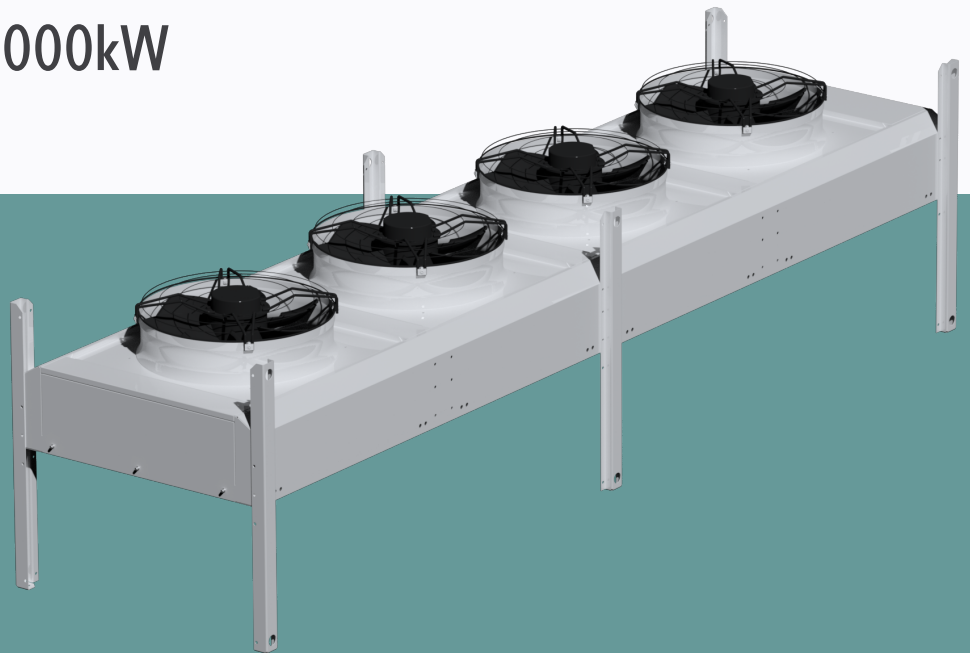


MISTRAL SERIES

Dry coolers

Heat rejection: 10÷2000kW



SELECTION GUIDE

MISTRAL-F
MISTRAL-V
MISTRAL-W

December 2020

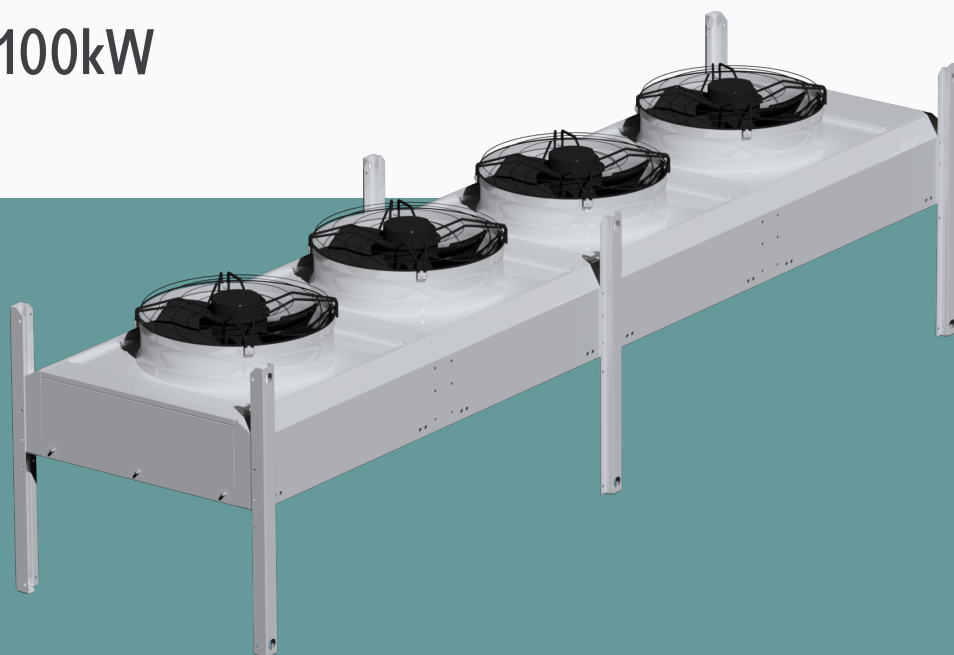
www.kaltra.com

KALTRA

MISTRAL-F

Flatbed dry coolers

Heat rejection: 10÷1100kW



SELECTION GUIDE

June 2020

www.kaltra.com

KALTRA

MISTRAL-F

Flatbed dry coolers

Mistral-F dry coolers combine the latest cooling technologies, highest energy efficiency, and compact construction to target a wide range of applications, from urban installations to industrial process cooling. Noteworthy, these dry coolers offer the lowest level of noise emissions, making them best suitable for modern city infrastructures.

- High-performance finned tube heat exchangers with inner-grooved copper tubes
- Efficient fans driven by AC- and EC-motors with fan speed control options
- Robust design for long service life



Features and optional

To meet precise customer requirements, we made available a vast array of accessories and options for the Mistral-F lineup of dry coolers.



DESIGNED FOR WATER, GLYCOLS,
OILS AND SPECIAL FLUIDS



EASY ACCESS FOR MAINTENANCE
AND SERVICING



INTELLIGENT FAN SPEED
CONTROL



CONFIGURABLE FOR HORIZONTAL OR
VERTICAL AIRFLOW



LEADING ENERGY EFFICIENCIES
IN APPLICATIONS



HEAT EXCHANGER COATINGS
FOR CORROSION PROTECTION



SPACE-SAVING, LOW-HEIGHT
DESIGN



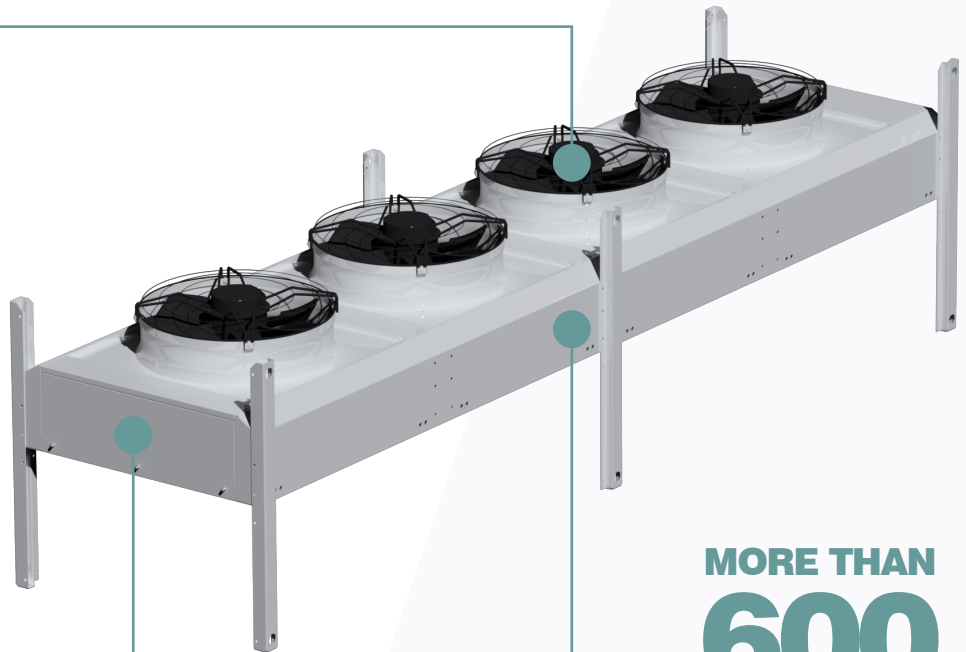
ULTRA-LOW NOISE
EMISSIONS

MISTRAL-F

Flatbed dry coolers

Axial fans

Smart fan system balanced for power consumption and low noise incorporates AC- or EC-driven fans with monitoring functionality. Additional silencing diffusers are perfect for noise-sensitive applications. Choice of fan motors allows configurations for installations in extremely low to tremendously hot ambient conditions.



Fan speed control

Fan speed controllers, optionally available for both AC- and EC-driven fans, combined with high-precision temperature sensors, enable accurate thermal management for Mistral-F dry coolers.

MORE THAN
600
MODELS
AVAILABLE

Heat exchangers

Mistral-F design incorporates optimized copper tube and aluminum fins heat exchangers with various protective coatings, including epoxy coating. Optionally, we offer heat exchangers with stainless steel tubes.

Quickspecs

CAPACITY @ DT15 K EG 35%	10 ÷ 1100 kW	FIN SPACING	2.1 / 2.4 / 3.6 mm
UNIT LENGTH	< 12500 mm	FAN DIAMETER	500 / 630 / 800 / 900 / 1000 mm
HEAT EXCHANGERS	FINNED TUBE	NUMBER OF FANS	1 ÷ 16
FIN/TUBE MATERIAL	ALUMINUM / COPPER	FAN MOTORS	AC / EC

For more information about Mistral-F series dry coolers, refer to : <https://www.kaltra.com/products/dry-coolers>

KALTRA

MISTRAL-F SF50

Flatbed dry coolers

www.kaltra.com

Ø 500 mm

FAN DIAMETER

10,2 ÷ 182,8 kW

CAPACITY @ DT 15K

1 ÷ 8

NUMBER OF FANS

MISTRAL-F SF50-1.1



MISTRAL-F SF50-2.1



MISTRAL-F SF50-3.1



MISTRAL-F SF50-4.1



MISTRAL-F SF50-2.2



MISTRAL-F SF50-3.2

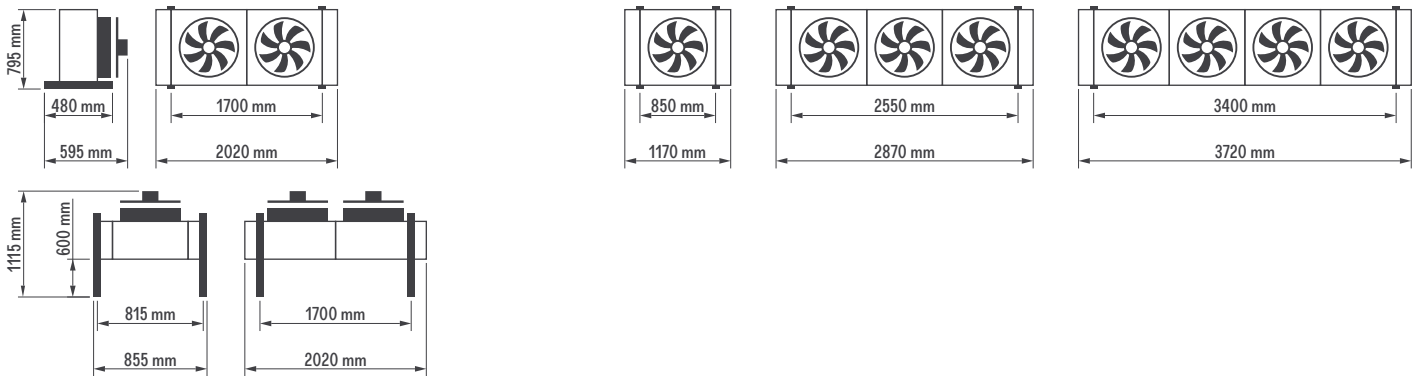


MISTRAL-F SF50-4.2

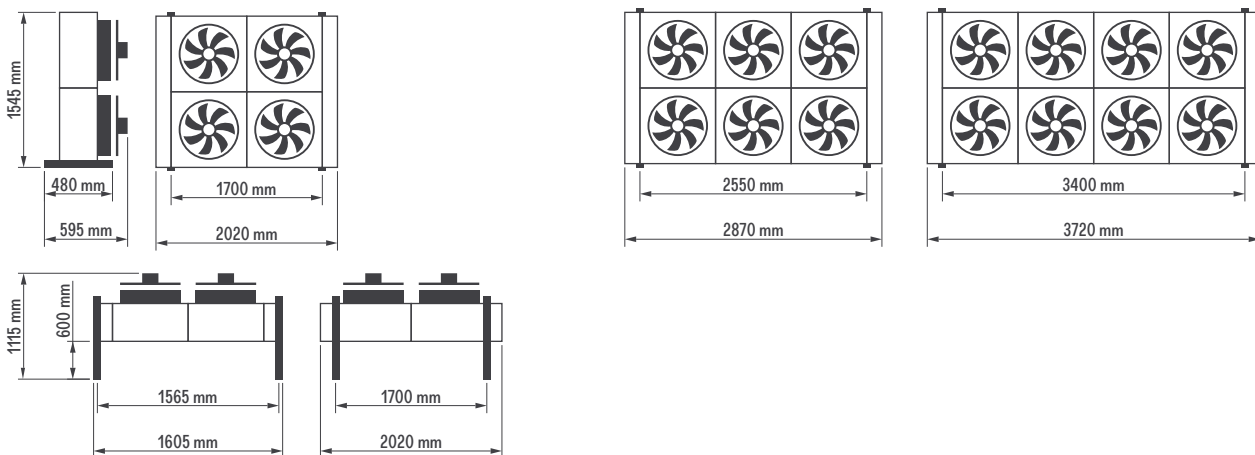


DIMENSIONS

MISTRAL-F SF50-1.1/2.1/3.1/4.1



MISTRAL-F SF50-2.2/3.2/4.2



MODEL CODE

MISTRAL-F S F 50 2.1 A 4D AC

MISTRAL-F	Flatbed dry cooler
S	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
50	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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Please check the current position with Kaltra

MISTRAL-F SF50

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF50-1.1 A 4 D	14.7	2.8	35	7900	44	1	0.72	1.4	25	50	1"
MISTRAL-F SF50-1.1 B 4 D	19.7	3.8	65	7500	44	1	0.72	1.4	38	55	1"
MISTRAL-F SF50-1.1 C 4 D	22.5	4.3	49	7150	44	1	0.72	1.4	50	60	1 1/4
MISTRAL-F SF50-2.1 A 4 D	30.8	5.9	74	15750	47	2	1.44	2.8	50	90	1 1/4
MISTRAL-F SF50-2.1 B 4 D	39.3	7.5	56	15000	47	2	1.44	2.8	75	100	1 1/2
MISTRAL-F SF50-2.1 C 4 D	45.4	8.7	55	14350	47	2	1.44	2.8	100	110	1 1/2
MISTRAL-F SF50-3.1 A 4 D	45.3	8.7	51	23650	48	3	2.16	4.2	75	130	1 1/2
MISTRAL-F SF50-3.1 B 4 D	57.9	11.1	38	22550	48	3	2.16	4.2	112	145	2"
MISTRAL-F SF50-3.1 C 4 D	68.3	13.0	57	21500	48	3	2.16	4.2	150	155	2"
MISTRAL-F SF50-4.1 A 4 D	59.1	11.3	34	31550	49	4	2.88	5.6	100	175	2"
MISTRAL-F SF50-4.1 B 4 D	79.7	15.2	73	30050	49	4	2.88	5.6	150	190	2 1/2
MISTRAL-F SF50-4.1 C 4 D	91.1	17.4	58	28700	49	4	2.88	5.6	200	210	2 1/2
MISTRAL-F SF50-2.2 A 4 D	61.6	11.8	74	31550	49	2 x 2	2.88	5.6	100	160	2x 1 1/4
MISTRAL-F SF50-2.2 B 4 D	77.3	14.8	40	30050	49	2 x 2	2.88	5.6	150	175	2x 1 1/2
MISTRAL-F SF50-2.2 C 4 D	91.3	17.4	63	28700	49	2 x 2	2.88	5.6	200	195	2x 1 1/2
MISTRAL-F SF50-3.2 A 4 D	90.7	17.3	51	47300	51	2 x 3	4.32	8.5	150	235	2x 1 1/2
MISTRAL-F SF50-3.2 B 4 D	113.8	21.7	28	45050	51	2 x 3	4.32	8.5	225	260	2x 2"
MISTRAL-F SF50-3.2 C 4 D	137.0	26.2	63	43050	51	2 x 3	4.32	8.5	300	285	2x 2"
MISTRAL-F SF50-4.2 A 4 D	118.2	22.6	34	63100	52	2 x 4	5.76	11.3	200	305	2x 2"
MISTRAL-F SF50-4.2 B 4 D	158.2	30.2	61	60100	52	2 x 4	5.76	11.3	300	340	2x 2 1/2
MISTRAL-F SF50-4.2 C 4 D	182.8	34.9	63	57400	52	2 x 4	5.76	11.3	400	375	2x 2 1/2

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF50-1.1 A 6 D	12.1	2.3	56	5100	40	1	0.26	0.6	25	50	1"
MISTRAL-F SF50-1.1 B 6 D	14.9	2.9	40	4850	40	1	0.26	0.6	38	55	1"
MISTRAL-F SF50-1.1 C 6 D	16.5	3.2	29	4650	40	1	0.26	0.6	50	60	1 1/4
MISTRAL-F SF50-2.1 A 6 D	24.5	4.7	63	10200	43	2	0.52	1.3	50	90	1 1/4
MISTRAL-F SF50-2.1 B 6 D	30.2	5.8	49	9700	43	2	0.52	1.3	75	100	1 1/2
MISTRAL-F SF50-2.1 C 6 D	34.1	6.5	58	9300	43	2	0.52	1.3	100	110	1 1/2
MISTRAL-F SF50-3.1 A 6 D	36.8	7.0	65	15300	44	3	0.78	1.9	75	130	1 1/2
MISTRAL-F SF50-3.1 B 6 D	45.1	8.6	45	14600	44	3	0.78	1.9	112	145	2"
MISTRAL-F SF50-3.1 C 6 D	51.4	9.8	62	13950	44	3	0.78	1.9	150	155	2"
MISTRAL-F SF50-4.1 A 6 D	48.8	9.3	58	20400	45	4	1.04	2.5	100	175	2"
MISTRAL-F SF50-4.1 B 6 D	60.4	11.5	45	19450	45	4	1.04	2.5	150	190	2 1/2
MISTRAL-F SF50-4.1 C 6 D	68.6	13.1	64	18600	45	4	1.04	2.5	200	210	2 1/2
MISTRAL-F SF50-2.2 A 6 D	48.9	9.3	63	20400	45	2 x 2	1.04	2.5	100	160	2x 1 1/4
MISTRAL-F SF50-2.2 B 6 D	60.5	11.5	49	19450	45	2 x 2	1.04	2.5	150	175	2x 1 1/2
MISTRAL-F SF50-2.2 C 6 D	68.6	13.1	68	18600	45	2 x 2	1.04	2.5	200	195	2x 1 1/2
MISTRAL-F SF50-3.2 A 6 D	73.6	14.1	65	30650	47	2 x 3	1.56	3.8	150	235	2x 1 1/2
MISTRAL-F SF50-3.2 B 6 D	91.1	17.4	52	29150	47	2 x 3	1.56	3.8	225	260	2x 2"
MISTRAL-F SF50-3.2 C 6 D	102.8	19.6	62	27900	47	2 x 3	1.56	3.8	300	285	2x 2"
MISTRAL-F SF50-4.2 A 6 D	98.3	18.8	67	40850	48	2 x 4	2.08	5.0	200	305	2x 2"
MISTRAL-F SF50-4.2 B 6 D	121.2	23.1	49	38900	48	2 x 4	2.08	5.0	300	340	2x 2 1/2
MISTRAL-F SF50-4.2 C 6 D	137.2	26.2	64	37200	48	2 x 4	2.08	5.0	400	375	2x 2 1/2

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F SF50

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF50-1.1 A 8 D	10.2	1.9	41	3850	34	1	0.13	0.3	25	50	1"
MISTRAL-F SF50-1.1 B 8 D	12.2	2.3	28	3650	34	1	0.13	0.3	38	55	1"
MISTRAL-F SF50-1.1 C 8 D	13.5	2.6	33	3450	34	1	0.13	0.3	50	60	1 1/4"
MISTRAL-F SF50-2.1 A 8 D	20.8	4.0	62	7650	37	2	0.26	0.6	50	90	1 1/4"
MISTRAL-F SF50-2.1 B 8 D	24.9	4.7	47	7250	37	2	0.26	0.6	75	100	1 1/2"
MISTRAL-F SF50-2.1 C 8 D	27.2	5.2	39	6900	37	2	0.26	0.6	100	110	1 1/2"
MISTRAL-F SF50-3.1 A 8 D	30.9	5.9	48	11500	38	3	0.39	0.9	75	130	1 1/2"
MISTRAL-F SF50-3.1 B 8 D	37.8	7.2	56	10900	38	3	0.39	0.9	112	145	2"
MISTRAL-F SF50-3.1 C 8 D	41.0	7.8	41	10350	38	3	0.39	0.9	150	155	2"
MISTRAL-F SF50-4.1 A 8 D	41.0	7.8	43	15300	39	4	0.52	1.2	100	175	2"
MISTRAL-F SF50-4.1 B 8 D	50.4	9.6	57	14550	39	4	0.52	1.2	150	190	2 1/2"
MISTRAL-F SF50-4.1 C 8 D	54.7	10.4	43	13850	39	4	0.52	1.2	200	210	2 1/2"
MISTRAL-F SF50-2.2 A 8 D	41.1	7.8	46	15300	39	2 x 2	0.52	1.2	100	160	2x 1 1/4"
MISTRAL-F SF50-2.2 B 8 D	50.4	9.6	61	14550	39	2 x 2	0.52	1.2	150	175	2x 1 1/2"
MISTRAL-F SF50-2.2 C 8 D	54.8	10.4	46	13850	39	2 x 2	0.52	1.2	200	195	2x 1 1/2"
MISTRAL-F SF50-3.2 A 8 D	61.9	11.8	48	22950	41	2 x 3	0.78	1.8	150	235	2x 1 1/2"
MISTRAL-F SF50-3.2 B 8 D	75.6	14.4	56	21800	41	2 x 3	0.78	1.8	225	260	2x 2"
MISTRAL-F SF50-3.2 C 8 D	81.9	15.6	41	20750	41	2 x 3	0.78	1.8	300	285	2x 2"
MISTRAL-F SF50-4.2 A 8 D	82.6	15.8	49	30600	42	2 x 4	1.04	2.4	200	305	2x 2"
MISTRAL-F SF50-4.2 B 8 D	101.1	19.3	58	29050	42	2 x 4	1.04	2.4	300	340	2x 2 1/2"
MISTRAL-F SF50-4.2 C 8 D	109.4	20.9	43	27650	42	2 x 4	1.04	2.4	400	375	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F SF60

Flatbed dry coolers

www.kaltra.com

Ø 630 mm

FAN DIAMETER

13,1 ÷ 311,3 kW

CAPACITY @ DT 15K

1 ÷ 8

NUMBER OF FANS

MISTRAL-F SF60-1.1



MISTRAL-F SF60-2.1



MISTRAL-F SF60-3.1



MISTRAL-F SF60-4.1



MISTRAL-F SF60-2.2



MISTRAL-F SF60-3.2

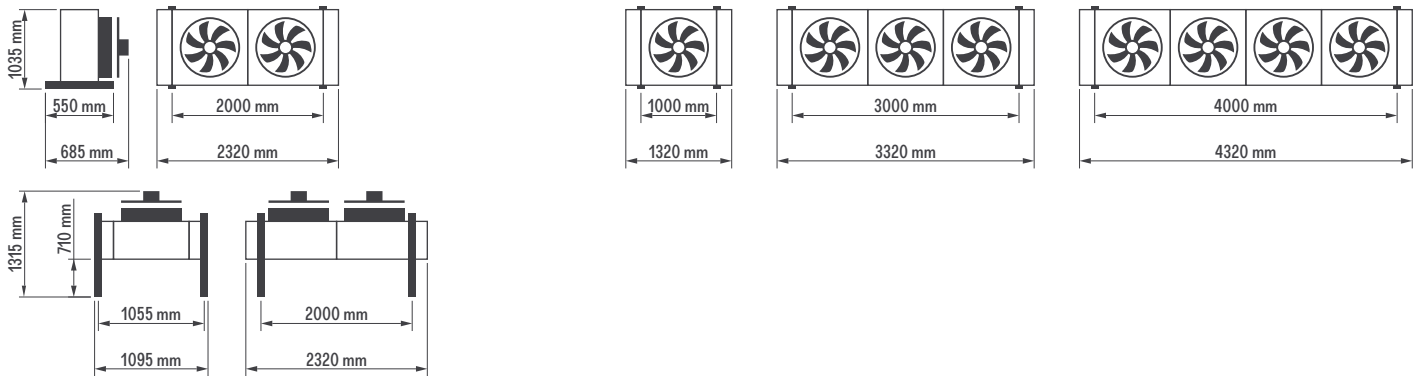


MISTRAL-F SF60-4.2

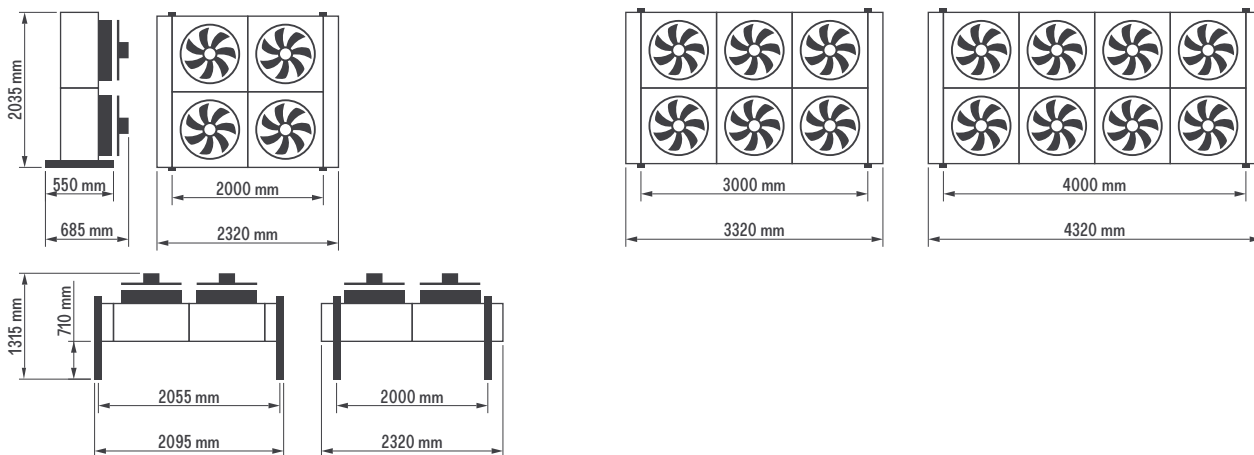


DIMENSIONS

MISTRAL-F SF60-1.1/2.1/3.1/4.1



MISTRAL-F SF60-2.2/3.2/4.2



MODEL CODE

MISTRAL-F S F 60 2.1 A 4D AC

MISTRAL-F	Flatbed dry cooler
S	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
60	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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Please check the current position with Kaltra

MISTRAL-F SF60

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF60-1.1 A 4 D	25.3	4.8	45	14650	50	1	1.97	3.4	39	75	1"
MISTRAL-F SF60-1.1 B 4 D	33.5	6.4	50	13950	50	1	1.97	3.4	59	80	1"1/4
MISTRAL-F SF60-1.1 C 4 D	39.1	7.5	48	13350	50	1	1.97	3.4	78	85	1"1/4
MISTRAL-F SF60-2.1 A 4 D	52.2	10.0	70	29300	52	2	3.94	6.8	78	140	1"1/2
MISTRAL-F SF60-2.1 B 4 D	67.5	12.9	54	27900	52	2	3.94	6.8	118	150	2"
MISTRAL-F SF60-2.1 C 4 D	78.0	14.9	42	26700	52	2	3.94	6.8	157	165	2"
MISTRAL-F SF60-3.1 A 4 D	73.9	14.1	27	43900	54	3	5.91	10.2	118	200	2"
MISTRAL-F SF60-3.1 B 4 D	95.5	18.2	21	41850	54	3	5.91	10.2	176	225	2"
MISTRAL-F SF60-3.1 C 4 D	118.5	22.6	55	40050	54	3	5.91	10.2	235	245	2"1/2
MISTRAL-F SF60-4.1 A 4 D	104.2	19.9	65	58550	55	4	7.88	13.6	157	265	2"
MISTRAL-F SF60-4.1 B 4 D	134.7	25.7	50	55800	55	4	7.88	13.6	235	295	2"1/2
MISTRAL-F SF60-4.1 C 4 D	155.7	29.7	39	53400	55	4	7.88	13.6	313	320	DN80
MISTRAL-F SF60-2.2 A 4 D	104.4	19.9	70	58550	55	2 x 2	7.88	13.6	157	250	2x 1"1/2
MISTRAL-F SF60-2.2 B 4 D	135.0	25.8	54	55800	55	2 x 2	7.88	13.6	235	280	2x 2"
MISTRAL-F SF60-2.2 C 4 D	155.9	29.8	42	53400	55	2 x 2	7.88	13.6	313	305	2x 2"
MISTRAL-F SF60-3.2 A 4 D	147.7	28.2	27	87850	57	2 x 3	11.82	20.4	235	370	2x 2"
MISTRAL-F SF60-3.2 B 4 D	205.9	39.3	74	83700	57	2 x 3	11.82	20.4	353	410	2x 2"
MISTRAL-F SF60-3.2 C 4 D	237.1	45.2	55	80100	57	2 x 3	11.82	20.4	470	455	2x 2"1/2
MISTRAL-F SF60-4.2 A 4 D	208.4	39.8	65	117100	58	2 x 4	15.76	27.2	313	490	2x 2"
MISTRAL-F SF60-4.2 B 4 D	269.5	51.4	50	111600	58	2 x 4	15.76	27.2	470	545	2x 2"1/2
MISTRAL-F SF60-4.2 C 4 D	311.3	59.4	39	106800	58	2 x 4	15.76	27.2	627	600	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF60-1.1 A 6 D	20.7	4.0	53	9500	39	1	0.60	1.2	39	75	1"
MISTRAL-F SF60-1.1 B 6 D	26.1	5.0	46	9050	39	1	0.60	1.2	59	80	1"1/4
MISTRAL-F SF60-1.1 C 6 D	29.9	5.7	56	8650	39	1	0.60	1.2	78	85	1"1/4
MISTRAL-F SF60-2.1 A 6 D	41.4	7.9	46	19000	41	2	1.20	2.4	78	140	1"1/2
MISTRAL-F SF60-2.1 B 6 D	53.4	10.2	66	18100	41	2	1.20	2.4	118	150	2"
MISTRAL-F SF60-2.1 C 6 D	60.4	11.5	70	17250	41	2	1.20	2.4	157	165	2"
MISTRAL-F SF60-3.1 A 6 D	62.3	11.9	53	28500	43	3	1.80	3.6	117	200	2"
MISTRAL-F SF60-3.1 B 6 D	78.9	15.1	46	27150	43	3	1.80	3.6	176	225	2"
MISTRAL-F SF60-3.1 C 6 D	88.1	16.8	32	25900	43	3	1.80	3.6	235	245	2"1/2
MISTRAL-F SF60-4.1 A 6 D	82.6	15.8	43	38000	44	4	2.40	4.8	157	265	2"
MISTRAL-F SF60-4.1 B 6 D	103.3	19.7	31	36200	44	4	2.40	4.8	235	295	2"1/2
MISTRAL-F SF60-4.1 C 6 D	121.5	23.2	75	34550	44	4	2.40	4.8	313	320	2"1/2
MISTRAL-F SF60-2.2 A 6 D	82.7	15.8	46	38000	44	2 x 2	2.40	4.8	157	250	2x 1"1/2
MISTRAL-F SF60-2.2 B 6 D	106.7	20.4	66	36200	44	2 x 2	2.40	4.8	235	280	2x 2"
MISTRAL-F SF60-2.2 C 6 D	119.5	22.8	49	34550	44	2 x 2	2.40	4.8	313	305	2x 2"
MISTRAL-F SF60-3.2 A 6 D	125.8	24.0	61	57000	46	2 x 3	3.60	7.2	235	370	2x 2"
MISTRAL-F SF60-3.2 B 6 D	157.8	30.1	46	54300	46	2 x 3	3.60	7.2	353	410	2x 2"
MISTRAL-F SF60-3.2 C 6 D	176.3	33.6	32	51800	46	2 x 3	3.60	7.2	470	455	2x 2"1/2
MISTRAL-F SF60-4.2 A 6 D	165.2	31.5	43	75950	47	2 x 4	4.80	9.6	313	490	2x 2"
MISTRAL-F SF60-4.2 B 6 D	206.5	39.4	31	72400	47	2 x 4	4.80	9.6	470	545	2x 2"1/2
MISTRAL-F SF60-4.2 C 6 D	242.9	46.4	75	69100	47	2 x 4	4.80	9.6	627	600	2x 2"1/2

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F SF60

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF60-1.1 A 8 D	16.3	3.1	64	6000	32	1	0.24	0.6	39	75	1"
MISTRAL-F SF60-1.1 B 8 D	19.6	3.8	44	5750	32	1	0.24	0.6	59	80	1 1/4"
MISTRAL-F SF60-1.1 C 8 D	21.4	4.1	31	5500	32	1	0.24	0.6	78	85	1 1/4"
MISTRAL-F SF60-2.1 A 8 D	32.5	6.2	57	12000	34	2	0.47	1.1	78	140	1 1/2"
MISTRAL-F SF60-2.1 B 8 D	40.0	7.6	66	11500	34	2	0.47	1.1	118	150	2"
MISTRAL-F SF60-2.1 C 8 D	43.1	8.2	38	11000	34	2	0.47	1.1	156	165	2"
MISTRAL-F SF60-2.2 A 8 D	65.0	12.4	57	23950	37	3	0.94	2.2	157	250	2x 1 1/2"
MISTRAL-F SF60-2.2 B 8 D	79.9	15.3	66	22950	37	3	0.94	2.2	235	280	2x 2"
MISTRAL-F SF60-2.2 C 8 D	86.7	16.5	44	22050	37	3	0.94	2.2	313	305	2x 2"
MISTRAL-F SF60-3.1 A 8 D	49.7	9.5	93	17950	36	4	0.71	1.7	118	200	2"
MISTRAL-F SF60-3.1 B 8 D	59.9	11.4	63	17250	36	4	0.71	1.7	176	225	2"
MISTRAL-F SF60-3.1 C 8 D	65.2	12.4	44	16550	36	4	0.71	1.7	235	245	2 1/2"
MISTRAL-F SF60-3.2 A 8 D	95.7	18.3	37	35950	39	2 x 2	1.41	3.3	235	370	2x 2"
MISTRAL-F SF60-3.2 B 8 D	119.8	22.9	63	34450	39	2 x 2	1.41	3.3	353	410	2x 2"
MISTRAL-F SF60-3.2 C 8 D	130.3	24.9	44	33050	39	2 x 2	1.41	3.3	470	455	2x 2 1/2"
MISTRAL-F SF60-4.1 A 8 D	62.8	12.0	27	23950	37	2 x 3	0.94	2.2	157	265	2"
MISTRAL-F SF60-4.1 B 8 D	79.8	15.2	62	22950	37	2 x 3	0.94	2.2	235	295	2 1/2"
MISTRAL-F SF60-4.1 C 8 D	86.7	16.5	41	22050	37	2 x 3	0.94	2.2	313	320	2 1/2"
MISTRAL-F SF60-4.2 A 8 D	125.6	24.0	27	47900	40	2 x 4	1.88	4.4	313	490	2x 2"
MISTRAL-F SF60-4.2 B 8 D	159.7	30.5	62	45950	40	2 x 4	1.88	4.4	470	545	2x 2 1/2"
MISTRAL-F SF60-4.2 C 8 D	173.4	33.1	41	44100	40	2 x 4	1.88	4.4	627	600	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF60-1.1 A 12 D	13.1	2.5	44	4250	25	1	0.1	0.27	39	75	1"
MISTRAL-F SF60-1.1 B 12 D	15.2	2.9	28	4050	25	1	0.1	0.27	59	80	1 1/4"
MISTRAL-F SF60-1.1 C 12 D	16.0	3.1	18	3850	25	1	0.1	0.27	78	85	1 1/4"
MISTRAL-F SF60-2.1 A 12 D	26.4	5.0	56	8550	27	2	0.2	0.54	78	140	1 1/2"
MISTRAL-F SF60-2.1 B 12 D	30.8	5.9	42	8100	27	2	0.2	0.54	118	150	2"
MISTRAL-F SF60-2.1 C 12 D	32.4	6.2	24	7700	27	2	0.2	0.54	157	165	2"
MISTRAL-F SF60-3.1 A 12 D	39.9	7.6	63	12800	29	3	0.3	0.81	118	200	2"
MISTRAL-F SF60-3.1 B 12 D	46.3	8.8	40	12150	29	3	0.3	0.81	176	225	2"
MISTRAL-F SF60-3.1 C 12 D	48.7	9.3	26	11600	29	3	0.3	0.81	235	245	2 1/2"
MISTRAL-F SF60-4.1 A 12 D	52.8	10.1	52	17100	30	4	0.4	1.08	157	265	2"
MISTRAL-F SF60-4.1 B 12 D	61.7	11.8	39	16200	30	4	0.4	1.08	235	295	2 1/2"
MISTRAL-F SF60-4.1 C 12 D	65.0	12.4	25	15450	30	4	0.4	1.08	313	320	2 1/2"
MISTRAL-F SF60-2.2 A 12 D	52.8	10.1	56	17100	30	2 x 2	0.4	1.08	157	250	2x 1 1/2"
MISTRAL-F SF60-2.2 B 12 D	61.6	11.8	42	16200	30	2 x 2	0.4	1.08	235	280	2x 2"
MISTRAL-F SF60-2.2 C 12 D	65.0	12.4	26	15450	30	2 x 2	0.4	1.08	313	305	2x 2"
MISTRAL-F SF60-3.2 A 12 D	79.9	15.2	63	25600	32	2 x 3	0.7	1.62	235	370	2x 2"
MISTRAL-F SF60-3.2 B 12 D	92.5	17.7	40	24300	32	2 x 3	0.7	1.62	353	410	2x 2"
MISTRAL-F SF60-3.2 C 12 D	97.6	18.6	26	23150	32	2 x 3	0.7	1.62	470	455	2x 2 1/2"
MISTRAL-F SF60-4.2 A 12 D	106.2	20.3	59	34150	33	2 x 4	0.9	2.16	313	490	2x 2"
MISTRAL-F SF60-4.2 B 12 D	123.3	23.5	39	32400	33	2 x 4	0.9	2.16	470	545	2x 2 1/2"
MISTRAL-F SF60-4.2 C 12 D	130.0	24.8	25	30900	33	2 x 4	0.9	2.16	627	600	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F F60

