CPV/ATEX

Centrifugal fans made of corrosion-proof antistatic plastic material, with ATEX 2G or 2D certification and Ex db, Ex eb or Ex tb motor

Notified authority: LOM
Identification no.: LOM 04ATEX0007
Motor marking:
⟨Ex⟩ II 2G Ex db IIB T4 Gb
⟨Ex⟩ II 2G Ex eb IIB T3 Gb
⟨Ex⟩ II 2D Ex tb IIIC T135 ºC Db

Centrifugal single inlet fans made of ATEX antistatic plastic material. ATEX 2G or 2D certification with flameproof Ex db, increased safety Ex eb or dust ignition proof Ex tb motor to work in explosive gas or dust atmospheres.

Fan:
- Casing made of ATEX antistatic plastic material.
- Forward curved impeller, in ATEX antistatic plastic material.
- Temperature of the air to be carried: -25 ºC to +60 ºC.
- Standard marking with flameproof motor (Ex db): II 2G Ex h IIB T4 Gb.
- Standard marking with increased safety motor (Ex eb): II 2G Ex h IIB T3 Gb.
- Standard marking with motor for dust ignition proof (Ex tb): II 2D Ex h IIIC T135 ºC Db.

Motor:
- Class F motors with ball bearings, IP55 protection. ATEX certification flameproof Ex db, increased safety Ex eb or dust ignition proof Ex tb.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -20 ºC +40 ºC.

Finish:
- Anti-corrosive in ATEX plastic material.

On request:
- Motors with built-in PTC.
- Special windings for different voltages and frequencies.
- ATEX construction for flammable dust.
- ATEX fan with greater protection than the standard marking.

Order code

CPV/ATEX	—	1325	—	4T	/	2G Ex eb
CPV/ATEX: Centrifugal fans made of corrosion-proof antistatic plastic material, with ATEX 2G or 2D certification and Ex db, Ex eb or Ex tb motor		Impeller size		Number of motor poles 2=3000 r/min 50 Hz 4=1500 r/min 50 Hz 6=1000 r/min 50 Hz	T = Three-phase	2G Ex eb: for zones 1 and 2 2G Ex db: for zones 1 and 2 2D Ex tb: for zones 21 and 22

Technical characteristics

Model	Speed	Maximum admissible current (A)		Installed power	Maximum flow rate	Sound pressure level[1] dB (A)	Approx. weight (Kg)	
	(r/min)	230V	400V	(kW)	(m^3/h)	Inlet	Ex eb	Ex db
CPV/ATEX-815-2T	2810	1.62	0.93	0.37	950	65	10	11
CPV/ATEX-815-4T	1360	1.25	0.72	0.25	450	48	10	10
CPV/ATEX-1020-2T	2800	3.03	1.74	0.75	2000	71	14	14
CPV/ATEX-1020-4T	1360	1.25	0.72	0.25	1250	55	10	11
CPV/ATEX-1020-6T	880	2.42	1.40	0.25	750	43	11	12
CPV/ATEX-1325-2T	2850	8.73	5.02	2.20	3250	79	20	24
CPV/ATEX-1325-4T	1360	2.60	1.50	0.37	2300	61	12	13
CPV/ATEX-1325-6T	880	2.42	1.40	0.25	1400	51	12	14
CPV/ATEX-1630-4T	1420	6.93	4.00	1.50	4500	69	22	25
CPV/ATEX-1630-6T	910	3.46	2.00	0.55	2700	57	19	20

