

# MISTRAL-W

High-performance dry coolers

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Heat rejection: 150÷2000kW



## SELECTION GUIDE

November 2020

[www.kaltra.com](http://www.kaltra.com)

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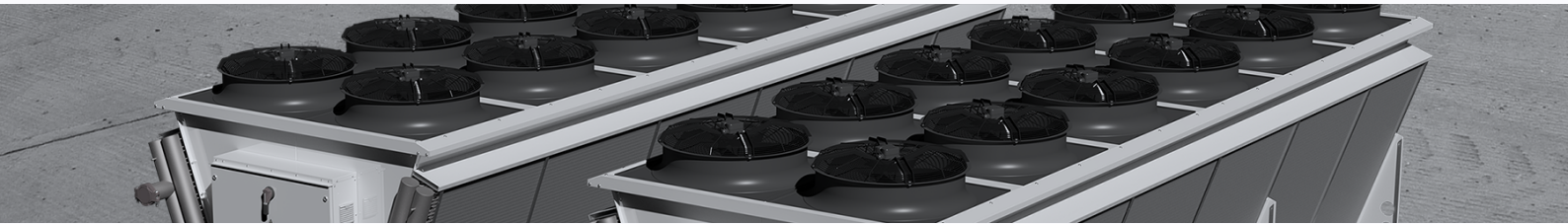
**KALTRA**

# 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

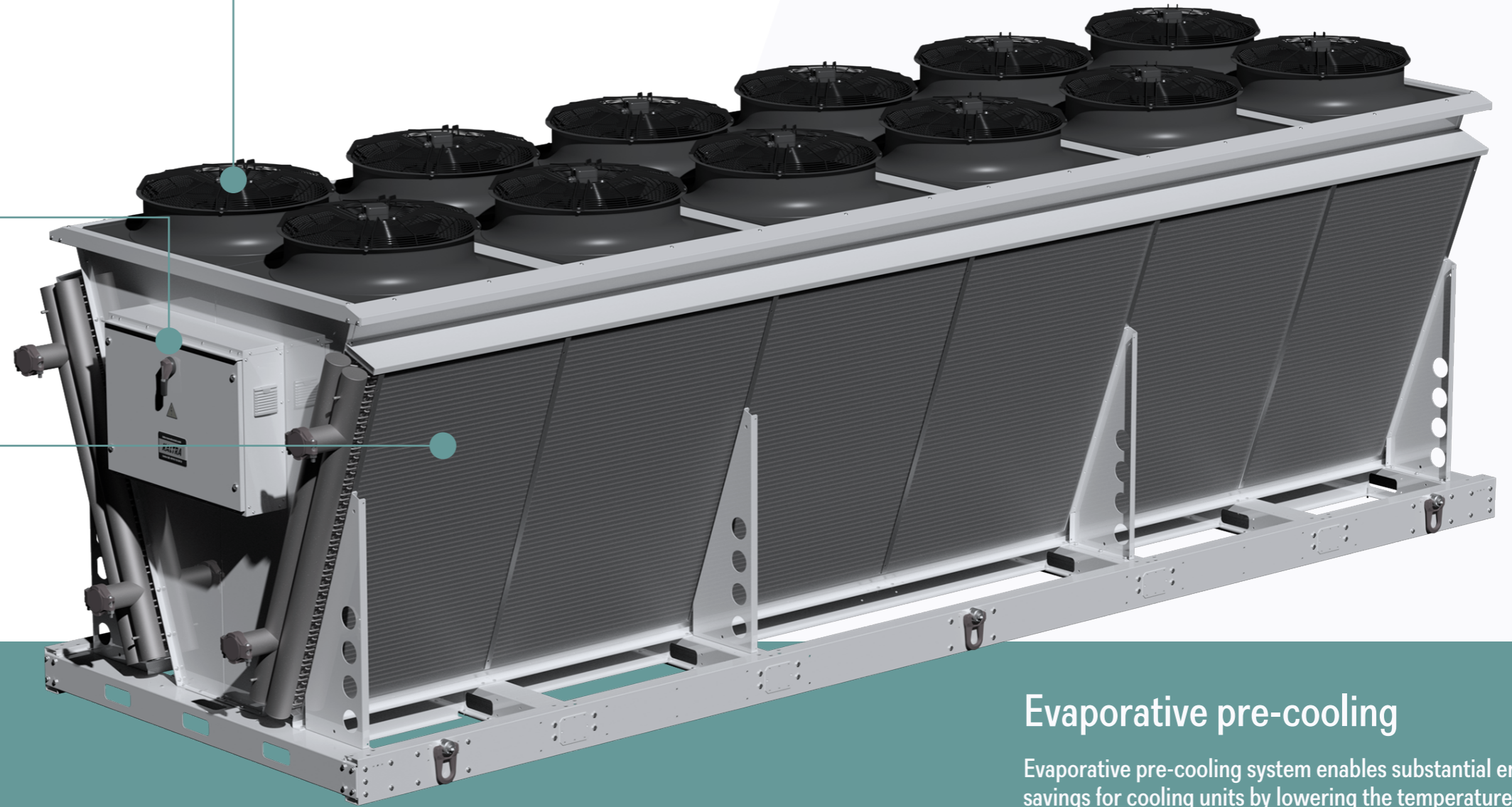
Available fans are axial AC-driven or EC-driven with Modbus control and optional diffusers to reduce noise emissions. Our intelligent fan system also contributes to the lowest energy consumption.