Flatbed dry coolers

www.kaltra.com

Ø 630 mm

FAN DIAMETER

14,6 ÷ 359,5 kW

CAPACITY @ DT 15K

1 ÷ 6

NUMBER OF FANS

MISTRAL-F F60-1.1



MISTRAL-F F60-2.2



MISTRAL-F F60-2.1



MISTRAL-F F60-3.2

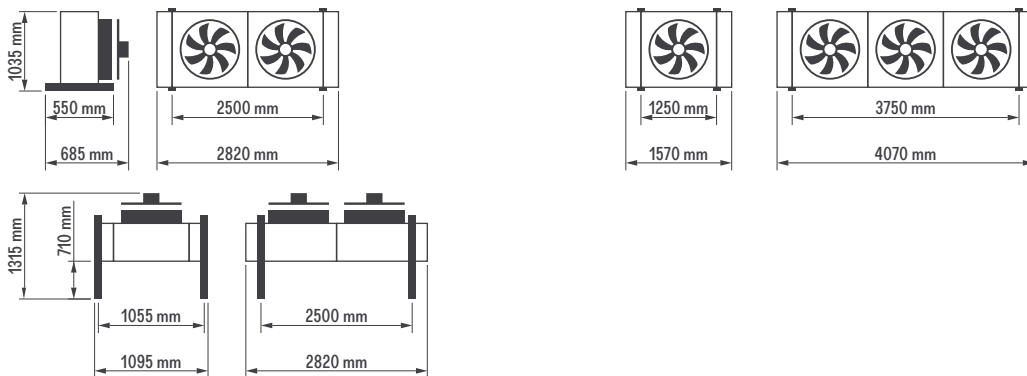


MISTRAL-F F60-3.1

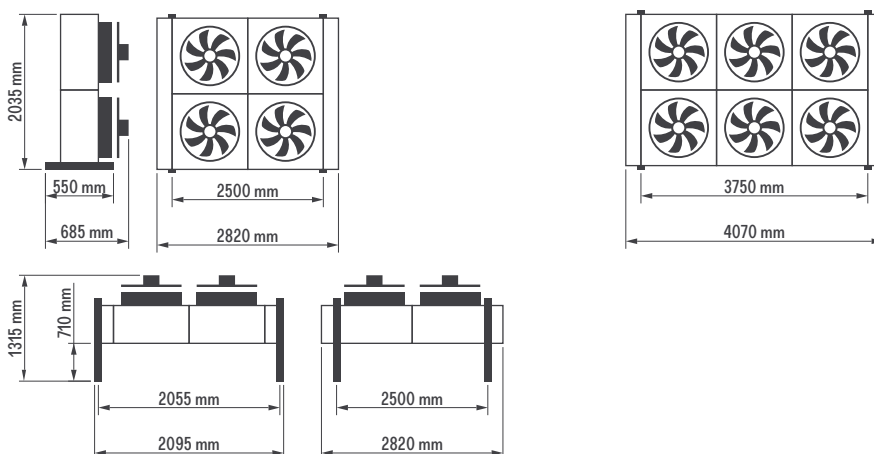


DIMENSIONS

MISTRAL-F F60-1.1/2.1/3.1



MISTRAL-F F60-2.2/3.2



MODEL CODE

MISTRAL-F - F 60 21 A 4D AC

MISTRAL-F	Flatbed dry cooler
-	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
60	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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MISTRAL-F F60

Flatbed dry coolers

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Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F60-1.1 A 4 D	29.5	5.6	68	15100	50	1	1.97	3.4	49	80	1"
MISTRAL-F F60-1.1 B 4 D	38.2	7.3	54	14600	50	1	1.97	3.4	73	90	1 1/4"
MISTRAL-F F60-1.1 C 4 D	45.1	8.6	73	14100	50	1	1.97	3.4	98	100	1 1/4"
MISTRAL-F F60-2.1 A 4 D	58.3	11.1	49	30250	52	2	3.94	6.8	98	155	1 1/2"
MISTRAL-F F60-2.1 B 4 D	73.7	14.1	26	29200	52	2	3.94	6.8	147	175	2"
MISTRAL-F F60-2.1 C 4 D	90.0	17.2	66	28250	52	2	3.94	6.8	196	190	2"
MISTRAL-F F60-3.1 A 4 D	87.4	16.7	45	45350	54	3	5.91	10.2	147	230	2"
MISTRAL-F F60-3.1 B 4 D	112.4	21.5	34	43800	54	3	5.91	10.2	220	255	2"
MISTRAL-F F60-3.1 C 4 D	134.7	25.7	63	42400	54	3	5.91	10.2	294	280	2 1/2"
MISTRAL-F F60-4.1 A 4 D	105.5	20.1	12	60450	55	4	7.88	13.6	196	305	2"
MISTRAL-F F60-4.1 B 4 D	156.3	29.8	81	58400	55	4	7.88	13.6	294	340	2 1/2"
MISTRAL-F F60-4.1 C 4 D	179.7	34.3	62	56500	55	4	7.88	13.6	392	370	2 1/2"
MISTRAL-F F60-2.2 A 4 D	114.7	21.9	36	60450	55	2 x 2	7.88	13.6	196	285	2x 1 1/2"
MISTRAL-F F60-2.2 B 4 D	148.0	28.3	28	58400	55	2 x 2	7.88	13.6	294	315	2x 2"
MISTRAL-F F60-2.2 C 4 D	179.9	34.3	66	56500	55	2 x 2	7.88	13.6	392	350	2x 2"
MISTRAL-F F60-3.2 A 4 D	174.9	33.4	45	90700	57	2 x 3	11.82	20.4	294	415	2x 2"
MISTRAL-F F60-3.2 B 4 D	224.7	42.9	34	87550	57	2 x 3	11.82	20.4	441	470	2x 2"
MISTRAL-F F60-3.2 C 4 D	269.4	51.4	63	84750	57	2 x 3	11.82	20.4	587	520	2x 2 1/2"
MISTRAL-F F60-4.2 A 4 D	211.0	40.3	12	120950	58	2 x 4	15.76	27.2	392	550	2x 2"
MISTRAL-F F60-4.2 B 4 D	312.5	59.6	81	116750	58	2 x 4	15.76	27.2	588	620	2x 2 1/2"
MISTRAL-F F60-4.2 C 4 D	359.5	68.6	62	113000	58	2 x 4	15.76	27.2	784	690	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F60-1.1 A 6 D	23.2	4.4	45	9800	39	1	0.60	1.2	49	80	1"
MISTRAL-F F60-1.1 B 6 D	29.8	5.7	70	9450	39	1	0.60	1.2	73	90	1 1/4"
MISTRAL-F F60-1.1 C 6 D	33.5	6.4	59	9150	39	1	0.60	1.2	98	100	1 1/4"
MISTRAL-F F60-2.1 A 6 D	47.8	9.1	73	19600	41	2	1.20	2.4	98	155	1 1/2"
MISTRAL-F F60-2.1 B 6 D	59.3	11.3	52	18950	41	2	1.20	2.4	147	175	2"
MISTRAL-F F60-2.1 C 6 D	67.4	12.9	62	18300	41	2	1.20	2.4	196	190	2"
MISTRAL-F F60-3.1 A 6 D	68.6	13.1	29	29450	43	3	1.80	3.6	147	230	2"
MISTRAL-F F60-3.1 B 6 D	88.7	16.9	47	28400	43	3	1.80	3.6	220	255	2"
MISTRAL-F F60-3.1 C 6 D	99.2	18.9	37	27450	43	3	1.80	3.6	294	280	2 1/2"
MISTRAL-F F60-2.2 A 6 D	95.6	18.3	73	39250	44	2 x 2	2.40	4.8	196	285	2x 1 1/2"
MISTRAL-F F60-2.2 B 6 D	118.6	22.6	52	37850	44	2 x 2	2.40	4.8	294	315	2x 2"
MISTRAL-F F60-2.2 C 6 D	134.7	25.7	62	36600	44	2 x 2	2.40	4.8	392	350	2x 2"
MISTRAL-F F60-3.2 A 6 D	137.2	26.2	29	58850	46	2 x 3	3.60	7.2	294	415	2x 2"
MISTRAL-F F60-3.2 B 6 D	177.8	33.9	51	56800	46	2 x 3	3.60	7.2	441	470	2x 2"
MISTRAL-F F60-3.2 C 6 D	198.4	37.9	37	54950	46	2 x 3	3.60	7.2	587	520	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F60-1.1 A 8 D	17.9	3.4	59	6150	32	1	0.24	0.6	49	80	1"
MISTRAL-F F60-1.1 B 8 D	21.6	4.1	40	5950	32	1	0.24	0.6	74	90	1 1/4"
MISTRAL-F F60-1.1 C 8 D	23.5	4.5	31	5800	32	1	0.24	0.6	98	100	1 1/4"
MISTRAL-F F60-2.1 A 8 D	36.3	6.9	61	12300	34	2	0.47	1.1	98	155	1 1/2"
MISTRAL-F F60-2.1 B 8 D	43.4	8.3	45	11900	34	2	0.47	1.1	147	175	2"
MISTRAL-F F60-2.1 C 8 D	47.1	9.0	32	11600	34	2	0.47	1.1	196	190	2"
MISTRAL-F F60-3.1 A 8 D	54.4	10.4	63	18450	36	3	0.71	1.7	147	230	2"
MISTRAL-F F60-3.1 B 8 D	63.9	12.2	27	17900	36	3	0.71	1.7	220	255	2"
MISTRAL-F F60-3.1 C 8 D	71.0	13.5	34	17400	36	3	0.71	1.7	294	280	2 1/2"
MISTRAL-F F60-2.2 A 8 D	73.0	13.9	72	24600	37	2 x 2	0.94	2.2	196	285	2x 1 1/2"
MISTRAL-F F60-2.2 B 8 D	87.2	16.7	51	23850	37	2 x 2	0.94	2.2	294	315	2x 2"
MISTRAL-F F60-2.2 C 8 D	94.5	18.0	33	23200	37	2 x 2	0.94	2.2	392	350	2x 2"
MISTRAL-F F60-3.2 A 8 D	107.3	20.5	42	36900	39	2 x 3	1.41	3.3	294	415	2x 2"
MISTRAL-F F60-3.2 B 8 D	128.2	24.5	28	35750	39	2 x 3	1.41	3.3	441	470	2x 2"
MISTRAL-F F60-3.2 C 8 D	142.0	27.1	34	34800	39	2 x 3	1.41	3.3	588	520	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F F60

Flatbed dry coolers

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Performance data

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F60-1.1 A 12 D	14.6	2.8	46	4450	25	1	0.11	0.3	49	80	1"
MISTRAL-F F60-1.1 B 12 D	16.6	3.2	25	4250	25	1	0.11	0.3	74	90	1 1/4"
MISTRAL-F F60-1.1 C 12 D	17.6	3.4	19	4100	25	1	0.11	0.3	98	100	1 1/4"
MISTRAL-F F60-2.1 A 12 D	29.1	5.6	41	8850	27	2	0.22	0.5	98	155	1 1/2"
MISTRAL-F F60-2.1 B 12 D	33.5	6.4	28	8500	27	2	0.22	0.5	147	175	2"
MISTRAL-F F60-2.1 C 12 D	35.4	6.8	20	8200	27	2	0.22	0.5	196	190	2"
MISTRAL-F F60-3.1 A 12 D	43.6	8.3	43	13300	29	3	0.33	0.8	147	230	2"
MISTRAL-F F60-3.1 B 12 D	50.3	9.6	30	12750	29	3	0.33	0.8	220	255	2"
MISTRAL-F F60-3.1 C 12 D	53.2	10.2	20	12300	29	3	0.33	0.8	294	280	2 1/2"
MISTRAL-F F60-2.2 A 12 D	58.5	11.2	49	17750	30	2 x 2	0.44	1.1	196	285	2x 1 1/2"
MISTRAL-F F60-2.2 B 12 D	67.2	12.8	32	16950	30	2 x 2	0.44	1.1	294	315	2x 2"
MISTRAL-F F60-2.2 C 12 D	70.9	13.5	20	16400	30	2 x 2	0.44	1.1	392	350	2x 2"
MISTRAL-F F60-3.2 A 12 D	86.0	16.4	29	26600	32	2 x 3	0.66	1.6	294	415	2x 2"
MISTRAL-F F60-3.2 B 12 D	100.6	19.2	30	25450	32	2 x 3	0.66	1.6	441	470	2x 2"
MISTRAL-F F60-3.2 C 12 D	106.4	20.3	20	24650	32	2 x 3	0.66	1.6	588	520	2x 2 1/2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F SF80

Flatbed dry coolers

www.kaltra.com

Ø 800 mm

FAN DIAMETER

32,2 ÷ 864,0 kW

CAPACITY @ DT 15K

1 ÷ 16

NUMBER OF FANS

MISTRAL-F SF80-1.1



MISTRAL-F SF80-2.1



MISTRAL-F SF80-3.1



MISTRAL-F SF80-4.1



MISTRAL-F SF80-5.1



MISTRAL-F SF80-2.2



MISTRAL-F SF80-3.2



MISTRAL-F SF80-4.2



MISTRAL-F SF80-5.2



MISTRAL-F SF80-6.2



MISTRAL-F SF80-7.2

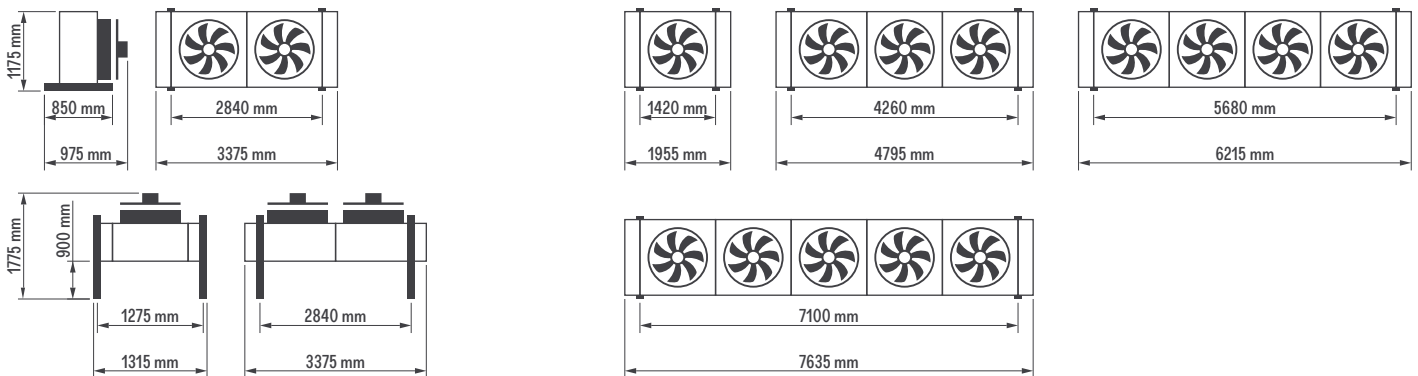


MISTRAL-F SF80-8.2

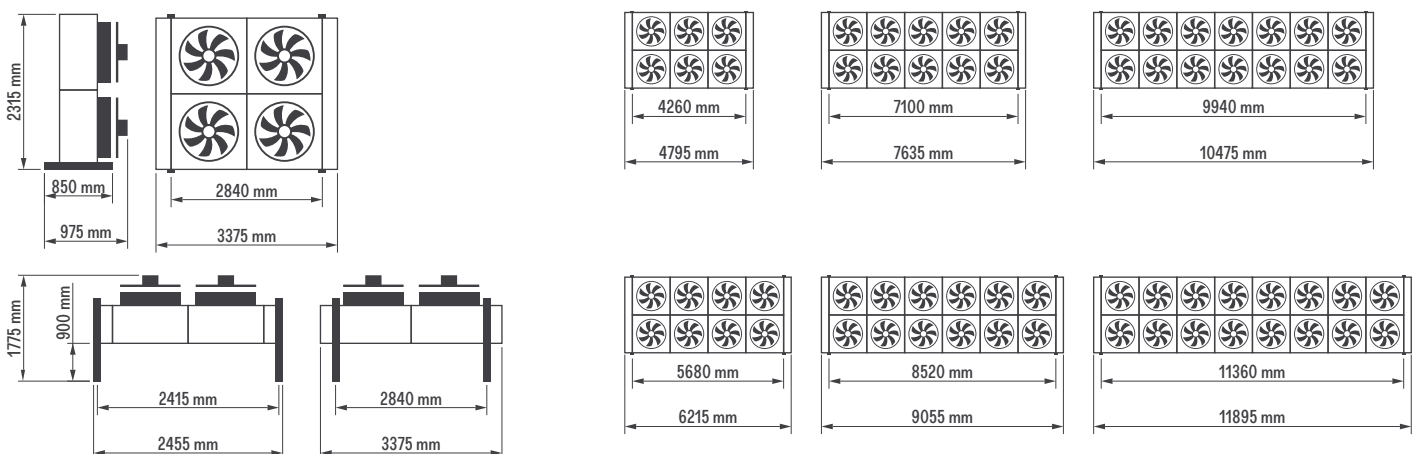


DIMENSIONS

MISTRAL-F SF80-1.1/2.1/3.1/4.1/5.1



MISTRAL-F SF80-2.2/3.2/4.2/5.2/6.2/7.2/8.2



MODEL CODE

MISTRAL-F S F 80 21 A 4D AC

MISTRAL-F	Flatbed dry cooler
S	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
80	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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MISTRAL-F SF80

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF80-1.1 B 6 D	47.5	9.1	29	17300	46	1	1.72	3.9	117	155	1" 1/2
MISTRAL-F SF80-1.1 C 6 D	55.2	10.5	53	16150	46	1	1.72	3.9	157	170	1" 1/2
MISTRAL-F SF80-2.1 B 6 D	93.9	17.9	21	34600	49	2	3.44	7.8	235	290	2"
MISTRAL-F SF80-2.1 C 6 D	110.3	21.0	48	32300	49	2	3.44	7.8	313	315	2"
MISTRAL-F SF80-3.1 B 6 D	149.8	28.6	70	51900	51	3	5.16	11.7	353	430	2" 1/2
MISTRAL-F SF80-3.1 C 6 D	166.1	31.7	51	48450	51	3	5.16	11.7	470	465	DN80
MISTRAL-F SF80-4.1 B 6 D	187.4	35.8	20	69200	52	4	6.88	15.6	470	565	DN80
MISTRAL-F SF80-4.1 C 6 D	208.1	39.7	14	64600	52	4	6.88	15.6	627	615	DN80
MISTRAL-F SF80-5.1 B 6 D	243.5	46.5	39	86500	53	5	8.60	19.5	588	700	DN100
MISTRAL-F SF80-5.1 C 6 D	270.3	51.6	28	80750	53	5	8.60	19.5	784	760	DN100
MISTRAL-F SF80-2.2 B 6 D	187.8	35.8	21	69200	52	2 x 2	6.88	15.6	470	555	2x 2"
MISTRAL-F SF80-2.2 C 6 D	220.9	42.2	48	64600	52	2 x 2	6.88	15.6	627	600	2x 2"
MISTRAL-F SF80-3.2 B 6 D	299.6	57.2	70	103800	54	2 x 3	10.32	23.4	705	815	2x 2" 1/2
MISTRAL-F SF80-3.2 C 6 D	332.2	63.4	51	96900	54	2 x 3	10.32	23.4	941	885	2x 3"
MISTRAL-F SF80-4.2 B 6 D	374.9	71.6	20	138350	55	2 x 4	13.76	31.2	941	1075	2x 3"
MISTRAL-F SF80-4.2 C 6 D	416.1	79.4	14	129150	55	2 x 4	13.76	31.2	1254	1170	2x 3"
MISTRAL-F SF80-5.2 B 6 D	487.0	92.9	39	172950	55	2 x 5	17.20	39.0	1176	1335	2x DN100
MISTRAL-F SF80-5.2 C 6 D	540.5	103.2	28	161450	55	2 x 5	17.20	39.0	1568	1455	2x DN100
MISTRAL-F SF80-6.2 B 6 D	598.8	114.3	68	207550	56	2 x 6	20.64	46.8	1411	1595	2x DN100
MISTRAL-F SF80-6.2 C 6 D	664.0	126.7	49	193750	56	2 x 6	20.64	46.8	1881	1740	2x DN100
MISTRAL-F SF80-7.2 B 6 D	683.3	130.4	33	229050	57	2 x 7	24.08	54.6	1564	1855	2x DN100
MISTRAL-F SF80-7.2 C 6 D	744.4	142.1	23	211300	57	2 x 7	24.08	54.6	2086	2025	2x DN100
MISTRAL-F SF80-8.2 B 6 D	793.7	151.5	49	261800	57	2 x 8	27.52	62.4	1788	2115	2x DN100
MISTRAL-F SF80-8.2 C 6 D	864.0	164.9	34	241500	57	2 x 8	27.52	62.4	2384	2310	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F SF80-1.1 A 8 D	32.2	6.2	28	13600	39	1	0.77	2.2	78	145	1" 1/2
MISTRAL-F SF80-1.1 B 8 D	40.7	7.8	48	12600	39	1	0.77	2.2	118	155	1" 1/2
MISTRAL-F SF80-1.1 C 8 D	44.6	8.5	56	11750	39	1	0.77	2.2	157	170	1" 1/2
MISTRAL-F SF80-2.1 A 8 D	63.8	12.2	22	27250	42	2	1.54	4.4	157	265	2"
MISTRAL-F SF80-2.1 B 8 D	81.3	15.5	44	25250	42	2	1.54	4.4	235	290	2"
MISTRAL-F SF80-2.1 C 8 D	87.8	16.8	32	23500	42	2	1.54	4.4	313	315	2"
MISTRAL-F SF80-3.1 A 8 D	102.0	19.5	73	40900	44	3	2.31	6.7	235	390	2" 1/2
MISTRAL-F SF80-3.1 B 8 D	122.6	23.4	49	37850	44	3	2.31	6.7	353	430	2" 1/2
MISTRAL-F SF80-3.1 C 8 D	132.3	25.2	34	35250	44	3	2.31	6.7	470	465	DN80
MISTRAL-F SF80-4.1 A 8 D	127.3	24.3	20	54500	45	4	3.08	8.9	314	515	DN80
MISTRAL-F SF80-4.1 B 8 D	153.4	29.3	14	50500	45	4	3.08	8.9	470	565	DN80
MISTRAL-F SF80-4.1 C 8 D	181.1	34.5	78	47000	45	4	3.08	8.9	627	615	DN80
MISTRAL-F SF80-5.1 A 8 D	165.6	31.6	41	68100	46	5	3.85	11.1	392	640	DN100
MISTRAL-F SF80-5.1 B 8 D	199.4	38.1	28	63100	46	5	3.85	11.1	588	700	DN100
MISTRAL-F SF80-5.1 C 8 D	215.3	41.1	19	58700	46	5	3.85	11.1	784	760	DN100
MISTRAL-F SF80-2.2 A 8 D	127.5	24.3	22	54500	45	2 x 2	3.08	8.9	314	505	2x 1 1/4"
MISTRAL-F SF80-2.2 B 8 D	162.6	31.0	44	50500	45	2 x 2	3.08	8.9	470	555	2x 2"
MISTRAL-F SF80-2.2 C 8 D	175.9	33.6	32	47000	45	2 x 2	3.08	8.9	627	600	2x 2"
MISTRAL-F SF80-3.2 A 8 D	203.8	38.9	73	81750	47	2 x 3	4.62	13.3	470	740	2x 2" 1/2
MISTRAL-F SF80-3.2 B 8 D	245.3	46.8	49	75750	47	2 x 3	4.62	13.3	705	815	2x 2" 1/2
MISTRAL-F SF80-3.2 C 8 D	264.6	50.5	34	70450	47	2 x 3	4.62	13.3	941	885	2x 3"
MISTRAL-F SF80-4.2 A 8 D	254.7	48.6	20	109000	48	2 x 4	6.16	17.8	627	975	2x 3"
MISTRAL-F SF80-4.2 B 8 D	306.7	58.5	14	101000	48	2 x 4	6.16	17.8	941	1075	2x 3"
MISTRAL-F SF80-4.2 C 8 D	362.3	69.1	78	93950	48	2 x 4	6.16	17.8	1254	1170	2x 3"
MISTRAL-F SF80-5.2 A 8 D	331.1	63.2	41	136250	48	2 x 5	7.70	22.2	784	1215	2x DN100
MISTRAL-F SF80-5.2 B 8 D	398.8	76.1	28	126250	48	2 x 5	7.70	22.2	1176	1335	2x DN100
MISTRAL-F SF80-5.2 C 8 D	430.6	82.2	19	117450	48	2 x 5	7.70	22.2	1568	1455	2x DN100
MISTRAL-F SF80-6.2 A 8 D	407.3	77.7	70	163500	49	2 x 6	9.24	26.6	941	1450	2x DN100
MISTRAL-F SF80-6.2 B 8 D	490.1	93.5	48	151500	49	2 x 6	9.24	26.6	1411	1595	2x DN100
MISTRAL-F SF80-6.2 C 8 D	528.9	100.9	33	140950	49	2 x 6	9.24	26.6	1881	1740	2x DN100
MISTRAL-F SF80-7.2 A 8 D	469.3	89.6	35	182900	50	2 x 7	10.78	31.1	1043	1685	2x DN100
MISTRAL-F SF80-7.2 B 8 D	552.8	105.5	23	166650	50	2 x 7	10.78	31.1	1564	1855	2x DN100
MISTRAL-F SF80-7.2 C 8 D	585.4	111.7	15	153100	50	2 x 7	10.78	31.1	2086	2025	2x DN100
MISTRAL-F SF80-8.2 A 8 D	545.3	104.1	51	209000	50	2 x 8	12.32	35.5	1192	1920	2x DN100
MISTRAL-F SF80-8.2 B 8 D	641.9	122.5	34	190450	50	2 x 8	12.32	35.5	1788	2115	2x DN100
MISTRAL-F SF80-8.2 C 8 D	679.4	129.6	22	174950	50	2 x 8	12.32	35.5	2384	2310	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F F80

Flatbed dry coolers

www.kaltra.com

Ø 800 mm

FAN DIAMETER

38,6 ÷ 782,9 kW

CAPACITY @ DT 15K

1 ÷ 12

NUMBER OF FANS

MISTRAL-F F80-1.1



MISTRAL-F F80-2.1



MISTRAL-F F80-3.1



MISTRAL-F F80-4.1



MISTRAL-F F80-5.1



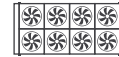
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MISTRAL-F F80-3.2



MISTRAL-F F80-4.2



MISTRAL-F F80-5.2

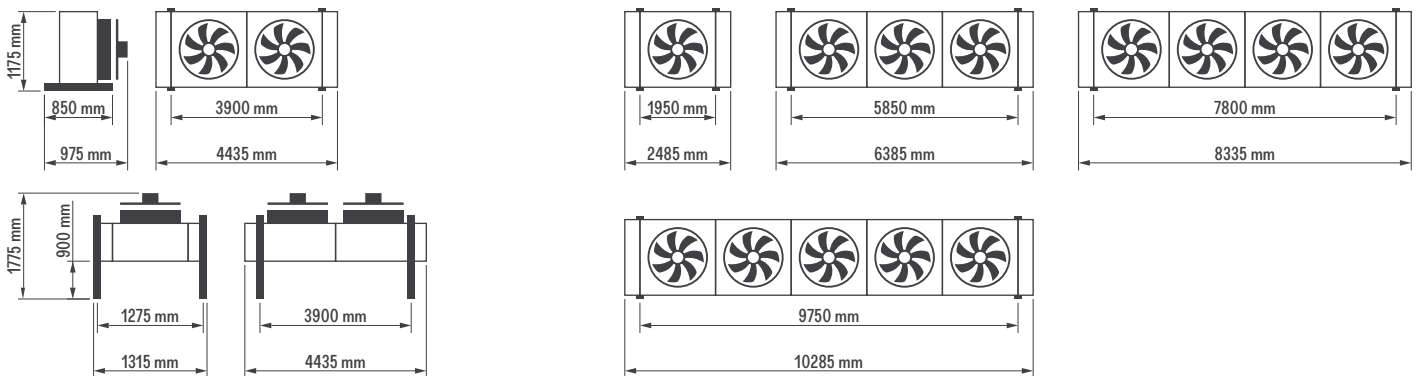


MISTRAL-F F80-6.2

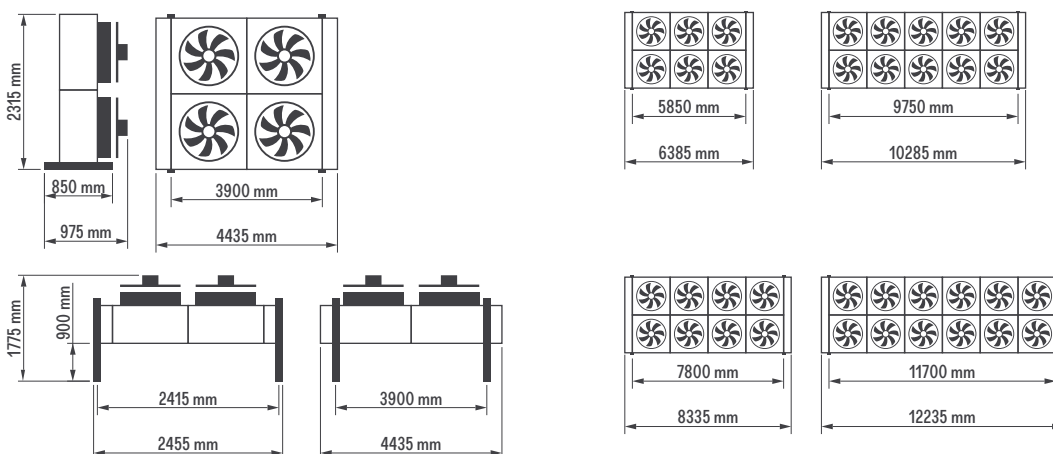


DIMENSIONS

MISTRAL-F F80-1.1/2.1/3.1/4.1/5.1



MISTRAL-F F80-2.2/3.2/4.2/5.2/6.2



MODEL CODE

MISTRAL-F - F 80 2.1 A 4D AC

MISTRAL-F	Flatbed dry cooler
-	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
80	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

The development of Kaltra products and services is continuous and the information in this document may not be up to date
Please check the current position with Kaltra

MISTRAL-F F80

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F80-1.1 B 6 D	59.2	11.3	47	19100	46	1	1.72	3.9	161	190	1" 1/2
MISTRAL-F F80-1.1 C 6 D	67.1	12.8	66	18200	46	1	1.72	3.9	215	205	2"
MISTRAL-F F80-2.1 B 6 D	118.4	22.6	43	38200	49	2	3.44	7.8	323	355	2"
MISTRAL-F F80-2.1 C 6 D	130.9	25.0	31	36400	49	2	3.44	7.8	431	390	DN80
MISTRAL-F F80-3.1 B 6 D	169.4	32.3	17	57350	51	3	5.16	11.7	484	525	DN80
MISTRAL-F F80-3.1 C 6 D	187.4	35.8	12	54550	51	3	5.16	11.7	646	575	DN100
MISTRAL-F F80-4.1 B 6 D	236.6	45.2	41	76450	52	4	6.88	15.6	646	690	DN100
MISTRAL-F F80-4.1 C 6 D	261.6	49.9	29	72750	52	4	6.88	15.6	861	760	DN100
MISTRAL-F F80-5.1 B 6 D	292.7	55.9	24	91800	52	5	8.60	19.5	767	860	DN100
MISTRAL-F F80-5.1 C 6 D	319.5	61.0	17	86700	52	5	8.60	19.5	1023	945	DN100
MISTRAL-F F80-2.2 B 6 D	236.8	45.2	43	76450	52	2 x 2	6.88	15.6	646	670	2 x 2"
MISTRAL-F F80-2.2 C 6 D	261.8	50.0	31	72750	52	2 x 2	6.88	15.6	861	740	2 x 3"
MISTRAL-F F80-3.2 B 6 D	338.8	64.7	17	114650	53	2 x 3	10.32	23.4	969	990	2 x 3"
MISTRAL-F F80-3.2 C 6 D	374.9	71.5	12	109100	53	2 x 3	10.32	23.4	1292	1090	2x DN100
MISTRAL-F F80-4.2 B 6 D	473.1	90.3	41	152900	54	2 x 4	13.76	31.2	1292	1310	2x DN100
MISTRAL-F F80-4.2 C 6 D	523.2	99.9	29	145600	54	2 x 4	13.76	31.2	1722	1445	2x DN100
MISTRAL-F F80-5.2 B 6 D	585.5	111.7	24	183600	55	2 x 5	17.20	39.0	1534	1630	2x DN100
MISTRAL-F F80-5.2 C 6 D	639.0	122.0	17	173400	55	2 x 5	17.20	39.0	2046	1800	2x DN100
MISTRAL-F F80-6.2 B 6 D	718.0	137.0	42	220300	56	2 x 6	20.64	46.8	1841	1950	2x DN100
MISTRAL-F F80-6.2 C 6 D	782.9	149.4	30	208050	56	2 x 6	20.64	46.8	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F80-1.1 A 8 D	38.6	7.4	23	14650	39	1	0.77	2.2	108	170	1" 1/2
MISTRAL-F F80-1.1 B 8 D	48.6	9.3	50	13900	39	1	0.77	2.2	161	190	1" 1/2
MISTRAL-F F80-1.1 C 8 D	53.0	10.1	43	13250	39	1	0.77	2.2	215	205	2"
MISTRAL-F F80-2.1 A 8 D	80.0	15.3	44	29300	42	2	1.54	4.4	215	320	2"
MISTRAL-F F80-2.1 B 8 D	95.6	18.2	29	27800	42	2	1.54	4.4	323	355	2"
MISTRAL-F F80-2.1 C 8 D	105.9	20.2	40	26550	42	2	1.54	4.4	430	390	DN80
MISTRAL-F F80-3.1 A 8 D	114.3	21.8	17	43950	44	3	2.31	6.7	323	475	DN80
MISTRAL-F F80-3.1 B 8 D	136.6	26.1	12	41700	44	3	2.31	6.7	484	525	DN80
MISTRAL-F F80-3.1 C 8 D	161.1	30.7	65	39800	44	3	2.31	6.7	646	575	DN100
MISTRAL-F F80-4.1 A 8 D	159.8	30.5	42	58600	45	4	3.08	8.9	431	625	DN100
MISTRAL-F F80-4.1 B 8 D	191.0	36.4	28	55600	45	4	3.08	8.9	646	690	DN100
MISTRAL-F F80-4.1 C 8 D	206.6	39.4	19	53100	45	4	3.08	8.9	861	760	DN100
MISTRAL-F F80-5.1 A 8 D	199.4	38.1	25	71200	45	5	3.85	11.1	512	775	DN100
MISTRAL-F F80-5.1 B 8 D	234.7	44.8	17	66900	45	5	3.85	11.1	767	860	DN100
MISTRAL-F F80-5.1 C 8 D	264.6	50.0	84	63200	45	5	3.85	11.1	1023	945	DN100
MISTRAL-F F80-2.2 A 8 D	160.0	30.5	44	58600	45	2 x 2	3.08	8.9	431	605	2 x 1 1/2"
MISTRAL-F F80-2.2 B 8 D	191.1	36.5	29	55600	45	2 x 2	3.08	8.9	646	670	2 x 2"
MISTRAL-F F80-2.2 C 8 D	212.0	40.4	41	53100	45	2 x 2	3.08	8.9	861	740	2 x 3"
MISTRAL-F F80-3.2 A 8 D	228.7	43.7	17	87850	46	2 x 3	4.62	13.3	646	890	2 x 3"
MISTRAL-F F80-3.2 B 8 D	273.3	52.2	12	83450	46	2 x 3	4.62	13.3	969	990	2 x 3"
MISTRAL-F F80-3.2 C 8 D	322.3	61.5	65	79650	46	2 x 3	4.62	13.3	1292	1090	2x DN100
MISTRAL-F F80-4.2 A 8 D	319.6	61.0	42	117150	47	2 x 4	6.16	17.8	861	1175	2x DN100
MISTRAL-F F80-4.2 B 8 D	382.0	72.9	28	111250	47	2 x 4	6.16	17.8	1292	1310	2x DN100
MISTRAL-F F80-4.2 C 8 D	413.1	78.8	19	106200	47	2 x 4	6.16	17.8	1722	1445	2x DN100
MISTRAL-F F80-5.2 A 8 D	398.8	76.1	25	142400	48	2 x 5	7.70	22.2	1023	1465	2x DN100
MISTRAL-F F80-5.2 B 8 D	469.4	89.6	17	133800	48	2 x 5	7.70	22.2	1534	1630	2x DN100
MISTRAL-F F80-5.2 C 8 D	529.2	100.0	84	126400	48	2 x 5	7.70	22.2	2046	1800	2x DN100
MISTRAL-F F80-6.2 A 8 D	489.5	93.5	44	170900	49	2 x 6	9.24	26.6	1228	1750	2x DN100
MISTRAL-F F80-6.2 B 8 D	575.5	109.8	28	160550	49	2 x 6	9.24	26.6	1841	1950	2x DN100
MISTRAL-F F80-6.2 C 8 D	613.0	116.9	19	151700	49	2 x 6	9.24	26.6	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F F90


