

CBP CBPC

CBP: Centrifugal single-inlet medium-pressure fans fitted with a backward-curved impeller that includes a self-cleaning system, especially designed for painting booths
CBPC: Centrifugal single-inlet medium-pressure fans fitted with a backward-curved impeller that includes a self-cleaning system, especially designed for painting booths, with vertical outlet



CBP



CBPC

Fan:

- Steel sheet casing
- Impeller with backward-curved blades made from sheet steel
- Inspection hatch
- CBPC: with vertical outlet

Motor:

- Motors with IE-2 efficiency, except for motors with lower powers than 0.75 kW and single-phase motors.
- Class F motors, with bearings, IP55 protection.
- Three-phase 230/400V.-50Hz. (up to 5.5CV.)
- Max. air temperature to transport: -20°C.+ 120°C

Finish:

- Anticorrosive finish in polyester resin, polymerised at 190°C, after alkaline degreasing and phosphate-free pre-treatment.

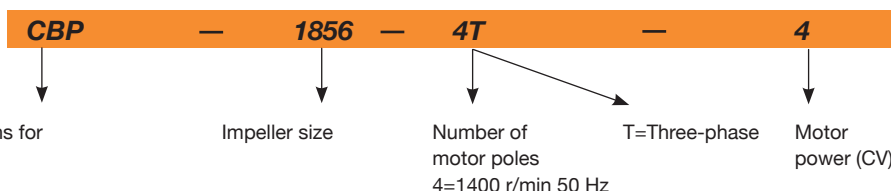
On request:

- Special windings for different voltages.
- ATEX certification, Category 2



High-performance and robust backward-curved impeller

Order code



CBP: Centrifugal fans for painting booths

CBPC: Centrifugal fans for painting booths with vertical outlet

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum airflow (m³/h)	Sound pressure level dB(A)	Approx. weight	
		230V	400V				CBP	CBPC
CBP CBPC 1445-4T	1400	4.03	2.32	1.10	8200	73	62	75
CBP CBPC 1650-4T-2	1430	5.96	3.44	1.50	11050	76	79	95
CBP CBPC 1650-4T-3	1445	8.36	4.83	2.20	13500	78	92	100
CBP CBPC 1556-4T	1445	10.96	6.33	3.00	14000	80	122	149
CBP CBPC 1856-4T-4	1445	10.96	6.33	3.00	16100	80	122	149
CBP CBPC 1856-4T-5.5	1440	14.10	8.12	4.00	17200	82	128	155



Erp. BEP (best efficiency point) characteristics

MC	Measurement category	ηe[%]	Efficiency
EC	Efficiency category	N	Efficiency grade
S	Static	[kW]	Input power
T	Total	[m³/h]	Airflow
VSD	Variable-speed drive	[mmH₂O]	Static or total pressure (According to EC)
SR	Specific ratio	[RPM]	Speed

Model	MC	EC	VSD	SR	ηe[%]	N	(kW)	(m³/h)	(mmH₂O)	(RPM)
CBP-1445-4T	A	S	NO	1.01	56.7%	66.9	1.072	4027	55.40	1420
CBP-1650-4T-2	A	S	NO	1.01	62.6%	70.5	1.784	6705	61.16	1431
CBP-1650-4T-3	A	S	NO	1.01	61.2%	67.9	2.271	7825	65.16	1452
CBP-1556-4T	A	S	NO	1.01	58.1%	64.2	2.618	8099	68.88	1459
CBP-1856-4T-4	A	S	NO	1.01	59.1%	64.2	3.221	9555	73.07	1450
CBP-1856-4T-5.5	A	S	NO	1.01	59.7%	64.3	3.695	9478	85.47	1452

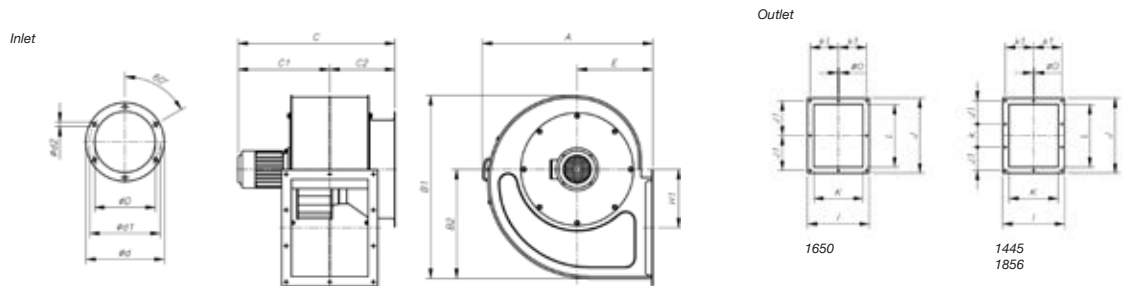
Acoustic features

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
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

