

CPV

Single inlet anti-corrosive centrifugal fans made of polypropylene



Fan:

- Polypropylene casing.
- Forward curved impeller in polypropylene.
- Maximum temperature of air to be carried: -25 °C +70 °C.

Motor:

- Motors with IE3 efficiency 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 greater than 4 kW).
- Working temperature: -25 °C +50 °C.

Finish:

- Anti-corrosive in plastic material.

On request:

- Special windings for different voltages.
- Category 2 ATEX certification (see CPV/ATEX series).

Order code

CPV	—	1942	—	4	—	T	—	10
↓		↓		↓		↓		↓
CPV: Single inlet anti-corrosive centrifugal fans made of polypropylene		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		Motor power (HP)

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level¹ dB (A)	Approx. weight (Kg)
		230V	400V	690V				
CPV-720-2T	2840	1.56	0.90		0.37	525	65	10
CPV-815-2T	2810	1.56	0.90		0.37	950	65	14
CPV-815-4T	1350	1.66	0.96		0.25	450	48	14
CPV-825-2T IE3	2850	4.03	2.34		1.10	1140	69	17
CPV-930-2T IE3	2880	7.32	4.21		2.20	1750	74	24
CPV-1020-2T IE3	2800	2.80	1.62		0.75	2000	71	20
CPV-1020-4T	1350	1.66	0.96		0.25	1250	55	20
CPV-1325-2T IE3	2850	7.32	4.21		2.20	3250	79	27
CPV-1325-4T	1370	2.02	1.17		0.37	2300	61	27
CPV-1325-6T	900	1.51	0.87		0.25	1400	51	27
CPV-1630-4T IE3	1420	5.41	3.11		1.50	4500	69	35
CPV-1630-6T	900	2.99	1.73		0.55	2700	57	35
CPV-1840-4T IE3	1420	10.70	6.15		3.00	6000	64	48
CPV-1840-6T IE3	945	4.68	2.69		1.10	4200	59	42
CPV-1942-4T-7.5 IE3	1450		10.30	5.97	5.50	8335	75	66
CPV-1942-4T-10 IE3	1465		13.90	8.06	7.50	10500	80	77
CPV-1942-6T IE3	930	9.08	5.22		2.20	7000	71	49
CPV-2045-4T IE3	1465		13.90	8.06	7.50	10400	72	102

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



Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Acoustic characteristics

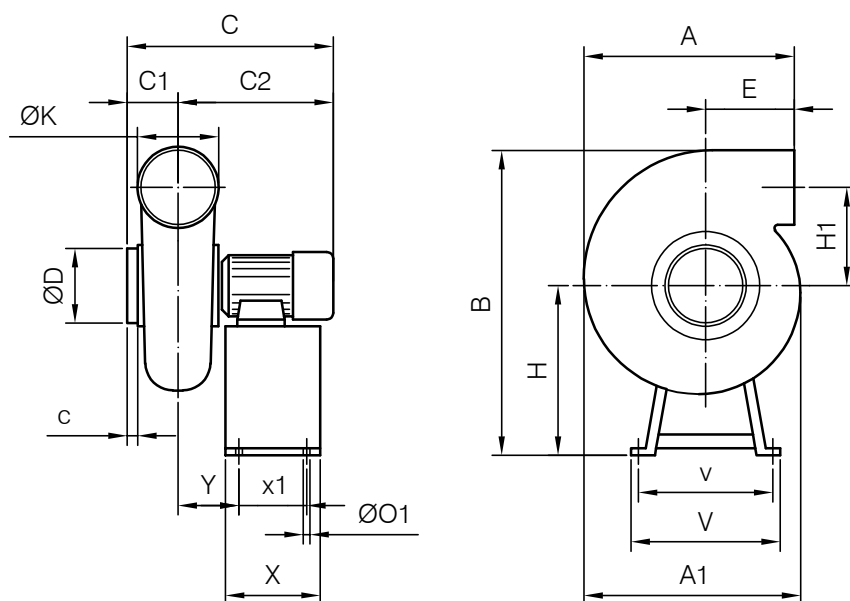
The values given are obtained under laboratory conditions according to ISO 3744.