Flatbed dry coolers

www.kaltra.com

Ø 900 mm
FAN DIAMETER

33,9 ÷ 1069,3 kW
CAPACITY @ DT 15K

1 ÷ 12
NUMBER OF FANS

MISTRAL-F F90-1.1


MISTRAL-F F90-2.1


MISTRAL-F F90-3.1


MISTRAL-F F90-4.1


MISTRAL-F F90-5.1


MISTRAL-F F90-2.2


MISTRAL-F F90-3.2

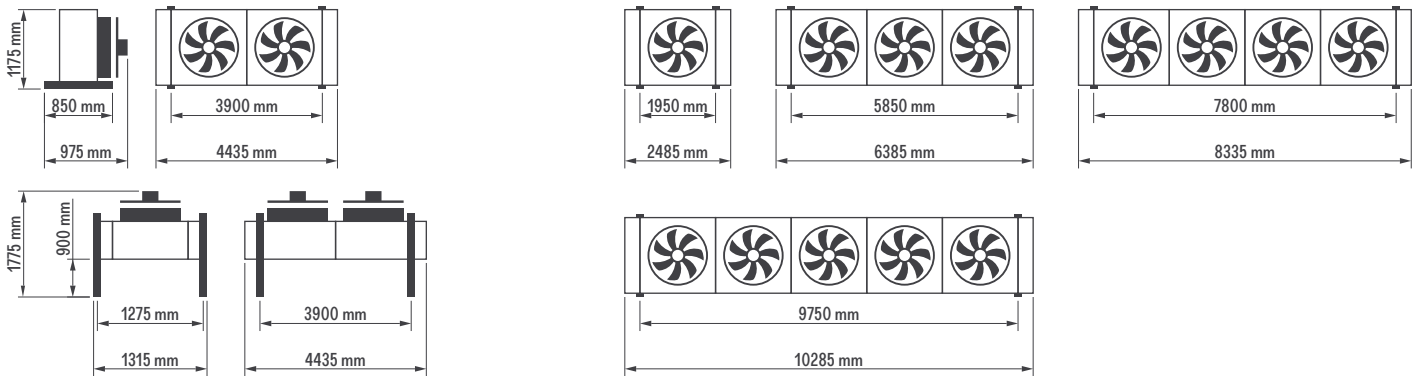

MISTRAL-F F90-4.2


MISTRAL-F F90-5.2

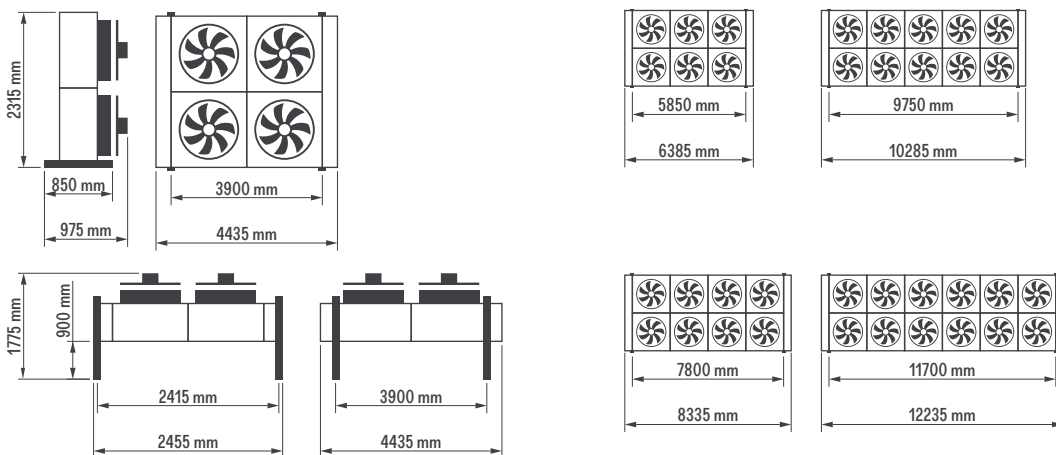

MISTRAL-F F90-6.2


DIMENSIONS

MISTRAL-F F90-1.1/2.1/3.1/4.1/5.1



MISTRAL-F F90-2.2/3.2/4.2/5.2/6.2



MODEL CODE

MISTRAL-F - F 90 21 A 4D AC

MISTRAL-F	Flatbed dry cooler
-	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
90	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-F F90

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F90-1.1 B 4 D	78.0	14.9	77	30050	60	1	4.60	7.8	161	190	1" 1/2
MISTRAL-F F90-1.1 C 4 D	86.3	16.5	31	28350	60	1	4.60	7.8	215	205	2"
MISTRAL-F F90-2.1 B 4 D	155.8	29.7	69	60100	63	2	9.20	15.6	323	355	2"
MISTRAL-F F90-2.1 C 4 D	177.3	33.8	52	56750	63	2	9.20	15.6	431	390	DN80
MISTRAL-F F90-3.1 B 4 D	223.1	42.6	28	90200	65	3	13.80	23.4	484	525	DN80
MISTRAL-F F90-3.1 C 4 D	253.9	48.5	21	85100	65	3	13.80	23.4	646	575	DN100
MISTRAL-F F90-4.1 B 4 D	311.4	59.4	66	120250	66	4	18.40	31.2	646	690	DN100
MISTRAL-F F90-4.1 C 4 D	354.2	67.6	50	113500	66	4	18.40	31.2	861	760	DN100
MISTRAL-F F90-5.1 B 4 D	389.1	74.3	40	143450	66	5	23.00	39.0	767	860	DN100
MISTRAL-F F90-5.1 C 4 D	436.1	83.2	30	134250	66	5	23.00	39.0	1023	945	DN100
MISTRAL-F F90-2.2 B 4 D	311.7	59.5	69	120250	66	2 x 2	18.40	31.2	646	670	2x 2"
MISTRAL-F F90-2.2 C 4 D	354.5	67.7	52	113500	66	2 x 2	18.40	31.2	861	740	2x 3"
MISTRAL-F F90-3.2 B 4 D	446.1	85.2	28	180350	67	2 x 3	27.60	46.8	969	990	2x 3"
MISTRAL-F F90-3.2 C 4 D	507.9	96.9	21	170250	67	2 x 3	27.60	46.8	1292	1090	2x DN100
MISTRAL-F F90-4.2 B 4 D	622.7	118.8	66	240500	68	2 x 4	36.80	62.4	1292	1310	2x DN100
MISTRAL-F F90-4.2 C 4 D	708.4	135.2	50	227000	68	2 x 4	36.80	62.4	1722	1445	2x DN100
MISTRAL-F F90-5.2 B 4 D	778.2	148.5	40	286900	69	2 x 5	46.00	78.0	1534	1630	2x DN100
MISTRAL-F F90-5.2 C 4 D	872.1	166.4	30	268500	69	2 x 5	46.00	78.0	2046	1800	2x DN100
MISTRAL-F F90-6.2 B 4 D	954.9	182.2	69	344300	70	2 x 6	55.20	93.6	1841	1950	2x DN100
MISTRAL-F F90-6.2 C 4 D	1069.3	204.0	51	322200	70	2 x 6	55.20	93.6	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F90-1 B 6 D	68.1	13.0	60	23900	52	1	2.26	5.2	161	190	1" 1/2
MISTRAL-F F90-1 C 6 D	73.7	14.1	24	22350	52	1	2.26	5.2	215	205	2"
MISTRAL-F F90-2 B 6 D	136.1	26.0	54	47800	55	2	4.52	10.3	323	355	2"
MISTRAL-F F90-2 C 6 D	151.3	28.9	39	44700	55	2	4.52	10.3	431	390	DN80
MISTRAL-F F90-3 B 6 D	194.9	37.2	22	71650	57	3	6.78	15.5	484	525	DN80
MISTRAL-F F90-3 C 6 D	216.7	41.4	16	67050	57	3	6.78	15.5	646	575	DN100
MISTRAL-F F90-4 B 6 D	272.0	51.9	52	95550	58	4	9.04	20.6	646	690	DN100
MISTRAL-F F90-4 C 6 D	302.3	57.7	38	89400	58	4	9.04	20.6	861	760	DN100
MISTRAL-F F90-5 B 6 D	335.9	64.1	31	113200	58	5	11.30	25.8	767	860	DN100
MISTRAL-F F90-5 C 6 D	366.6	70.0	22	104600	58	5	11.30	25.8	1023	945	DN100
MISTRAL-F F90-2.2 B 6 D	272.3	52.0	54	95550	58	2 x 2	9.04	20.6	646	670	2x 2"
MISTRAL-F F90-2.2 C 6 D	302.6	57.7	39	89400	58	2 x 2	9.04	20.6	861	740	2x 3"
MISTRAL-F F90-3.2 B 6 D	389.7	74.4	22	143350	59	2 x 3	13.56	30.9	969	990	2x 3"
MISTRAL-F F90-3.2 C 6 D	433.4	82.7	16	134050	59	2 x 3	13.56	30.9	1292	1090	2x DN100
MISTRAL-F F90-4.2 B 6 D	544.0	103.8	52	191100	60	2 x 4	18.08	41.2	1292	1310	2x DN100
MISTRAL-F F90-4.2 C 6 D	604.6	115.4	38	178750	60	2 x 4	18.08	41.2	1722	1445	2x DN100
MISTRAL-F F90-5.2 B 6 D	671.8	128.2	31	226450	61	2 x 5	22.60	51.5	1534	1630	2x DN100
MISTRAL-F F90-5.2 C 6 D	733.2	140.0	22	209200	61	2 x 5	22.60	51.5	2046	1800	2x DN100
MISTRAL-F F90-6.2 B 6 D	824.2	157.3	54	271750	62	2 x 6	27.12	61.8	1841	1950	2x DN100
MISTRAL-F F90-6.2 C 6 D	898.6	171.5	38	251050	62	2 x 6	27.12	61.8	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F F90

Flatbed dry coolers

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Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F90-1.1 A 8 D	42.4	8.1	27	17150	41	1	0.83	2.3	108	170	1" 1/2
MISTRAL-F F90-1.1 B 8 D	52.7	10.1	38	16000	41	1	0.83	2.3	161	190	1" 1/2
MISTRAL-F F90-1.1 C 8 D	58.3	11.1	51	15050	41	1	0.83	2.3	215	205	2"
MISTRAL-F F90-2.1 A 8 D	87.8	16.8	51	34300	44	2	1.66	4.5	215	320	2"
MISTRAL-F F90-2.1 B 8 D	105.3	20.1	35	32000	44	2	1.66	4.5	323	355	2"
MISTRAL-F F90-2.1 C 8 D	113.8	21.7	24	30100	44	2	1.66	4.5	431	390	DN80
MISTRAL-F F90-3.1 A 8 D	125.5	24.0	21	51450	46	3	2.49	6.8	323	475	DN80
MISTRAL-F F90-3.1 B 8 D	150.6	28.8	14	48050	46	3	2.49	6.8	484	525	DN80
MISTRAL-F F90-3.1 C 8 D	177.4	33.8	77	45150	46	3	2.49	6.8	646	575	DN100
MISTRAL-F F90-4.1 A 8 D	175.4	33.5	49	68600	47	4	3.32	9.1	431	625	DN100
MISTRAL-F F90-4.1 B 8 D	210.4	40.2	33	64050	47	4	3.32	9.1	646	690	DN100
MISTRAL-F F90-4.1 C 8 D	227.4	43.4	23	60150	47	4	3.32	9.1	861	760	DN100
MISTRAL-F F90-5.1 A 8 D	218.5	41.7	30	82600	47	5	4.15	11.4	512	775	DN100
MISTRAL-F F90-5.1 B 8 D	257.3	49.1	19	76100	47	5	4.15	11.4	767	860	DN100
MISTRAL-F F90-5.1 C 8 D	273.2	52.1	13	70650	47	5	4.15	11.4	1023	945	DN100
MISTRAL-F F90-2.2 A 8 D	175.6	33.5	51	68600	47	2 x 2	3.32	9.1	431	605	2x 1 1/2"
MISTRAL-F F90-2.2 B 8 D	210.6	40.2	35	64050	47	2 x 2	3.32	9.1	646	670	2x 2"
MISTRAL-F F90-2.2 C 8 D	227.6	43.4	24	60150	47	2 x 2	3.32	9.1	861	740	2x 3"
MISTRAL-F F90-3.2 A 8 D	251.1	47.9	21	102900	48	2 x 3	4.98	13.6	646	890	2x 3"
MISTRAL-F F90-3.2 B 8 D	301.3	57.5	14	96050	48	2 x 3	4.98	13.6	969	990	2x 3"
MISTRAL-F F90-3.2 C 8 D	325.5	62.1	10	90250	48	2 x 3	4.98	13.6	1292	1090	2x DN100
MISTRAL-F F90-4.2 A 8 D	350.8	67.0	49	137200	49	2 x 4	6.64	18.2	861	1175	2x DN100
MISTRAL-F F90-4.2 B 8 D	420.9	80.3	33	128100	49	2 x 4	6.64	18.2	1292	1310	2x DN100
MISTRAL-F F90-4.2 C 8 D	454.7	86.8	23	120350	49	2 x 4	6.64	18.2	1722	1445	2x DN100
MISTRAL-F F90-5.2 A 8 D	437.0	83.4	30	165200	50	2 x 5	8.30	22.7	1023	1465	2x DN100
MISTRAL-F F90-5.2 B 8 D	514.5	98.2	19	152200	50	2 x 5	8.30	22.7	1534	1630	2x DN100
MISTRAL-F F90-5.2 C 8 D	546.3	104.2	13	141300	50	2 x 5	8.30	22.7	2046	1800	2x DN100
MISTRAL-F F90-6.2 A 8 D	536.4	102.4	51	198250	51	2 x 6	9.96	27.2	1228	1750	2x DN100
MISTRAL-F F90-6.2 B 8 D	631.0	120.5	34	182600	51	2 x 6	9.96	27.2	1841	1950	2x DN100
MISTRAL-F F90-6.2 C 8 D	669.3	127.7	22	169550	51	2 x 6	9.96	27.2	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F90-1.1 A 12 D	33.9	6.5	56	10900	30	1	0.28	0.8	108	170	1" 1/2
MISTRAL-F F90-1.1 B 12 D	38.5	7.4	35	10050	30	1	0.28	0.8	161	190	1" 1/2
MISTRAL-F F90-2.1 A 12 D	66.4	12.7	31	21750	33	2	0.56	1.7	215	320	2"
MISTRAL-F F90-2.1 B 12 D	77.3	14.8	37	20100	33	2	0.56	1.7	323	355	2"
MISTRAL-F F90-3.1 A 12 D	94.8	18.1	13	32650	35	3	0.84	2.5	323	475	DN80
MISTRAL-F F90-3.1 B 12 D	117.8	22.5	62	30200	35	3	0.84	2.5	484	525	DN80
MISTRAL-F F90-4.1 A 12 D	132.7	25.3	30	43500	36	4	1.12	3.3	431	625	DN100
MISTRAL-F F90-4.1 B 12 D	150.8	28.8	18	40250	36	4	1.12	3.3	646	690	DN100
MISTRAL-F F90-5.1 A 12 D	162.7	31.1	18	52050	36	5	1.40	4.2	512	775	DN100
MISTRAL-F F90-5.1 B 12 D	192.3	36.7	80	47400	36	5	1.40	4.2	767	860	DN100
MISTRAL-F F90-2.2 A 12 D	132.8	25.4	31	43500	36	2 x 2	1.12	3.3	431	605	2x 1 1/2"
MISTRAL-F F90-2.2 B 12 D	154.6	29.5	37	40250	36	2 x 2	1.12	3.3	646	670	2x 2"
MISTRAL-F F90-3.2 A 12 D	189.6	36.2	13	65250	37	2 x 3	1.68	5.0	646	890	2x 3"
MISTRAL-F F90-3.2 B 12 D	235.6	44.9	62	60350	37	2 x 3	1.68	5.0	969	990	2x 3"
MISTRAL-F F90-4.2 A 12 D	265.4	50.7	30	87050	38	2 x 4	2.24	6.6	861	1175	2x DN100
MISTRAL-F F90-4.2 B 12 D	301.6	57.5	18	80450	38	2 x 4	2.24	6.6	1292	1310	2x DN100
MISTRAL-F F90-5.2 A 12 D	325.5	62.1	18	104150	39	2 x 5	2.80	8.3	1023	1465	2x DN100
MISTRAL-F F90-5.2 B 12 D	384.7	73.4	80	94850	39	2 x 5	2.80	8.3	1534	1630	2x DN100
MISTRAL-F F90-6.2 A 12 D	399.4	76.2	31	124950	40	2 x 6	3.36	10.0	1228	1750	2x DN100
MISTRAL-F F90-6.2 B 12 D	444.2	84.7	18	113800	40	2 x 6	3.36	10.0	1841	1950	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F LF90

Flatbed dry coolers

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Ø 900 mm

FAN DIAMETER

36,5 ÷ 990,6 kW

CAPACITY @ DT 15K

1 ÷ 10

NUMBER OF FANS

MISTRAL-F LF90-1.1



MISTRAL-F LF90-2.1



MISTRAL-F LF90-3.1



MISTRAL-F LF90-4.1



MISTRAL-F LF90-5.1



MISTRAL-F LF90-2.2



MISTRAL-F LF90-3.2



MISTRAL-F LF90-4.2

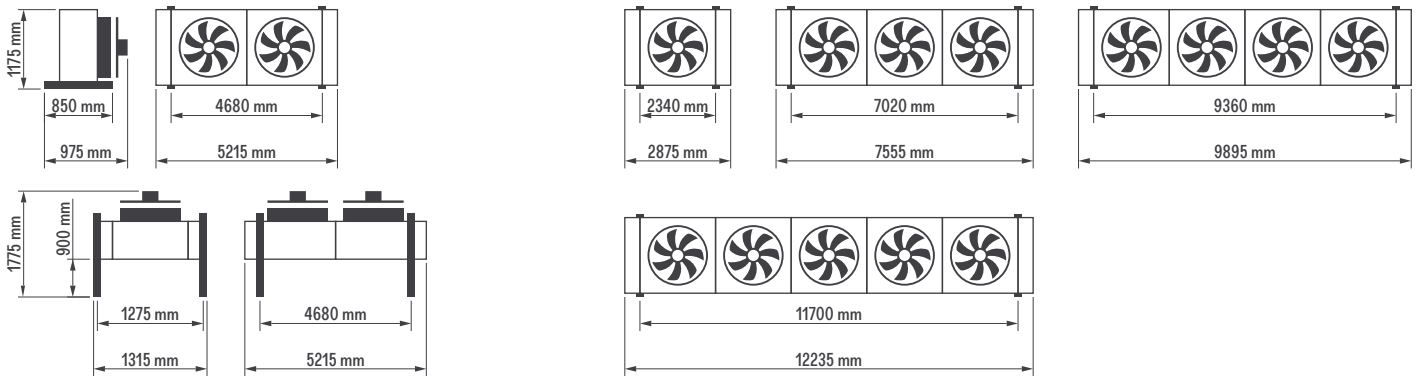


MISTRAL-F LF90-5.2

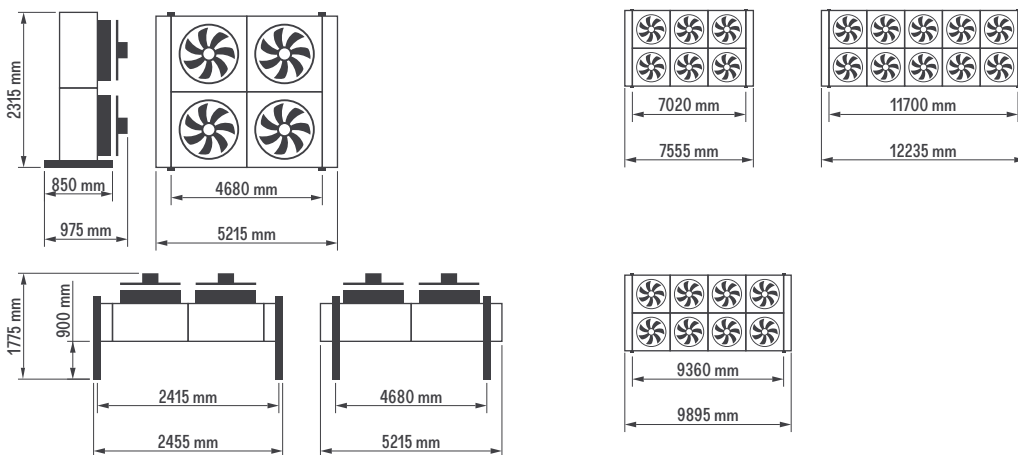


DIMENSIONS

MISTRAL-F LF90-1.1/2.1/3.1/4.1/5.1



MISTRAL-F LF90-2.2/3.2/4.2/5.2



MODEL CODE

MISTRAL-F L F 90 21 A 4D AC

MISTRAL-F	Flatbed dry cooler		
L	S = short coil height	[not present] = Standard coil height	L = Increased coil height
F	F = Flatbed dry cooler		
90	Fan diameter in dm		

2.1	Number of fans per row * number of fan rows	
A	A/B/C = Heat exchanger type	
4D	Motor poles and motor type (D/V/S)	
AC	AC = AC-driven fans	EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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MISTRAL-F LF90

Flatbed dry coolers

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Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F LF90-1.1 B 4 D	84.1	16.0	34	31600	60	1	4.60	7.8	194	210	2"
MISTRAL-F LF90-1.1 C 4 D	95.2	18.2	25	30200	60	1	4.60	7.8	258	230	2"
MISTRAL-F LF90-2.1 B 4 D	157.1	30.0	12	63200	63	2	9.20	15.6	388	400	2" 1/2
MISTRAL-F LF90-2.1 C 4 D	200.7	38.3	77	60350	63	2	9.20	15.6	517	440	DN80
MISTRAL-F LF90-3.1 B 4 D	255.7	48.8	42	94850	65	3	13.80	23.4	581	595	DN100
MISTRAL-F LF90-3.1 C 4 D	290.4	55.4	32	90550	65	3	13.80	23.4	775	655	DN100
MISTRAL-F LF90-4.1 B 4 D	344.5	65.7	31	121750	66	4	18.40	31.2	737	785	DN100
MISTRAL-F LF90-4.1 C 4 D	385.7	73.6	23	115250	66	4	18.40	31.2	982	865	DN100
MISTRAL-F LF90-5.1 B 4 D	442.8	84.5	61	152200	66	5	23.00	39.0	921	975	DN100
MISTRAL-F LF90-5.1 C 4 D	495.3	94.6	45	144100	66	5	23.00	39.0	1228	1075	DN100
MISTRAL-F LF90-2.2 B 4 D	314.1	60.0	12	126450	66	2 x 2	18.40	31.2	775	760	2" 1/2
MISTRAL-F LF90-2.2 C 4 D	401.4	76.6	77	120700	66	2 x 2	18.40	31.2	1033	840	DN80
MISTRAL-F LF90-3.2 B 4 D	511.5	97.6	42	189650	67	2 x 3	27.60	46.8	1162	1125	DN100
MISTRAL-F LF90-3.2 C 4 D	580.8	110.9	32	181050	67	2 x 3	27.60	46.8	1550	1245	DN100
MISTRAL-F LF90-4.2 B 4 D	688.9	131.5	31	243550	68	2 x 4	36.80	62.4	1473	1485	DN100
MISTRAL-F LF90-4.2 C 4 D	771.4	147.2	23	230550	68	2 x 4	36.80	62.4	1964	1645	DN100
MISTRAL-F LF90-5.2 B 4 D	885.5	169.0	61	304400	69	2 x 5	46.00	78.0	1841	1850	DN100
MISTRAL-F LF90-5.2 C 4 D	990.6	189.1	45	288150	69	2 x 5	46.00	78.0	2455	2050	DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F LF90-1.1 B 6 D	73.4	14.0	27	25300	52	1	2.26	5.2	194	210	2"
MISTRAL-F LF90-1.1 C 6 D	84.9	16.2	46	24000	52	1	2.26	5.2	258	230	2"
MISTRAL-F LF90-2.1 B 6 D	154.4	29.5	81	50600	55	2	4.52	10.3	388	400	2" 1/2
MISTRAL-F LF90-2.1 C 6 D	171.5	32.7	59	47950	55	2	4.52	10.3	517	440	DN80
MISTRAL-F LF90-3.1 B 6 D	223.3	42.6	33	75900	57	3	6.78	15.5	581	595	DN100
MISTRAL-F LF90-3.1 C 6 D	248.2	47.4	24	71950	57	3	6.78	15.5	775	655	DN100
MISTRAL-F LF90-4.1 B 6 D	297.7	56.8	24	96900	58	4	9.04	20.6	737	785	DN100
MISTRAL-F LF90-4.1 C 6 D	325.9	62.2	17	91000	58	4	9.04	20.6	982	865	DN100
MISTRAL-F LF90-5.1 B 6 D	382.5	73.0	47	121150	58	5	11.30	25.8	921	975	DN100
MISTRAL-F LF90-5.1 C 6 D	418.3	79.8	33	113750	58	5	11.30	25.8	1228	1075	DN100
MISTRAL-F LF90-2.2 B 6 D	308.9	59.0	81	101200	58	2 x 2	9.04	20.6	775	760	2" 1/2
MISTRAL-F LF90-2.2 C 6 D	343.0	65.5	59	95950	58	2 x 2	9.04	20.6	1033	840	DN80
MISTRAL-F LF90-3.2 B 6 D	446.6	85.2	33	151800	59	2 x 3	13.56	30.9	1162	1125	DN100
MISTRAL-F LF90-3.2 C 6 D	496.4	94.7	24	143900	59	2 x 3	13.56	30.9	1550	1245	DN100
MISTRAL-F LF90-4.2 B 6 D	595.4	113.7	24	193850	60	2 x 4	18.08	41.2	1473	1485	DN100
MISTRAL-F LF90-4.2 C 6 D	651.9	124.4	17	182050	60	2 x 4	18.08	41.2	1964	1645	DN100
MISTRAL-F LF90-5.2 B 6 D	765.0	146.0	47	242300	61	2 x 5	22.60	51.5	1841	1850	DN100
MISTRAL-F LF90-5.2 C 6 D	836.6	159.7	33	227550	61	2 x 5	22.60	51.5	2455	2050	DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F LF90

Flatbed dry coolers

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Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F LF90-1.1 A 8 D	46.9	9.0	24	17850	41	1	0.83	2.3	129	190	2"
MISTRAL-F LF90-1.1 B 8 D	59.1	11.3	56	16900	41	1	0.83	2.3	194	210	2"
MISTRAL-F LF90-1.1 C 8 D	63.1	12.0	27	16050	41	1	0.83	2.3	258	230	2"
MISTRAL-F LF90-2.1 A 8 D	99.0	18.9	76	35700	44	2	1.66	4.5	258	360	2" 1/2
MISTRAL-F LF90-2.1 B 8 D	118.2	22.6	51	33800	44	2	1.66	4.5	388	400	2" 1/2
MISTRAL-F LF90-2.1 C 8 D	127.4	24.3	35	32100	44	2	1.66	4.5	517	440	DN80
MISTRAL-F LF90-3.1 A 8 D	143.0	27.3	31	53550	46	3	2.49	6.8	388	535	DN100
MISTRAL-F LF90-3.1 B 8 D	170.9	32.6	21	50700	46	3	2.49	6.8	581	595	DN100
MISTRAL-F LF90-3.1 C 8 D	184.4	35.2	14	48200	46	3	2.49	6.8	775	655	DN100
MISTRAL-F LF90-4.1 A 8 D	192.0	36.6	23	69300	47	4	3.32	9.1	491	705	DN100
MISTRAL-F LF90-4.1 B 8 D	225.9	43.1	15	64950	47	4	3.32	9.1	737	785	DN100
MISTRAL-F LF90-4.1 C 8 D	255.5	48.7	77	61150	47	4	3.32	9.1	982	865	DN100
MISTRAL-F LF90-5.1 A 8 D	246.9	47.1	44	86650	47	5	4.15	11.4	614	875	DN100
MISTRAL-F LF90-5.1 B 8 D	290.1	55.4	29	81200	47	5	4.15	11.4	921	975	DN100
MISTRAL-F LF90-5.1 C 8 D	308.4	58.8	19	76450	47	5	4.15	11.4	1228	1075	DN100
MISTRAL-F LF90-2.2 A 8 D	198.0	37.8	76	71400	47	2 x 2	3.32	9.1	517	680	2" 1/2
MISTRAL-F LF90-2.2 B 8 D	236.4	45.1	51	67600	47	2 x 2	3.32	9.1	775	760	2" 1/2
MISTRAL-F LF90-2.2 C 8 D	254.8	48.6	35	64250	47	2 x 2	3.32	9.1	1033	840	DN80
MISTRAL-F LF90-3.2 A 8 D	286.1	54.6	31	107150	48	2 x 3	4.98	13.6	775	1000	DN100
MISTRAL-F LF90-3.2 B 8 D	341.8	65.2	21	101450	48	2 x 3	4.98	13.6	1162	1125	DN100
MISTRAL-F LF90-3.2 C 8 D	368.8	70.3	14	96400	48	2 x 3	4.98	13.6	1550	1245	DN100
MISTRAL-F LF90-4.2 A 8 D	384.0	73.3	23	138600	49	2 x 4	6.64	18.2	982	1325	DN100
MISTRAL-F LF90-4.2 B 8 D	451.7	86.2	15	129900	49	2 x 4	6.64	18.2	1473	1485	DN100
MISTRAL-F LF90-4.2 C 8 D	510.9	97.5	77	122300	49	2 x 4	6.64	18.2	1964	1645	DN100
MISTRAL-F LF90-5.2 A 8 D	493.8	94.3	44	173300	50	2 x 5	8.30	22.7	1228	1650	DN100
MISTRAL-F LF90-5.2 B 8 D	580.2	110.7	29	162400	50	2 x 5	8.30	22.7	1841	1850	DN100
MISTRAL-F LF90-5.2 C 8 D	616.8	117.6	19	152900	50	2 x 5	8.30	22.7	2455	2050	DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F LF90-1.1 A 12 D	36.5	7.0	31	11350	30	1	0.28	0.8	129	190	2"
MISTRAL-F LF90-1.1 B 12 D	42.9	8.2	61	10700	30	1	0.28	0.8	193	210	2"
MISTRAL-F LF90-1.1 C 12 D	44.7	8.5	46	10100	30	1	0.28	0.8	258	230	2"
MISTRAL-F LF90-2.1 A 12 D	74.2	14.2	46	22700	33	2	0.56	1.7	258	360	2" 1/2
MISTRAL-F LF90-2.1 B 12 D	84.2	16.1	28	21400	33	2	0.56	1.7	388	400	2" 1/2
MISTRAL-F LF90-2.1 C 12 D	89.8	17.1	53	20250	33	2	0.56	1.7	516	440	DN80
MISTRAL-F LF90-3.1 A 12 D	107.2	20.5	19	34050	35	3	0.84	2.5	388	535	DN100
MISTRAL-F LF90-3.1 B 12 D	130.3	24.9	89	32050	35	3	0.84	2.5	581	595	DN100
MISTRAL-F LF90-3.1 C 12 D	134.9	25.7	57	30350	35	3	0.84	2.5	775	655	DN100
MISTRAL-F LF90-4.1 A 12 D	142.2	27.1	13	43950	36	4	1.12	3.3	491	705	DN100
MISTRAL-F LF90-4.1 B 12 D	169.2	32.3	62	40900	36	4	1.12	3.3	737	785	DN100
MISTRAL-F LF90-4.1 C 12 D	172.1	32.8	38	38150	36	4	1.12	3.3	982	865	DN100
MISTRAL-F LF90-5.1 A 12 D	182.9	34.9	26	54950	36	5	1.40	4.2	614	875	DN100
MISTRAL-F LF90-5.1 B 12 D	204.1	38.9	16	51100	36	5	1.40	4.2	921	975	DN100
MISTRAL-F LF90-5.1 C 12 D	217.1	41.4	72	47700	36	5	1.40	4.2	1228	1075	DN100
MISTRAL-F LF90-2.2 A 12 D	148.4	28.3	46	45400	36	2 x 2	1.12	3.3	517	680	2" 1/2
MISTRAL-F LF90-2.2 B 12 D	168.4	32.1	28	42750	36	2 x 2	1.12	3.3	775	760	2" 1/2
MISTRAL-F LF90-2.2 C 12 D	179.6	34.3	54	40450	36	2 x 2	1.12	3.3	1033	840	DN80
MISTRAL-F LF90-3.2 A 12 D	214.3	40.9	19	68050	37	2 x 3	1.68	5.0	775	1000	DN100
MISTRAL-F LF90-3.2 B 12 D	260.6	49.7	89	64100	37	2 x 3	1.68	5.0	1162	1125	DN100
MISTRAL-F LF90-3.2 C 12 D	269.8	51.5	57	60700	37	2 x 3	1.68	5.0	155	1245	DN100
MISTRAL-F LF90-4.2 A 12 D	284.4	54.3	13	87900	38	2 x 4	2.24	6.6	982	1325	DN100
MISTRAL-F LF90-4.2 B 12 D	338.5	64.6	62	81800	38	2 x 4	2.24	6.6	1473	1485	DN100
MISTRAL-F LF90-4.2 C 12 D	344.2	65.7	38	76300	38	2 x 4	2.24	6.6	1964	1645	DN100
MISTRAL-F LF90-5.2 A 12 D	365.7	69.8	26	109900	39	2 x 5	2.80	8.3	1228	1650	DN100
MISTRAL-F LF90-5.2 B 12 D	408.1	77.8	16	102250	39	2 x 5	2.80	8.3	1841	1850	DN100
MISTRAL-F LF90-5.2 C 12 D	434.2	82.8	72	95400	39	2 x 5	2.80	8.3	2455	2050	DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F F100

Flatbed dry coolers

www.kaltra.com

Ø 1000 mm
FAN DIAMETER

44,1 ÷ 951,3 kW
CAPACITY @ DT 15K

1 ÷ 12
NUMBER OF FANS

MISTRAL-F F100-1.1



MISTRAL-F F100-2.1



MISTRAL-F F100-3.1



MISTRAL-F F100-4.1



MISTRAL-F F100-5.1



MISTRAL-F F100-2.2



MISTRAL-F F100-3.2



MISTRAL-F F100-4.2



MISTRAL-F F100-5.2

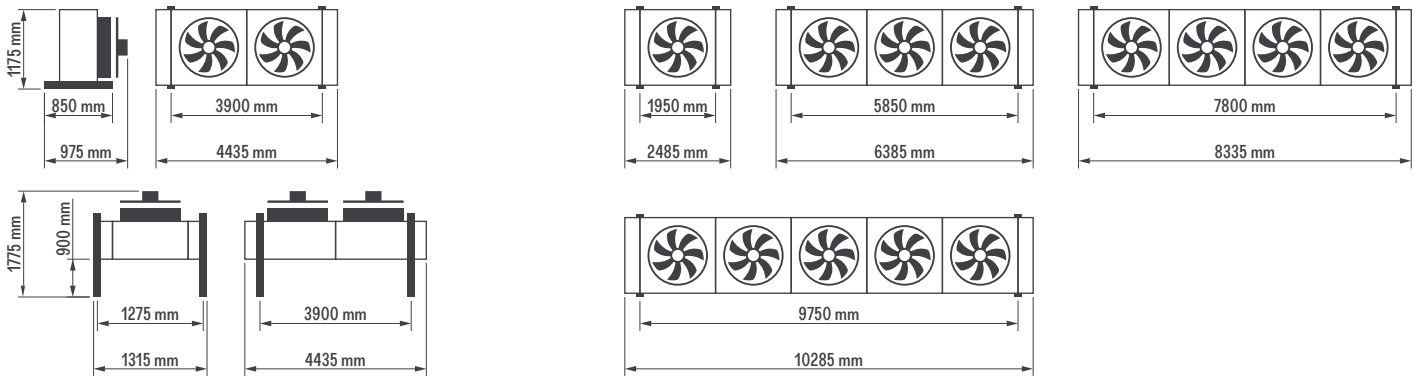


MISTRAL-F F100-6.2

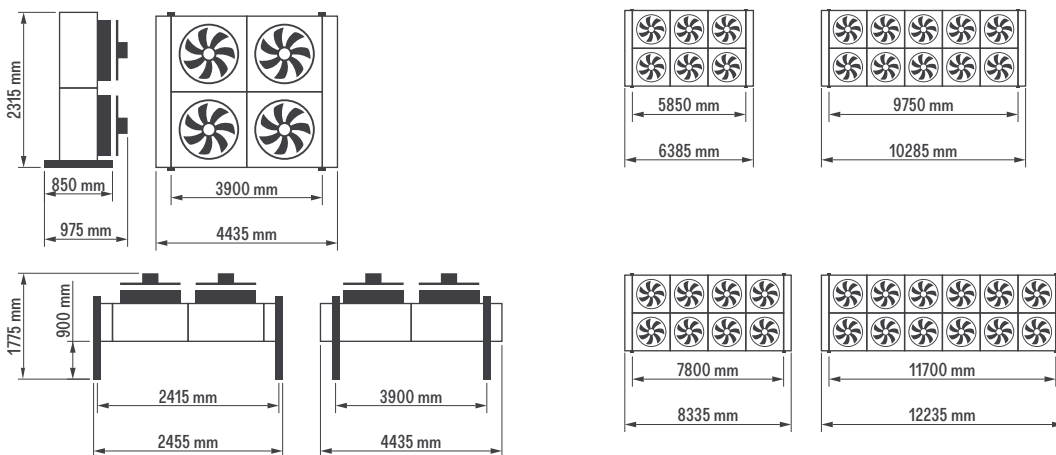


DIMENSIONS

MISTRAL-F F100-1.1/2.1/3.1/4.1/5.1



MISTRAL-F F100-2.2/3.2/4.2/5.2/6.2



MODEL CODE

MISTRAL-F - F 100 2.1 A 4D AC

MISTRAL-F	Flatbed dry cooler
-	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
100	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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Please check the current position with Kaltra

