



MISTRAL MDX

Air-to-air VRF heat pump system
for large spaces

Sustainable heating and cooling with the Mark MDX
VRF system. Powers of 33 and 56 kW.



For more information, downloads and
videos, visit the MISTRAL MDX page on
our website



Product features

- Available with powers of 33 kW and 56 kW
- Air to air heat pump VRF-system
- Cooling and heating
- Large temperature range
- Indoor unit with EC fan
- Energy efficient
- Pipe length: 50 meters
- Refrigerant: R410a
- Optional: integrated condensate pump

Sustainable heating and cooling with the Mark MISTRAL MDX

The Mark MISTRAL MDX is a VRF system, which 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. Thanks to the extensive setting options, the installation can be fully adapted to the use of the building and the wishes of the users.

Thanks to the long available pipe lengths (up to 50 metres) and the wide temperature range, the MISTRAL MDX has many application options. Suitable for heating and cooling garages, warehouses, workshops, distribution centers and showrooms.

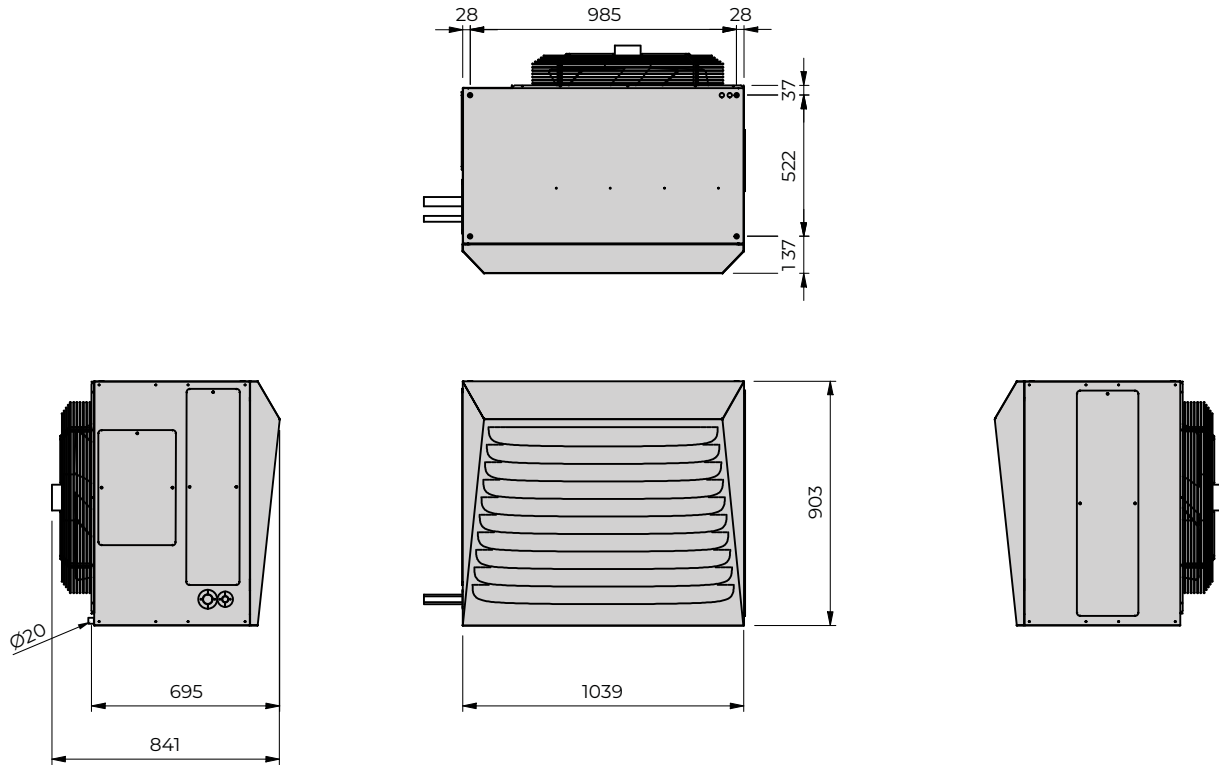
Ambient temperature range (indoor unit):

