mark

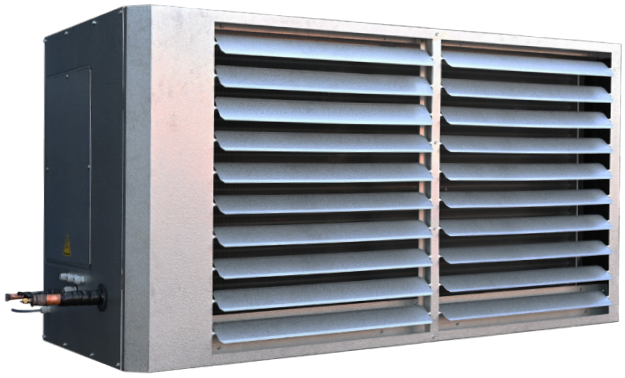
building climate technology

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

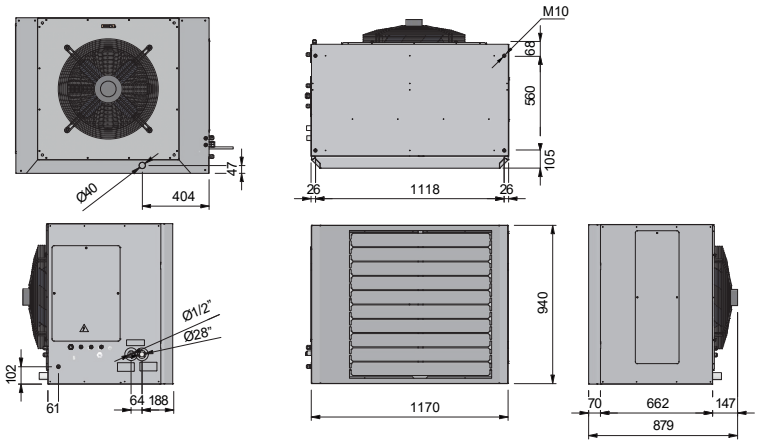
- Available in capacities of 24 kW (MDX 30) and 48 kW (MDX 60)
- Robust design
- Very easy to maintain
- Runs on R32, energy-efficient and more environmentally friendly
- Air-to-air heat pump
- Cooling and heating
- Large temperature range
- Indoor unit equipped with EC fan
- Suitable for hybrid setup 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

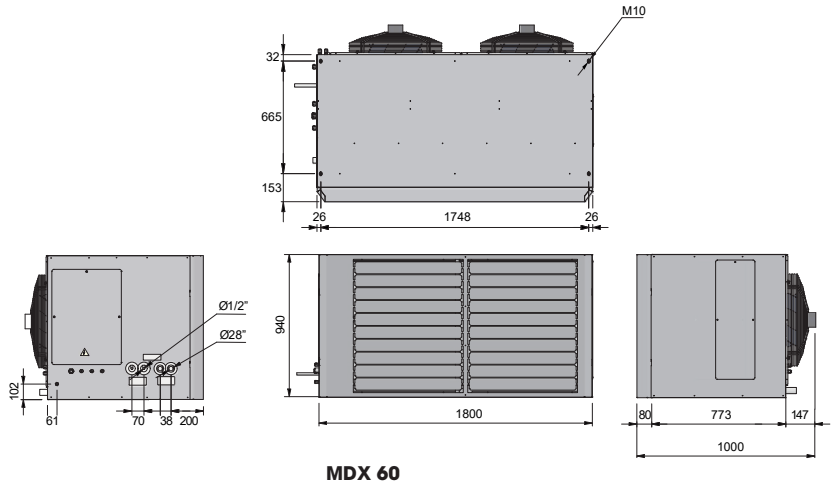
The hybrid preparation ensures that the system works seamlessly with new or existing gas-fired air heaters. This means that the installed capacity of the Mistral MDX can remain lower, because the gas-fired units provide the required capacity in severe cold.

