CMT

Medium pressure single inlet centrifugal fans with casing and straight blade impeller, made of sheet steel for conveying powder and solid material

Fan:
- Sheet steel casing.
- Straight blade impeller made of sheet steel.

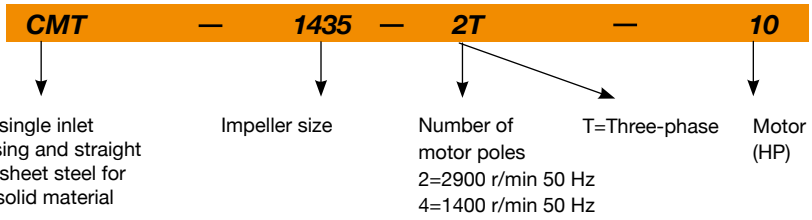
Motor:
- Motors with IE3 efficiency for powers equal to or greater than 0.75kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to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

Finishing:
- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:
- Special windings for different voltages.
- Fan prepared to transport air up to +250 °C.
- ATEX certified Category 2.

Extremely robust radial impeller

Order code



Technical characteristics

Model	Speed	Maximum admissible current (A)			Installed power	Maximum flow rate	Sound pressure level	Approx. weight
	(r/min)	230V	400V	690V	(kW)	(m^3/h)	dB(A)	(Kg)
CMT-922-2T IE3	2830	4.03	2.34		1.1	2180	71	23
CMT-1025-2T IE3	2875	5.34	3.07		1.5	2850	74	35
CMT-1128-2T IE3	2910	7.32	4.21		2.2	4500	76	42
CMT-1231-2T-4 IE3	2910	10.00	5.77		3	5220	78	57
CMT-1231-2T-5.5 IE3	2900	13.00	7.50		4	6300	79	79
CMT-1435-2T-7.5 IE3	2930		10.10	5.86	5.5	7800	85	109
CMT-1435-2T-10 IE3	2930		14.10	8.17	7.5	8260	87	91
CMT-1640-2T-10 IE3	2930		14.10	8.17	7.5	9600	90	101
CMT-1845-2T-15 IE3	2945		20.00	11.60	11	10500	91	215
CMT-1845-2T-20 IE3	2945		27.70	16.10	15	13000	94	218

Acoustic characteristics

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

	63	125	250	500	1000	2000	4000	8000
922-2	45	61	76	76	77	74	72	63
1025-2	48	64	79	79	80	77	75	66
1128-2	50	66	81	81	82	79	77	68
1231-2-4	55	70	86	85	87	83	81	73
1231-2-5.5	56	71	87	86	88	84	82	74

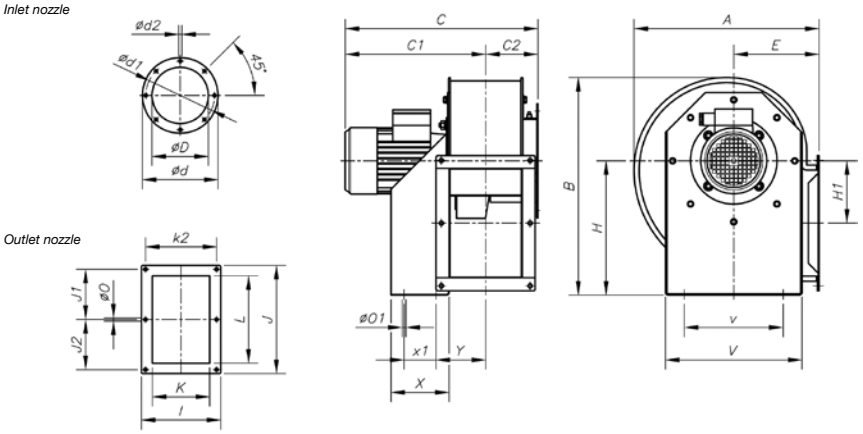
	63	125	250	500	1000	2000	4000	8000
1435-2-7.5	62	77	93	92	94	90	88	80
1435-2-10	64	79	95	94	96	92	90	82
1640-2-10	67	82	98	97	99	95	93	85
1845-2-15	70	85	100	100	101	98	96	87
1845-2-20	73	88	103	103	104	101	99	90