Sound power spectrum $L_w(A)$ in dB(A) per Hz frequency band
Values measured at inlet with maximum flow rate

	63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000
720-2T	56	69	77	81	81	77	73	65	1325-6T	42	55	63	67	68	64	60	51
815-2T	56	69	77	81	81	77	73	65	1630-4T	60	73	81	85	86	82	78	69
815-4T	39	52	60	64	64	60	56	48	1630-6T	48	61	69	73	74	70	66	57
825-2T	60	73	81	85	85	81	77	69	1840-4T	55	68	76	80	81	77	73	64
930-2T	65	78	86	90	90	86	82	74	1840-6T	50	63	71	75	76	72	68	59
1020-2T	62	75	83	87	87	83	79	71	1942-4T-7.5	75	85	87	90	89	89	87	78
1020-4T	46	59	67	71	71	67	63	55	1942-4T-10	80	90	92	95	94	94	92	83
1325-2T	70	83	91	95	96	92	88	79	1942-6T	71	81	83	86	85	85	83	74
1325-4T	52	65	73	77	78	74	70	61	2045-4T	63	76	84	88	89	85	81	72

Dimensions mm

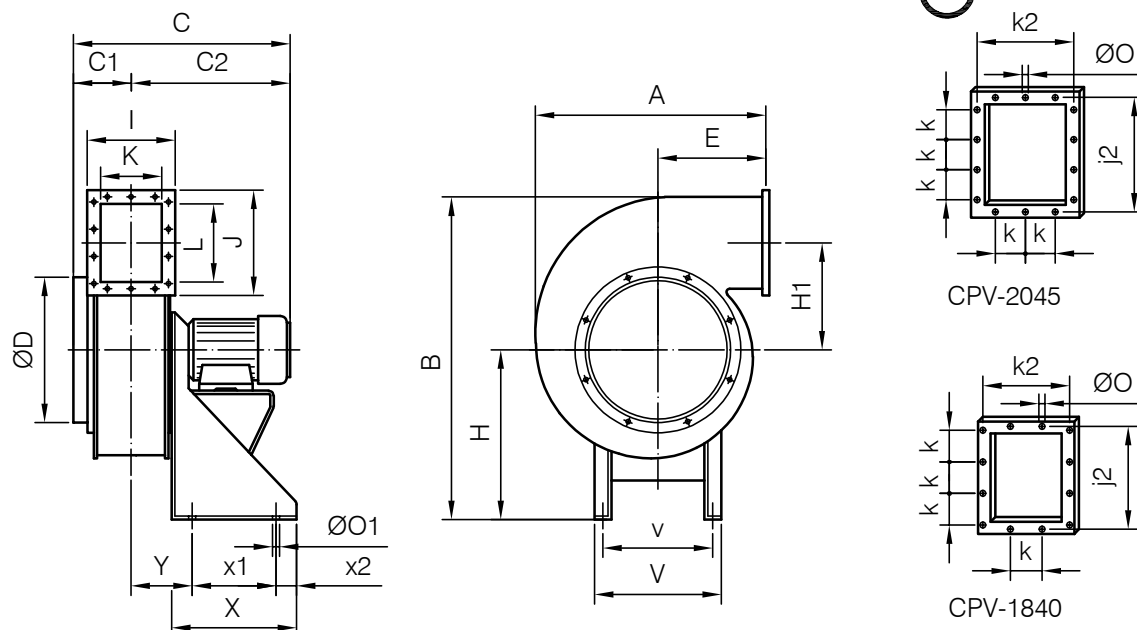
CPV-720...1942



	A	A1	B	C	C1	C2	c	ØD	E	H	H1	ØK	ØO1	V	v	X	x1	Y
CPV-720-2T	375	-	486	350	80	270	45	90	212	311	130	90	6	340	320	180	160	92
CPV-815-2T	307	335	521	360	100	260	30	125	100	281	177.5	125	8	355	335	180	160	90
CPV-815-4T	307	335	521	360	100	260	30	125	100	281	177.5	125	8	355	335	180	160	90
CPV-825-2T	445	-	552	433	110	323	55	125	218	320	170	125	6	340	320	180	160	103
CPV-930-2T	540	-	678	477	100	377	40	160	262	390	205	160	6	420	400	240	160	137
CPV-1020-2T	340	397	593	445.5	116	329.5	32	160	100	290	223	160	8	355	335	180	160	127.5
CPV-1020-4T	340	397	584	422.5	116	306.5	32	160	100	281	223	160	8	355	335	180	160	122.5
CPV-1325-2T	413	505	735	494	130	364	35	200	103	370	265	200	8	400	380	180	160	125
CPV-1325-4T	413	505	716	432.5	130	302.5	35	200	103	351	265	200	8	400	380	180	160	113.5
CPV-1325-6T	413	505	716	432.5	130	302.5	35	200	103	351	265	200	8	400	380	180	160	113.5
CPV-1630-4T	480	602	890	536.5	145	391.5	35	250	117	440	323	250	8	450	430	240	220	142.5
CPV-1630-6T	480	602	880	503	145	358	35	250	117	430	323	250	8	450	430	240	220	138
CPV-1942-4T	580	750	1170	730.5	210	520.5	60	315	130	600	412.5	315	8	600	564	350	314	181.5
CPV-1942-6T	580	750	1150	679.5	210	469.5	60	315	130	580	412.5	315	8	600	564	350	314	204

