

MVCMT



Centrifugal, medium pressure, single inlet fans with sheet steel casing and straight blade impeller for transporting dust and solids



Fan:

- Sheet steel casing
- Straight blade impeller made of sheet steel

Motor:

- IE3 efficiency motors for powers equal to or greater than 0.75 kW except single-phase, 2-speed and 8-pole
- Class F motors with ball bearings and IP55 protection
- Three-phase 230/400 V-50 Hz (up to 4 kW) and 400/690 V-50 Hz (powers higher than 4 kW)
- Maximum temperature of air to be carried: -20°C to +120°C

Finish:

- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment

On request:

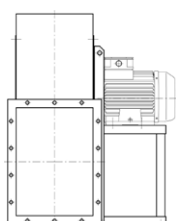
- Special windings for different voltages
- Fan prepared for air transmission of up to 250°C
- Category 2 ATEX certification



Extremely robust radial impeller

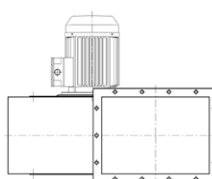
Direct drive motor construction method

SYSTEM 4



Direct drive, impeller mounted on the motor shaft, mounted on the pedestal.

SYSTEM 5



Direct drive, impeller mounted on the motor shaft, flange motor mounted on the fan casing.

Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power	Maximum flow rate	Sound pressure level	Approx. weight
	(r/min)	230 V	400 V	690 V	(kW)	(m³/h)	dB(A)	(kg)
MVCMT-922-2T IE3	2830	4.03	2.34		1.10	2180	71	23
MVCMT-922-4T	1380	2.92	1.69		0.55	1080	66	20
MVCMT-1025-2T IE3	2875	5.34	3.07		1.50	2850	74	35
MVCMT-1025-4T	1380	2.92	1.69		0.55	1390	70	27
MVCMT-1128-2T IE3	2910	7.32	4.21		2.20	4500	76	42
MVCMT-1128-4T	1380	2.92	1.69		0.55	2250	72	30
MVCMT-1231-2T-4 IE3	2910	10.00	5.77		3.00	5220	78	57
MVCMT-1231-2T-5.5 IE3	2900	13.00	7.50		4.00	6300	79	79
MVCMT-1231-4T IE3	1455	4.07	2.34		1.10	3000	73	47
MVCMT-1435-2T-7.5 IE3	2930		10.10	5.86	5.50	7800	85	109
MVCMT-1435-2T-10 IE3	2930		14.10	8.17	7.50	8260	87	91
MVCMT-1435-4T IE3	1435	7.93	4.56		2.20	4175	76	63
MVCMT-1640-2T-7.5 IE3	2930		10.10	5.86	5.50	5600	88	119
MVCMT-1640-2T-10 IE3	2930		14.10	8.17	7.50	9600	90	101
MVCMT-1640-4T IE3	1435	7.93	4.56		2.20	4800	77	79
MVCMT-1845-2T-10 IE3	2930		14.10	8.17	7.50	5000	89	151
MVCMT-1845-2T-15 IE3	2945		20.00	11.60	11.00	10500	91	215
MVCMT-1845-2T-20 IE3	2945		27.70	16.10	15.00	13000	94	218
MVCMT-1845-4T IE3	1450	13.90	8.00		4.00	8200	80	146

Acoustic characteristics

Sound power spectrum Lw(A) in dB(A) per frequency band in Hz.

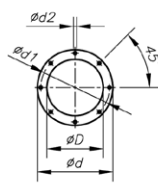
Model	63	125	250	500	1000	2000	4000	8000
922-2	45	61	76	76	77	74	72	63
922-4	40	56	71	71	72	69	67	58
1025-2	48	64	79	79	80	77	75	66
1025-4	44	60	75	75	76	73	71	62
1128-2	50	66	81	81	82	79	77	68
1128-4	46	62	77	77	78	75	73	64
1231-2-4	55	70	86	85	87	83	81	73
1231-2-5,5	56	71	87	86	88	84	82	74
1231-4	50	65	81	80	82	78	76	68
1435-2-7,5	62	77	93	92	94	90	88	80
1435-2-10	64	79	95	94	96	92	90	82

