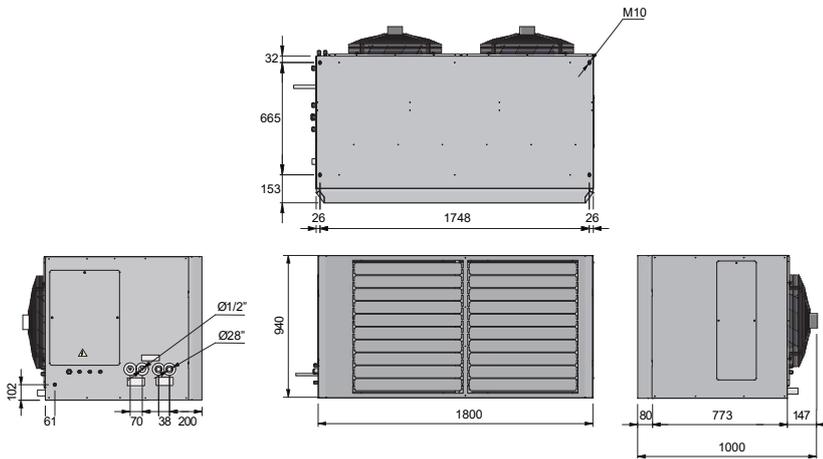
The Mistral MDX 30 and MDX 60 are flexible climate solutions that provide significant savings on energy costs. Contact us for the possibilities.



Dimensions - indoor unit



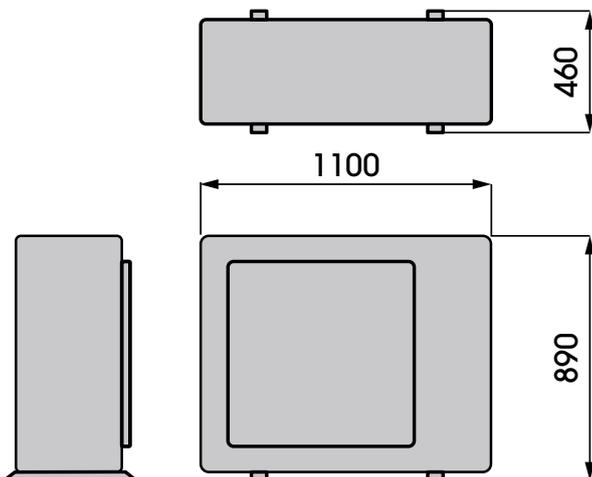
MDX 30



MDX 60

Dimensions - outdoor unit

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

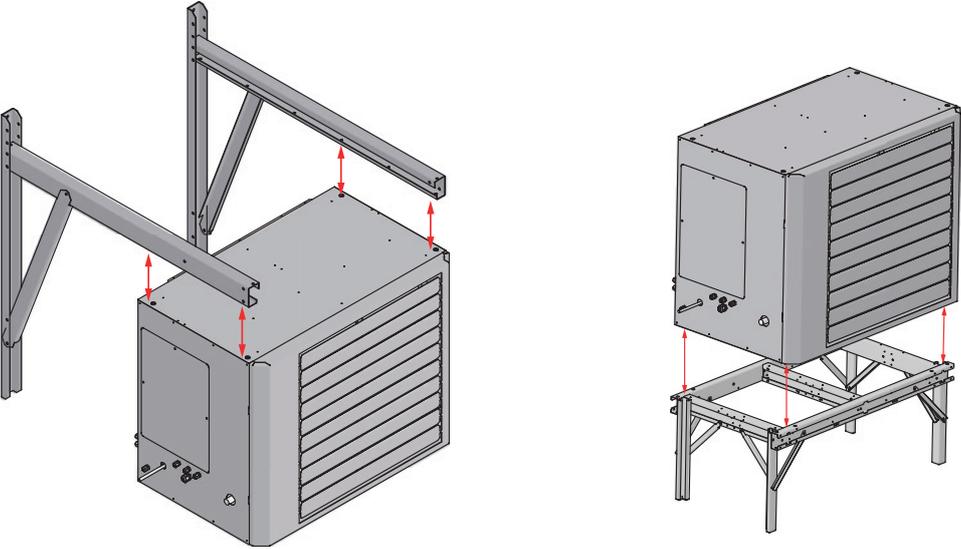


Technical information

Type		MDX 30	MDX 60	
Power				
heating	Nominal capacity	kW	28	56
	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	30/100*	
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	m ³ /h	7600	2 x 7600
Operating limits (outside temperature)	Cooling	°C	46 to -20	
	Heating	°C	15 to -27	
Specifications indoor unit				
Weight		kg	105.5	176
Air flow	max	m ³ /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, 30-100 m refilling necessary.

Assembly/location suggestions

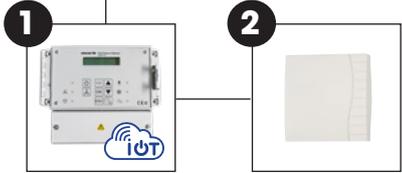


Controls



Control combination options

- Mistral MDX + **1** + **2**
- 1 = PinTherm Mistral with Ethernet, Modbus and Cloud control (IoT: 0629110-50 / IoT+WiFi: 3003872)
 - 2 = Room sensor required with 0629110/3003872 (0629086)



Prices MARK MISTRAL MDX 30/60

PRODUCT - MISTRAL MDX HEAT PUMP SYSTEM (R32)

Code nr.	Description	Price
5992702	Mistral MDX 30 (indoor unit excl. condensate pump + outdoor unit)	On request
5992706	Mistral MDX 60 (indoor unit excl. condensate pump + 2 pieces outdoor unit)	On request
5992712	Mistral MDX 30 (indoor unit incl. condensate pump + outdoor unit)	On request
5992716	Mistral MDX 60 (indoor unit incl. condensate pump + 2 pieces outdoor unit)	On request

ACCESSORIES - CONTROL

Code nr.	Description	Price
1 0629110-50	PinTherm Mistral IoT room thermostat with Ethernet, Modbus and Cloud control	€ 835
1 3003872	PinTherm Mistral IoT/WiFi room thermostat with Ethernet, Modbus and Cloud control	€ 889
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
3004498	Hybrid controller - hybrid control for combining a Mark air heater with a Mistral MDX heat pump system	€ 1720
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)	€ 405
5017597	Adjustable support frame for outdoor unit Mistral MDX	€ 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.





The logo for 'mark' is displayed in a bold, white, lowercase sans-serif font. It is contained within a blue graphic element that resembles a stylized banner or a ribbon, with a pointed right end.

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