MISTRAL-F F100

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F100-1.1 B 6 D	71.8	13.7	66	26050	53	1	2.48	5.6	161	190	1" 1/2
MISTRAL-F F100-1.1 C 6 D	78.0	14.9	26	24300	53	1	2.48	5.6	215	205	2"
MISTRAL-F F100-2.1 B 6 D	143.4	27.4	60	52100	56	2	4.96	11.3	323	355	2"
MISTRAL-F F100-2.1 C 6 D	160.0	30.5	44	48550	56	2	4.96	11.3	431	390	DN80
MISTRAL-F F100-3.1 B 6 D	205.3	39.2	24	78200	58	3	7.44	16.9	484	525	DN80
MISTRAL-F F100-3.1 C 6 D	229.2	43.8	17	72850	58	3	7.44	16.9	646	575	DN100
MISTRAL-F F100-4.1 B 6 D	286.6	54.7	57	104250	59	4	9.92	22.5	646	690	DN100
MISTRAL-F F100-4.1 C 6 D	319.8	61.0	42	97100	59	4	9.92	22.5	861	760	DN100
MISTRAL-F F100-5.1 B 6 D	354.0	67.6	34	123000	59	5	12.40	28.2	767	860	DN100
MISTRAL-F F100-5.1 C 6 D	388.0	74.0	24	113350	59	5	12.40	28.2	1023	945	DN100
MISTRAL-F F100-2.2 B 6 D	286.8	54.7	60	104250	59	2 x 2	9.92	22.5	646	670	2x 2"
MISTRAL-F F100-2.2 C 6 D	320.1	61.1	44	97100	59	2 x 2	9.92	22.5	861	740	2x 3"
MISTRAL-F F100-3.2 B 6 D	410.6	78.4	24	156350	60	2 x 3	14.88	33.8	969	990	2x 3"
MISTRAL-F F100-3.2 C 6 D	458.5	87.5	17	145650	60	2 x 3	14.88	33.8	1292	1090	2x DN100
MISTRAL-F F100-4.2 B 6 D	573.2	109.4	57	208500	61	2 x 4	19.84	45.0	1292	1310	2x DN100
MISTRAL-F F100-4.2 C 6 D	639.6	122.1	42	194200	61	2 x 4	19.84	45.0	1722	1445	2x DN100
MISTRAL-F F100-5.2 B 6 D	708.0	135.1	34	246000	62	2 x 5	24.80	56.3	1534	1630	2x DN100
MISTRAL-F F100-5.2 C 6 D	776.0	148.1	24	226650	62	2 x 5	24.80	56.3	2046	1800	2x DN100
MISTRAL-F F100-6.2 B 6 D	868.7	165.8	59	295200	63	2 x 6	29.76	67.6	1841	1950	2x DN100
MISTRAL-F F100-6.2 C 6 D	951.3	181.6	42	272000	63	2 x 6	29.76	67.6	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F F100-1.1 A 8 D	44.1	8.4	29	18350	46	1	0.96	2.3	108	170	1" 1/2
MISTRAL-F F100-1.1 B 8 D	54.9	10.5	41	17000	46	1	0.96	2.3	161	190	1" 1/2
MISTRAL-F F100-1.1 C 8 D	60.9	11.6	55	15900	46	1	0.96	2.3	215	205	2"
MISTRAL-F F100-2.1 A 8 D	91.2	17.4	55	36700	49	2	1.92	4.6	215	320	2"
MISTRAL-F F100-2.1 B 8 D	109.7	20.9	37	34000	49	2	1.92	4.6	323	355	2"
MISTRAL-F F100-2.1 C 8 D	118.7	22.6	26	31850	49	2	1.92	4.6	431	390	DN80
MISTRAL-F F100-3.1 A 8 D	130.5	24.9	22	55050	51	3	2.88	6.8	323	475	DN80
MISTRAL-F F100-3.1 B 8 D	156.9	29.9	15	51000	51	3	2.88	6.8	484	525	DN80
MISTRAL-F F100-3.1 C 8 D	185.1	35.3	83	47750	51	3	2.88	6.8	646	575	DN100
MISTRAL-F F100-4.1 A 8 D	182.3	34.8	53	73400	52	4	3.84	9.1	431	625	DN100
MISTRAL-F F100-4.1 B 8 D	219.1	41.8	36	68050	52	4	3.84	9.1	646	690	DN100
MISTRAL-F F100-4.1 C 8 D	237.2	45.3	25	63650	52	4	3.84	9.1	861	760	DN100
MISTRAL-F F100-5.1 A 8 D	227.0	43.3	32	88050	52	5	4.80	11.4	512	775	DN100
MISTRAL-F F100-5.1 B 8 D	267.7	51.1	21	80550	52	5	4.80	11.4	767	860	DN100
MISTRAL-F F100-5.1 C 8 D	284.7	54.3	14	74500	52	5	4.80	11.4	1023	945	DN100
MISTRAL-F F100-2.2 A 8 D	182.5	34.8	55	73400	52	2 x 2	3.84	9.1	431	605	2x 1 1/2"
MISTRAL-F F100-2.2 B 8 D	219.3	41.9	37	68050	52	2 x 2	3.84	9.1	646	670	2x 2"
MISTRAL-F F100-2.2 C 8 D	237.4	45.3	26	63650	52	2 x 2	3.84	9.1	861	740	2x 3"
MISTRAL-F F100-3.2 A 8 D	260.9	49.8	22	110050	53	2 x 3	5.76	13.7	646	890	2x 3"
MISTRAL-F F100-3.2 B 8 D	313.8	59.9	15	102050	53	2 x 3	5.76	13.7	969	990	2x 3"
MISTRAL-F F100-3.2 C 8 D	370.3	70.6	83	95500	53	2 x 3	5.76	13.7	1292	1090	2x DN100
MISTRAL-F F100-4.2 A 8 D	364.6	69.6	53	146750	54	2 x 4	7.68	18.2	861	1175	2x DN100
MISTRAL-F F100-4.2 B 8 D	438.3	83.7	36	136050	54	2 x 4	7.68	18.2	1292	1310	2x DN100
MISTRAL-F F100-4.2 C 8 D	474.4	90.5	25	127350	54	2 x 4	7.68	18.2	1722	1445	2x DN100
MISTRAL-F F100-5.2 A 8 D	454.0	86.7	32	176050	55	2 x 5	9.60	22.8	1023	1465	2x DN100
MISTRAL-F F100-5.2 B 8 D	535.4	102.2	21	161100	55	2 x 5	9.60	22.8	1534	1630	2x DN100
MISTRAL-F F100-5.2 C 8 D	568.3	108.6	14	149000	55	2 x 5	9.60	22.8	2046	1800	2x DN100
MISTRAL-F F100-6.2 A 8 D	557.3	106.3	55	211250	56	2 x 6	11.52	27.4	1228	1750	2x DN100
MISTRAL-F F100-6.2 B 8 D	656.6	125.3	36	193350	56	2 x 6	11.52	27.4	1841	1950	2x DN100
MISTRAL-F F100-6.2 C 8 D	697.5	133.0	24	178800	56	2 x 6	11.52	27.4	2455	2150	2x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F LF100


Flatbed dry coolers

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Ø 1000 mm
FAN DIAMETER

48,9 ÷ 889,1 kW
CAPACITY @ DT 15K

1 ÷ 10
NUMBER OF FANS

MISTRAL-F LF100-1.1



MISTRAL-F LF100-2.1


MISTRAL-F LF100-3.1


MISTRAL-F LF100-4.1


MISTRAL-F LF100-5.1


MISTRAL-F LF100-2.2

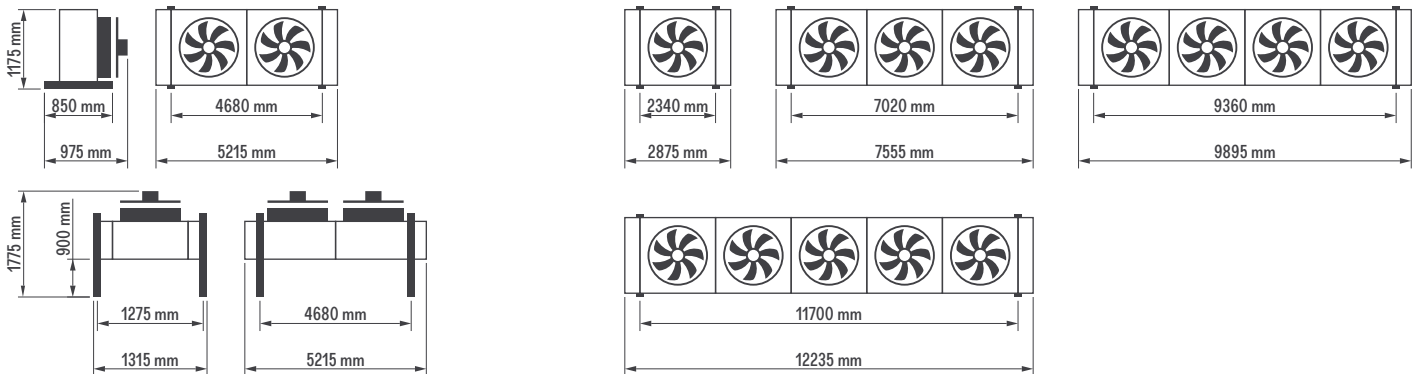

MISTRAL-F LF100-3.2


MISTRAL-F LF100-4.2

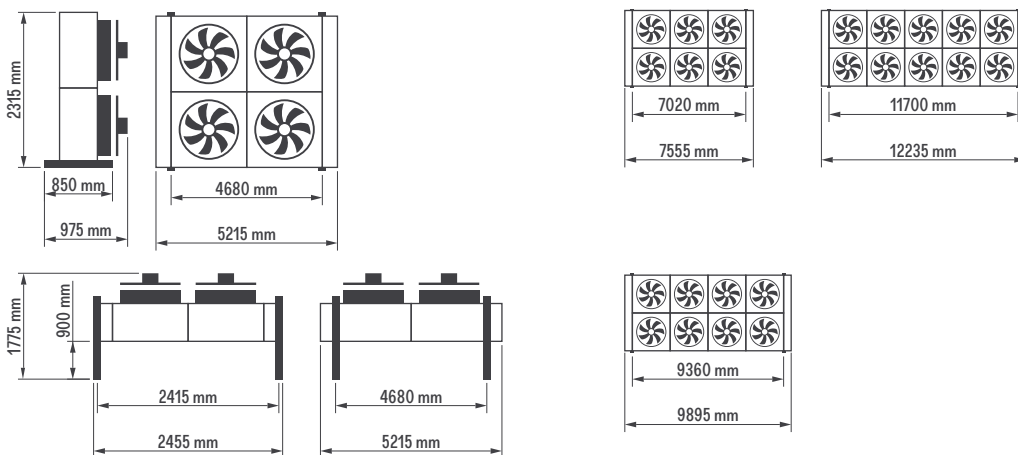

MISTRAL-F LF100-5.2


DIMENSIONS

MISTRAL-F LF100-1.1/2.1/3.1/4.1/5.1



MISTRAL-F LF100-2.2/3.2/4.2/5.2



MODEL CODE

MISTRAL-F L F 100 2.1 A 4D AC

MISTRAL-F	Flatbed dry cooler
L	S = short coil height [not present] = Standard coil height L = Increased coil height
F	F = Flatbed dry cooler
100	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-F LF100

Flatbed dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F LF100-1.1 B 6 D	77.6	14.8	29	27650	53	1	2.48	5.6	194	210	2"
MISTRAL-F LF100-1.1 C 6 D	90.2	17.2	52	26150	53	1	2.48	5.6	258	230	2"
MISTRAL-F LF100-2.1 B 6 D	163.3	31.2	89	55350	56	2	4.96	11.3	388	400	2" 1/2
MISTRAL-F LF100-2.1 C 6 D	182.2	34.8	65	52350	56	2	4.96	11.3	517	440	DN80
MISTRAL-F LF100-3.1 B 6 D	236.1	45.1	37	83000	58	3	7.44	16.9	581	595	DN100
MISTRAL-F LF100-3.1 C 6 D	263.7	50.3	27	78500	58	3	7.44	16.9	775	655	DN100
MISTRAL-F LF100-4.1 B 6 D	315.1	60.1	27	105800	59	4	9.92	22.5	737	785	DN100
MISTRAL-F LF100-4.1 C 6 D	346.4	66.1	19	98950	59	4	9.92	22.5	982	865	DN100
MISTRAL-F LF100-5.1 B 6 D	405.0	77.3	52	132250	59	5	12.40	28.2	921	975	DN100
MISTRAL-F LF100-5.1 C 6 D	444.6	84.8	37	123700	59	5	12.40	28.2	1228	1075	DN100
MISTRAL-F LF100-2.2 B 6 D	326.6	62.3	89	110700	59	2 x 3	9.92	22.5	775	760	2" 1/2
MISTRAL-F LF100-2.2 C 6 D	364.5	69.6	65	104650	59	2 x 3	9.92	22.5	1033	840	DN80
MISTRAL-F LF100-3.2 B 6 D	472.1	90.1	37	166050	60	2 x 2	14.88	33.8	1162	1125	DN100
MISTRAL-F LF100-3.2 C 6 D	527.5	100.7	27	157000	60	2 x 2	14.88	33.8	1550	1245	DN100
MISTRAL-F LF100-4.2 B 6 D	630.3	120.3	27	211600	61	2 x 4	19.84	45.0	1473	1485	DN100
MISTRAL-F LF100-4.2 C 6 D	692.7	132.2	19	197900	61	2 x 4	19.84	45.0	1964	1645	DN100
MISTRAL-F LF100-5.2 B 6 D	810.0	154.6	52	264450	62	2 x 5	24.80	56.3	1841	1850	DN100
MISTRAL-F LF100-5.2 C 6 D	889.1	169.7	37	247400	62	2 x 5	24.80	56.3	2455	2050	DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-F LF100-1.1 A 8 D	48.9	9.3	26	19150	46	1	0.96	2.3	129	190	2"
MISTRAL-F LF100-1.1 B 8 D	61.9	11.8	60	18050	46	1	0.96	2.3	194	210	2"
MISTRAL-F LF100-1.1 C 8 D	66.1	12.6	30	17100	46	1	0.96	2.3	258	230	2"
MISTRAL-F LF100-2.1 A 8 D	103.3	19.7	82	38350	49	2	1.92	4.6	258	360	2" 1/2
MISTRAL-F LF100-2.1 B 8 D	123.7	23.6	55	36100	49	2	1.92	4.6	388	400	2" 1/2
MISTRAL-F LF100-2.1 C 8 D	133.6	25.5	38	34150	49	2	1.92	4.6	517	440	DN80
MISTRAL-F LF100-3.1 A 8 D	149.2	28.5	33	57500	51	3	2.88	6.8	388	535	DN100
MISTRAL-F LF100-3.1 B 8 D	178.9	34.2	23	54200	51	3	2.88	6.8	581	595	DN100
MISTRAL-F LF100-3.1 C 8 D	193.3	36.9	16	51250	51	3	2.88	6.8	775	655	DN100
MISTRAL-F LF100-4.1 A 8 D	200.3	38.2	25	74200	52	4	3.84	9.1	491	705	DN100
MISTRAL-F LF100-4.1 B 8 D	236.1	45.1	16	69100	52	4	3.84	9.1	737	785	DN100
MISTRAL-F LF100-4.1 C 8 D	267.5	51.0	83	64800	52	4	3.84	9.1	982	865	DN100
MISTRAL-F LF100-5.1 A 8 D	257.6	49.2	48	92750	52	5	4.80	11.4	614	875	DN100
MISTRAL-F LF100-5.1 B 8 D	303.3	57.9	31	86350	52	5	4.80	11.4	921	975	DN100
MISTRAL-F LF100-5.1 C 8 D	322.9	61.6	21	81000	52	5	4.80	11.4	1228	1075	DN100
MISTRAL-F LF100-2.2 A 8 D	206.6	39.4	82	76700	52	2 x 3	3.84	9.1	517	680	2" 1/2
MISTRAL-F LF100-2.2 B 8 D	247.4	47.2	55	72250	52	2 x 3	3.84	9.1	775	760	2" 1/2
MISTRAL-F LF100-2.2 C 8 D	267.1	51.0	38	68300	52	2 x 3	3.84	9.1	1033	840	DN80
MISTRAL-F LF100-3.2 A 8 D	298.4	57.0	33	115000	53	2 x 2	5.76	13.7	775	1000	DN100
MISTRAL-F LF100-3.2 B 8 D	357.8	68.3	23	108400	53	2 x 2	5.76	13.7	1162	1125	DN100
MISTRAL-F LF100-3.2 C 8 D	386.7	73.8	16	102450	53	2 x 2	5.76	13.7	1550	1245	DN100
MISTRAL-F LF100-4.2 A 8 D	400.6	76.5	25	148450	54	2 x 4	7.68	18.2	982	1325	DN100
MISTRAL-F LF100-4.2 B 8 D	472.2	90.1	16	138150	54	2 x 4	7.68	18.2	1473	1485	DN100
MISTRAL-F LF100-4.2 C 8 D	535.1	102.1	83	129600	54	2 x 4	7.68	18.2	1964	1645	DN100
MISTRAL-F LF100-5.2 A 8 D	515.2	98.3	48	185550	55	2 x 5	9.60	22.8	1228	1650	DN100
MISTRAL-F LF100-5.2 B 8 D	606.5	115.8	31	172700	55	2 x 5	9.60	22.8	1841	1850	DN100
MISTRAL-F LF100-5.2 C 8 D	645.8	123.2	21	162000	55	2 x 5	9.60	22.8	2455	2050	DN100

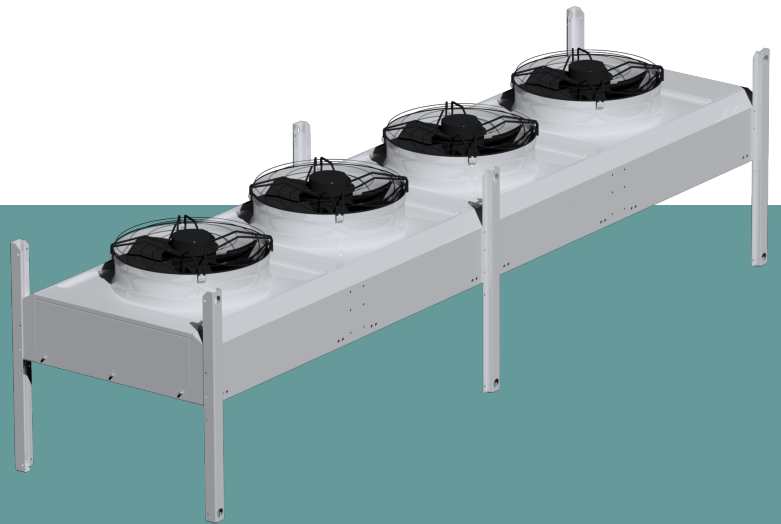
T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-F

Flatbed dry coolers

SELECTION GUIDE

June 2020

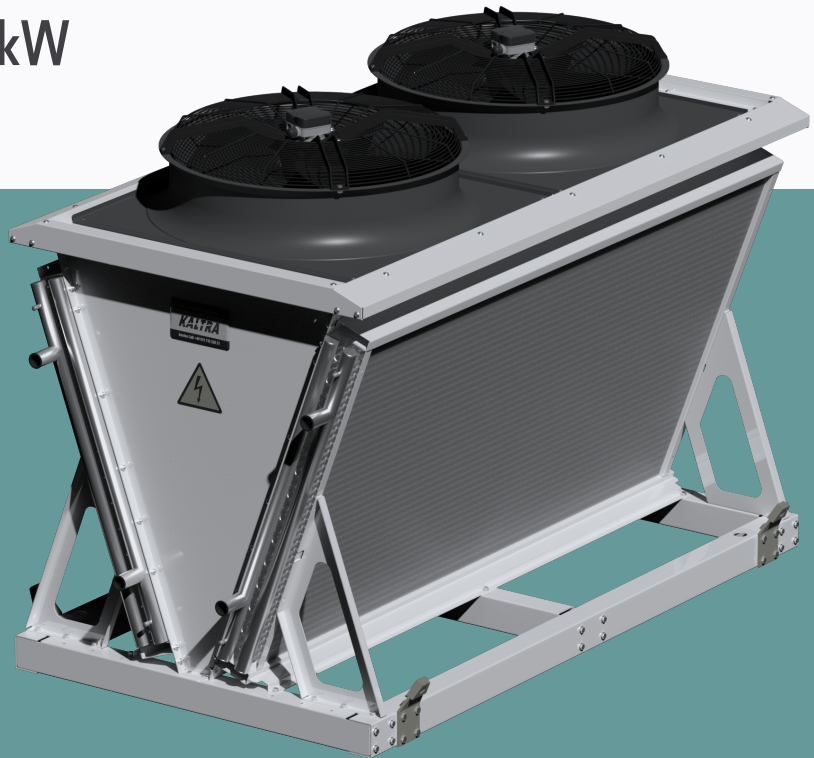


KALTRA

MISTRAL-V

Compact dry coolers

Heat rejection: 20÷800kW



SELECTION GUIDE

June 2020

www.kaltra.com

KALTRA

MISTRAL-V

Compact dry coolers

Mistral-V dry coolers combine the latest cooling technologies, highest energy efficiency, and compact construction to target a wide range of applications, from urban installations to industrial process cooling. Noteworthy, these dry coolers offer the lowest level of noise emissions, making them best suitable for modern city infrastructures.

- High-performance finned tube heat exchangers with inner-grooved copper tubes
- Efficient fans driven by AC- and EC-motors with fan speed control options
- Compact design



Features and optionals

To meet precise customer requirements, we made available a vast array of accessories and options for the Mistral-V lineup of dry coolers.



DESIGNED FOR WATER, GLYCOLS,
OILS AND SPECIAL FLUIDS



EVAPORATIVE PRE-COOLING OR
WATER SPRAY SYSTEMS



INTELLIGENT FAN SPEED
CONTROL



EVAPORATING WATER RECIRCULATION,
PUMPING, AND TOP-UP



LEADING ENERGY EFFICIENCIES
IN APPLICATIONS



HEAT EXCHANGER COATINGS
FOR CORROSION PROTECTION



SPACE-SAVING, LOW-HEIGHT
DESIGN



ULTRA-LOW NOISE
EMISSIONS

MISTRAL-V

Compact dry coolers

Axial fans

Available fans are axial AC-driven or EC-driven with Modbus control and optional diffusers to reduce noise emissions. Our intelligent fan system also contributes to the lowest energy consumption.

Fan speed control

Fan speed controllers, optionally available for both AC- and EC-driven fans, enable precise thermal management for Mistral-V dry coolers, and also offer fan monitoring functionality for EC-driven fans via Modbus communication protocol. Weatherproof enclosure ensures reliable operation in a wide range of operating conditions.



Heat exchangers

Mistral-V design incorporates optimized copper tube and aluminum fins heat exchangers with various protective coatings, including epoxy coating. Optionally, we offer heat exchangers with stainless steel tubes.

Quickspecs

CAPACITY @ DT15 K EG 35%	20 ÷ 800 kW	FIN SPACING	2.1 / 2.4 / 3.6 mm
UNIT LENGTH	< 11500 mm	FAN DIAMETER	630 / 800 / 900 / 1000 mm
HEAT EXCHANGERS	FINNED TUBE	NUMBER OF FANS	1 ÷ 8
FIN/TUBE MATERIAL	ALUMINUM / COPPER	FAN MOTORS	AC / EC

For more information about Mistral-V series dry coolers, refer to : <https://www.kaltra.com/products/dry-coolers>

KALTRA

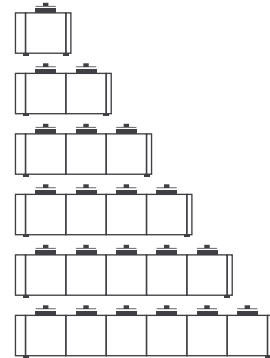
MISTRAL-V SV60

Compact dry coolers

www.kaltra.com

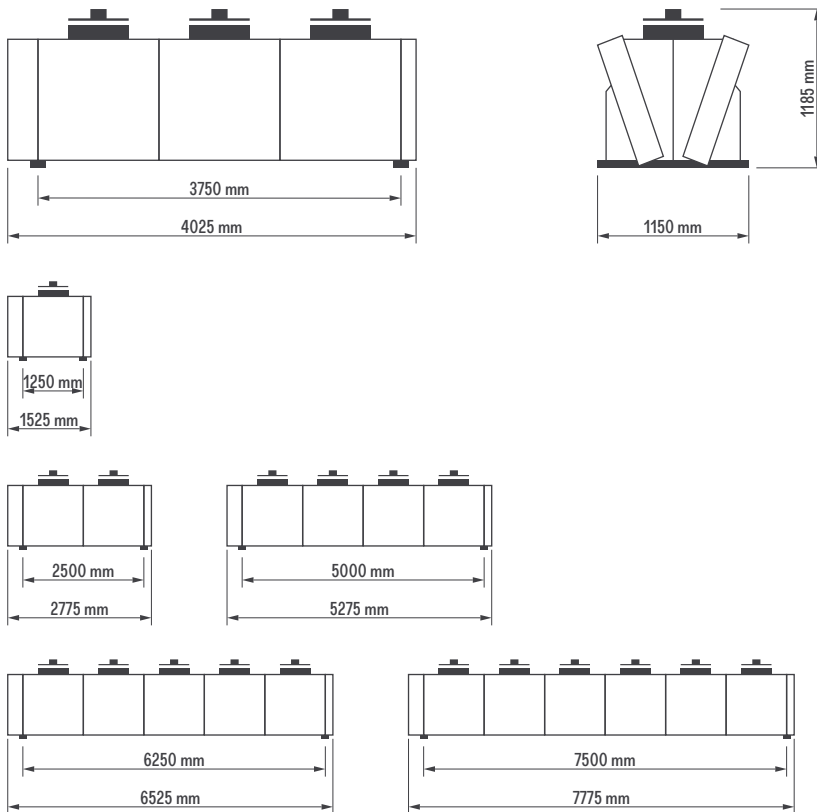
Ø 630 mm
FAN DIAMETER
18,7 ÷ 336,6 kW
CAPACITY @ DT 15K
1 ÷ 6
NUMBER OF FANS

- MISTRAL-V SV60-1.1
- MISTRAL-V SV60-2.1
- MISTRAL-V SV60-3.1
- MISTRAL-V SV60-4.1
- MISTRAL-V SV60-5.1
- MISTRAL-V SV60-6.1



DIMENSIONS

MISTRAL-V SV60-1.1/2.1/3.1/4.1/5.1/6.1



MODEL CODE

MISTRAL-V S V 60 2.1 A 4D AC

MISTRAL-V	Compact V-shaped dry cooler	2.1	Number of fans per row * number of fan rows
S	S = short coil height [not present] = Standard coil height L = Increased coil height	A	A/B/C = Heat exchanger type
V	V = Dry cooler with single fan row	4D	Motor poles and motor type (D/V/S)
60	Fan diameter in dm	AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-V SV60

Compact dry coolers

www.kaltra.com

Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V SV60-1.1 A 4 D	42.0	8.0	64	15500	49	1	1.97	3.4	109	140	2x 3/4"
MISTRAL-V SV60-1.1 B 4 D	52.0	9.9	63	15150	49	1	1.97	3.4	163	160	2x 3/4"
MISTRAL-V SV60-1.1 C 4 D	57.9	11.0	54	14850	49	1	1.97	3.4	218	175	2x 3/4"
MISTRAL-V SV60-2.1 A 4 D	80.5	15.4	24	31050	52	2	3.94	6.8	218	250	2x 3/4"
MISTRAL-V SV60-2.1 B 4 D	104.6	20.0	66	30350	52	2	3.94	6.8	327	285	2x 1"
MISTRAL-V SV60-2.1 C 4 D	116.0	22.1	50	29650	52	2	3.94	6.8	436	318	2x 1"
MISTRAL-V SV60-3.1 A 4 D	124.2	23.7	41	46600	54	3	5.91	10.2	327	360	2x 1"
MISTRAL-V SV60-3.1 B 4 D	152.1	29.0	28	45500	54	3	5.91	10.2	490	410	2x 1"
MISTRAL-V SV60-3.1 C 4 D	173.9	33.2	49	44500	54	3	5.91	10.2	654	460	2x 1 1/4"
MISTRAL-V SV60-4.1 A 4 D	153.1	29.2	11	62100	55	4	7.88	13.6	436	470	2x 1 1/4"
MISTRAL-V SV60-4.1 B 4 D	209.5	40.0	66	60700	55	4	7.88	13.6	654	535	2x 1 1/4"
MISTRAL-V SV60-4.1 C 4 D	231.7	44.2	48	59300	55	4	7.88	13.6	872	605	2x 1 1/2"
MISTRAL-V SV60-5.1 A 4 D	200.9	38.3	22	77650	56	5	9.85	17.0	545	580	2x 1 1/2"
MISTRAL-V SV60-5.1 B 4 D	246.0	47.0	16	75850	56	5	9.85	17.0	817	665	2x 1 1/2"
MISTRAL-V SV60-5.1 C 4 D	294.7	56.2	90	74150	56	5	9.85	17.0	1089	750	2x 1 1/2"
MISTRAL-V SV60-6.1 A 4 D	248.2	47.4	39	93200	57	6	11.82	20.4	654	690	2x 1 1/2"
MISTRAL-V SV60-6.1 B 4 D	303.9	58.0	27	91050	57	6	11.82	20.4	980	790	2x 2"
MISTRAL-V SV60-6.1 C 4 D	336.6	64.2	20	88950	57	6	11.82	20.4	1307	890	2x 2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V SV60-1.1 A 6 D	32.4	6.2	57	10050	38	1	0.60	1.2	109	140	2x 3/4"
MISTRAL-V SV60-1.1 B 6 D	38.1	7.3	37	9850	38	1	0.60	1.2	163	160	2x 3/4"
MISTRAL-V SV60-1.1 C 6 D	41.8	8.0	58	9600	38	1	0.60	1.2	218	175	2x 3/4"
MISTRAL-V SV60-2.1 A 6 D	65.2	12.5	62	20100	41	2	1.20	2.4	218	250	2x 3/4"
MISTRAL-V SV60-2.1 B 6 D	76.4	14.6	38	19700	41	2	1.20	2.4	327	285	2x 1"
MISTRAL-V SV60-2.1 C 6 D	83.5	15.9	53	19250	41	2	1.20	2.4	436	320	2x 1"
MISTRAL-V SV60-3.1 A 6 D	97.6	18.6	56	30200	43	3	1.80	3.6	327	360	2x 1"
MISTRAL-V SV60-3.1 B 6 D	114.6	21.9	38	29500	43	3	1.80	3.6	490	410	2x 1"
MISTRAL-V SV60-3.1 C 6 D	125.4	23.9	55	28850	43	3	1.80	3.6	654	460	2x 1 1/4"
MISTRAL-V SV60-4.1 A 6 D	130.3	24.9	59	40250	44	4	2.40	4.8	436	470	2x 1 1/4"
MISTRAL-V SV60-4.1 B 6 D	152.9	29.2	38	39350	44	4	2.40	4.8	654	535	2x 1 1/4"
MISTRAL-V SV60-4.1 C 6 D	167.5	32.0	60	38500	44	4	2.40	4.8	852	605	2x 1 1/2"
MISTRAL-V SV60-5.1 A 6 D	152.7	29.1	14	50300	45	5	3.00	6.0	545	580	2x 1 1/2"
MISTRAL-V SV60-5.1 B 6 D	194.5	37.1	72	49200	45	5	3.00	6.0	817	665	2x 1 1/2"
MISTRAL-V SV60-5.1 C 6 D	208.6	39.8	49	48100	45	5	3.00	6.0	1089	750	2x 1 1/2"
MISTRAL-V SV60-6.1 A 6 D	188.8	36.1	24	60400	46	6	3.60	7.2	654	690	2x 1 1/2"
MISTRAL-V SV60-6.1 B 6 D	221.8	42.3	16	59050	46	6	3.60	7.2	980	790	2x 2"
MISTRAL-V SV60-6.1 C 6 D	252.8	48.2	82	57750	46	6	3.60	7.2	1307	890	2x 2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V SV60

Compact dry coolers

www.kaltra.com

Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V SV60-1.1 A 8 D	23.2	4.4	31	6300	31	1	0.24	0.6	109	140	2x 3/4"
MISTRAL-V SV60-1.1 B 8 D	28.6	5.1	44	6150	31	1	0.24	0.6	163	160	2x 3/4"
MISTRAL-V SV60-1.1 C 8 D	28.0	5.3	29	6050	31	1	0.24	0.6	218	175	2x 3/4"
MISTRAL-V SV60-2.1 A 8 D	47.7	9.1	67	12600	34	2	0.47	1.1	218	250	2x 3/4"
MISTRAL-V SV60-2.1 B 8 D	53.5	10.2	40	12350	34	2	0.47	1.1	327	285	2x 1"
MISTRAL-V SV60-2.1 C 8 D	56.6	10.8	59	12100	34	2	0.47	1.1	436	318	2x 1"
MISTRAL-V SV60-3.1 A 8 D	70.1	13.4	31	18850	36	3	0.71	1.7	327	360	2x 1"
MISTRAL-V SV60-3.1 B 8 D	80.3	15.3	43	18500	36	3	0.71	1.7	490	410	2x 1"
MISTRAL-V SV60-3.1 C 8 D	84.9	16.2	57	18150	36	3	0.71	1.7	654	460	2x 1 1/4"
MISTRAL-V SV60-4.1 A 8 D	93.6	17.9	33	25150	37	4	0.94	2.2	436	470	2x 1 1/4"
MISTRAL-V SV60-4.1 B 8 D	107.7	20.5	53	24650	37	4	0.94	2.2	654	535	2x 1 1/4"
MISTRAL-V SV60-4.1 C 8 D	112.1	21.4	29	24250	37	4	0.94	2.2	872	605	2x 1 1/2"
MISTRAL-V SV60-5.1 A 8 D	119.2	22.7	62	31450	38	5	1.18	2.8	545	580	2x 1 1/2"
MISTRAL-V SV60-5.1 B 8 D	133.7	25.5	37	30850	38	5	1.18	2.8	817	665	2x 1 1/2"
MISTRAL-V SV60-5.1 C 8 D	141.5	27.0	55	30300	38	5	1.18	2.8	1089	750	2x 1 1/2"
MISTRAL-V SV60-6.1 A 8 D	135.5	25.9	13	37750	39	6	1.41	3.3	654	690	2x 1 1/2"
MISTRAL-V SV60-6.1 B 8 D	162.1	30.9	62	37000	39	6	1.41	3.3	980	790	2x 2"
MISTRAL-V SV60-6.1 C 8 D	169.1	32.3	41	36350	39	6	1.41	3.3	1307	890	2x 2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V SV60-1.1 A 12 D	18.7	3.6	48	4550	24	1	0.11	0.3	109	140	2x 3/4"
MISTRAL-V SV60-1.1 B 12 D	20.3	3.9	27	4450	24	1	0.11	0.3	163	160	2x 3/4"
MISTRAL-V SV60-1.1 C 12 D	20.5	3.9	17	4300	24	1	0.11	0.3	218	175	2x 3/4"
MISTRAL-V SV60-2.1 A 12 D	37.3	7.1	43	9150	27	2	0.22	0.5	218	250	2x 3/4"
MISTRAL-V SV60-2.1 B 12 D	40.9	7.8	49	8900	27	2	0.22	0.5	327	285	2x 1"
MISTRAL-V SV60-2.1 C 12 D	41.5	7.9	33	8650	27	2	0.22	0.5	436	320	2x 1"
MISTRAL-V SV60-3.1 A 12 D	55.9	10.7	42	13700	29	3	0.33	0.8	327	360	2x 1"
MISTRAL-V SV60-3.1 B 12 D	61.6	11.8	56	13400	29	3	0.33	0.8	490	410	2x 1"
MISTRAL-V SV60-3.1 C 12 D	62.3	11.9	33	12950	29	3	0.33	0.8	654	460	2x 1 1/4"
MISTRAL-V SV60-4.1 A 12 D	75.0	14.3	52	18300	30	4	0.44	1.1	436	470	2x 1 1/4"
MISTRAL-V SV60-4.1 B 12 D	82.1	15.7	53	17850	30	4	0.44	1.1	654	535	2x 1 1/4"
MISTRAL-V SV60-4.1 C 12 D	83.1	15.8	32	17300	30	4	0.44	1.1	852	605	2x 1 1/2"
MISTRAL-V SV60-5.1 A 12 D	93.2	17.8	40	22850	31	5	0.55	1.4	545	580	2x 1 1/2"
MISTRAL-V SV60-5.1 B 12 D	102.6	19.6	51	22300	31	5	0.55	1.4	817	665	2x 1 1/2"
MISTRAL-V SV60-5.1 C 12 D	103.8	19.8	32	21600	31	5	0.55	1.4	1089	750	2x 1 1/2"
MISTRAL-V SV60-6.1 A 12 D	113.1	21.6	68	27400	32	6	0.66	1.6	654	690	2x 1 1/2"
MISTRAL-V SV60-6.1 B 12 D	122.6	23.4	38	26750	32	6	0.66	1.6	980	790	2x 2"
MISTRAL-V SV60-6.1 C 12 D	124.6	23.8	33	25950	32	6	0.66	1.6	1307	890	2x 2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V SV80