### 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

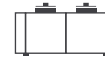
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Ø 800 mm  
FAN DIAMETER

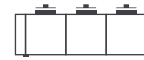
180,5 ÷ 1268,3 kW  
CAPACITY @ DT 15K

4 ÷ 16  
NUMBER OF FANS

MISTRAL-W W80-2.2



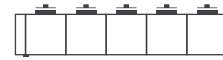
MISTRAL-W W80-3.2



MISTRAL-W W80-4.2



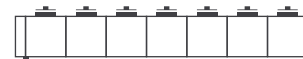
MISTRAL-W W80-5.2



MISTRAL-W W80-6.2



MISTRAL-W W80-7.2

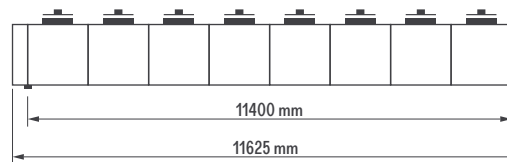
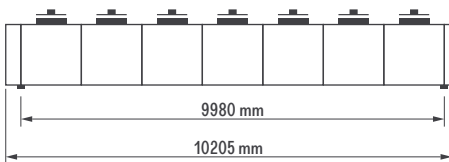
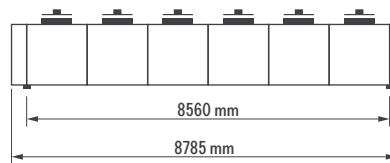
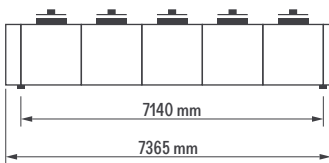
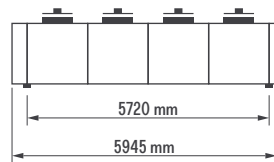
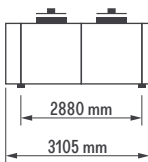
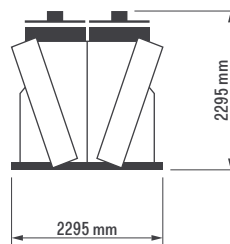
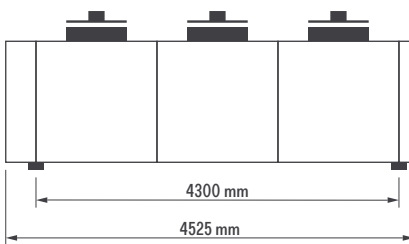


MISTRAL-W W80-8.2



## 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

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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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%

# MISTRAL-W LW80

High-performance dry coolers

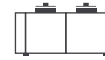
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**Ø 800 mm**  
FAN DIAMETER

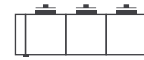
**185,3 ÷ 1433,4 kW**  
CAPACITY @ DT 15K