1. The noise level values are pressures in dB(A) measured at a distance of 3 metres in a free field.

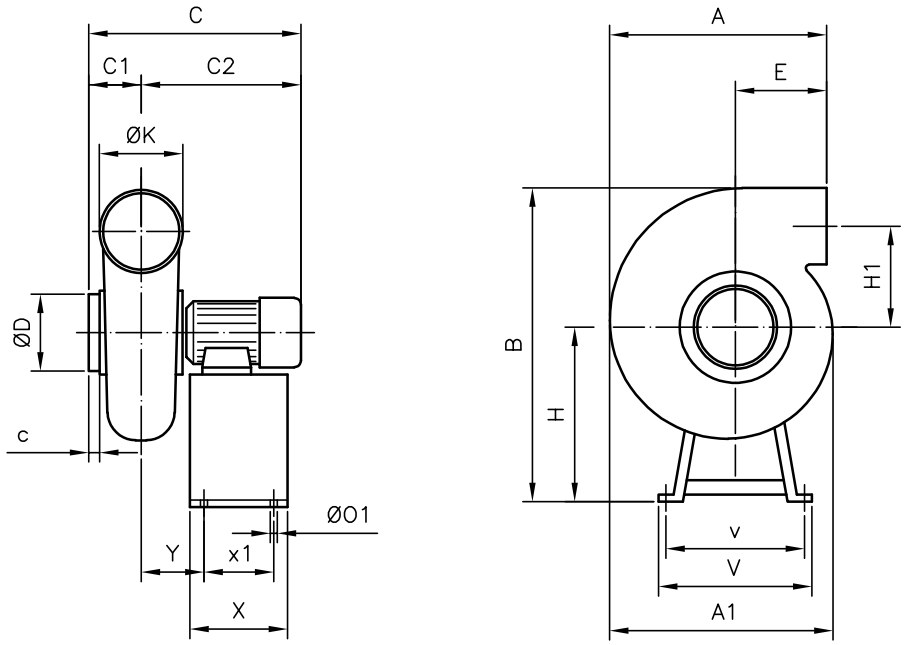
Acoustic characteristics

The values given are obtained under laboratory conditions according to ISO 3744.
Sound power spectrum Lw(A) in dB(A) per Hz frequency band
Values measured at inlet with maximum flow rate

	63	125	250	500	1000	2000	4000	8000
CPV/ATEX-815-2T	56	69	77	81	81	77	73	65
CPV/ATEX-815-4T	39	52	60	64	64	60	56	48
CPV/ATEX-1020-2T	62	75	83	87	87	83	79	71
CPV/ATEX-1020-4T	46	59	67	71	71	67	63	55
CPV/ATEX-1020-6T	34	47	55	59	59	55	51	43

	63	125	250	500	1000	2000	4000	8000
CPV/ATEX-1325-2T	70	83	91	95	96	92	88	79
CPV/ATEX-1325-4T	52	65	73	77	78	74	70	61
CPV/ATEX-1325-6T	42	55	63	67	68	64	60	51
CPV/ATEX-1630-4T	60	73	81	85	86	82	78	69
CPV/ATEX-1630-6T	48	61	69	73	74	70	66	57

