

CPV/ATEX

Plastic anticorrosive centrifugal fans with ATEX certification



Centrifugal single-inlet fans manufactured in ATEX anti-static plastic material to operate in explosive atmospheres with anti-explosive CEE ExII3G EEx e or anti-deflagrating CEE ExII3G EEx d motor.

Fan:

- Casing in ATEX anti-static plastic material
- Turbine with forward-facing blades, in ATEX anti-static plastic material

Motor:

- Class F motors, with ball bearings, IP55 protection and ATEX certification, EEx"e" explosion-proof, EEx"d" flame-resistant
- Three-phase 230/400V.-50Hz. (up to 5.5CV.) and 400/690V.-50Hz. (power over 5.5CV.)
- Max. air temperature to transport: -20°C.+ 80°C.

Finish:

- ATEX plastic material anticorrosive

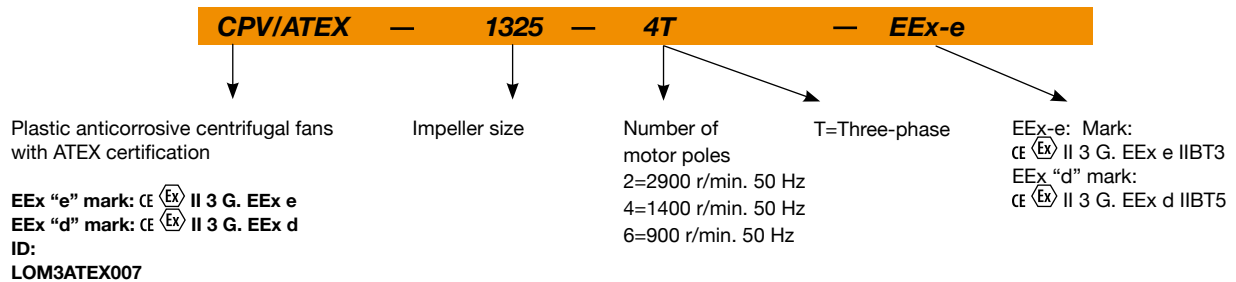
On request:

- Motors with built-in PTC
- Special windings for different voltages and frequencies
- ATEX construction for different categories



EEx "e" mark: CE II 3 G. EEx e
EEx "d" mark: CE II 3 G. EEx d
ID:
LOM3ATEX007

Order code



Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight (Kg)
		230V	400V				
CPV/ATEX-815-2T	2810	1.73	1.00	0.37	950	75	14.0
CPV/ATEX-815-4T	1360	1.32	0.76	0.25	450	58	14.0
CPV/ATEX-1020-2T	2800	3.00	1.73	0.75	2000	81	19.5
CPV/ATEX-1020-4T	1360	1.32	0.76	0.25	1250	65	19.5
CPV/ATEX-1020-6T	880	1.67	0.96	0.25	750	53	19.5
CPV/ATEX-1325-2T	2850	7.97	4.60	2.20	3250	87	27.0
CPV/ATEX-1325-4T	1360	1.78	1.03	0.37	2300	69	27.0
CPV/ATEX-1325-6T	880	1.67	0.96	0.25	1400	59	27.0
CPV/ATEX-1630-4T	1420	5.98	3.45	1.50	4500	75	34.5
CPV/ATEX-1630-6T	910	2.80	1.61	0.55	2700	63	34.5

Acoustic features

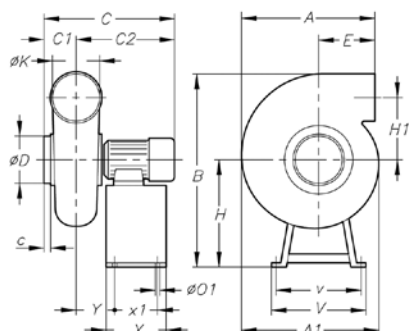
The specified values are determined according to free field measurements of pressure and sound levels in dB(A) at an equivalent distance of twice the fan's span plus the turbine's diameter, with a minimum of 1.5 m.

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

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
815-2	56	69	77	81	81	77	73	65	1325-2	70	83	91	95	96	92	88	79
815-4	39	52	60	64	64	60	56	48	1325-4	52	65	73	77	78	74	70	61
1020-2	62	75	83	87	87	83	79	71	1325-6	42	55	63	67	68	64	60	51
1020-4	46	59	67	71	71	67	63	55	1630-4	60	73	81	85	86	82	78	69
1020-6	34	47	55	59	59	55	51	43	1630-6	48	61	69	73	74	70	66	57

Dimensions in mm

CPV-815...1630



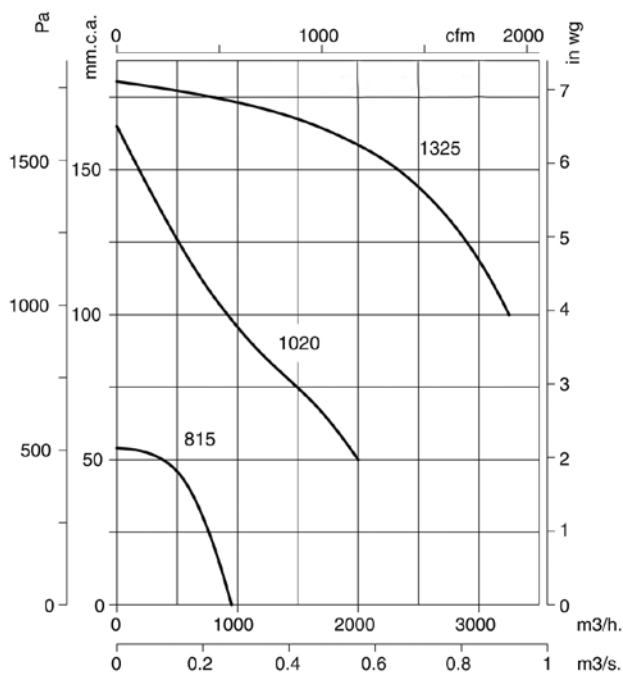
Model	A	A1	B	C	C1	C2	c	ØD	E	H	H1	ØK	ØO1	V	v	X	x1	Y
CPV/ATEX-815	303	335	521	360	100	260	30	125	100	281	177,5	125	8	355	335	180	160	90
CPV/ATEX-1020-2T	340	397	593	445,5	116	329,5	32	160	100	290	223	160	8	355	335	180	160	127,5
CPV/ATEX-1020-4/6T	340	397	584	422,5	116	306,5	32	160	100	281	223	160	8	355	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-1325-4/6T	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	490	602	890	536,5	145	391,5	35	250	117	440	323	250	8	450	430	240	220	142,5
CPV/ATEX-1630-6T	490	602	880	503	145	358	35	250	117	430	323	250	8	450	430	240	220	138