Dimensions mm

CPV-1840...2045

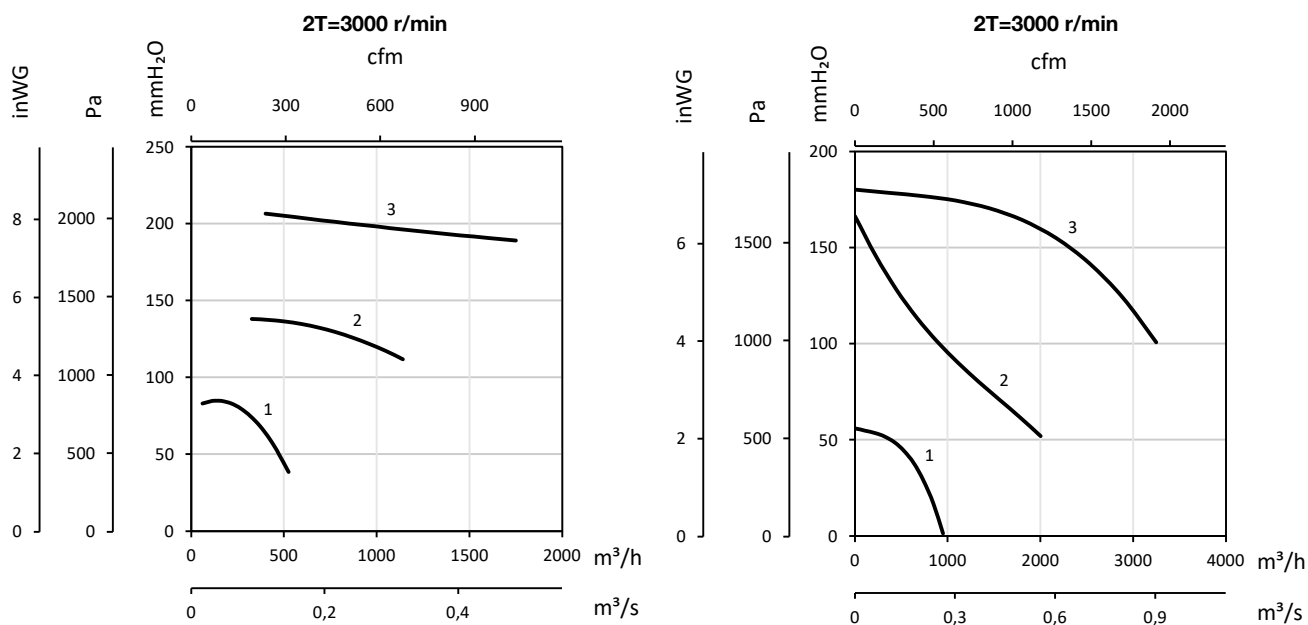


	A	B	C	C1	C2	ØD	E	H	H1	I	J	j2	K	k	k2	L	ØO	ØO1	V	v	X	x1	x2	Y
CPV-1840-4T	628	819	660	210	450	355	275	420	259	305	356	326	225	100	275	280	9	12	320	285	300	200	50	170
CPV-1840-6T	628	809	630	210	420	355	275	410	259	305	356	326	225	100	275	280	9	12	320	285	300	200	50	170
CPV-2045-4T	724	1020	810	245	565	400	300	542	310	362	421	381	270	100	322	335	9	12	350	315	350	250	50	197