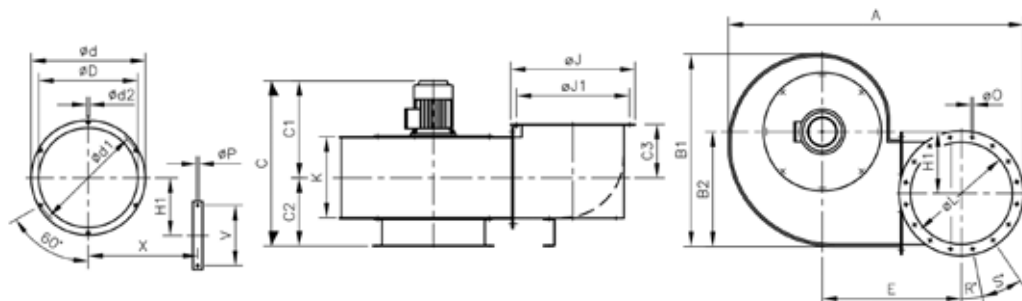
Dimensions in mm

CBP



Model	A	B1	B2	C	C1	C2	ØD	Ød	Ød1	Ød2	E	H1	I	J	J1	K	k	k1	L	ØO
CBP-1445-4T	765	847	505	765	463	302	460	534	500	12	350	271	445	538	166	355	166	202.5	450	11
CBP-1650-4T	831	932	555	855	490	365	512	590	565	12	375	297	490	590	275	400	-	225	500	13
CBP-1556-4T	923	1041	617	890	542	348	560	634	610	348	415	328	550	660	203	450	203	250	560	13
CBP-1856-4T	923	1041	617	890	542	348	560	634	610	348	415	328	550	660	203	450	203	250	560	13

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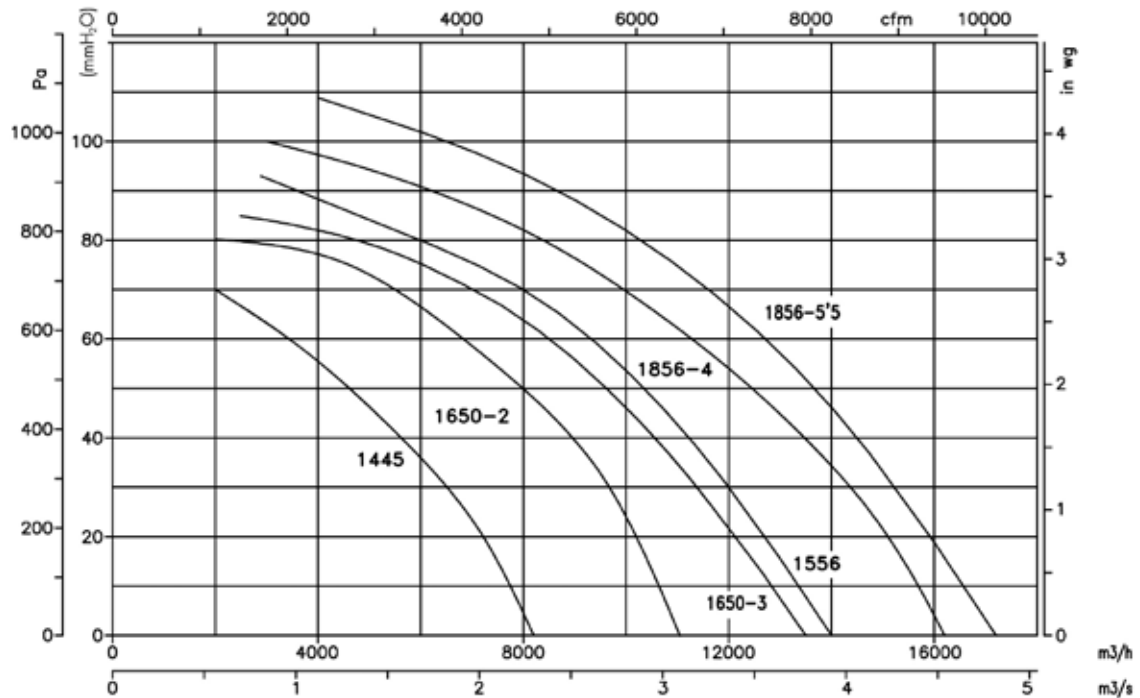


Model	A	B1	B2	C	C1	C2	C3	ØD	Ød	Ød1	Ød2	E	H1	ØJ	ØJ1	K	ØL	ØO	R°	S°	ØP	V	X
CBPC-1445-4T	1307	847	505	728	426	302	236	445	530	500	12	615	271	550	500	361	450	M8	-	8x45°	11	260	510
CBPC-1650-4T	1428	932	555	851	486	365	256	512	590	565	12	670	297	600	560	404	500	M8	15°	12x30°	11	310	567
CBPC-1556-4T	1580	1041	617	916	568	348	296	560	634	610	12	730	328	680	629	456	560	M12	11°15'	16x22°30'	11	360	620
CBPC-1856-4T	1580	1041	617	916	568	348	296	560	634	610	12	730	328	680	629	456	560	M12	11°15'	16x22°30'	11	360	620

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

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



Positions

LG 270 standard supply



Accessories

See accessories section.