Characteristic curves

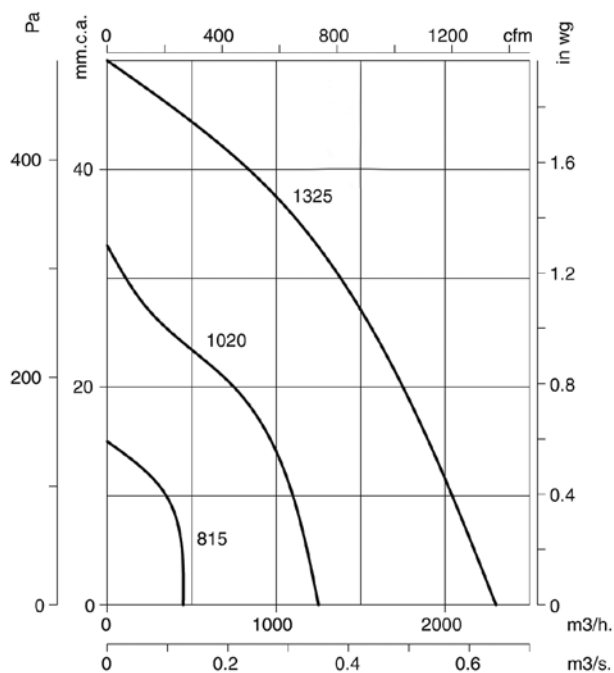
Q = Airflow in m³/h, m³/s and cfm.

Pe = Static pressure in mm.w.c., Pa and inwg.

2T=3000 r/min.



4T=1500 r/min.

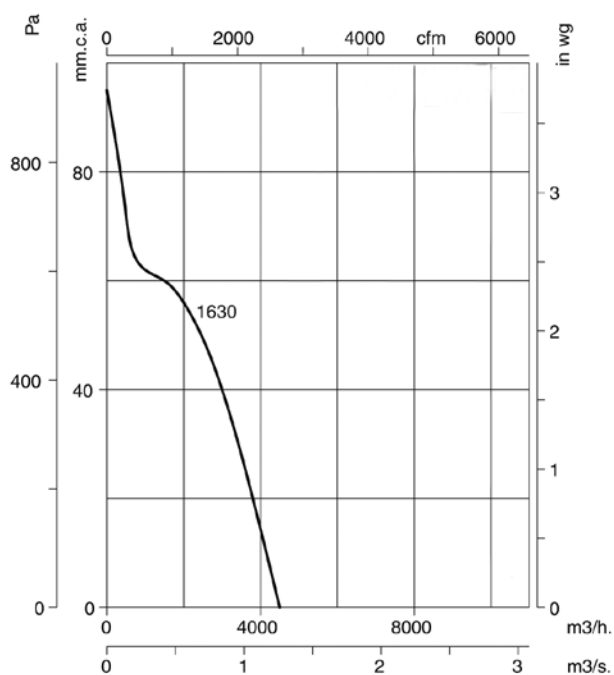


Characteristic curves

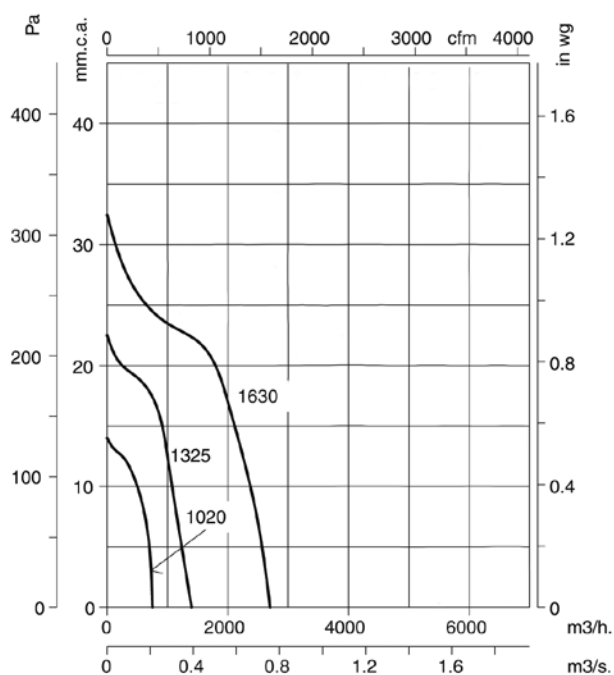
Q = Airflow in m³/h, m³/s and cfm.

Pe= Static pressure in mm.w.c., Pa and inwg.

4T=1500 r/min.



6T=1000 r/min.



Positions

LG 90 standard supply



Accessories

See accessories section.

