

# CBP CBPC



**CBP: Centrifugal fans of medium pressure and single inlet, equipped with backward curved impeller with self-cleaning effect, specially designed for painting booths**

**CBPC: Centrifugal fans of medium pressure and single inlet, equipped with backward curved impeller with self-cleaning effect, specially designed for painting booths, with vertical outlet**



**Fan:**

- Sheet steel casing.
- Backward curved impeller made of sheet steel.
- With inspection hatch.
- CBPC: With vertical outlet.

**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.
- ATEX certified Category 2.

**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 230/400V 50 Hz (up to 4 kW).
- Maximum temperature of air to be carried: -20 °C +120 °C.



High performance, extremely robust reaction impeller

**Order code**



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Impeller size

Number of motor poles  
4=1400 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 level dB(A)	Approx. weight (Kg)		According ErP
		230V	400V				CBP	CBPC	
CBP CBPC 1445-4T IE3	1455	4.07	2.34	1.10	8200	73	66	79	2015
CBP CBPC 1650-4T-2 IE3	1440	5.41	3.11	1.50	11050	76	87	103	2015
CBP CBPC 1650-4T-3 IE3	1435	7.93	4.56	2.20	13500	78	93	101	2015
CBP CBPC 1556-4T IE3	1440	10.70	6.15	3.00	14000	80	127	154	2015
CBP CBPC 1856-4T-4 IE3	1440	10.70	6.15	3.00	16100	80	127	154	2015
CBP CBPC 1856-4T-5.5 IE3	1450	13.90	8.00	4.00	17200	82	130	157	2015



**Erp. (Energy Related Products)**

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

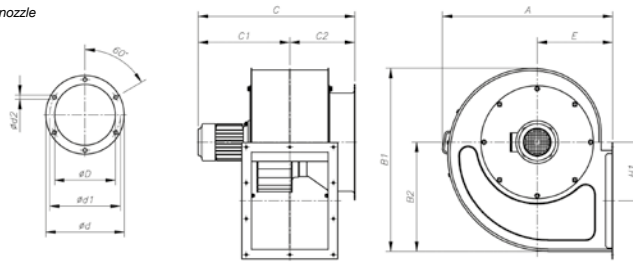
**Acoustic characteristics**

Model	Sound power spectrum Lw(A) in dB(A) per Hz frequency band																
	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CBP-1445	60	73	79	84	81	84	79	65	CBPC-1445	60	73	79	84	81	84	79	65
CBP-1650	66	76	84	86	85	87	78	68	CBPC-1650	66	76	84	86	85	87	78	68
CBP-1556	68	77	90	86	89	90	84	70	CBPC-1556	68	77	90	86	89	90	84	70
CBP-1856	70	79	92	88	91	92	86	72	CBPC-1856	70	79	92	88	91	92	86	72