Compact dry coolers

www.kaltra.com

Ø 800 mm
FAN DIAMETER

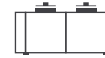
40,6 ÷ 392,9 kW
CAPACITY @ DT 15K

1 ÷ 6
NUMBER OF FANS

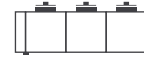
MISTRAL-V SV80-1.1



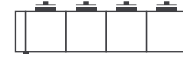
MISTRAL-V SV80-2.1



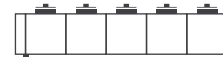
MISTRAL-V SV80-3.1



MISTRAL-V SV80-4.1



MISTRAL-V SV80-5.1

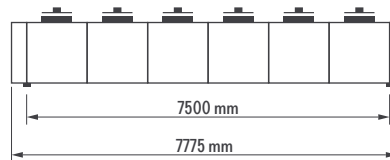
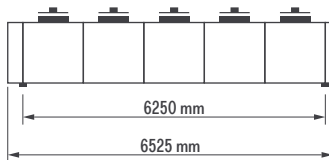
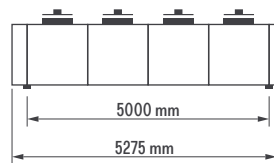
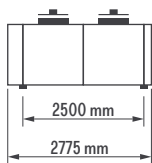
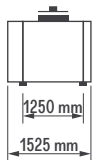
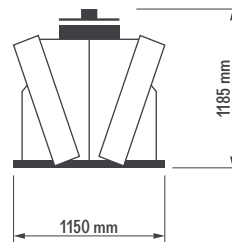
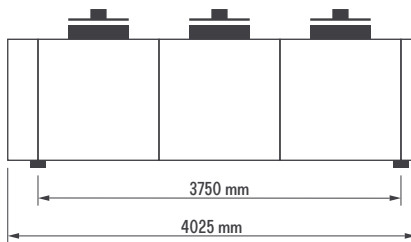


MISTRAL-V SV80-6.1



DIMENSIONS

MISTRAL-V SV80-1.1/2.1/3.1/4.1/5.1/6.1



MODEL CODE

MISTRAL-V S V 80 2.1 A 4D AC

MISTRAL-V	Compact V-shaped dry cooler		
S	S = short coil height	[not present] = Standard coil height	L = Increased coil height
V	V = Dry cooler with single fan row		
80	Fan diameter in dm		

2.1	Number of fans per row * number of fan rows	
A	A/B/C = Heat exchanger type	
4D	Motor poles and motor type (D/V/S)	
AC	AC = AC-driven fans	EC = EC-driven fans

MISTRAL-V SV80

Compact dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V SV80-1.1 A 6 D	47.0	9.0	35	20200	46	1	1.72	3.9	109	140	2x 3/4"
MISTRAL-V SV80-1.1 B 6 D	59.7	11.4	52	19200	46	1	1.72	3.9	163	160	2x 3/4"
MISTRAL-V SV80-1.1 C 6 D	67.8	12.9	74	18250	46	1	1.72	3.9	218	175	2x 3/4"
MISTRAL-V SV80-2.1 A 6 D	93.7	17.9	32	40450	49	2	3.44	7.8	218	250	2x 3/4"
MISTRAL-V SV80-2.1 B 6 D	115.9	22.1	24	38350	49	2	3.44	7.8	327	285	2x 1"
MISTRAL-V SV80-2.1 C 6 D	135.4	25.8	66	36550	49	2	3.44	7.8	436	320	2x 1"
MISTRAL-V SV80-3.1 A 6 D	144.5	27.6	53	60650	51	3	5.16	11.7	327	360	2x 1"
MISTRAL-V SV80-3.1 B 6 D	177.8	33.9	38	57550	51	3	5.16	11.7	490	410	2x 1"
MISTRAL-V SV80-3.1 C 6 D	203.0	38.7	64	54800	51	3	5.16	11.7	654	460	2x 1 1/4"
MISTRAL-V SV80-4.1 A 6 D	178.4	34.1	15	80850	52	4	6.88	15.6	436	470	2x 1 1/4"
MISTRAL-V SV80-4.1 B 6 D	245.0	46.8	87	76700	52	4	6.88	15.6	654	535	2x 1 1/4"
MISTRAL-V SV80-4.1 C 6 D	270.5	51.6	62	73050	52	4	6.88	15.6	852	605	2x 1 1/2"
MISTRAL-V SV80-5.1 A 6 D	233.7	44.6	29	101100	53	5	8.60	19.5	545	580	2x 1 1/2"
MISTRAL-V SV80-5.1 B 6 D	287.7	54.9	21	95900	53	5	8.60	19.5	817	665	2x 1 1/2"
MISTRAL-V SV80-5.1 C 6 D	318.3	60.7	15	91300	53	5	8.60	19.5	1089	750	2x 1 1/2"
MISTRAL-V SV80-6.1 A 6 D	288.7	55.1	51	121300	54	6	10.32	23.4	654	690	2x 1 1/2"
MISTRAL-V SV80-6.1 B 6 D	355.3	67.8	36	115050	54	6	10.32	23.4	980	790	2x 2"
MISTRAL-V SV80-6.1 C 6 D	392.9	75.0	26	109600	54	6	10.32	23.4	1307	890	2x 2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V SV80-1.1 A 8 D	40.6	7.8	60	14650	39	1	0.77	2.2	109	140	2x 3/4"
MISTRAL-V SV80-1.1 B 8 D	49.0	9.4	57	13950	39	1	0.77	2.2	163	160	2x 3/4"
MISTRAL-V SV80-1.1 C 8 D	53.3	10.2	47	13300	39	1	0.77	2.2	218	175	2x 3/4"
MISTRAL-V SV80-2.1 A 8 D	77.8	14.8	23	29300	42	2	1.54	4.4	218	250	2x 3/4"
MISTRAL-V SV80-2.1 B 8 D	98.6	18.8	59	27900	42	2	1.54	4.4	327	285	2x 1"
MISTRAL-V SV80-2.1 C 8 D	108.5	20.7	83	26600	42	2	1.54	4.4	436	320	2x 1"
MISTRAL-V SV80-3.1 A 8 D	120.0	22.9	38	44000	44	3	2.31	6.7	327	360	2x 1"
MISTRAL-V SV80-3.1 B 8 D	148.1	28.3	59	41800	44	3	2.31	6.7	490	410	2x 1"
MISTRAL-V SV80-3.1 C 8 D	160.0	30.5	42	39950	44	3	2.31	6.7	654	460	2x 1 1/4"
MISTRAL-V SV80-4.1 A 8 D	165.5	31.6	89	58650	45	4	3.08	8.9	436	470	2x 1 1/4"
MISTRAL-V SV80-4.1 B 8 D	197.5	37.7	60	55750	45	4	3.08	8.9	654	535	2x 1 1/4"
MISTRAL-V SV80-4.1 C 8 D	213.2	40.7	41	53250	45	4	3.08	8.9	852	605	2x 1 1/2"
MISTRAL-V SV80-5.1 A 8 D	194.0	37.0	21	73300	46	5	3.85	11.1	545	580	2x 1 1/2"
MISTRAL-V SV80-5.1 B 8 D	231.9	44.3	14	69700	46	5	3.85	11.1	817	665	2x 1 1/2"
MISTRAL-V SV80-5.1 C 8 D	271.1	51.7	78	66550	46	5	3.85	11.1	1089	750	2x 1 1/2"
MISTRAL-V SV80-6.1 A 8 D	239.8	45.8	37	87950	47	6	4.62	13.3	654	690	2x 1 1/2"
MISTRAL-V SV80-6.1 B 8 D	286.5	54.7	25	83650	47	6	4.62	13.3	980	790	2x 2"
MISTRAL-V SV80-6.1 C 8 D	309.7	59.1	17	79850	47	6	4.62	13.3	1307	890	2x 2"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V LV80

Compact dry coolers

www.kaltra.com

Ø 800 mm

FAN DIAMETER

47,4 ÷ 591,2 kW

CAPACITY @ DT 15K

1 ÷ 8

NUMBER OF FANS

MISTRAL-V LV80-1.1

MISTRAL-V LV80-2.1

MISTRAL-V LV80-3.1

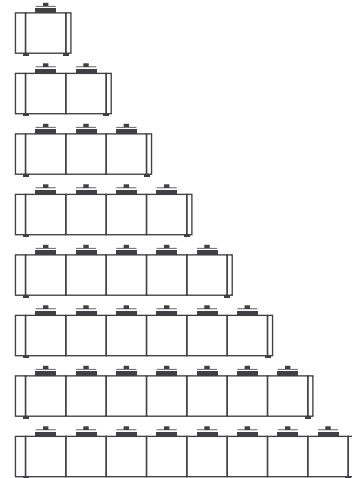
MISTRAL-V LV80-4.1

MISTRAL-V LV80-5.1

MISTRAL-V LV80-6.1

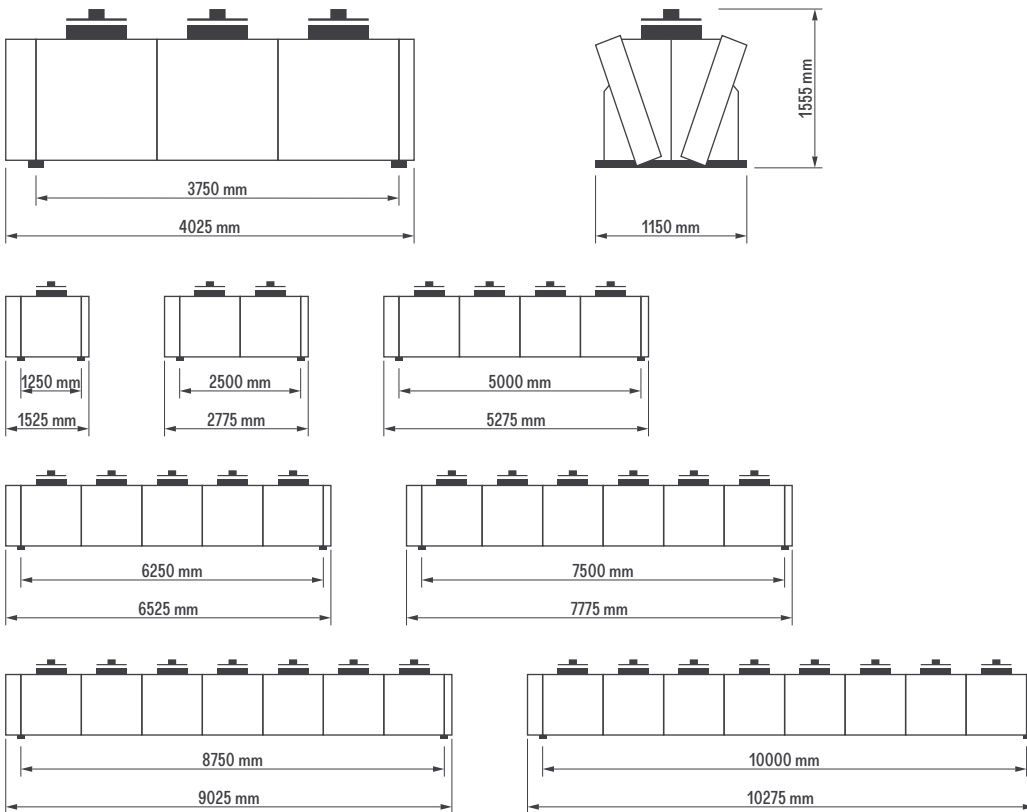
MISTRAL-V LV80-7.1

MISTRAL-V LV80-8.1



DIMENSIONS

MISTRAL-V LV80-1.1/2.1/3.1/4.1/5.1/6.1/7.1/8.1



MODEL CODE

MISTRAL-V L V 80 21 A 4D AC

MISTRAL-V	Compact V-shaped dry cooler	2.1	Number of fans per row * number of fan rows
L	S = short coil height [not present] = Standard coil height L = Increased coil height	A	A/B/C = Heat exchanger type
V	V = Dry cooler with single fan row	4D	Motor poles and motor type (D/V/S)
80	Fan diameter in dm	AC	AC = AC-driven fans EC = EC-driven fans

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

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Please check the current position with Kaltra

MISTRAL-V LV80

Compact dry coolers

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Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V LV80-1.1 A 6 D	56.5	10.8	63	21150	46	1	1.72	3.9	145	185	2x 3/4"
MISTRAL-V LV80-1.1 B 6 D	69.0	13.2	45	20400	46	1	1.72	3.9	218	205	2x 3/4"
MISTRAL-V LV80-1.1 C 6 D	77.1	14.7	55	19700	46	1	1.72	3.9	290	230	2x 1"
MISTRAL-V LV80-2.1 A 6 D	109.1	20.8	27	42250	49	2	3.44	7.8	290	325	2x 1"
MISTRAL-V LV80-2.1 B 6 D	140.6	26.8	71	40800	49	2	3.44	7.8	436	370	2x 1 1/4"
MISTRAL-V LV80-2.1 C 6 D	154.3	29.4	50	39450	49	2	3.44	7.8	581	415	2x 1 1/4"
MISTRAL-V LV80-3.1 A 6 D	167.6	32.0	42	63400	51	3	5.16	11.7	436	465	2x 1 1/4"
MISTRAL-V LV80-3.1 B 6 D	203.9	38.9	29	61200	51	3	5.16	11.7	654	535	2x 1 1/2"
MISTRAL-V LV80-3.1 C 6 D	231.1	44.1	48	59150	51	3	5.16	11.7	871	600	2x 1 1/2"
MISTRAL-V LV80-4.1 A 6 D	206.6	39.4	11	84500	52	4	6.88	15.6	581	605	2x 1 1/2"
MISTRAL-V LV80-4.1 B 6 D	280.9	53.6	67	81600	52	4	6.88	15.6	871	695	2x 1 1/2"
MISTRAL-V LV80-4.1 C 6 D	308.3	58.8	47	78850	52	4	6.88	15.6	1162	785	2x 2"
MISTRAL-V LV80-5.1 A 6 D	271.1	51.7	23	105650	53	5	8.60	19.5	726	745	2x 2"
MISTRAL-V LV80-5.1 B 6 D	329.9	63.0	16	102000	53	5	8.60	19.5	1089	860	2x 2"
MISTRAL-V LV80-5.1 C 6 D	362.6	69.2	11	98550	53	5	8.60	19.5	1452	975	2x 2"
MISTRAL-V LV80-6.1 A 6 D	334.9	63.9	40	126800	53	6	10.32	23.4	872	890	2x 2"
MISTRAL-V LV80-6.1 B 6 D	407.5	77.8	28	122400	53	6	10.32	23.4	1307	1025	2x 2"
MISTRAL-V LV80-6.1 C 6 D	447.8	85.4	20	118300	53	6	10.32	23.4	1743	1160	2x 2 1/2"
MISTRAL-V LV80-7.1 A 6 D	398.5	76.0	63	147900	54	7	12.04	27.3	726	745	2x 2"
MISTRAL-V LV80-7.1 B 6 D	484.6	92.5	44	142800	54	7	12.04	27.3	1525	1185	2x 2 1/2"
MISTRAL-V LV80-7.1 C 6 D	532.2	101.5	31	138000	54	7	12.04	27.3	2033	1345	2x 2 1/2"
MISTRAL-V LV80-8.1 A 6 D	452.9	86.4	30	165800	54	8	13.76	31.2	1104	1170	2x 2 1/2"
MISTRAL-V LV80-8.1 B 6 D	543.9	103.8	20	158750	54	8	13.76	31.2	1657	1350	2x 2 1/2"
MISTRAL-V LV80-8.1 C 6 D	591.2	112.8	14	152400	54	8	13.76	31.2	2209	1530	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V LV80-1.1 A 8 D	47.4	9.1	80	15300	39	1	0.77	2.2	145	185	2x 3/4"
MISTRAL-V LV80-1.1 B 8 D	55.7	10.6	51	14800	39	1	0.77	2.2	218	205	2x 3/4"
MISTRAL-V LV80-1.1 C 8 D	61.0	11.6	69	14350	39	1	0.77	2.2	290	230	2x 1"
MISTRAL-V LV80-2.1 A 8 D	94.7	18.1	72	30600	42	2	1.54	4.4	290	325	2x 1"
MISTRAL-V LV80-2.1 B 8 D	113.7	21.7	91	29550	42	2	1.54	4.4	436	370	2x 1 1/4"
MISTRAL-V LV80-2.1 C 8 D	120.0	22.9	32	28650	42	2	1.54	4.4	581	415	2x 1 1/4"
MISTRAL-V LV80-3.1 A 8 D	137.3	26.2	29	45900	44	3	2.31	6.7	436	465	2x 1 1/4"
MISTRAL-V LV80-3.1 B 8 D	167.4	31.9	45	44350	44	3	2.31	6.7	654	535	2x 1 1/2"
MISTRAL-V LV80-3.1 C 8 D	179.7	34.3	31	43000	44	3	2.31	6.7	871	600	2x 1 1/2"
MISTRAL-V LV80-4.1 A 8 D	189.3	36.1	68	61200	45	4	3.08	8.9	581	605	2x 1 1/2"
MISTRAL-V LV80-4.1 B 8 D	223.1	42.6	44	59150	45	4	3.08	8.9	871	695	2x 1 1/2"
MISTRAL-V LV80-4.1 C 8 D	239.7	45.7	30	57300	45	4	3.08	8.9	1162	785	2x 2"
MISTRAL-V LV80-5.1 A 8 D	221.9	42.4	16	76450	46	5	3.85	11.1	726	745	2x 2"
MISTRAL-V LV80-5.1 B 8 D	283.9	54.2	85	73950	46	5	3.85	11.1	1089	860	2x 2"
MISTRAL-V LV80-5.1 C 8 D	304.6	58.1	58	71650	46	5	3.85	11.1	1452	975	2x 2"
MISTRAL-V LV80-6.1 A 8 D	274.3	52.3	28	91750	46	6	4.62	13.3	872	890	2x 2"
MISTRAL-V LV80-6.1 B 8 D	323.8	61.8	18	88700	46	6	4.62	13.3	1307	1025	2x 2"
MISTRAL-V LV80-6.1 C 8 D	348.2	66.4	13	85950	46	6	4.62	13.3	1743	1160	2x 2 1/2"
MISTRAL-V LV80-7.1 A 8 D	326.5	62.3	45	107050	47	7	5.39	15.5	726	745	2x 2"
MISTRAL-V LV80-7.1 B 8 D	385.0	73.4	29	103500	47	7	5.39	15.5	1525	1185	2x 2 1/2"
MISTRAL-V LV80-7.1 C 8 D	414.0	79.0	20	100300	47	7	5.39	15.5	2033	1345	2x 2 1/2"
MISTRAL-V LV80-8.1 A 8 D	368.5	70.3	21	120100	47	8	6.16	17.8	1104	1170	2x 2 1/2"
MISTRAL-V LV80-8.1 B 8 D	430.0	82.0	13	115350	47	8	6.16	17.8	1657	1350	2x 2 1/2"
MISTRAL-V LV80-8.1 C 8 D	483.5	92.2	68	110950	47	8	6.16	17.8	2209	1530	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V V90

Compact dry coolers

www.kaltra.com

Ø 900 mm
FAN DIAMETER

36,4 ÷ 771,2 kW
CAPACITY @ DT 15K

1 ÷ 8
NUMBER OF FANS

MISTRAL-V V90-1.1

MISTRAL-V V90-2.1

MISTRAL-V V90-3.1

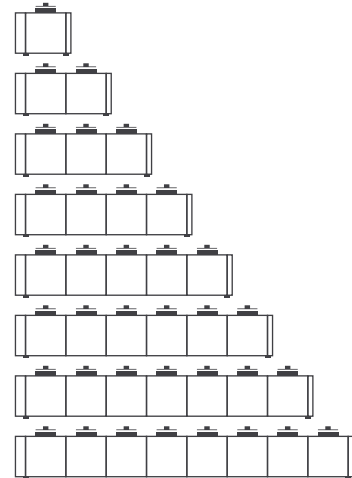
MISTRAL-V V90-4.1

MISTRAL-V V90-5.1

MISTRAL-V V90-6.1

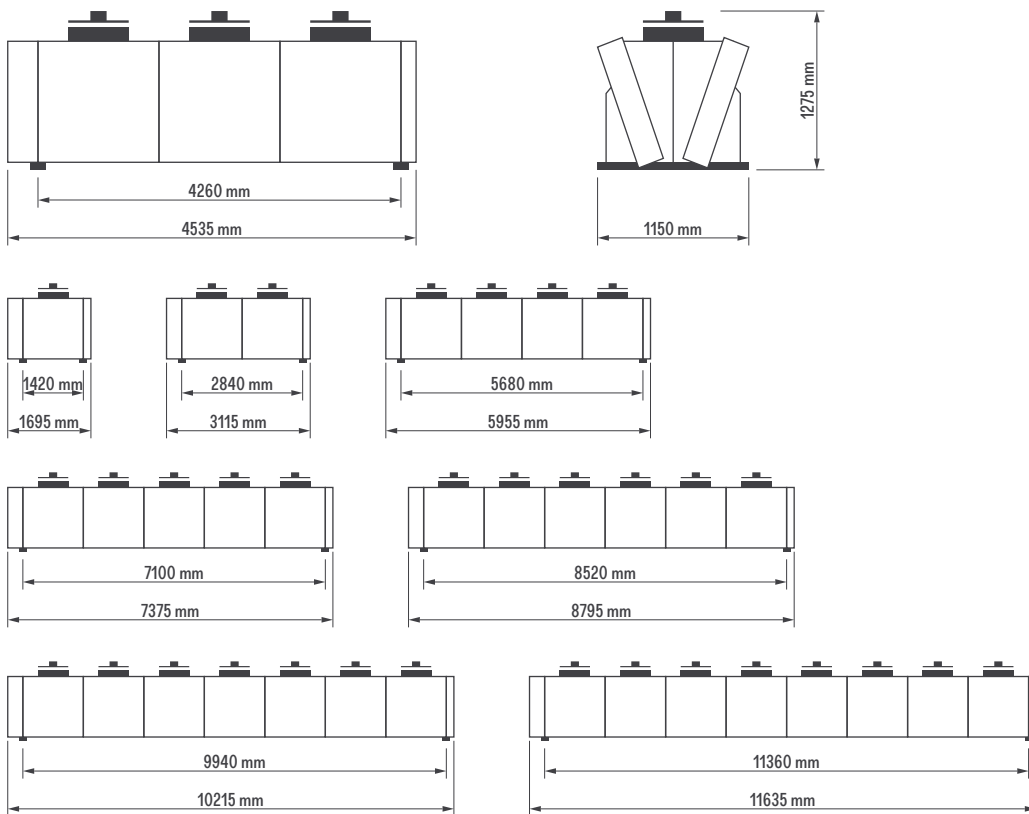
MISTRAL-V V90-7.1

MISTRAL-V V90-8.1



DIMENSIONS

MISTRAL-V V90-1.1/2.1/3.1/4.1/5.1/6.1/7.1/8.1



MODEL CODE

MISTRAL-V - V 90 2.1 A 4D AC

MISTRAL-V	Compact V-shaped dry cooler
-	S = short coil height [not present] = Standard coil height L = Increased coil height
V	V = Dry cooler with single fan row
90	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-V V90

Compact dry coolers

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Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V V90-1.1 B 4 D	82.3	15.7	38	31250	60	1	4.60	7.8	186	190	2x 3/4"
MISTRAL-V V90-1.1 C 4 D	96.7	18.5	60	29750	60	1	4.60	7.8	248	205	2x 3/4"
MISTRAL-V V90-2.1 B 4 D	160.7	30.7	24	62550	63	2	9.20	15.6	371	340	2x 1 1/4"
MISTRAL-V V90-2.1 C 4 D	193.7	37.0	59	59550	63	2	9.20	15.6	495	380	2x 1 1/4"
MISTRAL-V V90-3.1 B 4 D	256.4	48.9	81	93800	65	3	13.80	23.4	557	500	2x 1 1/2"
MISTRAL-V V90-3.1 C 4 D	291.1	55.6	61	89300	65	3	13.80	23.4	743	555	2x 1 1/2"
MISTRAL-V V90-4.1 B 4 D	320.9	61.3	23	125050	66	4	18.40	31.2	743	655	2x 1 1/2"
MISTRAL-V V90-4.1 C 4 D	364.7	69.6	17	119100	66	4	18.40	31.2	990	730	2x 2"
MISTRAL-V V90-5.1 B 4 D	416.8	79.6	45	156350	67	5	23.00	39.0	928	810	2x 2"
MISTRAL-V V90-5.1 C 4 D	473.6	90.4	34	149850	67	5	23.00	39.0	1238	905	2x 2"
MISTRAL-V V90-6.1 B 4 D	497.2	94.9	24	180300	67	6	27.60	46.8	1059	965	2x 2"
MISTRAL-V V90-6.1 C 4 D	557.1	106.3	18	170250	67	6	27.60	46.8	1411	1080	2x 2"
MISTRAL-V V90-7.1 B 4 D	593.2	113.2	39	210350	68	7	32.20	54.6	1235	1120	2x 2 1/2"
MISTRAL-V V90-7.1 C 4 D	664.3	126.8	28	198600	68	7	32.20	54.6	1647	1255	2x 2 1/2"
MISTRAL-V V90-8.1 B 4 D	689.2	131.6	58	240400	68	8	36.80	62.4	1411	1275	2x 2 1/2"
MISTRAL-V V90-8.1 C 4 D	771.2	147.2	42	227000	68	8	36.80	62.4	1882	1430	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V V90-1.1 A 6 D	57.4	11.0	36	26550	52	1	2.26	5.2	124	170	2x 3/4"
MISTRAL-V V90-1.1 B 6 D	74.8	14.3	73	25000	52	1	2.26	5.2	186	190	2x 3/4"
MISTRAL-V V90-1.1 C 6 D	83.9	16.0	71	23650	52	1	2.26	5.2	247	205	2x 3/4"
MISTRAL-V V90-2.1 A 6 D	113.0	21.6	26	53100	55	2	4.52	10.3	247	305	2x 1"
MISTRAL-V V90-2.1 B 6 D	149.4	28.5	66	50000	55	2	4.52	10.3	371	340	2x 1 1/4"
MISTRAL-V V90-2.1 C 6 D	165.5	31.6	44	47250	55	2	4.52	10.3	495	380	2x 1 1/4"
MISTRAL-V V90-3.1 A 6 D	180.6	34.5	89	79650	57	3	6.78	15.5	371	440	2x 1 1/4"
MISTRAL-V V90-3.1 B 6 D	224.0	42.8	64	75000	57	3	6.78	15.5	557	500	2x 1 1/2"
MISTRAL-V V90-3.1 C 6 D	248.9	47.5	46	70900	57	3	6.78	15.5	743	555	2x 1 1/2"
MISTRAL-V V90-4.1 A 6 D	225.7	43.1	25	106200	58	4	9.04	20.6	495	575	2x 1 1/2"
MISTRAL-V V90-4.1 B 6 D	280.2	53.5	18	100000	58	4	9.04	20.6	743	655	2x 1 1/2"
MISTRAL-V V90-4.1 C 6 D	311.7	59.5	13	94500	58	4	9.04	20.6	990	730	2x 2"
MISTRAL-V V90-5.1 A 6 D	293.4	56.0	50	132750	59	5	11.30	25.8	619	715	2x 1 1/2"
MISTRAL-V V90-5.1 B 6 D	364.1	69.5	36	125000	59	5	11.30	25.8	928	810	2x 2"
MISTRAL-V V90-5.1 C 6 D	404.9	77.3	26	118150	59	5	11.30	25.8	1238	905	2x 2"
MISTRAL-V V90-6.1 A 6 D	352.3	67.3	27	154150	59	6	13.56	30.9	706	850	2x 1 1/2"
MISTRAL-V V90-6.1 B 6 D	429.8	82.0	19	143350	59	6	13.56	30.9	1059	965	2x 2"
MISTRAL-V V90-6.1 C 6 D	470.3	89.8	13	134050	59	6	13.56	30.9	1411	1080	2x 2"
MISTRAL-V V90-7.1 A 6 D	420.6	80.3	43	179850	60	7	15.82	36.1	823	985	2x 2"
MISTRAL-V V90-7.1 B 6 D	512.8	97.9	30	167200	60	7	15.82	36.1	1235	1120	2x 2 1/2"
MISTRAL-V V90-7.1 C 6 D	560.8	107.0	21	156400	60	7	15.82	36.1	1647	1255	2x 2 1/2"
MISTRAL-V V90-8.1 A 6 D	488.8	93.3	64	205550	60	8	18.08	41.2	941	1120	2x 2"
MISTRAL-V V90-8.1 B 6 D	595.6	113.7	45	191100	60	8	18.08	41.2	1411	1275	2x 2 1/2"
MISTRAL-V V90-8.1 C 6 D	651.0	124.3	31	178750	60	8	18.08	41.2	1882	1430	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V V90

Compact dry coolers

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Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V V90-1.1 A 8 D	47.4	9.1	51	17700	41	1	0.83	2.3	124	170	2x 3/4"
MISTRAL-V V90-1.1 B 8 D	58.0	11.1	67	16700	41	1	0.83	2.3	186	190	2x 3/4"
MISTRAL-V V90-1.1 C 8 D	62.6	11.9	43	15850	41	1	0.83	2.3	247	205	2x 3/4"
MISTRAL-V V90-2.1 A 8 D	95.3	18.2	53	35400	44	2	1.66	4.5	247	305	2x 1"
MISTRAL-V V90-2.1 B 8 D	114.5	21.9	41	33400	44	2	1.66	4.5	371	340	2x 1 1/4"
MISTRAL-V V90-2.1 C 8 D	127.0	24.2	67	31700	44	2	1.66	4.5	495	380	2x 1 1/4"
MISTRAL-V V90-3.1 A 8 D	143.7	27.4	60	53100	46	3	2.49	6.8	371	440	2x 1 1/4"
MISTRAL-V V90-3.1 B 8 D	171.7	32.8	40	50100	46	3	2.49	6.8	557	500	2x 1 1/2"
MISTRAL-V V90-3.1 C 8 D	185.5	35.4	28	47500	46	3	2.49	6.8	743	555	2x 1 1/2"
MISTRAL-V V90-4.1 A 8 D	179.5	34.3	17	70800	47	4	3.32	9.1	495	575	2x 1 1/2"
MISTRAL-V V90-4.1 B 8 D	214.6	41.0	11	66800	47	4	3.32	9.1	743	655	2x 1 1/2"
MISTRAL-V V90-4.1 C 8 D	253.9	48.4	63	63400	47	4	3.32	9.1	990	730	2x 2"
MISTRAL-V V90-5.1 A 8 D	233.5	44.6	33	88500	48	5	4.15	11.4	619	715	2x 1 1/2"
MISTRAL-V V90-5.1 B 8 D	279.2	53.3	22	83500	48	5	4.15	11.4	928	810	2x 2"
MISTRAL-V V90-5.1 C 8 D	301.8	57.6	15	79250	48	5	4.15	11.4	1238	905	2x 2"
MISTRAL-V V90-6.1 A 8 D	277.5	53.0	18	102900	48	6	4.98	13.6	706	850	2x 1 1/2"
MISTRAL-V V90-6.1 B 8 D	351.3	67.0	91	95950	48	6	4.98	13.6	1059	965	2x 2"
MISTRAL-V V90-6.1 C 8 D	372.7	71.1	61	90150	48	6	4.98	13.6	1411	1080	2x 2"
MISTRAL-V V90-7.1 A 8 D	331.3	63.2	28	120050	49	7	5.81	15.9	823	985	2x 2"
MISTRAL-V V90-7.1 B 8 D	389.4	74.3	18	111950	49	7	5.81	15.9	1235	1120	2x 2 1/2"
MISTRAL-V V90-7.1 C 8 D	414.5	79.1	12	105200	49	7	5.81	15.9	1647	1255	2x 2 1/2"
MISTRAL-V V90-8.1 A 8 D	385.0	73.5	42	137200	49	8	6.64	18.2	941	1120	2x 2"
MISTRAL-V V90-8.1 B 8 D	452.2	86.3	27	127950	49	8	6.64	18.2	1411	1275	2x 2 1/2"
MISTRAL-V V90-8.1 C 8 D	481.0	91.7	18	120200	49	8	6.64	18.2	1882	1430	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V V90-1.1 A 12 D	36.4	7.0	56	11250	30	1	0.28	0.8	124	170	2x 3/4"
MISTRAL-V V90-1.1 B 12 D	45.2	8.1	83	10600	30	1	0.28	0.8	186	190	2x 3/4"
MISTRAL-V V90-1.1 C 12 D	43.8	8.4	46	9950	30	1	0.28	0.8	247	205	2x 3/4"
MISTRAL-V V90-2.1 A 12 D	72.8	13.9	51	22450	33	2	0.56	1.7	247	305	2x 1"
MISTRAL-V V90-2.1 B 12 D	83.2	15.9	35	21150	33	2	0.56	1.7	371	340	2x 1 1/4"
MISTRAL-V V90-2.1 C 12 D	87.7	16.7	46	19900	33	2	0.56	1.7	495	380	2x 1 1/4"
MISTRAL-V V90-3.1 A 12 D	107.9	20.6	36	33700	35	3	0.84	2.5	371	440	2x 1 1/4"
MISTRAL-V V90-3.1 B 12 D	127.3	24.3	73	31750	35	3	0.84	2.5	557	500	2x 1 1/2"
MISTRAL-V V90-3.1 C 12 D	131.5	25.1	47	29850	35	3	0.84	2.5	743	555	2x 1 1/2"
MISTRAL-V V90-4.1 A 12 D	148.0	28.3	83	44950	36	4	1.12	3.3	495	575	2x 1 1/2"
MISTRAL-V V90-4.1 B 12 D	168.3	32.1	51	42300	36	4	1.12	3.3	743	655	2x 1 1/2"
MISTRAL-V V90-4.1 C 12 D	174.0	33.2	32	39800	36	4	1.12	3.3	990	730	2x 2"
MISTRAL-V V90-5.1 A 12 D	175.3	33.5	20	56150	37	5	1.40	4.2	619	715	2x 1 1/2"
MISTRAL-V V90-5.1 B 12 D	199.7	38.1	12	52900	37	5	1.40	4.2	928	810	2x 2"
MISTRAL-V V90-5.1 C 12 D	220.5	42.1	61	49750	37	5	1.40	4.2	1238	905	2x 2"
MISTRAL-V V90-6.1 A 12 D	222.0	42.4	83	65100	37	6	1.68	5.0	706	850	2x 1 1/2"
MISTRAL-V V90-6.1 B 12 D	247.1	47.1	49	60350	37	6	1.68	5.0	1059	965	2x 2"
MISTRAL-V V90-6.1 C 12 D	251.0	47.9	30	56100	37	6	1.68	5.0	1411	1080	2x 2"
MISTRAL-V V90-7.1 A 12 D	245.6	46.9	17	75950	38	7	1.96	5.8	823	985	2x 2"
MISTRAL-V V90-7.1 B 12 D	290.8	55.5	76	70400	38	7	1.96	5.8	1235	1120	2x 2 1/2"
MISTRAL-V V90-7.1 C 12 D	295.0	56.3	47	65450	38	7	1.96	5.8	1647	1255	2x 2 1/2"
MISTRAL-V V90-8.1 A 12 D	285.3	54.5	25	86800	38	8	2.24	6.6	941	1120	2x 2"
MISTRAL-V V90-8.1 B 12 D	318.5	60.8	15	80450	38	8	2.24	6.6	1411	1275	2x 2 1/2"
MISTRAL-V V90-8.1 C 12 D	339.0	64.7	68	74800	38	8	2.24	6.6	1882	1430	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V LV90

Compact dry coolers

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Ø 900 mm

FAN DIAMETER

39,2 ÷ 828,3 kW

CAPACITY @ DT 15K

1 ÷ 8

NUMBER OF FANS

MISTRAL-V LV90-1.1

MISTRAL-V LV90-2.1

MISTRAL-V LV90-3.1

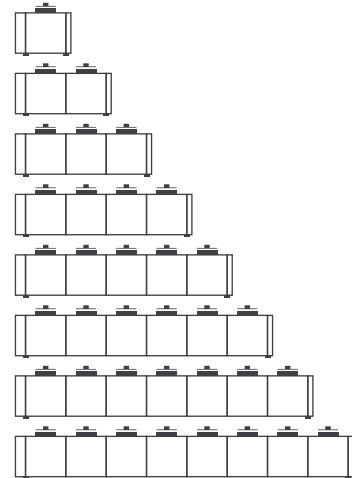
MISTRAL-V LV90-4.1

MISTRAL-V LV90-5.1

MISTRAL-V LV90-6.1

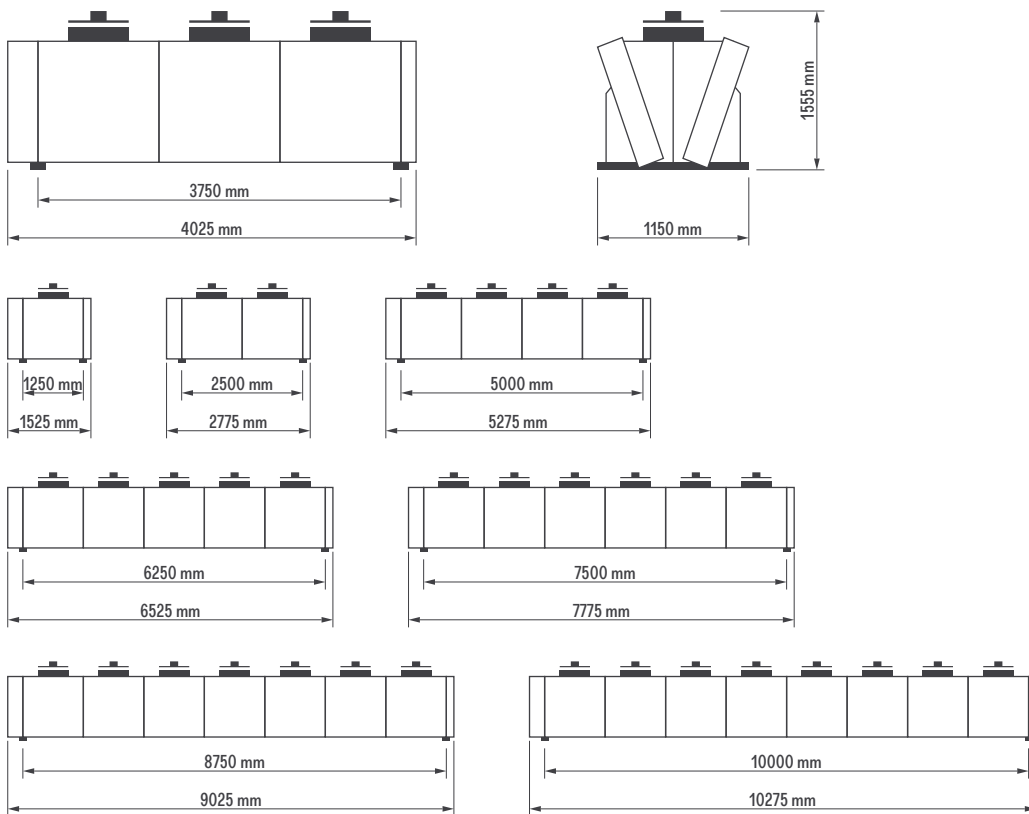
MISTRAL-V LV90-7.1

MISTRAL-V LV90-8.1



DIMENSIONS

MISTRAL-V LV90-1.1/2.1/3.1/4.1/5.1/6.1/7.1/8.1



MODEL CODE

MISTRAL-V L V 90 21 A 4D AC

MISTRAL-V	Compact V-shaped dry cooler	2.1	Number of fans per row * number of fan rows
-	S = short coil height [not present] = Standard coil height L = Increased coil height	A	A/B/C = Heat exchanger type
V	V = Dry cooler with single fan row	4D	Motor poles and motor type (D/V/S)
90	Fan diameter in dm	AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-V LV90