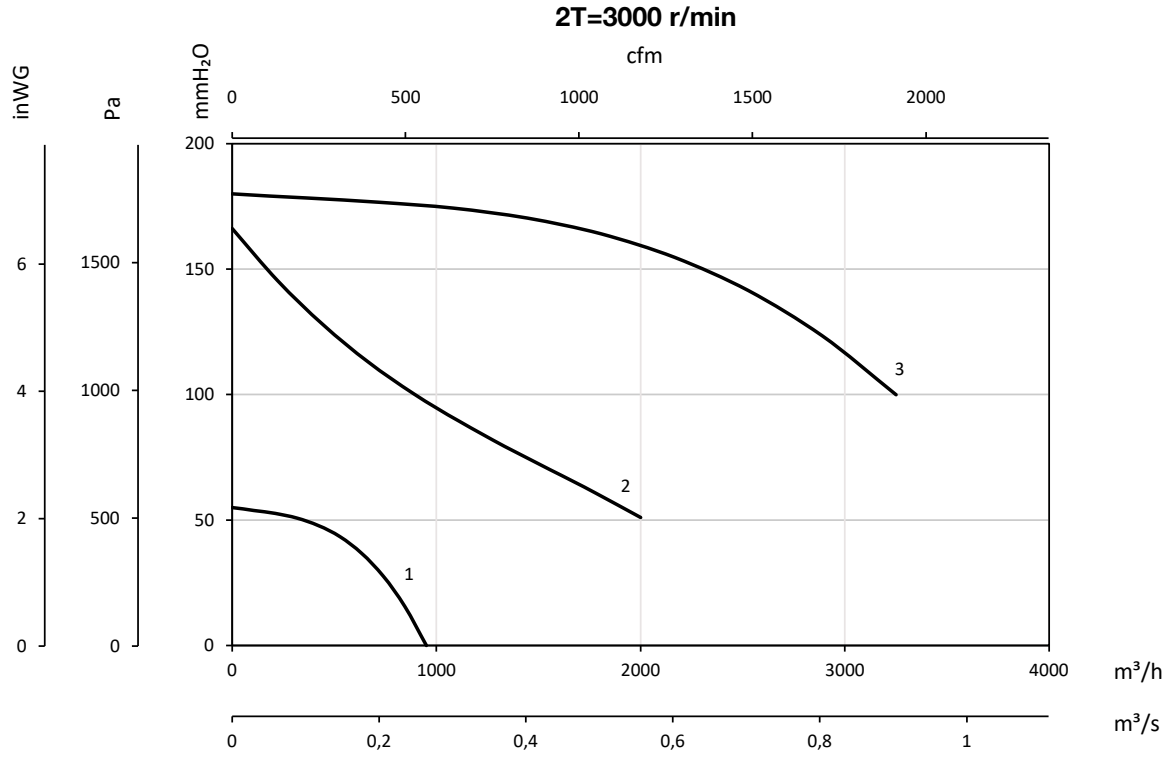
Dimensions mm



	A	A1	B	C	C1	C2	c	ØD	E	H	H1	ØK	ØO1	V	v	X	x1	Y
CPV/ATEX-815-2T	307	335	521	360	100	260	30	125	100	281	177.5	125	8	355	335	180	160	90
CPV/ATEX-815-4T	307	335	521	360	100	260	30	125	100	281	177.5	125	8	355	335	180	160	90
CPV/ATEX-1020-2T	340	397	593	445.5	116	329.5	32	160	100	290	223	160	8	355	335	180	160	127.5
CPV/ATEX-1020-4T	340	397	584	422.5	116	306.5	32	160	100	281	223	160	8	355	335	180	160	122.5
CPV/ATEX-1020-6T	340	397	584	422.5	116	306.5	32	160	100	281	223	160	8	355	335	180	160	122.5
CPV/ATEX-1325-2T	413	505	735	494	130	364	35	200	103	370	265	200	8	400	380	180	160	125
CPV/ATEX-1325-4T	413	505	716	432.5	130	302.5	35	200	103	351	265	200	8	400	380	180	160	113.5
CPV/ATEX-1325-6T	413	505	716	432.5	130	302.5	35	200	103	351	265	200	8	400	380	180	160	113.5
CPV/ATEX-1630-4T	480	602	890	536.5	145	391.5	35	250	117	440	323	250	8	450	430	240	220	142.5
CPV/ATEX-1630-6T	480	602	880	503	145	358	35	250	117	430	323	250	8	450	430	240	220	138

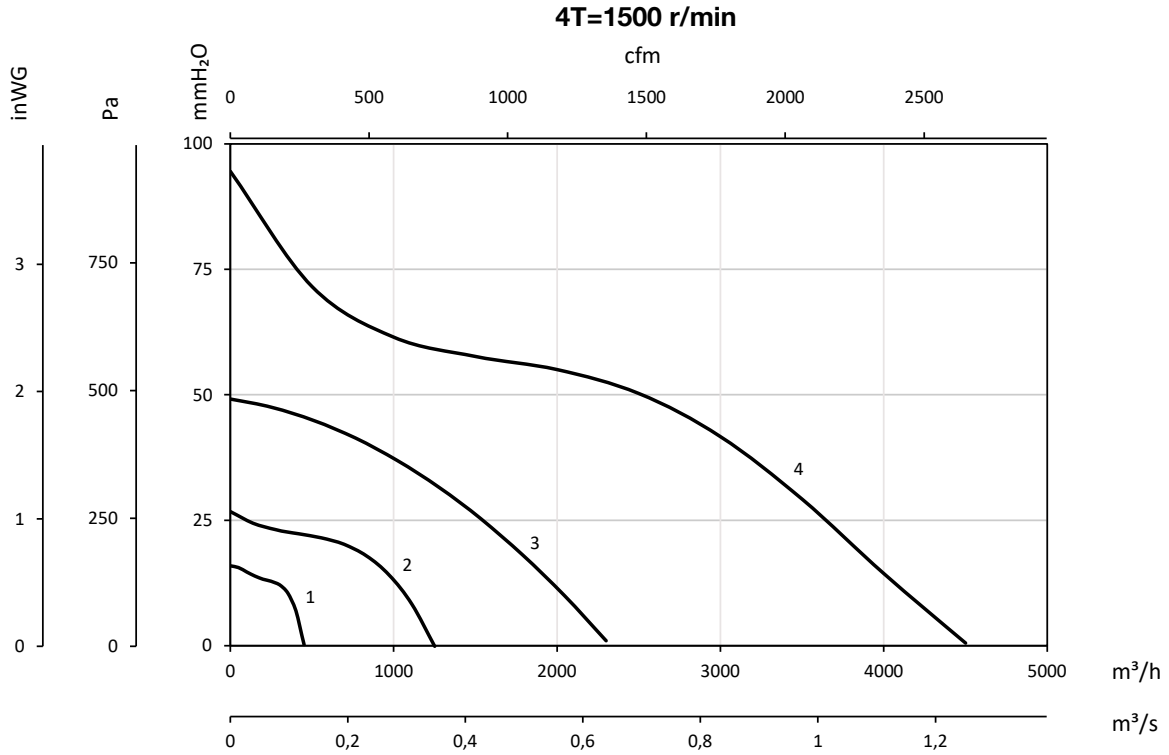
Characteristic curves

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



1 : CPV/ATEX-815-2T
2 : CPV/ATEX-1020-2T

3 : CPV/ATEX-1325-2T



1 : CPV/ATEX-815-4T
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3 : CPV/ATEX-1325-4T
4 : CPV/ATEX-1630-4T