**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

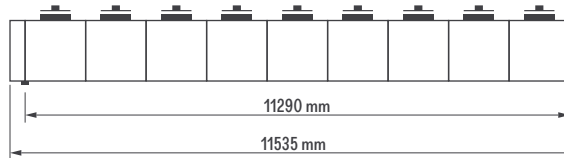
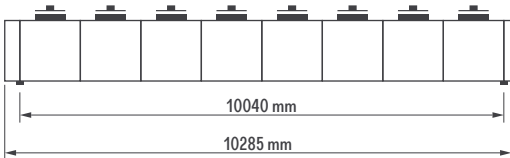
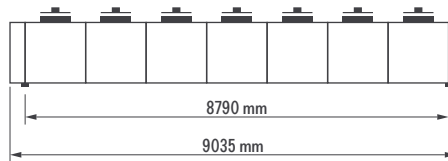
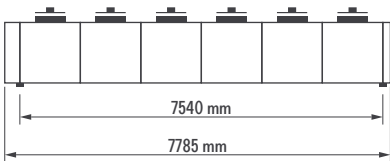
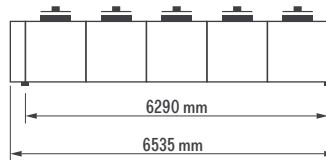
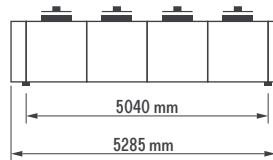
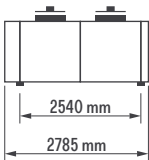
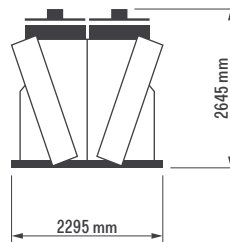
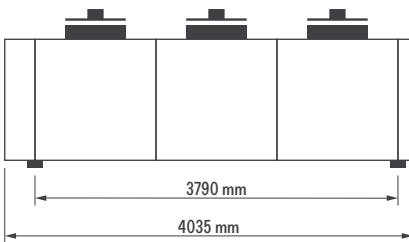


MISTRAL-W LW80-9.2



## 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

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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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%

# MISTRAL-W W90

High-performance dry coolers

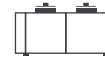
www.kaltra.com

Ø 900 mm  
FAN DIAMETER

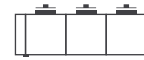
152,8 ÷ 1795,8 kW  
CAPACITY @ DT 15K

4 ÷ 16  
NUMBER OF FANS

MISTRAL-W W90-2.2



MISTRAL-W W90-3.2



MISTRAL-W W90-4.2



MISTRAL-W W90-5.2



MISTRAL-W W90-6.2



MISTRAL-W W90-7.2

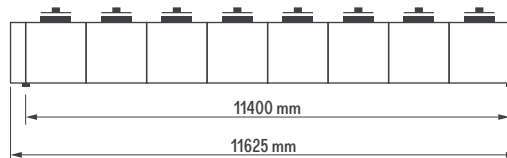
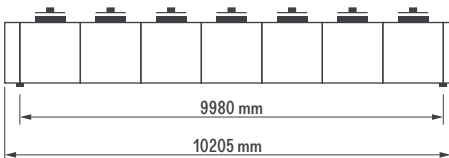
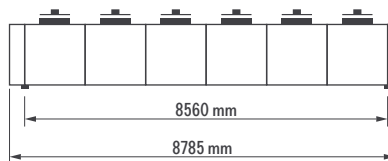
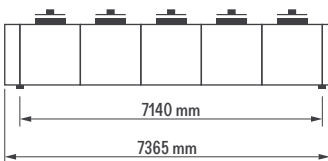
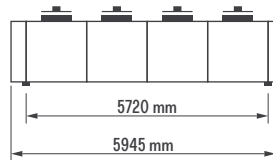
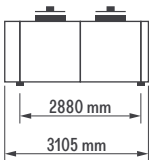
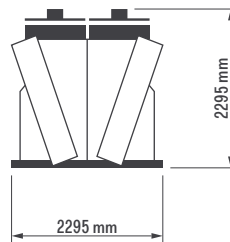
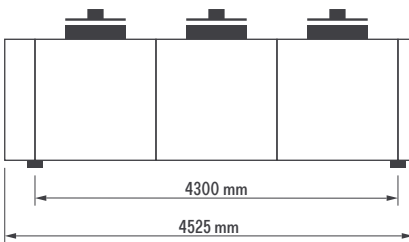


MISTRAL-W W90-8.2



## 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

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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%

# MISTRAL-W W90

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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%

# MISTRAL-W LW90

High-performance dry coolers

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Ø 900 mm  
FAN DIAMETER

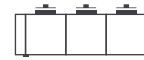
153,7 ÷ 2033,1 kW  
CAPACITY @ DT 15K

4 ÷ 18  
NUMBER OF FANS

MISTRAL-W LW90-2.2



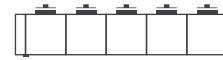
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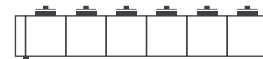
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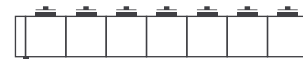
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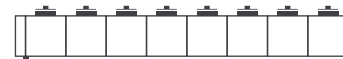
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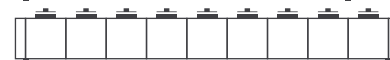
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MISTRAL-W LW90-8.2