Compact dry coolers

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Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V LV90-1.1 B 4 D	93.1	17.8	77	33450	60	1	4.60	7.8	218	205	2x 3/4"
MISTRAL-V LV90-1.1 C 4 D	105.3	20.1	57	31200	60	1	4.60	7.8	290	230	2x 1"
MISTRAL-V LV90-2.1 B 4 D	179.2	34.2	31	64900	63	2	9.20	15.6	436	370	2x 1 1/4"
MISTRAL-V LV90-2.1 C 4 D	203.2	38.8	24	62400	63	2	9.20	15.6	581	415	2x 1 1/4"
MISTRAL-V LV90-3.1 B 4 D	275.2	52.5	49	97350	65	3	13.80	23.4	654	535	2x 1 1/2"
MISTRAL-V LV90-3.1 C 4 D	311.8	59.5	37	93550	65	3	13.80	23.4	872	600	2x 1 1/2"
MISTRAL-V LV90-4.1 B 4 D	340.1	64.9	13	129800	66	4	18.40	31.2	872	695	2x 1 1/2"
MISTRAL-V LV90-4.1 C 4 D	429.3	82.0	85	124750	66	4	18.40	31.2	1162	785	2x 2"
MISTRAL-V LV90-5.1 B 4 D	445.4	85.0	27	162250	67	5	23.00	39.0	1089	860	2x 2"
MISTRAL-V LV90-5.1 C 4 D	504.9	96.4	20	155950	67	5	23.00	39.0	1452	975	2x 2"
MISTRAL-V LV90-6.1 B 4 D	549.9	104.9	47	194700	67	6	27.60	46.8	1307	1025	2x 2"
MISTRAL-V LV90-6.1 C 4 D	623.0	118.9	35	187150	67	6	27.60	46.8	1743	1160	2x 2 1/2"
MISTRAL-V LV90-7.1 B 4 D	654.2	124.9	74	227150	68	7	32.20	54.6	1525	1185	2x 2 1/2"
MISTRAL-V LV90-7.1 C 4 D	740.7	141.3	56	218350	68	7	32.20	54.6	2033	1345	2x 2 1/2"
MISTRAL-V LV90-8.1 B 4 D	741.0	141.5	35	251450	68	8	36.80	62.4	1657	1350	2x 2 1/2"
MISTRAL-V LV90-8.1 C 4 D	828.3	158.1	25	239700	68	8	36.80	62.4	2209	1530	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V LV90-1.1 A 6 D	62.8	12.0	35	27400	52	1	2.26	5.2	145	185	2x 3/4"
MISTRAL-V LV90-1.1 B 6 D	81.2	15.5	61	26100	52	1	2.26	5.2	218	205	2x 3/4"
MISTRAL-V LV90-1.1 C 6 D	90.0	17.2	43	24900	52	1	2.26	5.2	291	230	2x 1"
MISTRAL-V LV90-2.1 A 6 D	126.5	24.2	35	54750	55	2	4.52	10.3	291	325	2x 1"
MISTRAL-V LV90-2.1 B 6 D	156.3	29.8	24	52200	55	2	4.52	10.3	436	370	2x 1 1/4"
MISTRAL-V LV90-2.1 C 6 D	183.5	35.0	68	49850	55	2	4.52	10.3	581	415	2x 1 1/4"
MISTRAL-V LV90-3.1 A 6 D	194.3	37.1	54	82100	57	3	6.78	15.5	436	465	2x 1 1/4"
MISTRAL-V LV90-3.1 B 6 D	240.2	45.9	38	78250	57	3	6.78	15.5	654	535	2x 1 1/2"
MISTRAL-V LV90-3.1 C 6 D	266.5	50.9	28	74750	57	3	6.78	15.5	872	600	2x 1 1/2"
MISTRAL-V LV90-4.1 A 6 D	239.9	45.8	15	109500	58	4	9.04	20.6	581	605	2x 1 1/2"
MISTRAL-V LV90-4.1 B 6 D	296.5	56.6	11	104350	58	4	9.04	20.6	872	695	2x 1 1/2"
MISTRAL-V LV90-4.1 C 6 D	366.8	70.0	64	99650	58	4	9.04	20.6	1162	785	2x 2"
MISTRAL-V LV90-5.1 A 6 D	314.3	60.0	30	136900	59	5	11.30	25.8	726	745	2x 2"
MISTRAL-V LV90-5.1 B 6 D	388.6	74.2	21	130450	59	5	11.30	25.8	1089	860	2x 2"
MISTRAL-V LV90-5.1 C 6 D	431.5	82.3	15	124550	59	5	11.30	25.8	1452	975	2x 2"
MISTRAL-V LV90-6.1 A 6 D	388.2	74.1	52	164250	59	6	13.56	30.9	872	890	2x 2"
MISTRAL-V LV90-6.1 B 6 D	479.9	91.6	37	156550	59	6	13.56	30.9	1307	1025	2x 2"
MISTRAL-V LV90-6.1 C 6 D	532.6	101.7	27	149500	59	6	13.56	30.9	1743	1160	2x 2 1/2"
MISTRAL-V LV90-7.1 A 6 D	462.0	88.2	82	191600	60	7	15.82	36.1	1017	1030	2x 2"
MISTRAL-V LV90-7.1 B 6 D	570.7	108.9	58	182650	60	7	15.82	36.1	1525	1185	2x 2 1/2"
MISTRAL-V LV90-7.1 C 6 D	633.0	120.8	42	174400	60	7	15.82	36.1	2033	1345	2x 2 1/2"
MISTRAL-V LV90-8.1 A 6 D	526.3	100.5	39	213300	60	8	18.08	41.2	1104	1170	2x 2 1/2"
MISTRAL-V LV90-8.1 B 6 D	640.3	122.2	27	201050	60	8	18.08	41.2	1657	1350	2x 2 1/2"
MISTRAL-V LV90-8.1 C 6 D	700.7	133.7	19	190350	60	8	18.08	41.2	2209	1530	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V LV90

Compact dry coolers

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Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V LV90-1.1 A 8 D	51.6	9.9	54	18200	41	1	0.83	2.3	145	185	2x 3/4"
MISTRAL-V LV90-1.1 B 8 D	62.9	12.0	65	17400	41	1	0.83	2.3	218	205	2x 3/4"
MISTRAL-V LV90-1.1 C 8 D	68.9	13.1	85	16650	41	1	0.83	2.3	291	230	2x 3/4"
MISTRAL-V LV90-2.1 A 8 D	105.7	20.2	88	36400	44	2	1.66	4.5	291	325	2x 1"
MISTRAL-V LV90-2.1 B 8 D	125.7	24.0	58	34800	44	2	1.66	4.5	436	370	2x 1 1/4"
MISTRAL-V LV90-2.1 C 8 D	135.4	25.8	40	33300	44	2	1.66	4.5	581	415	2x 1 1/4"
MISTRAL-V LV90-3.1 A 8 D	153.2	29.2	36	54600	46	3	2.49	6.8	436	465	2x 1 1/4"
MISTRAL-V LV90-3.1 B 8 D	188.5	36.0	56	52200	46	3	2.49	6.8	654	535	2x 1 1/2"
MISTRAL-V LV90-3.1 C 8 D	202.8	38.7	38	50000	46	3	2.49	6.8	872	600	2x 1 1/2"
MISTRAL-V LV90-4.1 A 8 D	211.3	40.3	83	72850	47	4	3.32	9.1	581	605	2x 1 1/2"
MISTRAL-V LV90-4.1 B 8 D	251.2	47.9	55	69600	47	4	3.32	9.1	872	695	2x 1 1/2"
MISTRAL-V LV90-4.1 C 8 D	270.6	51.6	38	66650	47	4	3.32	9.1	1162	785	2x 2"
MISTRAL-V LV90-5.1 A 8 D	247.7	47.3	20	91050	48	5	4.15	11.4	726	745	2x 1 1/2"
MISTRAL-V LV90-5.1 B 8 D	295.0	56.3	13	87000	48	5	4.15	11.4	1089	860	2x 2"
MISTRAL-V LV90-5.1 C 8 D	343.9	65.6	71	83300	48	5	4.15	11.4	1452	975	2x 2"
MISTRAL-V LV90-6.1 A 8 D	306.1	58.4	34	109250	48	6	4.98	13.6	872	890	2x 1 1/2"
MISTRAL-V LV90-6.1 B 8 D	364.5	69.6	23	104400	48	6	4.98	13.6	1307	1025	2x 2"
MISTRAL-V LV90-6.1 C 8 D	393.1	75.0	16	99950	48	6	4.98	13.6	1743	1160	2x 2"
MISTRAL-V LV90-7.1 A 8 D	364.3	69.5	54	127450	49	7	5.81	15.9	1017	1030	2x 2"
MISTRAL-V LV90-7.1 B 8 D	433.5	82.7	36	121800	49	7	5.81	15.9	1525	1185	2x 2 1/2"
MISTRAL-V LV90-7.1 C 8 D	467.2	89.1	25	116600	49	7	5.81	15.9	2033	1345	2x 2 1/2"
MISTRAL-V LV90-8.1 A 8 D	411.2	78.5	25	142150	49	8	6.64	18.2	1104	1170	2x 2"
MISTRAL-V LV90-8.1 B 8 D	482.3	92.1	16	134400	49	8	6.64	18.2	1657	1350	2x 2 1/2"
MISTRAL-V LV90-8.1 C 8 D	542.7	103.5	83	127650	49	8	6.64	18.2	2209	1530	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V LV90-1.1 A 12 D	39.2	7.5	55	11550	30	1	0.28	0.8	145	185	2x 3/4"
MISTRAL-V LV90-1.1 B 12 D	45.4	8.7	68	11050	30	1	0.28	0.8	218	205	2x 3/4"
MISTRAL-V LV90-1.1 C 12 D	47.1	9.0	43	10500	30	1	0.28	0.8	291	230	2x 3/4"
MISTRAL-V LV90-2.1 A 12 D	78.6	15.0	52	23100	33	2	0.56	1.7	291	325	2x 1"
MISTRAL-V LV90-2.1 B 12 D	90.8	17.3	61	22100	33	2	0.56	1.7	436	370	2x 1 1/4"
MISTRAL-V LV90-2.1 C 12 D	94.2	18.0	43	21050	33	2	0.56	1.7	581	415	2x 1 1/4"
MISTRAL-V LV90-3.1 A 12 D	117.8	22.5	50	34700	35	3	0.84	2.5	436	465	2x 1 1/4"
MISTRAL-V LV90-3.1 B 12 D	133.8	25.5	31	33150	35	3	0.84	2.5	654	535	2x 1 1/2"
MISTRAL-V LV90-3.1 C 12 D	141.2	26.9	40	31550	35	3	0.84	2.5	872	600	2x 1 1/2"
MISTRAL-V LV90-4.1 A 12 D	157.1	30.0	49	46250	36	4	1.12	3.3	581	605	2x 1 1/2"
MISTRAL-V LV90-4.1 B 12 D	178.3	34.0	30	44150	36	4	1.12	3.3	872	695	2x 1 1/2"
MISTRAL-V LV90-4.1 C 12 D	188.3	35.9	40	42100	36	4	1.12	3.3	1162	785	2x 2"
MISTRAL-V LV90-5.1 A 12 D	183.9	35.1	12	57800	37	5	1.40	4.2	726	745	2x 1 1/2"
MISTRAL-V LV90-5.1 B 12 D	226.8	43.3	57	55200	37	5	1.40	4.2	1089	860	2x 2"
MISTRAL-V LV90-5.1 C 12 D	235.0	44.8	36	52600	37	5	1.40	4.2	1452	975	2x 2"
MISTRAL-V LV90-6.1 A 12 D	227.6	43.4	20	69400	37	6	1.68	5.0	872	890	2x 1 1/2"
MISTRAL-V LV90-6.1 B 12 D	258.6	49.3	12	66250	37	6	1.68	5.0	1307	1025	2x 2"
MISTRAL-V LV90-6.1 C 12 D	284.7	54.3	61	63150	37	6	1.68	5.0	1743	1160	2x 2"
MISTRAL-V LV90-7.1 A 12 D	270.9	51.7	32	80950	38	7	1.96	5.8	1017	1030	2x 2"
MISTRAL-V LV90-7.1 B 12 D	307.7	58.7	20	77300	38	7	1.96	5.8	1525	1185	2x 2 1/2"
MISTRAL-V LV90-7.1 C 12 D	319.5	61.0	13	73650	38	7	1.96	5.8	2033	1345	2x 2 1/2"
MISTRAL-V LV90-8.1 A 12 D	303.0	57.8	15	90300	38	8	2.24	6.6	1104	1170	2x 2"
MISTRAL-V LV90-8.1 B 12 D	358.6	68.4	67	85050	38	8	2.24	6.6	1657	1350	2x 2 1/2"
MISTRAL-V LV90-8.1 C 12 D	366.1	69.8	42	80250	38	8	2.24	6.6	2209	1530	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V V100

Compact dry coolers

www.kaltra.com

Ø 1000 mm
FAN DIAMETER

49,5 ÷ 691,2 kW
CAPACITY @ DT 15K

1 ÷ 8
NUMBER OF FANS

MISTRAL-V V100-1.1

MISTRAL-V V100-2.1

MISTRAL-V V100-3.1

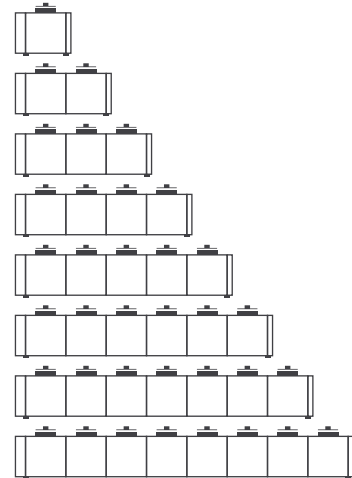
MISTRAL-V V100-4.1

MISTRAL-V V100-5.1

MISTRAL-V V100-6.1

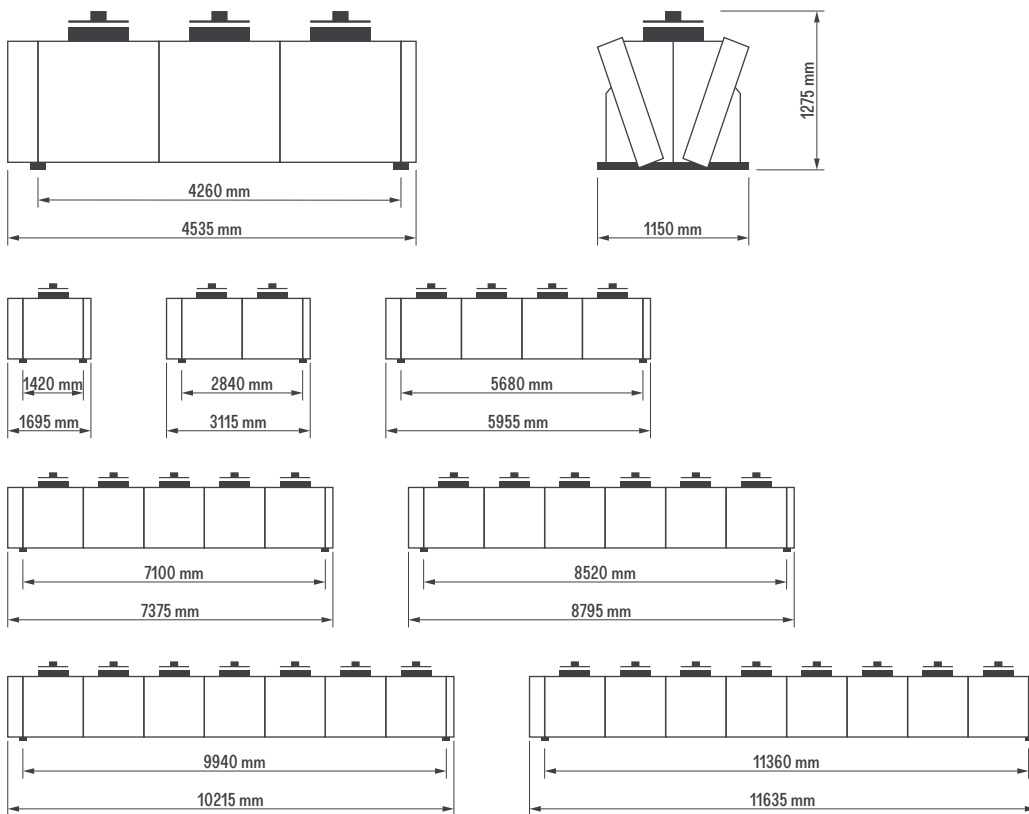
MISTRAL-V V100-7.1

MISTRAL-V V100-8.1



DIMENSIONS

MISTRAL-V V100-1.1/2.1/3.1/4.1/5.1/6.1/7.1/8.1



MODEL CODE

MISTRAL-V - V 100 2.1 A 4D AC

MISTRAL-V	Compact V-shaped dry cooler
-	S = short coil height [not present] = Standard coil height L = Increased coil height
V	V = Dry cooler with single fan row
100	Fan diameter in dm

2.1	Number of fans per row * number of fan rows
A	A/B/C = Heat exchanger type
4D	Motor poles and motor type (D/V/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-V V100

Compact dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V V100-1.1 A 6 D	60.2	11.5	40	29100	53	1	2.48	5.6	124	170	2x 3/4"
MISTRAL-V V100-1.1 B 6 D	78.4	15.0	66	27300	53	1	2.48	5.6	186	190	2x 3/4"
MISTRAL-V V100-1.1 C 6 D	87.7	16.7	51	25750	53	1	2.48	5.6	247	205	2x 3/4"
MISTRAL-V V100-2.1 A 6 D	118.6	22.6	29	58200	56	2	4.96	11.3	247	305	2x 1"
MISTRAL-V V100-2.1 B 6 D	157.8	30.1	73	54650	56	2	4.96	11.3	371	340	2x 1 1/4"
MISTRAL-V V100-2.1 C 6 D	175.7	33.5	49	51500	56	2	4.96	11.3	495	380	2x 1 1/4"
MISTRAL-V V100-3.1 A 6 D	165.2	31.5	11	87250	58	3	7.44	16.9	371	440	2x 1 1/4"
MISTRAL-V V100-3.1 B 6 D	236.6	45.2	70	81950	58	3	7.44	16.9	557	500	2x 1 1/2"
MISTRAL-V V100-3.1 C 6 D	264.2	50.4	51	77300	58	3	7.44	16.9	743	555	2x 1 1/2"
MISTRAL-V V100-4.1 A 6 D	236.8	45.2	27	116350	59	4	9.92	22.5	495	575	2x 1 1/2"
MISTRAL-V V100-4.1 B 6 D	296.0	56.5	20	109250	59	4	9.92	22.5	743	655	2x 1 1/2"
MISTRAL-V V100-4.1 C 6 D	330.9	63.1	14	103050	59	4	9.92	22.5	990	730	2x 2"
MISTRAL-V V100-5.1 A 6 D	307.8	58.8	54	145450	60	5	12.40	28.2	619	715	2x 1 1/2"
MISTRAL-V V100-5.1 B 6 D	384.6	73.4	39	136600	60	5	12.40	28.2	928	810	2x 2"
MISTRAL-V V100-5.1 C 6 D	429.8	82.0	29	128800	60	5	12.40	28.2	1238	905	2x 2"
MISTRAL-V V100-6.1 A 6 D	370.5	70.7	30	168750	60	6	14.88	33.8	706	850	2x 1 1/2"
MISTRAL-V V100-6.1 B 6 D	454.4	86.7	21	156250	60	6	14.88	33.8	1059	965	2x 2"
MISTRAL-V V100-6.1 C 6 D	499.4	95.3	15	145650	60	6	14.88	33.8	1411	1080	2x 2"
MISTRAL-V V100-7.1 A 6 D	442.2	84.4	47	196850	61	7	17.36	39.4	823	985	2x 2"
MISTRAL-V V100-7.1 B 6 D	542.2	103.5	33	182250	61	7	17.36	39.4	1235	1120	2x 2 1/2"
MISTRAL-V V100-7.1 C 6 D	595.5	113.7	23	169950	61	7	17.36	39.4	1647	1255	2x 2 1/2"
MISTRAL-V V100-8.1 A 6 D	514.0	98.1	70	225000	60	8	19.84	45.0	941	1120	2x 2"
MISTRAL-V V100-8.1 B 6 D	629.8	120.2	49	208300	60	8	19.84	45.0	1411	1275	2x 2 1/2"
MISTRAL-V V100-8.1 C 6 D	691.2	131.9	35	194200	60	8	19.84	45.0	1882	1430	2x 3"

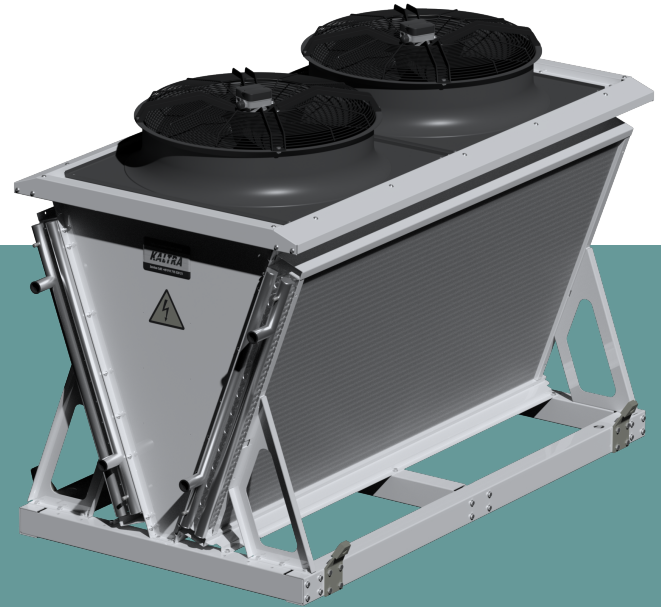
T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-V V100-1.1 A 8 D	49.5	9.4	55	19000	46	1	0.96	2.3	124	170	2x 3/4"
MISTRAL-V V100-1.1 B 8 D	60.7	11.6	73	17800	46	1	0.96	2.3	186	190	2x 3/4"
MISTRAL-V V100-1.1 C 8 D	65.6	12.5	47	16850	46	1	0.96	2.3	247	205	2x 3/4"
MISTRAL-V V100-2.1 A 8 D	99.3	19.0	57	38000	49	2	1.92	4.6	247	305	2x 1"
MISTRAL-V V100-2.1 B 8 D	119.8	22.9	45	35650	49	2	1.92	4.6	371	340	2x 1 1/4"
MISTRAL-V V100-2.1 C 8 D	133.0	25.4	72	33650	49	2	1.92	4.6	495	380	2x 1 1/4"
MISTRAL-V V100-3.1 A 8 D	148.9	28.6	64	57000	51	3	2.88	6.8	371	440	2x 1 1/4"
MISTRAL-V V100-3.1 B 8 D	179.6	34.3	43	53450	51	3	2.88	6.8	557	500	2x 1 1/2"
MISTRAL-V V100-3.1 C 8 D	194.2	37.1	30	50500	51	3	2.88	6.8	743	555	2x 1 1/2"
MISTRAL-V V100-4.1 A 8 D	187.2	35.7	18	76000	52	4	3.84	9.1	495	575	2x 1 1/2"
MISTRAL-V V100-4.1 B 8 D	224.5	42.8	12	71250	52	4	3.84	9.1	743	655	2x 1 1/2"
MISTRAL-V V100-4.1 C 8 D	265.9	50.7	69	67350	52	4	3.84	9.1	990	730	2x 2"
MISTRAL-V V100-5.1 A 8 D	243.4	46.5	36	94950	53	5	4.80	11.4	619	715	2x 1 1/2"
MISTRAL-V V100-5.1 B 8 D	292.0	55.7	24	89100	53	5	4.80	11.4	928	810	2x 2"
MISTRAL-V V100-5.1 C 8 D	316.0	60.3	17	84150	53	5	4.80	11.4	1238	905	2x 2"
MISTRAL-V V100-6.1 A 8 D	289.2	55.2	19	110050	53	6	5.76	13.7	706	850	2x 1 1/2"
MISTRAL-V V100-6.1 B 8 D	341.1	65.1	13	102050	53	6	5.76	13.7	1059	965	2x 2"
MISTRAL-V V100-6.1 C 8 D	389.8	74.4	66	95400	53	6	5.76	13.7	1411	1080	2x 2"
MISTRAL-V V100-7.1 A 8 D	345.3	65.9	30	128400	54	7	6.72	16.0	823	985	2x 2"
MISTRAL-V V100-7.1 B 8 D	406.9	77.7	20	119050	54	7	6.72	16.0	1235	1120	2x 2 1/2"
MISTRAL-V V100-7.1 C 8 D	433.4	82.7	13	111300	54	7	6.72	16.0	1647	1255	2x 2 1/2"
MISTRAL-V V100-8.1 A 8 D	401.2	76.6	45	146750	54	8	7.68	18.2	941	1120	2x 2"
MISTRAL-V V100-8.1 B 8 D	472.6	90.2	30	136050	54	8	7.68	18.2	1411	1275	2x 2 1/2"
MISTRAL-V V100-8.1 C 8 D	503.0	95.9	20	127200	54	8	7.68	18.2	1882	1430	2x 3"

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-V

Compact dry coolers



SELECTION GUIDE

June 2020

KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151

MISTRAL-W

High-performance dry coolers

Heat rejection: 150÷2000kW



SELECTION GUIDE

November 2020

www.kaltra.com

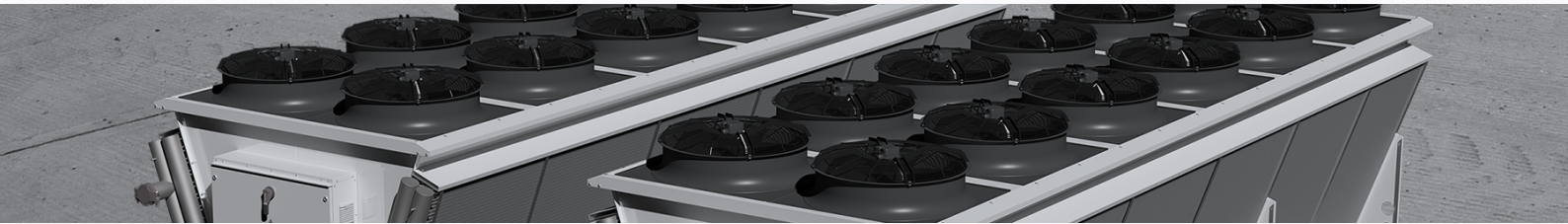
KALTRA

MISTRAL-W

High-performance dry coolers

Expertly engineered, reliable and efficient dry coolers for refrigeration, air conditioning, and process cooling applications. The range includes 480 models in V-shaped design, with the capacity range from 150 to 2000 kilowatts. The machines offer easy installation, low maintenance costs, and long service life.

- High-performance finned tube heat exchangers with inner-grooved copper tubes
- Efficient fans driven by AC-/EC-motors optimized for low energy consumption
- Low-noise packages for quiet operation



Features and optional

Mistral-W series dry coolers available with plenty of options and accessories to meet customer's installation requirements, suit different environmental conditions and efficiency demands.



DESIGNED FOR WATER, GLYCOLS,
OILS AND SPECIAL FLUIDS



EVAPORATIVE PRE-COOLING OR
WATER SPRAY SYSTEMS



INTELLIGENT FAN SPEED
CONTROL



EVAPORATING WATER RECIRCULATION,
PUMPING, AND TOP-UP



LEADING ENERGY EFFICIENCIES
IN APPLICATIONS



HEAT EXCHANGER COATINGS
FOR CORROSION PROTECTION



EXACT FLUID TEMPERATURE
CONTROL



ROBUST DESIGN FOR LONG
SERVICE LIFE

MISTRAL-W

High-performance dry coolers

Axial fans

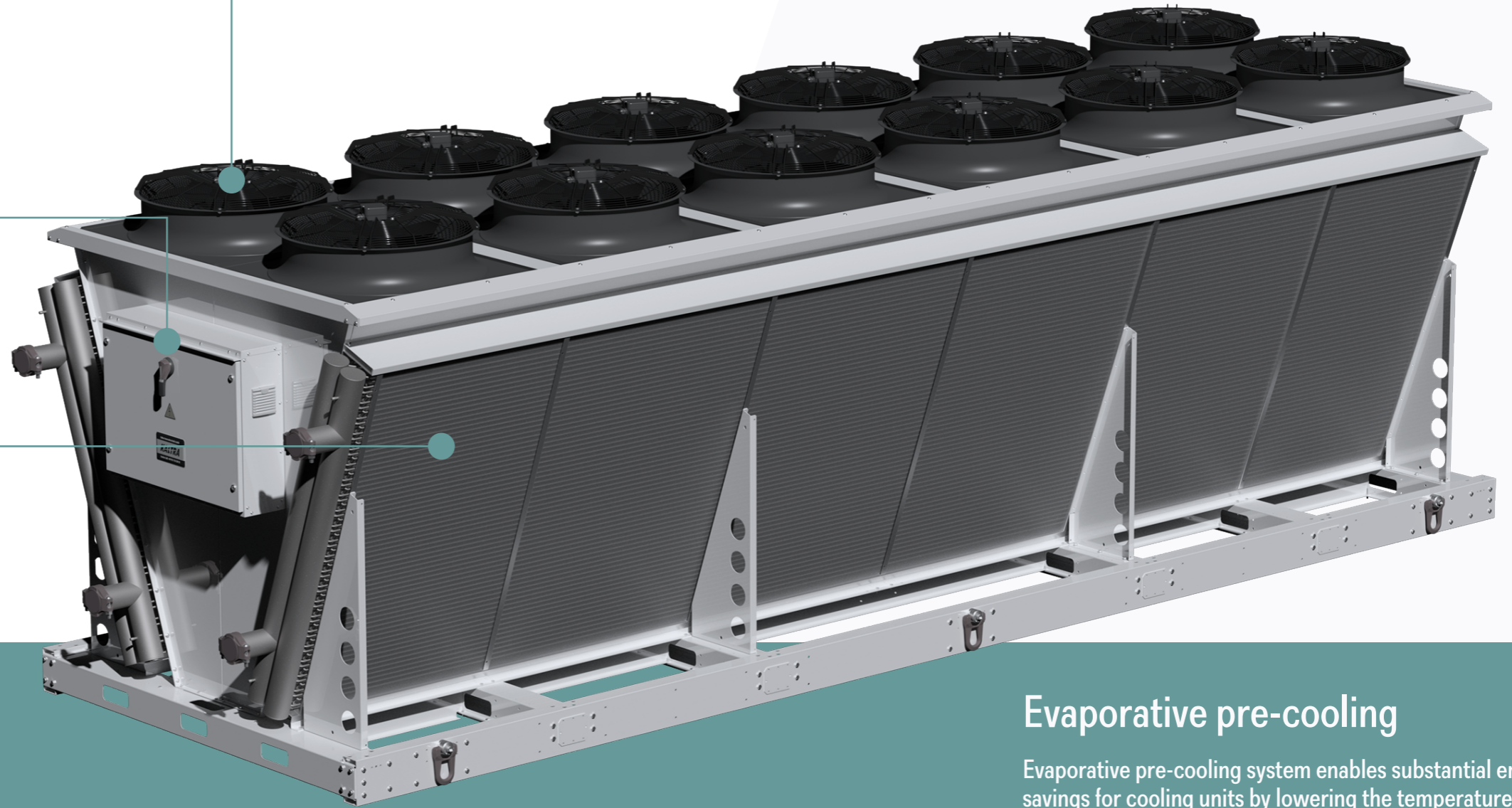
Available fans are axial AC-driven or EC-driven with Modbus control and optional diffusers to reduce noise emissions. Our intelligent fan system also contributes to the lowest energy consumption.

Fan speed control

For precise thermal management, Mistral-W dry coolers can be supplied with integrated fan speed control for both AC- and EC-driven fans, pre-wired and installed in a weatherproof enclosure.

Heat exchangers

Mistral-W design incorporates optimized copper tube and aluminum fins heat exchangers with various protective coatings, including epoxy coating. Optionally, we offer heat exchangers with stainless steel tubes.



Quickspecs

CAPACITY @ DT 15 K EG 35%	150 ÷ 2000 kW
UNIT LENGTH	< 12500 mm
HEAT EXCHANGERS	FINNED TUBE
TUBE MATERIAL	COPPER / STAINLESS STEEL
FIN MATERIAL	ALUMINUM / COPPER
FIN SPACING	2.1 / 2.4 / 3.6 mm
FAN DIAMETER	800 / 900 / 1000 mm
NUMBER OF FANS	4 ÷ 18
FAN MOTORS	AC / EC

480 MODELS
available

Evaporative pre-cooling

Evaporative pre-cooling system enables substantial energy savings for cooling units by lowering the temperature of the air delivered to heat exchangers.

Evaporative media used in the system made up of water retaining finned aluminum plates designed for maximum evaporation: the saturation efficiency reaches more than 90%.

Mistral-W units can be supplied with a water circulation system for minimized water consumption and ensured water quality.