Characteristic curves

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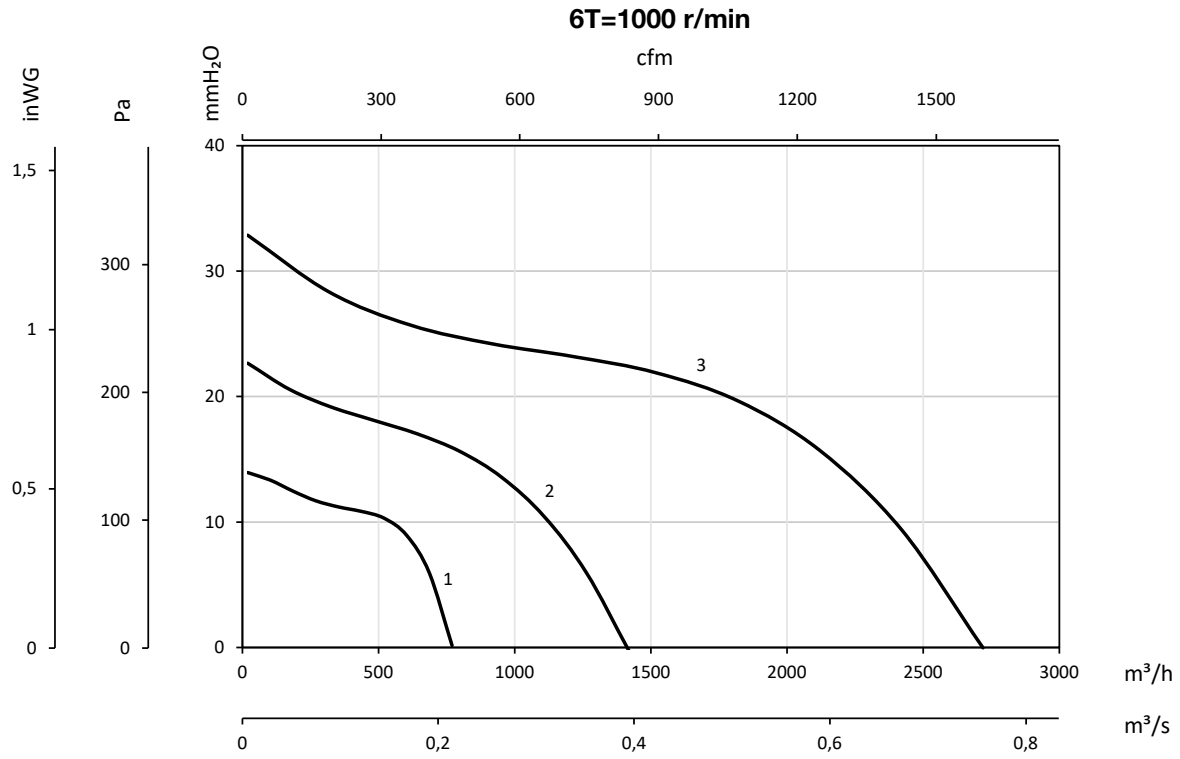
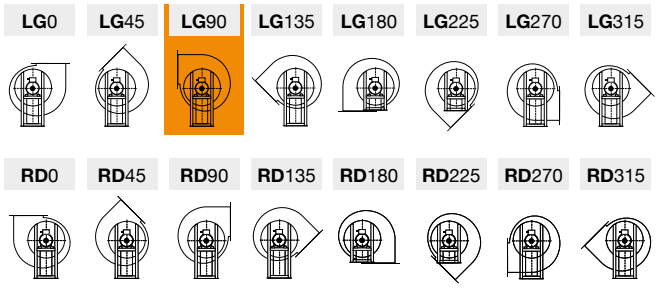


1 : CPV/ATEX-1020-6T
2 : CPV/ATEX-1325-6T

3 : CPV/ATEX-1630-6T

Orientations

Standard supply LG 90
Positions LG 180, RD 180, LG 270 and RD 270 on request with special anchoring measurements.



Accessories

INT/ATEX