Dimensions mm

CMT-922...1231

Inlet nozzle

Outlet nozzle

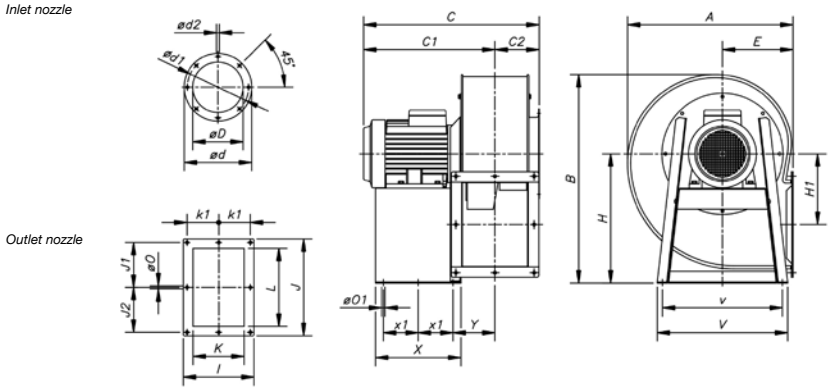


	A	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	I	J	J1	K	k2	L	øO	øO1	V	v	X	x1	Y
CMT-922	388.5	455	416	309	107	170	244	210	9.5	180	280	134	204	282.5	128	140	180	215	9.5	10.5	290	220	114	50	105
CMT-1025-2T	427	503	490	369.5	120.5	190	264	230	9.5	197	310	144	229	312.5	145	165	205	250	9.5	12.5	315	228	134	74	115.5
CMT-1128-2T	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
CMT-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
CMT-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

CMT-1435...2050

Inlet nozzle

Outlet nozzle

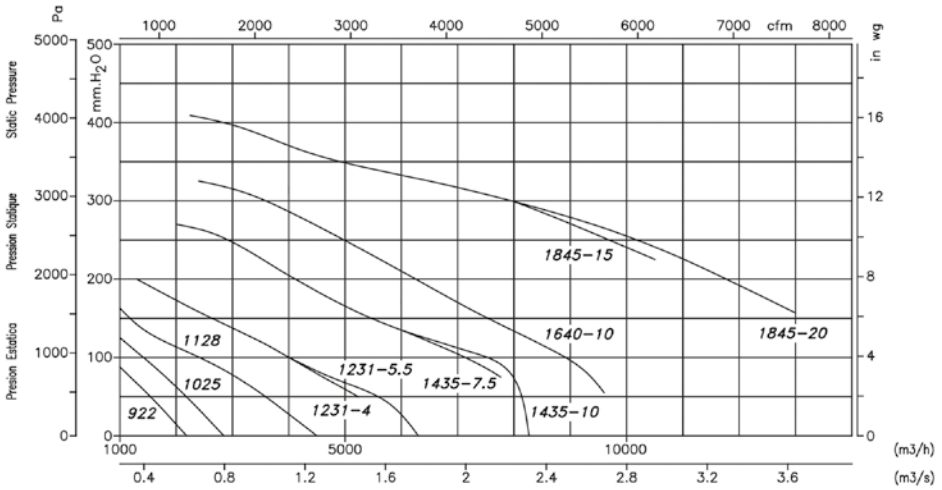


	A	B	C	C1	C2	øD	ød	ød1	ød2	E	H	H1	I	J	J1	K	k1	L	øO	øO1	V	v	X	x1	Y
CMT-1435-2T	573.5	715	661	504	157	276	344	310	9.5	250	445	242.5	292	342.5	159	228	133	280	11.5	12	456	420	333	136.5	149
CMT-1640-2T	634	799	673	504	169	276	344	310	9.5	270	495	271	336	404	185	250	150	321	11.5	12	500	460	327	133.5	161
CMT-1845-2T-15	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
CMT-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

SMALL SERIES

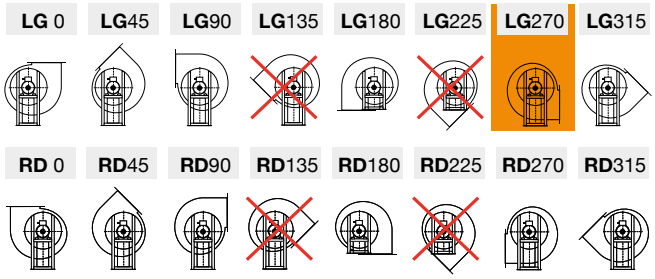
Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm Pe= Static pressure in mm H_2O, Pa and inwg



Orientations

Standard supply LG 270
Positions LG 180 and RD 180 on request with special anchoring measurements.



Accessories

INT C2V RM VSD3/A-RFT AET RPA B BIC ACE

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