For more information about Mistral-W series dry coolers, refer to : <https://www.kaltra.com/products/dry-coolers>

For more information about evaporative pre-cooling system, refer to : <https://www.kaltra.com/evaporative-pre-cooling>

MISTRAL-W W80

High-performance dry coolers

www.kaltra.com

Ø 800 mm
FAN DIAMETER

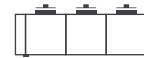
180,5 ÷ 1268,3 kW
CAPACITY @ DT 15K

4 ÷ 16
NUMBER OF FANS

MISTRAL-W W80-2.2



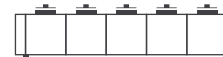
MISTRAL-W W80-3.2



MISTRAL-W W80-4.2



MISTRAL-W W80-5.2



MISTRAL-W W80-6.2



MISTRAL-W W80-7.2

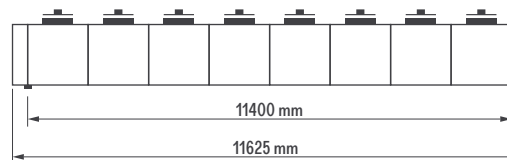
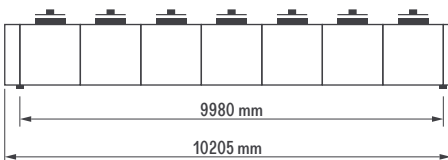
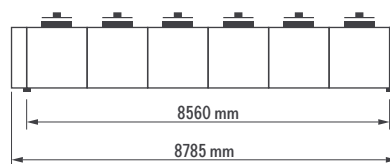
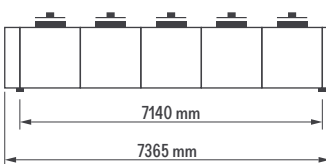
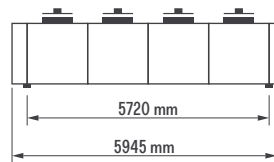
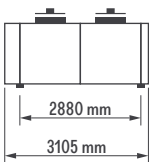
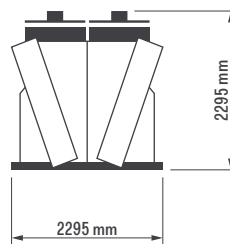
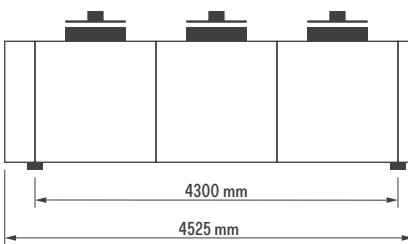


MISTRAL-W W80-8.2



DIMENSIONS

MISTRAL-W W80-2.2/3.2/4.2/5.2/6.2/7.2/8.2



MODEL CODE

MISTRAL-W - W 80 4.2 A 4D AC

MISTRAL-W	High-performance V-shaped dry cooler
-	[not present] = Standard coil height L = Increased coil height
W	W = Dry cooler with two fan rows
80	Fan diameter in dm

4.2	Number of fans per row * number of fan rows
A	A/B/C/D = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-W W80

High-performance dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W80-2.2 B 6 D	268.1	51.2	44	80600	52	2x2	6.88	15.6	817	880	2x 2"1/2
MISTRAL-W W80-2.2 C 6 D	300.3	57.3	53	77700	52	2x2	6.88	15.6	1089	965	2x 3"
MISTRAL-W W80-2.2 D 6 D	314.2	60.0	38	75050	52	2x2	6.88	15.6	1361	1050	2x 3"
MISTRAL-W W80-3.2 B 6 D	402.6	76.8	45	120900	54	3x2	10.32	23.4	1225	1280	4x DN100
MISTRAL-W W80-3.2 C 6 D	443.1	84.5	32	116550	54	3x2	10.32	23.4	1634	1405	2x DN100
MISTRAL-W W80-3.2 D 6 D	471.1	89.9	37	112600	54	3x2	10.32	23.4	2042	1530	4x 2"1/2
MISTRAL-W W80-4.2 B 6 D	503.3	96.1	13	161250	55	4x2	13.76	31.2	1634	1665	4x 2"1/2
MISTRAL-W W80-4.2 C 6 D	606.5	115.7	73	155400	55	4x2	13.76	31.2	2178	1835	4x DN80
MISTRAL-W W80-4.2 D 6 D	634.4	121.0	53	150150	55	4x2	13.76	31.2	2722	2000	4x DN80
MISTRAL-W W80-5.2 B 6 D	654.6	124.9	25	201550	55	5x2	17.20	39.0	2042	2065	4x DN80
MISTRAL-W W80-5.2 C 6 D	720.9	137.5	18	194250	55	5x2	17.20	39.0	2722	2275	4x DN80
MISTRAL-W W80-5.2 D 6 D	755.5	144.1	13	187700	55	5x2	17.20	39.0	3403	2490	4x DN100
MISTRAL-W W80-6.2 B 6 D	804.6	153.5	43	241850	56	6x2	20.64	46.8	2450	2450	4x DN100
MISTRAL-W W80-6.2 C 6 D	885.5	168.9	31	233050	56	6x2	20.64	46.8	3267	2705	4x DN100
MISTRAL-W W80-6.2 D 6 D	927.6	177.0	22	225200	56	6x2	20.64	46.8	4084	2960	4x DN100
MISTRAL-W W80-7.2 B 6 D	954.1	182.1	68	282150	57	7x2	24.08	54.6	2859	2860	4x DN100
MISTRAL-W W80-7.2 C 6 D	1049.2	200.1	48	271900	57	7x2	24.08	54.6	3811	3160	4x DN100
MISTRAL-W W80-7.2 D 6 D	1098.4	209.5	35	262750	57	7x2	24.08	54.6	4764	3455	4x DN125
MISTRAL-W W80-8.2 B 6 D	1103.4	210.6	99	322450	57	8x2	27.52	62.4	3267	3235	4x DN100
MISTRAL-W W80-8.2 C 6 D	1212.5	231.3	71	310750	57	8x2	27.52	62.4	4356	3575	4x DN125
MISTRAL-W W80-8.2 D 6 D	1268.3	241.9	52	300300	57	8x2	27.52	62.4	5445	3910	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W80-2.2 A 8 D	180.5	34.5	44	60700	45	2x2	3.08	8.9	545	795	2x 2"1/2
MISTRAL-W W80-2.2 B 8 D	217.5	41.5	48	58500	45	2x2	3.08	8.9	817	880	2x 2"1/2
MISTRAL-W W80-2.2 C 8 D	234.1	44.7	34	56450	45	2x2	3.08	8.9	1089	965	2x 2"1/2
MISTRAL-W W80-2.2 D 8 D	245.1	46.7	50	54650	45	2x2	3.08	8.9	1361	1050	2x 2"1/2
MISTRAL-W W80-3.2 A 8 D	271.3	51.8	46	91050	47	3x2	4.62	13.3	817	1150	2x 3"
MISTRAL-W W80-3.2 B 8 D	321.2	61.3	30	87750	47	3x2	4.62	13.3	1225	1280	2x 3"
MISTRAL-W W80-3.2 C 8 D	350.9	66.9	33	84700	47	3x2	4.62	13.3	1634	1405	2x 3"
MISTRAL-W W80-3.2 D 8 D	361.3	68.9	23	81950	47	3x2	4.62	13.3	2042	1530	2x 3"
MISTRAL-W W80-4.2 A 8 D	338.6	64.6	13	121400	48	4x2	6.16	17.8	1089	1495	2x 3"
MISTRAL-W W80-4.2 B 8 D	440.0	83.9	69	117000	48	4x2	6.16	17.8	1634	1665	2x DN100
MISTRAL-W W80-4.2 C 8 D	472.7	90.1	47	112950	48	4x2	6.16	17.8	2178	1835	2x DN100
MISTRAL-W W80-4.2 D 8 D	486.3	92.7	33	109300	48	4x2	6.16	17.8	2722	2000	2x DN100
MISTRAL-W W80-5.2 A 8 D	440.7	84.1	25	151700	48	5x2	7.70	22.2	1361	1850	2x DN100
MISTRAL-W W80-5.2 B 8 D	522.1	99.7	17	146250	48	5x2	7.70	22.2	2042	2065	4x 2"1/2
MISTRAL-W W80-5.2 C 8 D	561.9	107.2	11	141150	48	5x2	7.70	22.2	2722	2275	4x DN80
MISTRAL-W W80-5.2 D 8 D	615.6	117.4	63	136600	48	5x2	7.70	22.2	3403	2490	4x DN80
MISTRAL-W W80-6.2 A 8 D	542.2	103.5	44	182050	49	6x2	9.24	26.6	1634	2195	4x DN80
MISTRAL-W W80-6.2 B 8 D	641.9	122.5	29	175500	49	6x2	9.24	26.6	2450	2450	4x DN80
MISTRAL-W W80-6.2 C 8 D	690.6	131.8	20	169400	49	6x2	9.24	26.6	3267	2705	4x DN100
MISTRAL-W W80-6.2 D 8 D	711.4	135.7	14	163900	49	6x2	9.24	26.6	4084	2960	4x DN100
MISTRAL-W W80-7.2 A 8 D	643.2	122.8	69	212400	50	7x2	10.78	31.1	1906	2565	4x DN80
MISTRAL-W W80-7.2 B 8 D	760.9	145.1	45	204800	50	7x2	10.78	31.1	2859	2860	4x DN80
MISTRAL-W W80-7.2 C 8 D	818.1	156.1	31	197650	50	7x2	10.78	31.1	3811	3160	4x DN100
MISTRAL-W W80-7.2 D 8 D	842.3	160.7	22	191250	50	7x2	10.78	31.1	4764	3455	4x DN100
MISTRAL-W W80-8.2 A 8 D	744.2	142.0	102	242750	50	8x2	12.32	35.5	2178	2900	4x DN80
MISTRAL-W W80-8.2 B 8 D	879.5	167.7	67	234050	50	8x2	12.32	35.5	3267	3235	4x DN100
MISTRAL-W W80-8.2 C 8 D	945.0	180.2	46	225900	50	8x2	12.32	35.5	4356	3575	4x DN100
MISTRAL-W W80-8.2 D 8 D	972.2	185.4	33	218550	50	8x2	12.32	35.5	5445	3910	4x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W LW80

High-performance dry coolers

www.kaltra.com

Ø 800 mm
FAN DIAMETER

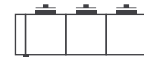
185,3 ÷ 1433,4 kW
CAPACITY @ DT 15K

4 ÷ 18
NUMBER OF FANS

MISTRAL-W LW80-2.2



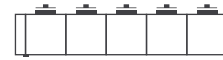
MISTRAL-W LW80-3.2



MISTRAL-W LW80-4.2



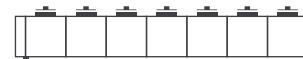
MISTRAL-W LW80-5.2



MISTRAL-W LW80-6.2



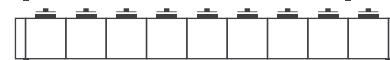
MISTRAL-W LW80-7.2



MISTRAL-W LW80-8.2

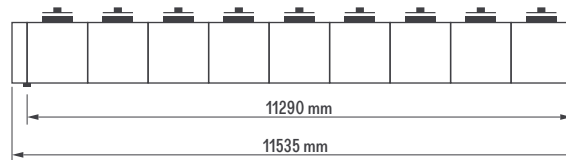
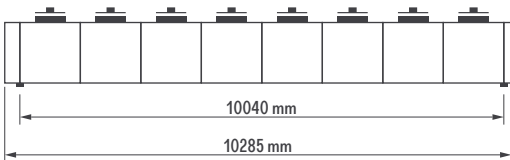
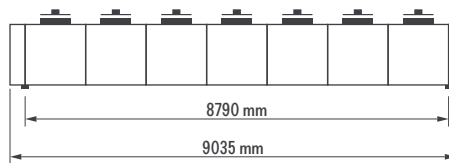
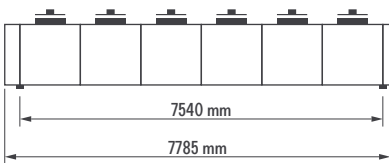
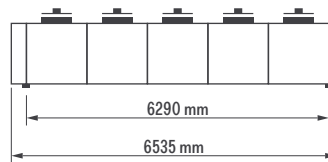
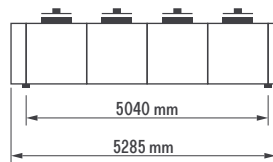
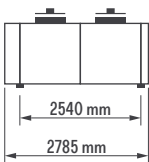
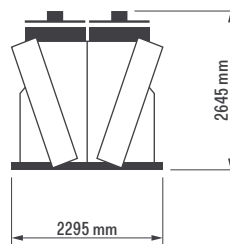
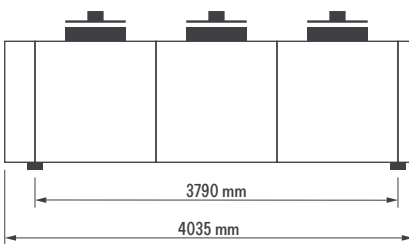


MISTRAL-W LW80-9.2



DIMENSIONS

MISTRAL-W LW80-2.2/3.2/4.2/5.2/6.2/7.2/8.2/9.2



MODEL CODE

MISTRAL-W L W 80 4.2 A 4D AC

MISTRAL-W	High-performance V-shaped dry cooler
L	[not present] = Standard coil height L = Increased coil height
W	W = Dry cooler with two fan rows
80	Fan diameter in dm

4.2	Number of fans per row * number of fan rows
A	A/B/C/D = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-W LW80

High-performance dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW80-2.2 B 6 D	274.8	52.4	74	80850	52	2x2	6.88	15.6	828	910	2x 2"1/2
MISTRAL-W LW80-2.2 C 6 D	302.0	57.6	53	77900	52	2x2	6.88	15.6	1104	995	2x 3"
MISTRAL-W LW80-2.2 D 6 D	316.0	60.3	39	75350	52	2x2	6.88	15.6	1380	1080	2x 3"
MISTRAL-W LW80-3.2 B 6 D	411.8	78.6	70	121250	53	3x2	10.32	23.4	1242	1320	2x DN100
MISTRAL-W LW80-3.2 C 6 D	452.6	86.3	51	116850	53	3x2	10.32	23.4	1656	1450	2x DN100
MISTRAL-W LW80-3.2 D 6 D	473.6	90.4	37	113000	53	3x2	10.32	23.4	2070	1575	4x 2"1/2
MISTRAL-W LW80-4.2 B 6 D	549.2	104.8	70	161650	55	4x2	13.76	31.2	1656	1715	4x 2"1/2
MISTRAL-W LW80-4.2 C 6 D	603.5	115.1	50	155800	55	4x2	13.76	31.2	2208	1885	4x DN80
MISTRAL-W LW80-4.2 D 6 D	631.6	120.5	37	150650	55	4x2	13.76	31.2	2760	2060	4x DN80
MISTRAL-W LW80-5.2 B 6 D	645.1	123.1	17	202050	55	5x2	17.20	39.0	2070	2125	4x DN80
MISTRAL-W LW80-5.2 C 6 D	767.5	146.4	95	194750	55	5x2	17.20	39.0	2760	2340	4x DN80
MISTRAL-W LW80-5.2 D 6 D	802.3	153.0	69	188300	55	5x2	17.20	39.0	3450	2555	4x DN100
MISTRAL-W LW80-6.2 B 6 D	796.6	152.0	29	242500	56	6x2	20.64	46.8	2484	2520	4x DN100
MISTRAL-W LW80-6.2 C 6 D	876.5	167.2	21	233700	56	6x2	20.64	46.8	3312	2780	4x DN100
MISTRAL-W LW80-6.2 D 6 D	918.5	175.2	15	226000	56	6x2	20.64	46.8	4139	3035	4x DN100
MISTRAL-W LW80-7.2 B 6 D	947.4	180.8	46	282900	57	7x2	24.08	54.6	2898	2945	4x DN100
MISTRAL-W LW80-7.2 C 6 D	1041.8	198.7	33	272650	57	7x2	24.08	54.6	3864	3245	4x DN100
MISTRAL-W LW80-7.2 D 6 D	1091.1	208.2	24	263650	57	7x2	24.08	54.6	4829	3545	4x DN125
MISTRAL-W LW80-8.2 B 6 D	1097.7	209.5	68	323300	57	8x2	27.52	62.4	3312	3330	4x DN100
MISTRAL-W LW80-8.2 C 6 D	1206.3	230.1	48	311600	57	8x2	27.52	62.4	4415	3670	4x DN125
MISTRAL-W LW80-8.2 D 6 D	1262.6	240.9	35	301300	57	8x2	27.52	62.4	5519	4015	4x DN125
MISTRAL-W LW80-9.2 B 6 D	1248.0	238.2	96	363750	57	9x2	30.96	70.2	3726	3725	4x DN100
MISTRAL-W LW80-9.2 C 6 D	1370.4	261.4	68	350600	57	9x2	30.96	70.2	4967	4110	4x DN125
MISTRAL-W LW80-9.2 D 6 D	1433.4	273.4	50	339000	57	9x2	30.96	70.2	6209	4495	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW80-2.2 A 8 D	185.3	35.4	76	60850	45	2x2	3.08	8.9	552	825	2x 2"1/2
MISTRAL-W LW80-2.2 B 8 D	218.9	41.8	50	58650	45	2x2	3.08	8.9	828	910	2x 2"1/2
MISTRAL-W LW80-2.2 C 8 D	235.4	44.9	34	56700	45	2x2	3.08	8.9	1104	995	2x 2"1/2
MISTRAL-W LW80-2.2 D 8 D	246.3	47.0	50	54850	45	2x2	3.08	8.9	1380	1080	2x 2"1/2
MISTRAL-W LW80-3.2 A 8 D	268.6	51.3	31	91250	46	3x2	4.62	13.3	882	1190	2x 3"
MISTRAL-W LW80-3.2 B 8 D	328.1	62.6	47	87950	46	3x2	4.62	13.3	1242	1320	2x 3"
MISTRAL-W LW80-3.2 C 8 D	352.9	67.3	33	85000	46	3x2	4.62	13.3	1656	1450	2x 3"
MISTRAL-W LW80-3.2 D 8 D	369.7	70.5	49	82300	46	3x2	4.62	13.3	2070	1575	2x 3"
MISTRAL-W LW80-4.2 A 8 D	370.4	70.7	72	121650	48	4x2	6.16	17.8	1104	1545	2x 3"
MISTRAL-W LW80-4.2 B 8 D	437.6	83.5	47	117300	48	4x2	6.16	17.8	1656	1715	2x DN100
MISTRAL-W LW80-4.2 C 8 D	470.6	89.8	32	113350	48	4x2	6.16	17.8	2208	1885	2x DN100
MISTRAL-W LW80-4.2 D 8 D	492.7	94.0	48	109700	48	4x2	6.16	17.8	2760	2060	2x DN100
MISTRAL-W LW80-5.2 A 8 D	434.1	82.9	17	152050	48	5x2	7.70	22.2	1380	1910	2x DN100
MISTRAL-W LW80-5.2 B 8 D	556.9	106.2	89	146600	48	5x2	7.70	22.2	2070	2125	4x 2"1/2
MISTRAL-W LW80-5.2 C 8 D	598.0	114.1	61	141700	48	5x2	7.70	22.2	2760	2340	4x DN80
MISTRAL-W LW80-5.2 D 8 D	614.7	117.2	43	137050	48	5x2	7.70	22.2	3450	2555	4x DN80
MISTRAL-W LW80-6.2 A 8 D	536.6	102.4	30	182500	49	6x2	9.24	26.6	1656	2265	4x DN80
MISTRAL-W LW80-6.2 B 8 D	635.0	121.2	19	175950	49	6x2	9.24	26.6	2484	2520	4x DN80
MISTRAL-W LW80-6.2 C 8 D	683.6	130.4	13	170050	49	6x2	9.24	26.6	3312	2780	4x DN100
MISTRAL-W LW80-6.2 D 8 D	744.5	142.0	72	164550	49	6x2	9.24	26.6	4139	3035	4x DN100
MISTRAL-W LW80-7.2 A 8 D	638.6	121.9	47	212900	50	7x2	10.78	31.1	1932	2645	4x DN80
MISTRAL-W LW80-7.2 B 8 D	755.1	144.1	31	205250	50	7x2	10.78	31.1	2898	2945	4x DN80
MISTRAL-W LW80-7.2 C 8 D	812.6	155.0	21	198400	50	7x2	10.78	31.1	3864	3245	4x DN100
MISTRAL-W LW80-7.2 D 8 D	836.7	159.6	15	192000	50	7x2	10.78	31.1	4829	3545	4x DN100
MISTRAL-W LW80-8.2 A 8 D	740.3	141.3	70	243300	50	8x2	12.32	35.5	2208	2985	4x DN80
MISTRAL-W LW80-8.2 B 8 D	874.7	166.8	46	234600	50	8x2	12.32	35.5	3312	3330	4x DN100
MISTRAL-W LW80-8.2 C 8 D	940.8	179.5	31	226700	50	8x2	12.32	35.5	4415	3670	4x DN100
MISTRAL-W LW80-8.2 D 8 D	968.2	184.7	22	219400	50	8x2	12.32	35.5	5519	4015	4x DN100
MISTRAL-W LW80-9.2 A 8 D	841.9	160.7	98	273750	50	9x2	13.86	40.0	2484	3340	4x DN80
MISTRAL-W LW80-9.2 B 8 D	994.1	189.7	64	263900	50	9x2	13.86	40.0	3726	3725	4x DN100
MISTRAL-W LW80-9.2 C 8 D	1068.3	203.7	44	255050	50	9x2	13.86	40.0	4967	4110	4x DN100
MISTRAL-W LW80-9.2 D 8 D	1098.8	209.5	31	246850	50	9x2	13.86	40.0	6209	4495	4x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W W90

High-performance dry coolers

www.kaltra.com

Ø 900 mm
FAN DIAMETER

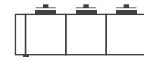
152,8 ÷ 1795,8 kW
CAPACITY @ DT 15K

4 ÷ 16
NUMBER OF FANS

MISTRAL-W W90-2.2



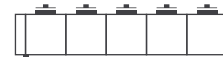
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MISTRAL-W W90-4.2



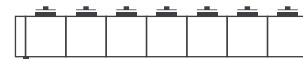
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MISTRAL-W W90-6.2



MISTRAL-W W90-7.2

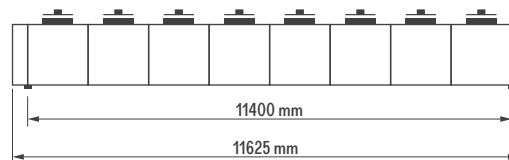
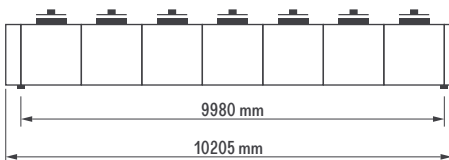
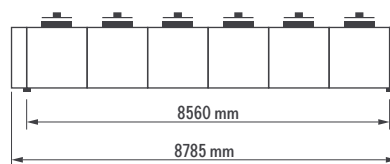
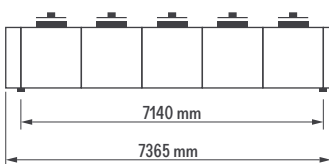
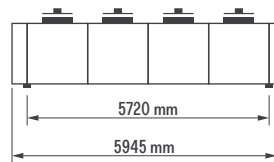
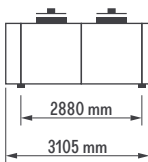
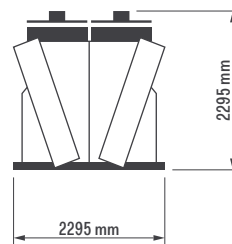
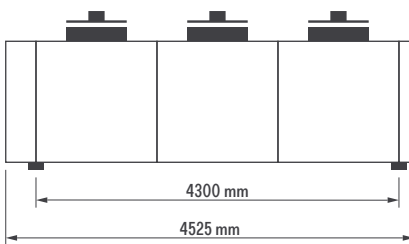


MISTRAL-W W90-8.2



DIMENSIONS

MISTRAL-W W90-2.2/3.2/4.2/5.2/6.2/7.2/8.2



MODEL CODE

MISTRAL-W - W 90 4.2 A 4D AC

MISTRAL-W	High-performance V-shaped dry cooler
-	[not present] = Standard coil height L = Increased coil height
W	W = Dry cooler with two fan rows
90	Fan diameter in dm

4.2	Number of fans per row * number of fan rows
A	A/B/C/D = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-W W90

High-performance dry coolers

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Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W90-2.2 B 4 D	360.0	68.7	74	128000	66	2x2	18.40	31.2	817	880	2x 2"1/2
MISTRAL-W W90-2.2 C 4 D	408.3	77.9	56	122600	66	2x2	18.40	31.2	1089	965	2x 3"
MISTRAL-W W90-2.2 D 4 D	437.3	83.4	43	117650	66	2x2	18.40	31.2	1361	1050	2x 3"
MISTRAL-W W90-3.2 B 4 D	540.6	103.2	75	192000	68	3x2	27.60	48.6	1225	1280	2x DN100
MISTRAL-W W90-3.2 C 4 D	612.9	117.0	56	183850	68	3x2	27.60	48.6	1634	1405	2x DN100
MISTRAL-W W90-3.2 D 4 D	656.2	125.2	43	176500	68	3x2	27.60	48.6	2042	1530	4x 2"1/2
MISTRAL-W W90-4.2 B 4 D	676.5	129.1	21	256050	69	4x2	36.80	62.4	1634	1665	4x 2"1/2
MISTRAL-W W90-4.2 C 4 D	767.7	146.5	16	245150	69	4x2	36.80	62.4	2178	1835	4x DN80
MISTRAL-W W90-4.2 D 4 D	822.9	157.0	12	235300	69	4x2	36.80	62.4	2722	2000	4x DN80
MISTRAL-W W90-5.2 B 4 D	878.8	167.7	42	320050	69	5x2	46.00	78.0	2042	2065	4x DN80
MISTRAL-W W90-5.2 C 4 D	997.0	190.3	32	306450	69	5x2	46.00	78.0	2722	2275	4x DN80
MISTRAL-W W90-5.2 D 4 D	1068.4	203.9	24	294150	69	5x2	46.00	78.0	3403	2490	4x DN100
MISTRAL-W W90-6.2 B 4 D	1080.3	206.2	72	384050	70	6x2	55.20	93.6	2450	2450	4x DN100
MISTRAL-W W90-6.2 C 4 D	1224.8	233.7	54	367750	70	6x2	55.20	93.6	3267	2705	4x DN100
MISTRAL-W W90-6.2 D 4 D	1311.6	250.2	41	352950	70	6x2	55.20	93.6	4084	2960	4x DN100
MISTRAL-W W90-7.2 B 4 D	1281.8	244.7	114	448050	71	7x2	64.40	109.2	2859	2860	4x DN100
MISTRAL-W W90-7.2 C 4 D	1452.1	277.1	86	429050	71	7x2	64.40	109.2	3811	3160	4x DN100
MISTRAL-W W90-7.2 D 4 D	1553.9	296.5	65	411800	71	7x2	64.40	109.2	4764	3455	4x DN125
MISTRAL-W W90-8.2 B 4 D	1483.1	283.1	169	512050	71	8x2	73.60	124.8	3267	3235	4x DN100
MISTRAL-W W90-8.2 C 4 D	1679.3	320.5	126	490350	71	8x2	73.60	124.8	4356	3575	4x DN125
MISTRAL-W W90-8.2 D 4 D	1795.8	342.6	96	470600	71	8x2	73.60	124.8	5445	3910	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W90-2.2 B 6 D	314.2	60.0	58	102650	58	2x2	9.04	20.6	817	880	2x 2"1/2
MISTRAL-W W90-2.2 C 6 D	349.0	66.6	43	97700	58	2x2	9.04	20.6	1089	965	2x 3"
MISTRAL-W W90-2.2 D 6 D	373.0	71.1	52	93200	58	2x2	9.04	20.6	1361	1050	2x 3"
MISTRAL-W W90-3.2 B 6 D	471.8	90.1	59	154000	60	3x2	13.56	30.9	1225	1280	2x DN100
MISTRAL-W W90-3.2 C 6 D	523.9	100.0	43	146550	60	3x2	13.56	30.9	1634	1405	2x DN100
MISTRAL-W W90-3.2 D 6 D	550.8	105.0	31	139800	60	3x2	13.56	30.9	2042	1530	4x 2"1/2
MISTRAL-W W90-4.2 B 6 D	590.3	112.7	17	205350	61	4x2	18.08	41.2	1634	1665	4x 2"1/2
MISTRAL-W W90-4.2 C 6 D	656.0	125.2	12	195400	61	4x2	18.08	41.2	2178	1835	4x DN80
MISTRAL-W W90-4.2 D 6 D	753.3	143.7	72	186400	61	4x2	18.08	41.2	2722	2000	4x DN80
MISTRAL-W W90-5.2 B 6 D	767.1	146.4	33	256650	61	5x2	22.60	51.5	2042	2065	4x DN80
MISTRAL-W W90-5.2 C 6 D	852.4	162.7	24	244200	61	5x2	22.60	51.5	2722	2275	4x DN80
MISTRAL-W W90-5.2 D 6 D	896.7	171.0	18	233000	61	5x2	22.60	51.5	3403	2490	4x DN100
MISTRAL-W W90-6.2 B 6 D	943.0	180.0	57	308000	62	6x2	27.12	61.8	2450	2450	4x DN100
MISTRAL-W W90-6.2 C 6 D	1047.1	199.8	41	293050	62	6x2	27.12	61.8	3267	2705	4x DN100
MISTRAL-W W90-6.2 D 6 D	1100.8	209.9	30	279600	62	6x2	27.12	61.8	4084	2960	4x DN100
MISTRAL-W W90-7.2 B 6 D	1118.4	213.4	90	359300	63	7x2	31.64	72.1	2859	2860	4x DN100
MISTRAL-W W90-7.2 C 6 D	1241.0	236.8	65	341900	63	7x2	31.64	72.1	3811	3160	4x DN100
MISTRAL-W W90-7.2 D 6 D	1303.7	248.6	48	326200	63	7x2	31.64	72.1	4764	3455	4x DN125
MISTRAL-W W90-8.2 B 6 D	1293.8	246.9	133	410650	63	8x2	36.16	82.4	3267	3235	4x DN100
MISTRAL-W W90-8.2 C 6 D	1434.6	273.8	96	390750	63	8x2	36.16	82.4	4356	3575	4x DN125
MISTRAL-W W90-8.2 D 6 D	1506.0	287.2	70	372800	63	8x2	36.16	82.4	5445	3910	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W W90

High-performance dry coolers

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Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W90-2.2 A 8 D	200.9	38.3	53	72100	47	2x2	3.32	9.1	545	795	2x 2"1/2
MISTRAL-W W90-2.2 B 8 D	239.7	45.8	36	68550	47	2x2	3.32	9.1	817	880	2x 2"1/2
MISTRAL-W W90-2.2 C 8 D	263.0	50.2	42	65400	47	2x2	3.32	9.1	1089	965	2x 2"1/2
MISTRAL-W W90-2.2 D 8 D	270.3	51.6	29	62550	47	2x2	3.32	9.1	1361	1045	2x 2"1/2
MISTRAL-W W90-3.2 A 8 D	301.9	57.6	55	108200	49	3x2	4.98	13.6	817	1150	2x 3"
MISTRAL-W W90-3.2 B 8 D	359.9	68.7	37	102800	49	3x2	4.98	13.6	1225	1275	2x 3"
MISTRAL-W W90-3.2 C 8 D	388.1	74.0	25	98050	49	3x2	4.98	13.6	1634	1405	2x 3"
MISTRAL-W W90-3.2 D 8 D	405.3	77.3	28	93850	49	3x2	4.98	13.6	2042	1530	2x 3"
MISTRAL-W W90-4.2 A 8 D	377.1	72.0	15	144250	50	4x2	6.64	18.2	1089	1495	2x 3"
MISTRAL-W W90-4.2 B 8 D	492.1	93.9	83	137100	50	4x2	6.64	18.2	1634	1665	2x DN100
MISTRAL-W W90-4.2 C 8 D	531.1	101.3	58	130750	50	4x2	6.64	18.2	2178	1835	2x DN100
MISTRAL-W W90-4.2 D 8 D	545.7	104.1	41	125100	50	4x2	6.64	18.2	2722	2000	2x DN100
MISTRAL-W W90-5.2 A 8 D	490.6	93.6	31	180300	50	5x2	8.30	22.7	1361	1850	2x DN100
MISTRAL-W W90-5.2 B 8 D	585.1	111.7	20	171350	50	5x2	8.30	22.7	2042	2065	4x 2"1/2
MISTRAL-W W90-5.2 C 8 D	631.4	120.4	14	163450	50	5x2	8.30	22.7	2722	2275	4x DN80
MISTRAL-W W90-5.2 D 8 D	691.1	131.8	77	156400	50	5x2	8.30	22.7	3403	2485	4x DN80
MISTRAL-W W90-6.2 A 8 D	603.4	115.1	53	216400	51	6x2	9.96	27.2	1634	2195	4x DN80
MISTRAL-W W90-6.2 B 8 D	719.3	137.3	35	205600	51	6x2	9.96	27.2	2450	2450	4x DN80
MISTRAL-W W90-6.2 C 8 D	775.7	147.9	24	196100	51	6x2	9.96	27.2	3267	2705	4x DN100
MISTRAL-W W90-6.2 D 8 D	798.2	152.3	17	187700	51	6x2	9.96	27.2	4084	2955	4x DN100
MISTRAL-W W90-7.2 A 8 D	716.0	136.7	84	252450	52	7x2	11.62	31.8	1906	2565	4x DN80
MISTRAL-W W90-7.2 B 8 D	852.7	162.7	56	239900	52	7x2	11.62	31.8	2859	2860	4x DN80
MISTRAL-W W90-7.2 C 8 D	919.0	175.3	38	228800	52	7x2	11.62	31.8	3811	2155	4x DN100
MISTRAL-W W90-7.2 D 8 D	945.0	180.3	27	218950	52	7x2	11.62	31.8	4764	3455	4x DN100
MISTRAL-W W90-8.2 A 8 D	828.5	158.1	123	288500	52	8x2	13.28	36.3	2178	2895	4x DN80
MISTRAL-W W90-8.2 B 8 D	986.0	188.1	82	274150	52	8x2	13.28	36.3	3267	3235	4x DN100
MISTRAL-W W90-8.2 C 8 D	1061.8	202.5	56	261500	52	8x2	13.28	36.3	4356	3575	4x DN100
MISTRAL-W W90-8.2 D 8 D	1090.9	208.1	40	250250	52	8x2	13.28	36.3	5445	3910	4x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W90-2.2 A 12 D	152.8	29.2	53	45800	36	2x2	1.12	3.3	545	795	2x 2"
MISTRAL-W W90-2.2 B 12 D	173.4	33.1	32	43400	36	2x2	1.12	3.3	817	880	2x 2"
MISTRAL-W W90-2.2 C 12 D	183.4	35.0	45	41200	36	2x2	1.12	3.3	1089	965	2x 2"
MISTRAL-W W90-3.2 A 12 D	225.5	43.0	33	68700	38	3x2	1.68	5.0	817	1150	2x 3"
MISTRAL-W W90-3.2 B 12 D	260.1	49.6	32	65100	38	3x2	1.68	5.0	1225	1275	2x 2"1/2
MISTRAL-W W90-3.2 C 12 D	270.1	51.5	21	61850	38	3x2	1.68	5.0	1634	1405	2x 2"1/2
MISTRAL-W W90-4.2 A 12 D	309.4	59.0	76	91600	39	4x2	2.24	6.6	1089	1495	2x 2"1/2
MISTRAL-W W90-4.2 B 12 D	350.7	66.9	46	86800	39	4x2	2.24	6.6	1634	1665	2x 3"
MISTRAL-W W90-4.2 C 12 D	363.7	69.4	30	82450	39	4x2	2.24	6.6	2178	1835	2x 3"
MISTRAL-W W90-5.2 A 12 D	366.3	69.9	18	114550	39	5x2	2.80	8.3	1361	1850	2x 3"
MISTRAL-W W90-5.2 B 12 D	415.9	79.3	11	108500	39	5x2	2.80	8.3	2042	2065	2x 3"
MISTRAL-W W90-5.2 C 12 D	460.7	87.9	56	103050	39	5x2	2.80	8.3	2722	2275	2x 3"
MISTRAL-W W90-6.2 A 12 D	450.7	86.0	32	137450	40	6x2	3.36	10.0	1634	2195	2x DN100
MISTRAL-W W90-6.2 B 12 D	511.7	97.6	19	130200	40	6x2	3.36	10.0	2450	2450	2x DN100
MISTRAL-W W90-6.2 C 12 D	531.5	101.4	12	123650	40	6x2	3.36	10.0	3267	2705	2x DN100
MISTRAL-W W90-7.2 A 12 D	534.6	102.0	50	160350	41	7x2	3.92	11.6	1906	2565	4x 2"1/2
MISTRAL-W W90-7.2 B 12 D	606.6	115.7	31	151900	41	7x2	3.92	11.6	2859	2860	4x 2"1/2
MISTRAL-W W90-7.2 C 12 D	629.7	120.1	20	144250	41	7x2	3.92	11.6	3811	2155	4x 2"1/2
MISTRAL-W W90-8.2 A 12 D	618.4	118.0	74	183250	41	8x2	4.48	13.3	2178	2895	4x DN80
MISTRAL-W W90-8.2 B 12 D	701.1	133.7	45	176300	41	8x2	4.48	13.3	3267	3235	4x DN80
MISTRAL-W W90-8.2 C 12 D	727.2	138.7	29	164900	41	8x2	4.48	13.3	4356	3575	4x DN80

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W LW90

High-performance dry coolers

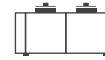
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Ø 900 mm
FAN DIAMETER

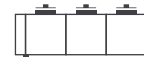
153,7 ÷ 2033,1 kW
CAPACITY @ DT 15K

4 ÷ 18
NUMBER OF FANS

MISTRAL-W LW90-2.2



MISTRAL-W LW90-3.2



MISTRAL-W LW90-4.2



MISTRAL-W LW90-5.2



MISTRAL-W LW90-6.2



MISTRAL-W LW90-7.2



MISTRAL-W LW90-8.2

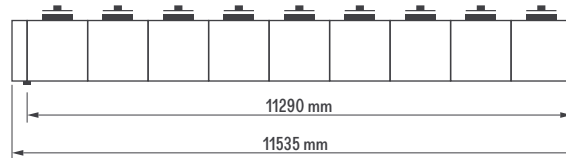
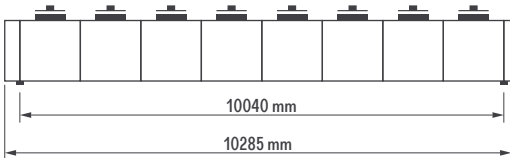
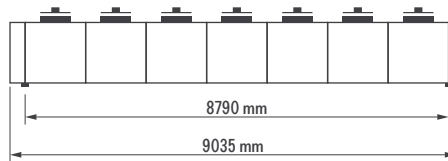
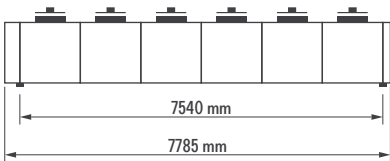
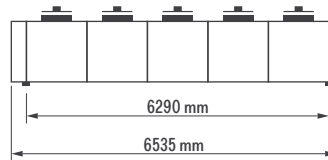
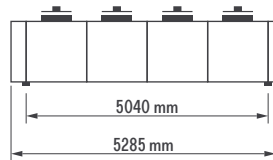
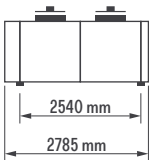
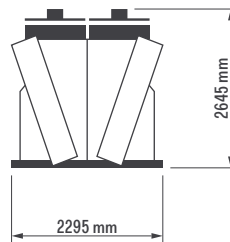
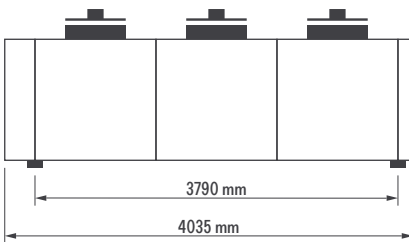


MISTRAL-W LW90-9.2



DIMENSIONS

MISTRAL-W LW90-2.2/3.2/4.2/5.2/6.2/7.2/8.2/9.2



MODEL CODE

MISTRAL-W L W 90 4.2 A 4D AC

MISTRAL-W	High-performance V-shaped dry cooler
L	[not present] = Standard coil height L = Increased coil height
W	W = Dry cooler with two fan rows
90	Fan diameter in dm