- Cooling: +17°C - +43°C
- Heating: +7°C - +25°C

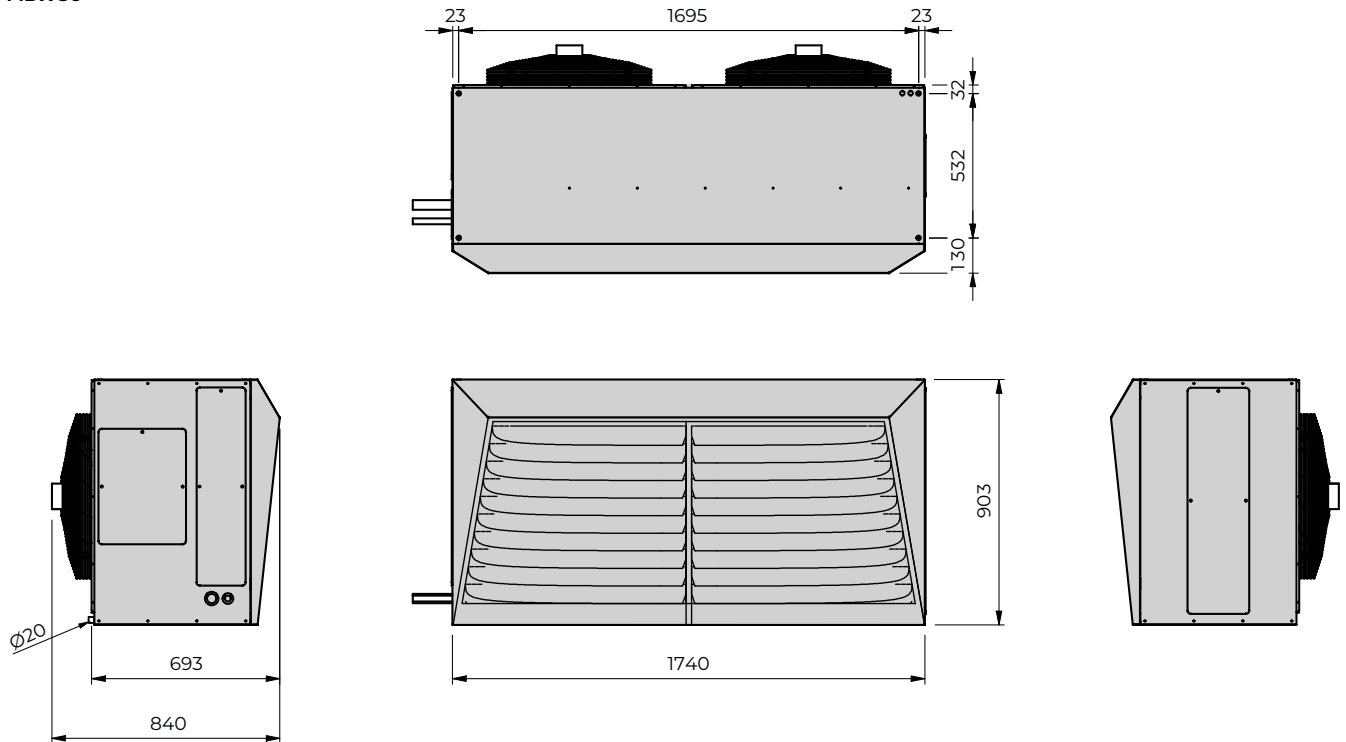


Dimensions - indoor unit

MDX 33

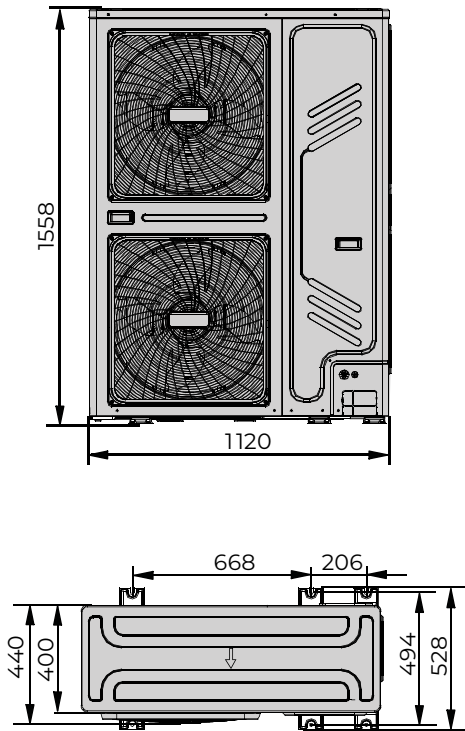


MDX 56

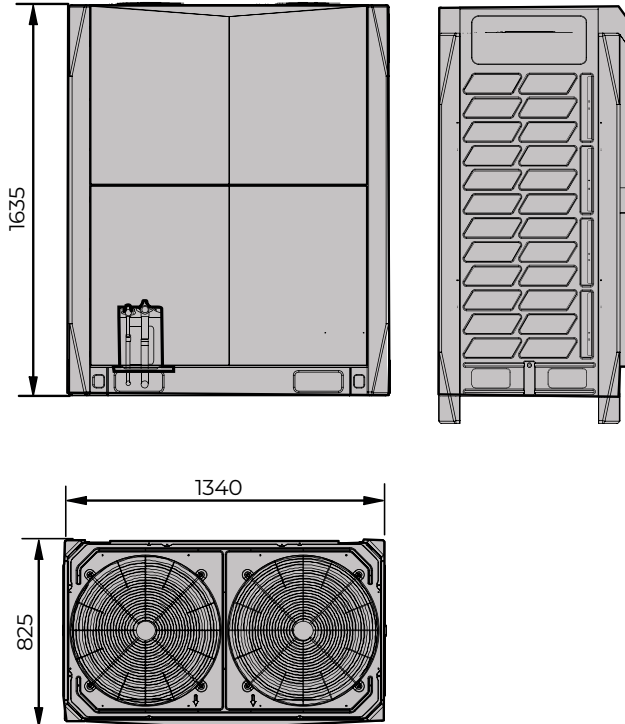


Dimensions - outdoor unit

MDX 33



MDX 56



Technical information

Type			MDX 33	MDX 56
Power		HP	12	20
cooling	Nominal capacity ¹	kW	33,5	56
	Absorbed power ¹	kW	15,3	16
	EER ¹		2,19	3,5
heating	Nominal capacity ²	kW	33,5	56
	Absorbed power ²	kW	10,15	13,8
	COP ²		3,30	4,05
	Maximal capacity ²	kW	37,5	63
	Absorbed power ²	kW	11,72	19,21
	COP ²		3,20	3,28
SCOP			3,975	3,575
Electrical data				
Power supply		Ph/V/Hz	3/380-415/50	3/380-415/50
Maximum current		A	19,60	35
Refrigerant features				
Refrigerant			R410A	R410A
Quality refrigerant pre-load		kg	8	17
DC Inverter compressor		no. / type	1 / Rotary DC Inverter	2 / Scroll DC Inverter
Pipe connections	Liquid	Ø mm (inch)	12,7 (1/2")	19,1 (3/4")
	Gas	Ø mm (inch)	25,4 (1")	31,8 (1 1/4")
Specifications outdoor unit				
Dimensions (LxHxD)		mm	1120x1558x528	1340x1635x825
Net weight		kg	157	344
Sound pressure level (5 mtr.)		max dB(A)	47	52
Air flow		max m ³ /h	11300	17000
Operating limits (outside temperature)	Cooling	°C	-5 ~ +48	-5 ~ +48
	Heating	°C	-20 ~ +24	-23 ~ +24
Specifications indoor unit				
Weight		kg	94	157
Air flow		max m ³ /h	6600	11200
Sound pressure level (5 mtr.) at max air flow		dB(A)	53	56
Throw		m	19	22