Model	63	125	250	500	1000	2000	4000	8000
1435-4	53	68	84	83	85	81	79	71
1640-2-7,5	65	80	96	95	97	93	91	83
1640-2-10	67	82	98	97	99	95	93	85
1640-4	54	69	85	84	86	82	80	72
1845-2-10	68	83	98	98	99	96	94	85
1845-2-15	70	85	100	100	101	98	96	87
1845-2-20	73	88	103	103	104	101	99	90
1845-4	59	74	89	89	90	87	85	76
2050-2-25	77	92	107	107	108	105	103	94
2050-2-30	78	93	108	108	109	106	104	95
2050-4	64	79	94	94	95	92	90	81

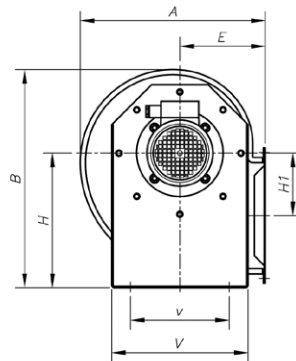
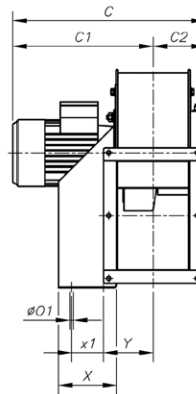
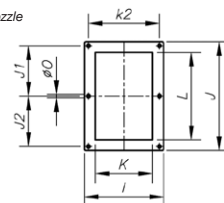
Dimensions mm

MVCMT-922...1231

Inlet nozzle



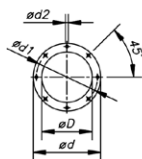
Outlet nozzle



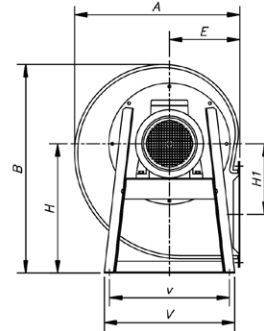
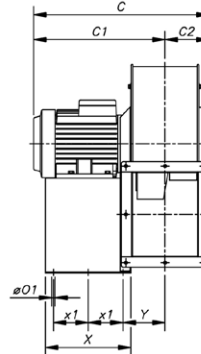
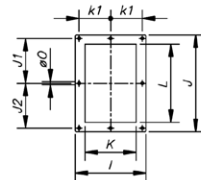
	A	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	x1	Y
MVCMT-922	388.5	455	416	309	107	170	244	210	9.5	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
MVCMT-1025-2T	427	503	490	369.5	120.5	190	264	230	9.5	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
MVCMT-1025-4T	427	503	445	325	120	190	264	230	9.5	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
MVCMT-1128-2T	472	553	505	377	128	210	284	249	9.5	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
MVCMT-1128-4T	472	553	460	332	128	210	284	249	9.5	216	340	152	244	364	170	180	220	296.5	9.5	12.5	348	245	144	95	122.5
MVCMT-1231-2T-4	526	630	555	417	138	240	305	275	9.5	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	125
MVCMT-1231-2T-5/5	526	630	578	440	138	240	305	275	9.5	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	125
MVCMT-1231-4T	526	630	528	390	138	240	305	275	9.5	238	390	179.5	264	382.5	180	200	240	320	11.5	13	382	322	183	140	125

MVCMT-1435...2050

Inlet nozzle



Outlet nozzle



	A	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	I	J	J1	K	k1	L	øO	øO1	V	v	X	x1	Y
MVCMT-1435-2T	573.5	715	661	504	157	276	344	310	9.5	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	149
MVCMT-1435-4T	573.5	715	588	431	157	276	344	310	9.5	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	149
MVCMT-1640-2T	634	799	673	504	169	276	344	310	9.5	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	161
MVCMT-1640-4T	634	799	612	443	169	276	344	310	9.5	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	161
MVCMT-1845-2T-10	711	901	712	521	191	350	434	395	9.5	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	178
MVCMT-1845-2T-15	711	901	817	626	191	350	434	395	9.5	302	560	305	370	444	202	284	164	361	11.5	12	538	502	420	180	178
MVCMT-1845-2T-20	711	901	817	626	191	350	434	395	9.5	302	560	305	370	444	202	284	164	361	11.5	12	538	502	420	180	178
MVCMT-1845-4T	711	901	674	483	191	350	434	395	9.5	302	560	305	370	444	202	284	164	361	11.5	12	538	502	340	140	178