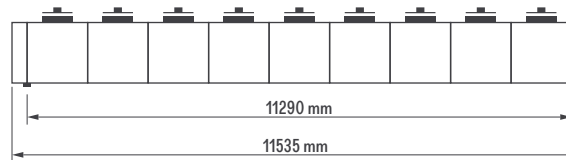
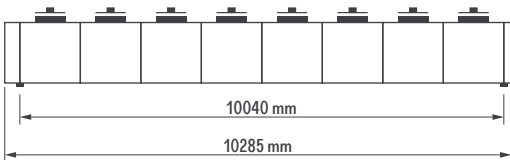
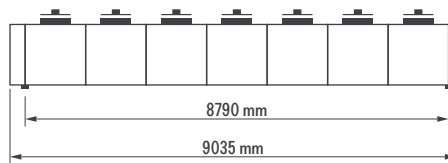
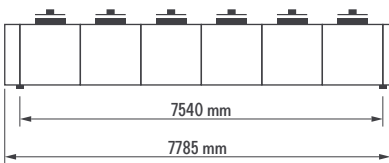
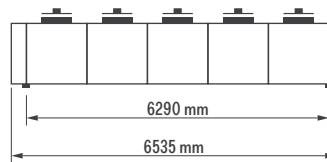
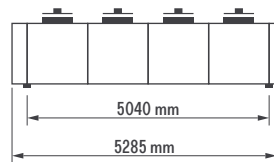
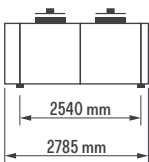
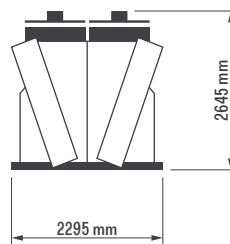
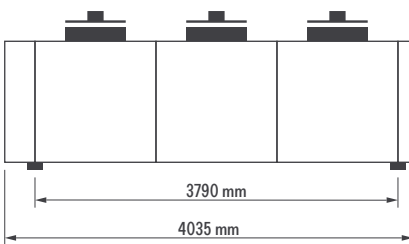


MISTRAL-W LW90-9.2



## 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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	2520	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%



# MISTRAL-W W100

High-performance dry coolers

www.kaltra.com

Ø 1000 mm  
FAN DIAMETER

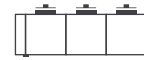
209,6 ÷ 1607,9 kW  
CAPACITY @ DT 15K

4 ÷ 16  
NUMBER OF FANS

MISTRAL-W W100-2.2



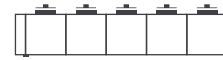
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MISTRAL-W W100-4.2



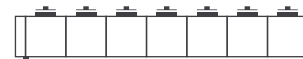
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MISTRAL-W W100-6.2



MISTRAL-W W100-7.2

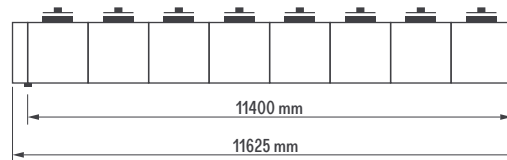
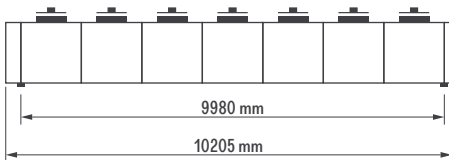
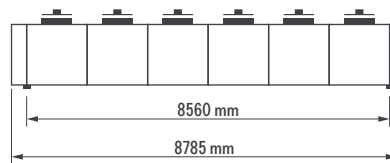
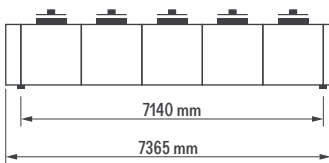
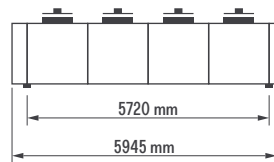
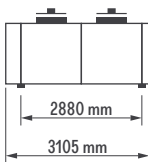
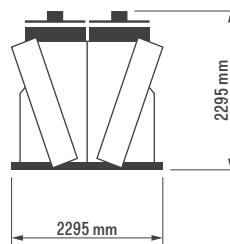
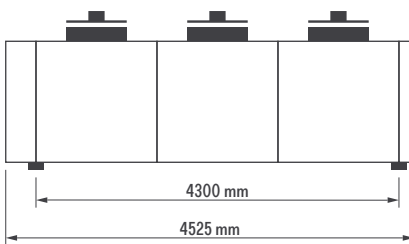


MISTRAL-W W100-8.2



## 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

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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%