Pipe diameter	Liquid	Ø mm (inch)	12,7 (1/2")	15,8 (5/8")
	Gas	Ø mm (inch)	28,58 (1 1/8")	34,92 (1 3/8")
Power supply		Ph/V/(Hz)kW	1/230/(50)0,24	1/230/(50)0,48
Temperature range	Cooling	°C		+17 ~ +43
	Heating	°C		+7 ~ +25
Pipe length		max m		50

¹ Indoor air temperature 27°C DB, 19°C WB; outdoor air temperature 35°C DB; equivalant refrigerant piping length 7.5m with zero level difference.

² Indoor air temperature 20°C DB, 19°C WB; outdoor air temperature 7°C DB, 6°C WB; equivalant refrigerant piping length 7.5m with zero level difference.

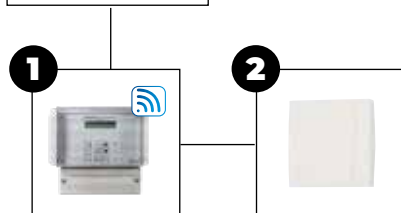
Controls



Control combination options

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

See price list for description and code numbers of the relevant items



Prices Mark MISTRAL MDX



PRODUCT - MISTRAL MDX VRF HEAT PUMP SYSTEM

Code nr.	Description	Price
5992703	Mistral MDX 33 kW (indoor + outdoor unit, incl. expansion valve)	€ 19728
5992705	Mistral MDX 56 kW (indoor + outdoor unit, incl. expansion valve)	€ 34122

ACCESSORIES - CONTROL

Code nr.	Description	Price
1 0629110	Pintherm Mistral	€ 635
2 0629086	Room sensor required for 0629110	€ 89
0631144	Isolator switch 80A black	€ 545
0631146	Isolator switch 50A black	€ 106
0631163	Isolator switch 230V (4 poles)	€ 68

ACCESSORIES - MONTAGE

Code nr.	Description	Price
5017595	Set wall mounting brackets (2 pieces)	€ 386

ACCESSOIRES - CONDENSATE

Code nr.	Description	Price
3100550	Condensate pump	€ 384