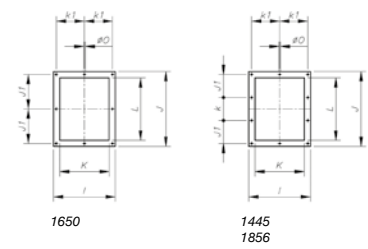
## Dimensions mm

### CBP

Inlet nozzle

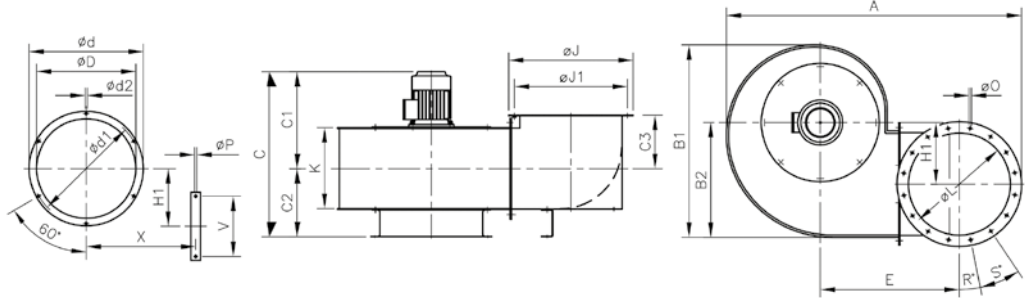


Outlet nozzle



	A	B1	B2	C	C1	C2	øD	ød	ød1	ød2	E	H1	I	J	J1	K	k	k1	L	øO
CBP-1445-4T	789	847	505	777	425	302	450	534	500	12	350	271	445	538	166	355	166	202.5	450	11
CBP-1650-4T-2	856	932	555	902	485	365	512	590	565	12	375	297	490	590	275	400	-	225	500	13
CBP-1650-4T-3	856	932	555	936	485	365	512	590	565	12	375	297	490	590	275	400	-	225	500	13
CBP-1556-4T	947	1041	617	954	567	348	560	634	610	12	415	328	550	660	203	450	203	250	560	13
CBP-1856-4T-4	947	1041	617	945	567	348	560	634	610	12	415	328	550	660	203	450	203	250	560	13
CBP-1856-4T5.5	947	1041	617	928	567	348	560	634	610	12	415	328	550	660	203	450	203	250	560	13

### CBPC

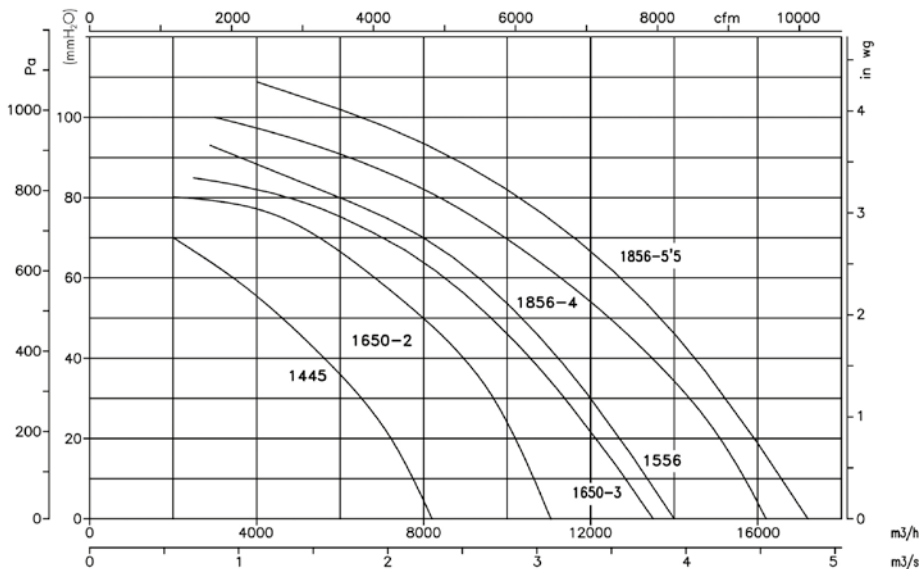


	A	B1	B2	C	C1	C2	C3	øD	ød	ød1	ød2	E	H1	øJ	øJ1	K	øL	øO	R°	S°	øP	V	X
CBPC-1445-4T	1307	847	505	777	477	300	236	450	534	500	12	617	271	550	500	361	450	M8	-	8x45°	11	260	512
CBPC-1650-4T-2	1428	932	555	903	540	363	256	512	590	565	12	672	297	600	560	404	500	M8	15°	12x30°	11	310	567
CBPC-1650-4T-3	1428	932	555	936	573	363	256	512	590	565	12	672	297	600	560	404	500	M8	15°	12x30°	11	310	567
CBPC-1556-4T	1580	1041	617	954	603	351	296	560	634	610	12	732	328	680	629	456	560	M12	11°15'	16x22°30'	11	360	622
CBPC-1856-4T-4	1580	1041	617	945	599	346	296	560	634	610	12	732	328	680	629	456	560	M12	11°15'	16x22°30'	11	360	622
CBPC-1856-4T-5.5	1580	1041	617	928	582	346	296	560	634	610	12	732	328	680	629	456	560	M12	11°15'	16x22°30'	11	360	622

## Characteristic curves

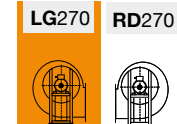
Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg



## Orientations

Standard supply LG 270



## Accessories