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg



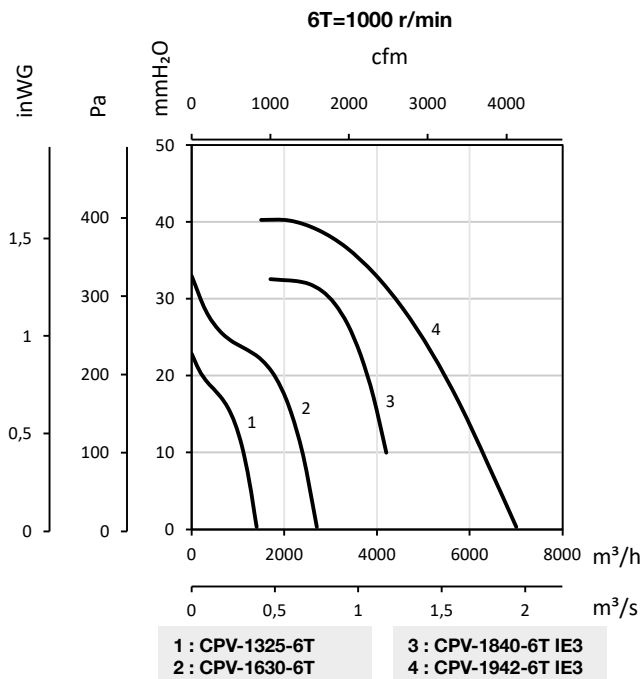
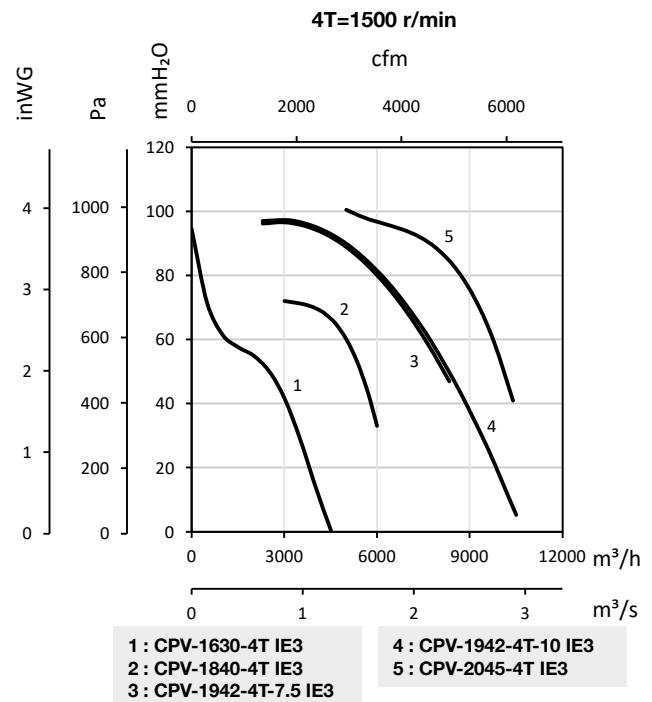
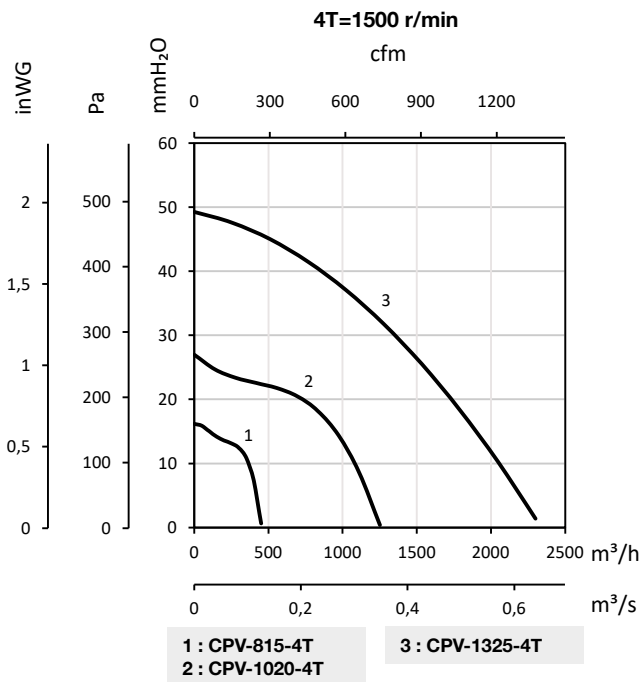
1 : CPV-720-2T
2 : CPV-825-2T IE3
3 : CPV-930-2T IE3

1 : CPV-815-2T
2 : CPV-1020-2T IE3
3 : CPV-1325-2T IE3

Characteristic curves

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Accessories



Orientations

Standard supply LG 90.

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