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



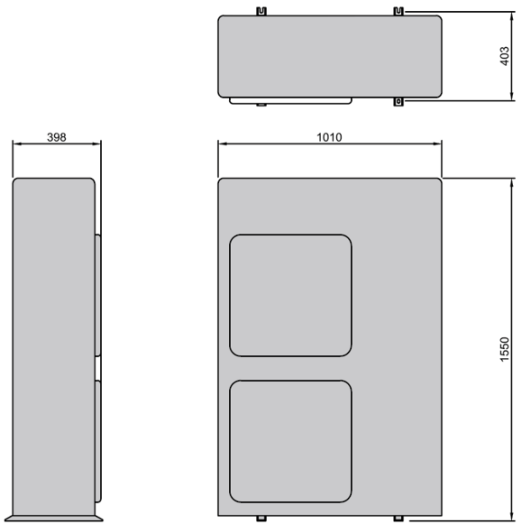
MDX 30



MDX 60

Dimensions - outdoor unit

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

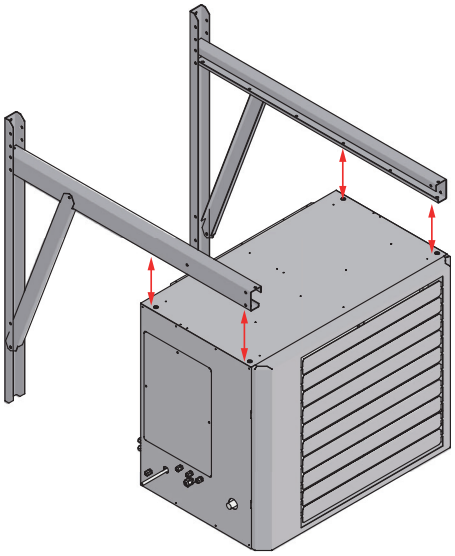


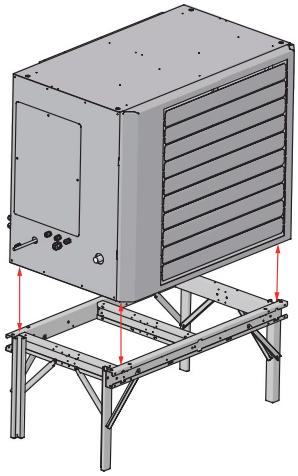
Technical information

	Type			MDX 30	MDX 60
	Power		**HP**		
heating	Nominal capacity		kW	24	48
heating	Power range		kW	4,6-28	9,2-56
heating	Nominal capacity at -10°C		kW	19,8	39,6
heating	SCOP			5,03	
cooling	Nominal capacity		kW	22,5	45
cooling	Power range		kW	4,6 -25	9,2-50
cooling	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*25	2 x 3x25
	Refrigerant features				
	Refrigerant			R32	
	Refrigerant content		kg	5	2 x 5
	DC Inverter compressor		no. / type	1 / Rotary DC Inverter	
	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	1010x1550x400	2 x 1010x1550x400
	Net weight		kg	142	2 x 142
	Sound pressure level (5 mtr.)	max	dB(A)	53/55	
	Air flow	max	m^3/h	10890	2 x 10890
	Operating limits (outside temperature)	Cooling	°C	-15	
		Heating	°C	-27	
	Specifications indoor unit				
	Weight		kg	112	176
	Air flow	max	m^3/h	5400	11200
	Sound pressure level (5 mtr.) at max air flow		dB(A)	51	56
	Throw		m		
	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°C (80%) - 41°C(25%)	
		Heating	°C	7°C - 24°C	

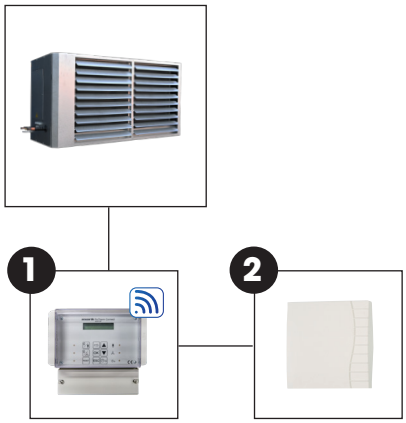
* <30 m without refilling, 30-60 m refilling necessary.

Assembly/location suggestions





Controls



Control combination options				
Mistral MDX	+	1	+	2

1 = Pintherm Mistral (0629110)
2 = Room sensor required for 0629110 (0629086)

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.

markclimate.com

building climate technology

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