4.2	Number of fans per row * number of fan rows
A	A/B/C/D = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-W LW90

High-performance dry coolers

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Performance data

3 PH 4 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW90-2.2 B 4 D	349.7	66.7	34	128400	66	2x2	18.40	31.2	828	910	2x 2"1/2
MISTRAL-W LW90-2.2 C 4 D	418.6	79.9	94	123050	66	2x2	18.40	31.2	1104	995	2x 3"
MISTRAL-W LW90-2.2 D 4 D	448.0	85.5	72	118200	66	2x2	18.40	31.2	1380	1080	2x 3"
MISTRAL-W LW90-3.2 B 4 D	535.9	102.3	51	192650	67	3x2	27.60	46.8	1242	1320	2x DN100
MISTRAL-W LW90-3.2 C 4 D	607.6	116.0	38	184550	67	3x2	27.60	46.8	1656	1450	2x DN100
MISTRAL-W LW90-3.2 D 4 D	671.3	128.1	68	177300	67	3x2	27.60	46.8	2070	1575	4x 2"1/2
MISTRAL-W LW90-4.2 B 4 D	662.4	126.4	14	256850	69	4x2	36.80	62.4	1656	1715	4x 2"1/2
MISTRAL-W LW90-4.2 C 4 D	836.5	159.6	89	246100	69	4x2	36.80	62.4	2208	1885	4x DN80
MISTRAL-W LW90-4.2 D 4 D	895.2	170.8	68	236450	69	4x2	36.80	62.4	2760	2060	4x DN80
MISTRAL-W LW90-5.2 B 4 D	867.3	165.5	28	321050	69	5x2	46.00	78.0	2070	2125	4x DN80
MISTRAL-W LW90-5.2 C 4 D	983.9	187.8	21	307600	69	5x2	46.00	78.0	2760	2340	4x DN80
MISTRAL-W LW90-5.2 D 4 D	1054.8	201.3	16	295550	69	5x2	46.00	78.0	3450	2555	4x DN100
MISTRAL-W LW90-6.2 B 4 D	1070.7	204.3	49	385250	70	6x2	55.20	93.6	2484	2520	4x DN100
MISTRAL-W LW90-6.2 C 4 D	1214.0	231.7	37	369100	70	6x2	55.20	93.6	3312	2780	4x DN100
MISTRAL-W LW90-6.2 D 4 D	1301.0	248.3	28	354650	70	6x2	55.20	93.6	4139	3035	4x DN100
MISTRAL-W LW90-7.2 B 4 D	1273.6	243.0	77	449500	71	7x2	64.40	109.2	2898	2945	4x DN100
MISTRAL-W LW90-7.2 C 4 D	1443.2	275.4	58	430650	71	7x2	64.40	109.2	3864	3245	4x DN100
MISTRAL-W LW90-7.2 D 4 D	1545.5	294.8	44	413750	71	7x2	64.40	109.2	4829	3545	4x DN125
MISTRAL-W LW90-8.2 B 4 D	1476.6	281.8	115	513700	71	8x2	73.60	124.8	3312	3330	4x DN100
MISTRAL-W LW90-8.2 C 4 D	1672.1	319.1	86	492150	71	8x2	73.60	124.8	4415	3670	4x DN125
MISTRAL-W LW90-8.2 D 4 D	1789.5	341.4	65	472850	71	8x2	73.60	124.8	5519	4015	4x DN125
MISTRAL-W LW90-9.2 B 4 D	1679.3	320.5	162	577900	71	9x2	82.80	140.4	3726	3725	4x DN100
MISTRAL-W LW90-9.2 C 4 D	1900.9	362.8	121	553700	71	9x2	82.80	140.4	4967	4110	4x DN125
MISTRAL-W LW90-9.2 D 4 D	2033.1	387.9	92	531950	71	9x2	82.80	140.4	6209	4495	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW90-2.2 B 6 D	322.6	61.6	99	103050	58	2x2	9.04	20.6	828	910	2x 2"1/2
MISTRAL-W LW90-2.2 C 6 D	357.8	68.3	71	98100	58	2x2	9.04	20.6	1104	995	2x 3"
MISTRAL-W LW90-2.2 D 6 D	375.8	71.7	52	93700	58	2x2	9.04	20.6	1380	1080	2x 3"
MISTRAL-W LW90-3.2 B 6 D	467.8	89.3	40	154550	59	3x2	13.56	30.9	1242	1320	2x DN100
MISTRAL-W LW90-3.2 C 6 D	536.2	102.4	68	147200	59	3x2	13.56	30.9	1656	1450	2x DN100
MISTRAL-W LW90-3.2 D 6 D	563.2	107.4	50	140550	59	3x2	13.56	30.9	2070	1575	4x 2"1/2
MISTRAL-W LW90-4.2 B 6 D	644.5	123.0	93	206100	61	4x2	18.08	41.2	1656	1715	4x 2"1/2
MISTRAL-W LW90-4.2 C 6 D	715.0	136.5	67	196250	61	4x2	18.08	41.2	2208	1885	4x DN80
MISTRAL-W LW90-4.2 D 6 D	751.1	143.2	50	187400	61	4x2	18.08	41.2	2760	2060	4x DN80
MISTRAL-W LW90-5.2 B 6 D	756.9	144.5	22	257600	61	5x2	22.60	51.5	2070	2125	4x DN80
MISTRAL-W LW90-5.2 C 6 D	841.1	160.5	16	245300	61	5x2	22.60	51.5	2760	2340	4x DN80
MISTRAL-W LW90-5.2 D 6 D	954.7	182.1	94	234250	61	5x2	22.60	51.5	3450	2555	4x DN100
MISTRAL-W LW90-6.2 B 6 D	934.6	178.4	39	309150	62	6x2	27.12	61.8	2484	2520	4x DN100
MISTRAL-W LW90-6.2 C 6 D	1038.2	198.2	28	294400	62	6x2	27.12	61.8	3312	2780	4x DN100
MISTRAL-W LW90-6.2 D 6 D	1091.9	208.3	21	281100	62	6x2	27.12	61.8	4139	3035	4x DN100
MISTRAL-W LW90-7.2 B 6 D	1111.6	212.2	61	360650	63	7x2	31.64	72.1	2898	2945	4x DN100
MISTRAL-W LW90-7.2 C 6 D	1233.9	235.5	44	343450	63	7x2	31.64	72.1	3864	3245	4x DN100
MISTRAL-W LW90-7.2 D 6 D	1297.1	247.4	32	327950	63	7x2	31.64	72.1	4829	3545	4x DN125
MISTRAL-W LW90-8.2 B 6 D	1288.3	245.9	90	412200	63	8x2	36.16	82.4	3312	3330	4x DN100
MISTRAL-W LW90-8.2 C 6 D	1429.3	272.8	65	392500	63	8x2	36.16	82.4	4415	3670	4x DN125
MISTRAL-W LW90-8.2 D 6 D	1501.4	286.3	48	374800	63	8x2	36.16	82.4	5519	4015	4x DN125
MISTRAL-W LW90-9.2 B 6 D	1464.9	279.6	127	463700	63	9x2	40.68	92.7	3726	3725	4x DN100
MISTRAL-W LW90-9.2 C 6 D	1624.1	309.9	92	441550	63	9x2	40.68	92.7	4967	4110	4x DN125
MISTRAL-W LW90-9.2 D 6 D	1705.2	325.2	68	421650	63	9x2	40.68	92.7	6209	4495	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W LW90

High-performance dry coolers

www.kaltra.com

Performance data

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW90-2.2 A 8 D	202.6	38.7	55	72250	47	2x2	3.32	9.1	552	825	2x 2"1/2
MISTRAL-W LW90-2.2 B 8 D	245.6	46.9	61	68750	47	2x2	3.32	9.1	828	910	2x 2"1/2
MISTRAL-W LW90-2.2 C 8 D	264.6	50.5	42	65650	47	2x2	3.32	9.1	1104	995	2x 2"1/2
MISTRAL-W LW90-2.2 D 8 D	276.6	52.8	61	62850	47	2x2	3.32	9.1	1380	1080	2x 2"1/2
MISTRAL-W LW90-3.2 A 8 D	298.9	57.1	37	108400	48	3x2	4.98	13.6	882	1190	2x 3"
MISTRAL-W LW90-3.2 B 8 D	368.0	70.2	58	103100	48	3x2	4.98	13.6	1242	1320	2x 3"
MISTRAL-W LW90-3.2 C 8 D	396.7	75.7	40	98500	48	3x2	4.98	13.6	1656	1450	2x 3"
MISTRAL-W LW90-3.2 D 8 D	415.2	79.2	61	94250	48	3x2	4.98	13.6	2070	1575	2x 3"
MISTRAL-W LW90-4.2 A 8 D	412.3	78.7	87	144500	50	4x2	6.64	18.2	1104	1545	2x 3"
MISTRAL-W LW90-4.2 B 8 D	490.8	93.7	58	137500	50	4x2	6.64	18.2	1656	1715	2x DN100
MISTRAL-W LW90-4.2 C 8 D	529.0	100.9	40	131300	50	4x2	6.64	18.2	2208	1885	2x DN100
MISTRAL-W LW90-4.2 D 8 D	553.4	105.5	59	125700	50	4x2	6.64	18.2	2760	2060	2x DN100
MISTRAL-W LW90-5.2 A 8 D	483.4	92.3	21	180650	50	5x2	8.30	22.7	1380	1910	2x DN100
MISTRAL-W LW90-5.2 B 8 D	576.4	110.0	14	171900	50	5x2	8.30	22.7	2070	2125	4x 2"1/2
MISTRAL-W LW90-5.2 C 8 D	672.5	128.3	75	164150	50	5x2	8.30	22.7	2760	2340	4x DN80
MISTRAL-W LW90-5.2 D 8 D	690.3	131.7	53	157100	50	5x2	8.30	22.7	3450	2555	4x DN80
MISTRAL-W LW90-6.2 A 8 D	597.3	114.0	36	216800	51	6x2	9.96	27.2	1656	2265	4x DN80
MISTRAL-W LW90-6.2 B 8 D	712.1	135.9	24	206250	51	6x2	9.96	27.2	2484	2520	4x DN80
MISTRAL-W LW90-6.2 C 8 D	768.4	146.6	16	196950	51	6x2	9.96	27.2	3312	2780	4x DN100
MISTRAL-W LW90-6.2 D 8 D	836.4	159.5	89	188550	51	6x2	9.96	27.2	4139	3035	4x DN100
MISTRAL-W LW90-7.2 A 8 D	710.8	135.6	57	252950	52	7x2	11.62	31.8	1932	2645	4x DN80
MISTRAL-W LW90-7.2 B 8 D	846.9	161.6	38	240600	52	7x2	11.62	31.8	2898	2945	4x DN80
MISTRAL-W LW90-7.2 C 8 D	913.4	174.2	26	229800	52	7x2	11.62	31.8	3864	3245	4x DN100
MISTRAL-W LW90-7.2 D 8 D	939.4	179.2	18	219950	52	7x2	11.62	31.8	4829	3545	4x DN100
MISTRAL-W LW90-8.2 A 8 D	824.1	157.3	84	289050	52	8x2	13.28	36.3	2208	2985	4x DN80
MISTRAL-W LW90-8.2 B 8 D	981.1	187.2	56	275000	52	8x2	13.28	36.3	3312	3330	4x DN100
MISTRAL-W LW90-8.2 C 8 D	1057.5	201.7	38	262600	52	8x2	13.28	36.3	4415	3670	4x DN100
MISTRAL-W LW90-8.2 D 8 D	1087.0	207.4	27	251400	52	8x2	13.28	36.3	5519	4015	4x DN100
MISTRAL-W LW90-9.2 A 8 D	937.3	178.9	119	325200	52	9x2	14.94	40.9	2484	3340	4x DN80
MISTRAL-W LW90-9.2 B 8 D	1115.1	212.8	79	309400	52	9x2	14.94	40.9	3726	3725	4x DN100
MISTRAL-W LW90-9.2 C 8 D	1201.2	229.1	54	295450	52	9x2	14.94	40.9	4967	4110	4x DN100
MISTRAL-W LW90-9.2 D 8 D	1233.8	235.3	38	282800	52	9x2	14.94	40.9	6209	4495	4x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 12 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW90-2.2 A 12 D	153.7	29.3	55	45800	36	2x2	1.12	3.3	552	825	2x 2"
MISTRAL-W LW90-2.2 B 12 D	174.8	33.3	33	43600	36	2x2	1.12	3.3	828	910	2x 2"
MISTRAL-W LW90-2.2 C 12 D	184.6	35.2	45	41450	36	2x2	1.12	3.3	1104	995	2x 2"
MISTRAL-W LW90-3.2 A 12 D	230.8	44.0	55	68700	37	3x2	1.68	5.0	828	1190	2x 2"1/2
MISTRAL-W LW90-3.2 B 12 D	262.0	50.0	32	65450	37	3x2	1.68	5.0	1242	1320	2x 2"1/2
MISTRAL-W LW90-3.2 C 12 D	276.9	52.8	44	62150	37	3x2	1.68	5.0	1656	1450	2x 2"1/2
MISTRAL-W LW90-4.2 A 12 D	307.2	58.6	52	91600	39	4x2	2.24	6.6	1104	1545	2x 3"
MISTRAL-W LW90-4.2 B 12 D	349.4	66.6	32	87250	39	4x2	2.24	6.6	1656	1715	2x 3"
MISTRAL-W LW90-4.2 C 12 D	369.2	70.4	43	82900	39	4x2	2.24	6.6	2207	1885	2x 3"
MISTRAL-W LW90-5.2 A 12 D	391.3	74.7	98	114550	39	5x2	2.80	8.3	1380	1910	2x 3"
MISTRAL-W LW90-5.2 B 12 D	444.4	84.8	60	109050	39	5x2	2.80	8.3	2070	2125	2x 3"
MISTRAL-W LW90-5.2 C 12 D	460.4	87.8	39	103600	39	5x2	2.80	8.3	2760	2340	2x 3"
MISTRAL-W LW90-6.2 A 12 D	445.1	85.0	21	137450	40	6x2	3.36	10.0	1656	2265	2x DN100
MISTRAL-W LW90-6.2 B 12 D	539.1	102.8	101	130900	40	6x2	3.36	10.0	2484	2522	2x DN100
MISTRAL-W LW90-6.2 C 12 D	557.9	106.4	65	124300	40	6x2	3.36	10.0	3312	2779	2x DN100
MISTRAL-W LW90-7.2 A 12 D	529.7	101.1	34	160350	41	7x2	3.92	11.6	1932	2645	4x 2"1/2
MISTRAL-W LW90-7.2 B 12 D	602.9	115.0	21	152700	41	7x2	3.92	11.6	2898	2945	4x 2"1/2
MISTRAL-W LW90-7.2 C 12 D	655.1	125.0	100	145050	41	7x2	3.92	11.6	3864	3245	4x 2"1/2
MISTRAL-W LW90-8.2 A 12 D	614.0	117.2	50	183250	41	8x2	4.48	13.3	2208	2985	4x DN80
MISTRAL-W LW90-8.2 B 12 D	698.4	133.2	31	174500	41	8x2	4.48	13.3	3312	3330	4x DN80
MISTRAL-W LW90-8.2 C 12 D	724.7	138.3	20	165750	41	8x2	4.48	13.3	4415	3670	4x DN80
MISTRAL-W LW90-9.2 A 12 D	698.2	133.3	71	206150	41	9x2	5.04	14.9	2484	3340	4x DN80
MISTRAL-W LW90-9.2 B 12 D	793.5	151.3	43	196300	41	9x2	5.04	14.9	3726	3725	4x DN80
MISTRAL-W LW90-9.2 C 12 D	822.9	157.0	28	186450	41	9x2	5.04	14.9	4967	4110	4x DN80

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W W100

High-performance dry coolers

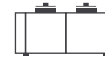
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Ø 1000 mm
FAN DIAMETER

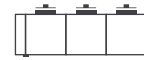
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CAPACITY @ DT 15K

4 ÷ 16
NUMBER OF FANS

MISTRAL-W W100-2.2



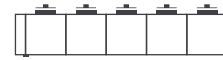
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MISTRAL-W W100-4.2



MISTRAL-W W100-5.2



MISTRAL-W W100-6.2



MISTRAL-W W100-7.2

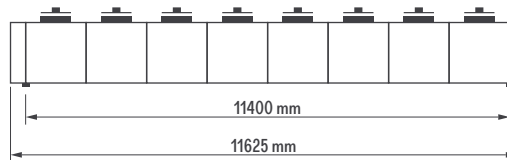
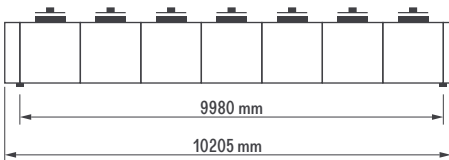
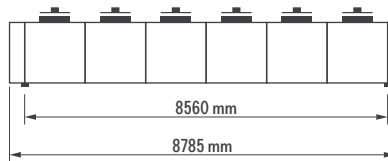
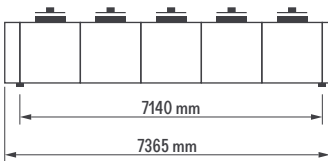
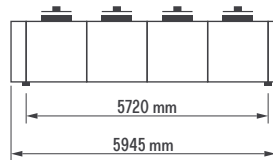
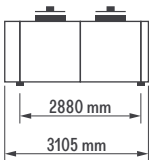
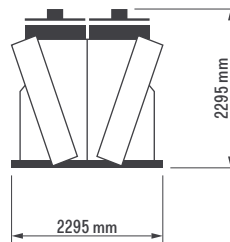
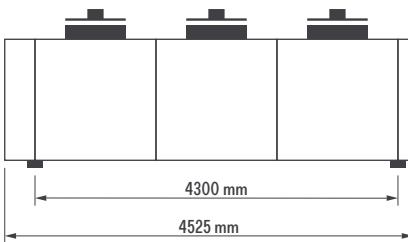


MISTRAL-W W100-8.2



DIMENSIONS

MISTRAL-W W100-2.2/3.2/4.2/5.2/6.2/7.2/8.2



MODEL CODE

MISTRAL-W - W 100 4.2 A 4D AC

MISTRAL-W	High-performance V-shaped dry cooler
-	[not present] = Standard coil height L = Increased coil height
W	W = Dry cooler with two fan rows
100	Fan diameter in dm

4.2	Number of fans per row * number of fan rows
A	A/B/C/D = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-W W100

High-performance dry coolers

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Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W100-2.2 B 6 D	332.5	63.5	65	112300	59	2x2	9.92	22.5	817	880	2x 2"1/2
MISTRAL-W W100-2.2 C 6 D	371.3	70.9	48	106650	59	2x2	9.92	22.5	1089	965	2x 3"
MISTRAL-W W100-2.2 D 6 D	391.7	74.7	36	101500	59	2x2	9.92	22.5	1361	1050	2x 3"
MISTRAL-W W100-3.2 B 6 D	499.2	95.3	65	168500	61	3x2	14.88	33.8	1225	1280	2x DN100
MISTRAL-W W100-3.2 C 6 D	557.3	106.4	48	159950	61	3x2	14.88	33.8	1634	1405	2x DN100
MISTRAL-W W100-3.2 D 6 D	587.9	112.1	35	152250	61	3x2	14.88	33.8	2042	1530	4x 2"1/2
MISTRAL-W W100-4.2 B 6 D	624.6	119.2	18	224650	62	4x2	19.84	45.0	1634	1665	4x 2"1/2
MISTRAL-W W100-4.2 C 6 D	698.0	133.2	13	213300	62	4x2	19.84	45.0	2178	1835	4x DN80
MISTRAL-W W100-4.2 D 6 D	804.3	153.4	81	203000	62	4x2	19.84	45.0	2722	2000	4x DN80
MISTRAL-W W100-5.2 B 6 D	811.6	154.9	36	280800	62	5x2	24.80	56.3	2042	2065	4x DN80
MISTRAL-W W100-5.2 C 6 D	906.7	173.0	27	266600	62	5x2	24.80	56.3	2722	2275	4x DN80
MISTRAL-W W100-5.2 D 6 D	957.1	182.6	20	253750	62	5x2	24.80	56.3	3403	2490	4x DN100
MISTRAL-W W100-6.2 B 6 D	997.7	190.4	63	336950	63	6x2	29.76	67.6	2450	2450	4x DN100
MISTRAL-W W100-6.2 C 6 D	1113.8	212.6	46	319950	63	6x2	29.76	67.6	3267	2705	4x DN100
MISTRAL-W W100-6.2 D 6 D	1174.9	224.1	34	304500	63	6x2	29.76	67.6	4084	2960	4x DN100
MISTRAL-W W100-7.2 B 6 D	1183.5	225.9	99	393100	64	7x2	34.72	78.8	2859	2860	4x DN100
MISTRAL-W W100-7.2 C 6 D	1320.2	252.0	72	373250	64	7x2	34.72	78.8	3811	3160	4x DN100
MISTRAL-W W100-7.2 D 6 D	1391.7	265.5	54	355200	64	7x2	34.72	78.8	4764	3455	4x DN125
MISTRAL-W W100-8.2 B 6 D	1369.1	261.3	146	449300	64	8x2	39.68	90.1	3267	3235	4x DN100
MISTRAL-W W100-8.2 C 6 D	1526.3	291.3	107	426600	64	8x2	39.68	90.1	4356	3575	4x DN125
MISTRAL-W W100-8.2 D 6 D	1607.9	306.7	79	405950	64	8x2	39.68	90.1	5445	3910	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W W100-2.2 A 8 D	209.6	40.0	57	77450	52	2x2	3.84	9.1	545	795	2x 2"1/2
MISTRAL-W W100-2.2 B 8 D	251.2	47.9	39	73300	52	2x2	3.84	9.1	817	880	2x 2"1/2
MISTRAL-W W100-2.2 C 8 D	276.1	52.7	46	69600	52	2x2	3.84	9.1	1089	965	2x 2"1/2
MISTRAL-W W100-2.2 D 8 D	283.9	54.2	32	66350	52	2x2	3.84	9.1	1361	1045	2x 2"1/2
MISTRAL-W W100-3.2 A 8 D	315.1	60.1	59	116200	54	3x2	5.76	13.7	817	1150	2x 3"
MISTRAL-W W100-3.2 B 8 D	377.2	72.0	40	109950	54	3x2	5.76	13.7	1225	1275	2x 3"
MISTRAL-W W100-3.2 C 8 D	407.4	77.7	27	104350	54	3x2	5.76	13.7	1634	1405	2x 3"
MISTRAL-W W100-3.2 D 8 D	425.7	81.2	31	99500	54	3x2	5.76	13.7	2042	1530	2x 3"
MISTRAL-W W100-4.2 A 8 D	393.7	75.2	17	154900	55	4x2	7.68	18.2	1089	1495	2x 3"
MISTRAL-W W100-4.2 B 8 D	471.4	90.0	11	146600	55	4x2	7.68	18.2	1634	1665	2x DN100
MISTRAL-W W100-4.2 C 8 D	557.5	106.3	63	139150	55	4x2	7.68	18.2	2178	1835	2x DN100
MISTRAL-W W100-4.2 D 8 D	573.1	109.3	45	132700	55	4x2	7.68	18.2	2722	2000	2x DN100
MISTRAL-W W100-5.2 A 8 D	512.0	97.7	33	193650	55	5x2	9.60	22.8	1361	1850	2x DN100
MISTRAL-W W100-5.2 B 8 D	613.3	117.1	22	183250	55	5x2	9.60	22.8	2042	2065	4x 2"1/2
MISTRAL-W W100-5.2 C 8 D	662.8	126.4	15	173950	55	5x2	9.60	22.8	2722	2275	4x DN80
MISTRAL-W W100-5.2 D 8 D	725.0	138.5	83	165850	55	5x2	9.60	22.8	3403	2485	4x DN80
MISTRAL-W W100-6.2 A 8 D	629.7	120.2	57	232250	56	6x2	11.52	27.4	1634	2195	4x DN80
MISTRAL-W W100-6.2 B 8 D	753.8	143.9	38	219900	56	6x2	11.52	27.4	2450	2450	4x DN80
MISTRAL-W W100-6.2 C 8 D	814.2	155.3	26	208750	56	6x2	11.52	27.4	3267	2705	4x DN100
MISTRAL-W W100-6.2 D 8 D	838.3	159.9	19	199050	56	6x2	11.52	27.4	4084	2955	4x DN100
MISTRAL-W W100-7.2 A 8 D	747.3	142.7	90	271100	57	7x2	13.44	31.9	1906	2565	4x DN80
MISTRAL-W W100-7.2 B 8 D	893.9	170.6	60	256550	57	7x2	13.44	31.9	2859	2860	4x DN80
MISTRAL-W W100-7.2 C 8 D	964.6	184.0	42	243500	57	7x2	13.44	31.9	3811	3155	4x DN100
MISTRAL-W W100-7.2 D 8 D	992.5	189.3	30	232200	57	7x2	13.44	31.9	4764	3455	4x DN100
MISTRAL-W W100-8.2 A 8 D	864.8	165.1	133	309800	57	8x2	15.36	36.5	2178	2895	4x DN80
MISTRAL-W W100-8.2 B 8 D	1033.6	197.3	89	293200	57	8x2	15.36	36.5	3267	3235	4x DN100
MISTRAL-W W100-8.2 C 8 D	1114.5	212.6	61	278300	57	8x2	15.36	36.5	4356	3575	4x DN100
MISTRAL-W W100-8.2 D 8 D	1145.8	218.5	43	265400	57	8x2	15.36	36.5	5445	3910	4x DN100

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W LW100

High-performance dry coolers

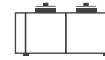
www.kaltra.com

Ø 1000 mm
FAN DIAMETER

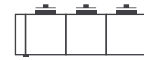
211,7 ÷ 1821,6 kW
CAPACITY @ DT 15K

4 ÷ 18
NUMBER OF FANS

MISTRAL-W LW100-2.2



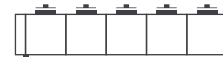
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MISTRAL-W LW100-4.2



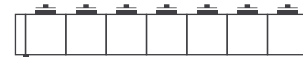
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MISTRAL-W LW100-6.2



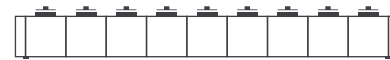
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MISTRAL-W LW100-8.2

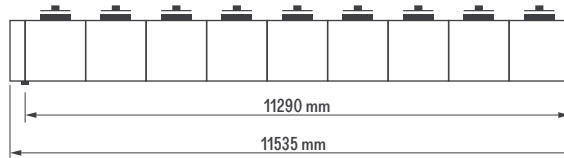
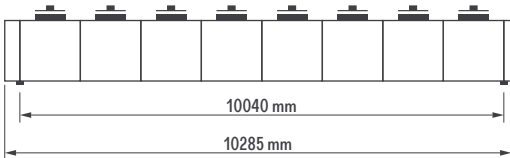
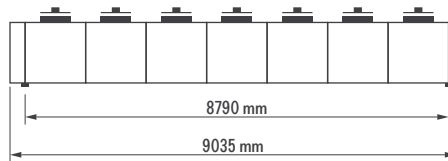
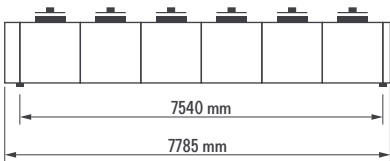
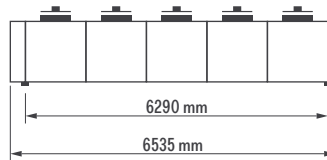
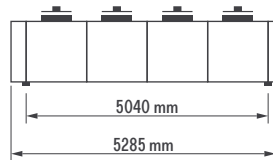
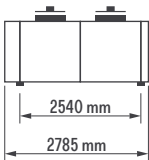
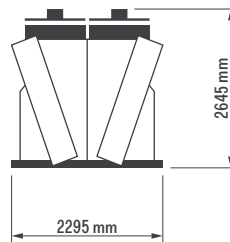
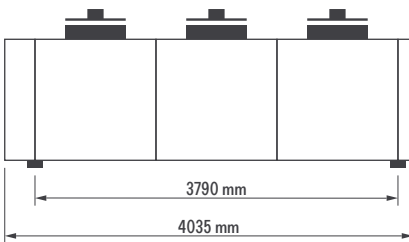


MISTRAL-W LW100-9.2



DIMENSIONS

MISTRAL-W LW100-2.2/3.2/4.2/5.2/6.2/7.2/8.2/9.2



MODEL CODE

MISTRAL-W L W 100 4.2 A 4D AC

MISTRAL-W	High-performance V-shaped dry cooler
L	[not present] = Standard coil height L = Increased coil height
W	W = Dry cooler with two fan rows
100	Fan diameter in dm

4.2	Number of fans per row * number of fan rows
A	A/B/C/D = Heat exchanger type
4D	Motor poles and motor type (D/Y/S)
AC	AC = AC-driven fans EC = EC-driven fans

MISTRAL-W LW100

High-performance dry coolers

www.kaltra.com

Performance data

3 PH 6 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW100-2.2 B 6 D	323.0	61.6	29	112750	59	2x2	9.92	22.5	828	910	2x 2"1/2
MISTRAL-W LW100-2.2 C 6 D	380.0	72.7	80	107150	59	2x2	9.92	22.5	1104	995	2x 3"
MISTRAL-W LW100-2.2 D 6 D	401.5	76.6	59	102100	59	2x2	9.92	22.5	1380	1080	2x 3"
MISTRAL-W LW100-3.2 B 6 D	495.0	94.5	40	169100	60	3x2	14.88	33.8	1242	1320	2x DN100
MISTRAL-W LW100-3.2 C 6 D	552.8	105.5	68	160750	60	3x2	14.88	33.8	1656	1450	2x DN100
MISTRAL-W LW100-3.2 D 6 D	601.6	114.8	50	153150	60	3x2	14.88	33.8	2070	1575	4x 2"1/2
MISTRAL-W LW100-4.2 B 6 D	611.4	116.7	12	225500	62	4x2	19.84	45.0	1656	1715	4x 2"1/2
MISTRAL-W LW100-4.2 C 6 D	760.9	145.2	75	214350	62	4x2	19.84	45.0	2208	1885	4x DN80
MISTRAL-W LW100-4.2 D 6 D	802.3	153.0	56	204200	62	4x2	19.84	45.0	2760	2060	4x DN80
MISTRAL-W LW100-5.2 B 6 D	801.0	152.9	24	281900	62	5x2	24.80	56.3	2070	2125	4x DN80
MISTRAL-W LW100-5.2 C 6 D	895.1	170.8	18	267900	62	5x2	24.80	56.3	2760	2340	4x DN80
MISTRAL-W LW100-5.2 D 6 D	945.2	180.3	13	255250	62	5x2	24.80	56.3	3450	2555	4x DN100
MISTRAL-W LW100-6.2 B 6 D	988.9	188.7	43	338250	63	6x2	29.76	67.6	2484	2520	4x DN100
MISTRAL-W LW100-6.2 C 6 D	1104.6	210.8	31	321500	63	6x2	29.76	67.6	3312	2780	4x DN100
MISTRAL-W LW100-6.2 D 6 D	1166.2	222.5	23	306300	63	6x2	29.76	67.6	4139	3035	4x DN100
MISTRAL-W LW100-7.2 B 6 D	1176.4	224.5	67	394600	64	7x2	34.72	78.8	2898	2945	4x DN100
MISTRAL-W LW100-7.2 C 6 D	1313.1	250.6	49	375500	64	7x2	34.72	78.8	3864	3245	4x DN100
MISTRAL-W LW100-7.2 D 6 D	1385.4	264.2	36	357350	64	7x2	34.72	78.8	4829	3545	4x DN125
MISTRAL-W LW100-8.2 B 6 D	1363.5	260.2	100	451000	64	8x2	39.68	90.1	3312	3330	4x DN100
MISTRAL-W LW100-8.2 C 6 D	1520.9	290.3	73	428650	64	8x2	39.68	90.1	4415	3670	4x DN125
MISTRAL-W LW100-8.2 D 6 D	1603.7	305.9	54	408400	64	8x2	39.68	90.1	5519	4015	4x DN125
MISTRAL-W LW100-9.2 B 6 D	1550.6	295.9	141	507400	64	9x2	44.64	101.3	3726	3725	4x DN100
MISTRAL-W LW100-9.2 C 6 D	1728.6	329.9	103	482250	64	9x2	44.64	101.3	4967	4110	4x DN125
MISTRAL-W LW100-9.2 D 6 D	1821.6	347.5	76	459400	64	9x2	44.64	101.3	6209	4495	4x DN125

T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

3 PH 8 POLES	CAPACITY	FLUID FLOW	FLUID PRESSURE DROP	AIRFLOW	SOUND PRESSURE	NO. FANS	POWER INPUT	CURRENT	HEAT TRANSFER SURFACE	WEIGHT	IN/OUT CONNECTIONS
	kW	m ³ /h	kPa	m ³ /h	dB(A)		kW	A	m ²	kg	
MISTRAL-W LW100-2.2 A 8 D	211.7	40.4	60	77750	52	2x2	3.84	9.1	552	825	2x 2"1/2
MISTRAL-W LW100-2.2 B 8 D	257.6	49.2	66	73600	52	2x2	3.84	9.1	828	910	2x 2"1/2
MISTRAL-W LW100-2.2 C 8 D	277.9	53.0	45	69950	52	2x2	3.84	9.1	1104	995	2x 2"1/2
MISTRAL-W LW100-2.2 D 8 D	285.9	54.6	32	66700	52	2x2	3.84	9.1	1380	1080	2x 2"1/2
MISTRAL-W LW100-3.2 A 8 D	312.4	59.6	40	116600	53	3x2	5.76	13.7	882	1190	2x 3"
MISTRAL-W LW100-3.2 B 8 D	386.0	73.7	63	110400	53	3x2	5.76	13.7	1242	1320	2x 3"
MISTRAL-W LW100-3.2 C 8 D	416.7	79.5	44	104900	53	3x2	5.76	13.7	1656	1450	2x 3"
MISTRAL-W LW100-3.2 D 8 D	436.4	83.2	66	100050	53	3x2	5.76	13.7	2070	1575	2x 3"
MISTRAL-W LW100-4.2 A 8 D	430.8	82.2	94	155450	55	4x2	7.68	18.2	1104	1545	2x 3"
MISTRAL-W LW100-4.2 B 8 D	514.8	98.3	63	147150	55	4x2	7.68	18.2	1656	1715	2x DN100
MISTRAL-W LW100-4.2 C 8 D	555.6	106.0	43	139850	55	4x2	7.68	18.2	2208	1885	2x DN100
MISTRAL-W LW100-4.2 D 8 D	581.7	110.9	64	133400	55	4x2	7.68	18.2	2760	2060	2x DN100
MISTRAL-W LW100-5.2 A 8 D	505.2	96.4	22	194350	55	5x2	9.60	22.8	1380	1910	2x DN100
MISTRAL-W LW100-5.2 B 8 D	604.7	115.4	15	183950	55	5x2	9.60	22.8	2070	2125	4x 2"1/2
MISTRAL-W LW100-5.2 C 8 D	706.5	134.8	82	174800	55	5x2	9.60	22.8	2760	2340	4x DN80
MISTRAL-W LW100-5.2 D 8 D	725.6	138.4	58	166750	55	5x2	9.60	22.8	3450	2555	4x DN80
MISTRAL-W LW100-6.2 A 8 D	624.1	119.1	39	233200	56	6x2	11.52	27.4	1656	2265	4x DN80
MISTRAL-W LW100-6.2 B 8 D	746.9	142.5	26	220750	56	6x2	11.52	27.4	2484	2520	4x DN80
MISTRAL-W LW100-6.2 C 8 D	807.1	153.9	18	209800	56	6x2	11.52	27.4	3312	2780	4x DN100
MISTRAL-W LW100-6.2 D 8 D	879.3	167.7	97	200100	56	6x2	11.52	27.4	4139	3035	4x DN100
MISTRAL-W LW100-7.2 A 8 D	742.7	141.7	61	272500	57	7x2	13.44	31.9	1932	2645	4x DN80
MISTRAL-W LW100-7.2 B 8 D	888.2	169.5	41	257550	57	7x2	13.44	31.9	2898	2945	4x DN80
MISTRAL-W LW100-7.2 C 8 D	959.3	183.0	28	244750	57	7x2	13.44	31.9	3864	3245	4x DN100
MISTRAL-W LW100-7.2 D 8 D	987.3	188.4	20	233450	57	7x2	13.44	31.9	4829	3545	4x DN100
MISTRAL-W LW100-8.2 A 8 D	861.2	164.4	91	310950	57	8x2	15.36	36.5	2208	2985	4x DN80
MISTRAL-W LW100-8.2 B 8 D	1029.1	196.4	61	294350	57	8x2	15.36	36.5	3312	3330	4x DN100
MISTRAL-W LW100-8.2 C 8 D	1110.7	211.8	42	279700	57	8x2	15.36	36.5	4415	3670	4x DN100
MISTRAL-W LW100-8.2 D 8 D	1142.4	218.0	30	266800	57	8x2	15.36	36.5	5519	4015	4x DN100
MISTRAL-W LW100-9.2 A 8 D	979.5	187.0	128	349800	57	9x2	17.28	41.0	2484	3340	4x DN80
MISTRAL-W LW100-9.2 B 8 D	1169.8	223.2	86	331150	57	9x2	17.28	41.0	3726	3725	4x DN100
MISTRAL-W LW100-9.2 C 8 D	1261.7	240.7	59	314700	57	9x2	17.28	41.0	4967	4110	4x DN100
MISTRAL-W LW100-9.2 D 8 D	1296.8	247.3	42	300150	57	9x2	17.28	41.0	6209	4495	4x DN100

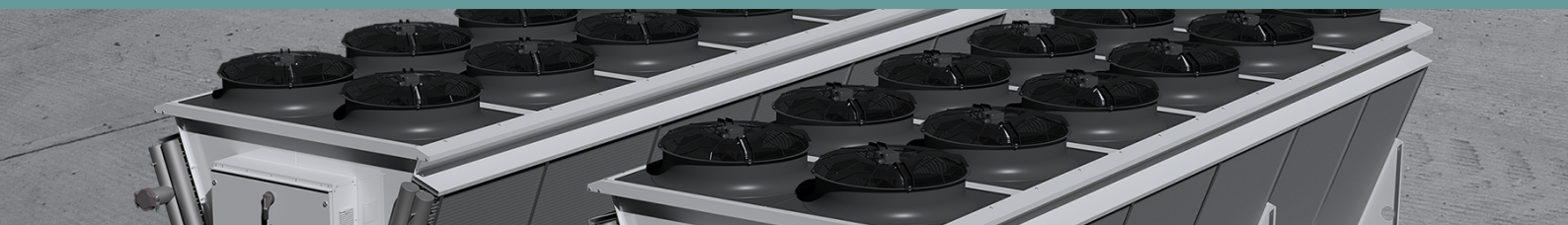
T_{air} = 25°C • T_{fluid in} = 40°C • T_{fluid out} = 35°C • Ethylene glycol 35%

MISTRAL-W

High-performance dry coolers

SELECTION GUIDE

November 2020



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KALTRA

Kaltra GmbH • Schwarzenbergplatz 6 • 1030 Wien • Austria
E-mail: info@kaltra.at • Web: www.kaltra.com • Tel.: +43 720 022 151