# MISTRAL-W LW100

High-performance dry coolers

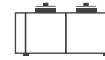
www.kaltra.com

Ø 1000 mm  
FAN DIAMETER

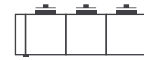
211,7 ÷ 1821,6 kW  
CAPACITY @ DT 15K

4 ÷ 18  
NUMBER OF FANS

MISTRAL-W LW100-2.2



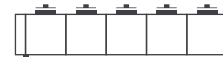
MISTRAL-W LW100-3.2



MISTRAL-W LW100-4.2



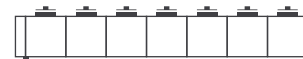
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MISTRAL-W LW100-6.2



MISTRAL-W LW100-7.2



MISTRAL-W LW100-8.2

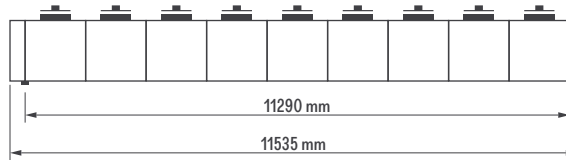
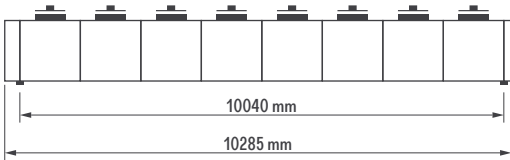
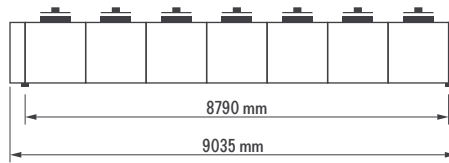
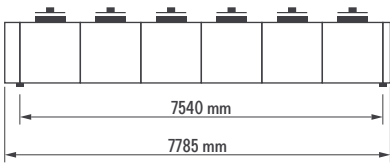
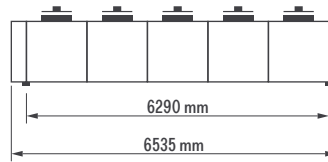
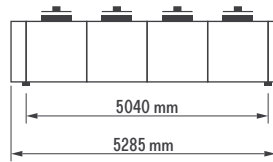
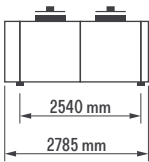
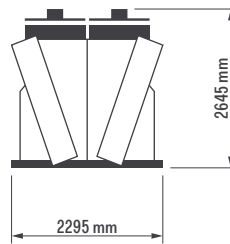
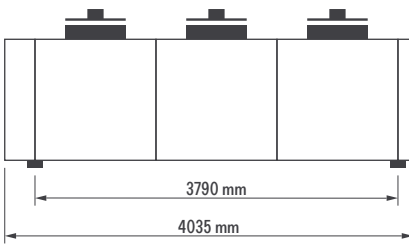


MISTRAL-W LW100-9.2



## 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 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 <sup>3</sup> /h	kPa	m <sup>3</sup> /h	dB(A)		kW	A	m <sup>2</sup>	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

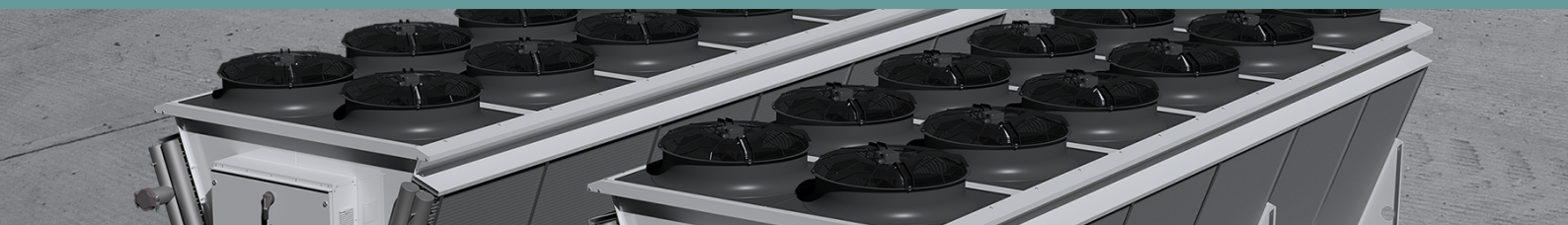
T<sub>air</sub> = 25°C • T<sub>fluid in</sub> = 40°C • T<sub>fluid out</sub> = 35°C • Ethylene glycol 35%

# MISTRAL-W

High-performance dry coolers

## SELECTION GUIDE

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