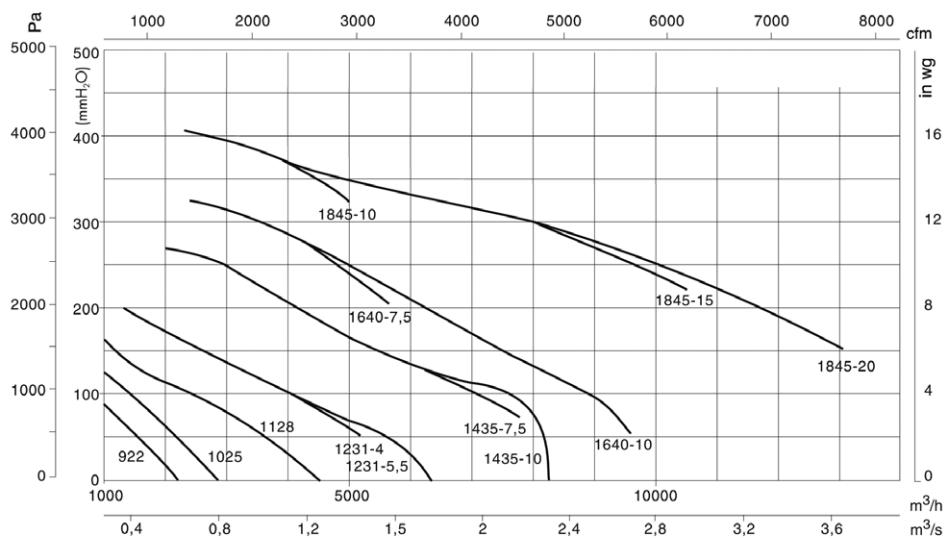


Characteristic curves

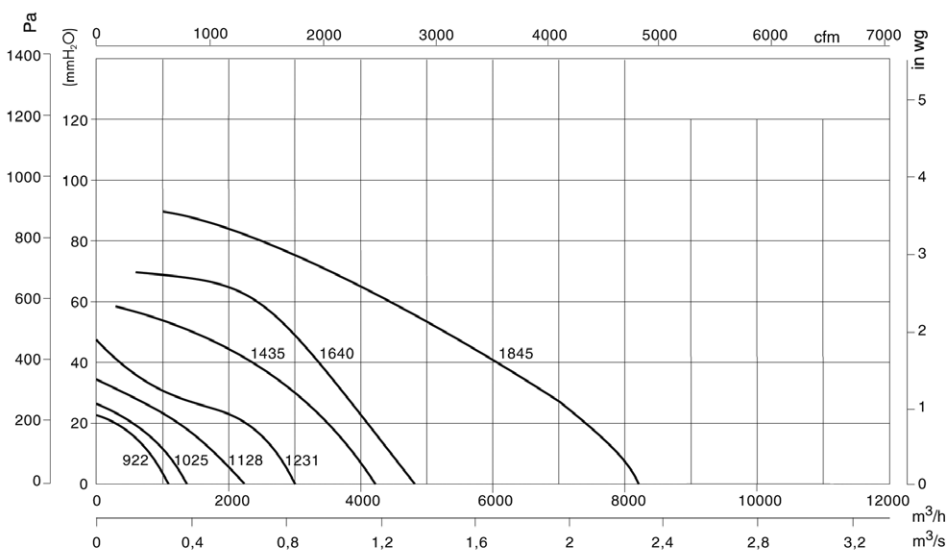
Q = Flow rate in m³/h, m³/s and cfm.

Pe = Static pressure in mm H₂O, Pa and inwg.

MVCMT 922...1845



MVCMT 922...1845



Orientations

Standard supply LG 270

Positions LG 180 and RD 180 on request with special anchoring measurements.



Accessories

See accessories section.

