

CBI/A



High-performance
and robust
backward-curved
impeller

CBI/A: Centrifugal single-inlet medium-pressure fans fitted with a backward-curved impeller that includes a self-cleaning system, especially designed for painting booths

Fan:

- Steel sheet casing
- Impeller with backward-curved blades made from sheet steel
- Inspection hatch

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

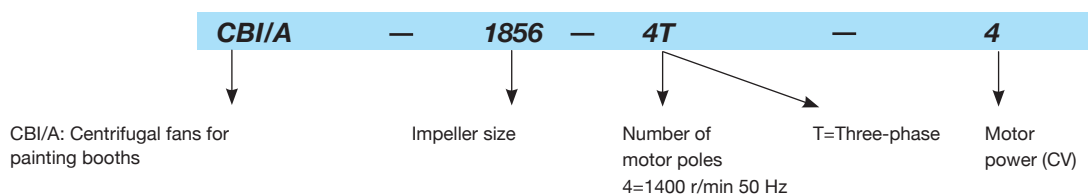
Finish:

- 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

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 CBI/A (Kg)
			230V	400V				
CBI/A	1445-4T	1400	4.03	2.32	1.10	8200	73	62
CBI/A	1650-4T-2	1430	5.96	3.44	1.50	11050	76	79
CBI/A	1650-4T-3	1445	8.36	4.83	2.20	13500	78	92
CBI/A	1556-4T	1445	10.96	6.33	3.00	14000	80	122
CBI/A	1856-4T-4	1445	10.96	6.33	3.00	16100	80	122
CBI/A	1856-4T-5.5	1440	14.10	8.12	4.00	17200	82	128

Erp. BEP (best efficiency point) characteristics

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

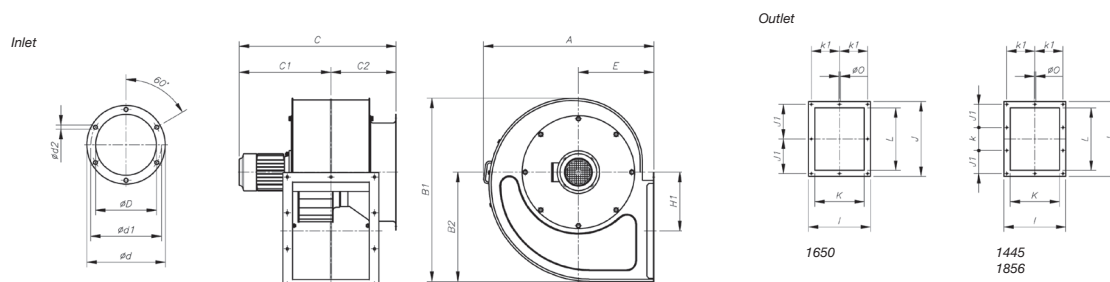
Acoustic features

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
CBI/A-1445	60	73	79	84	81	84	79	65	CBI/A-1556	68	77	90	86	89	90	84	70
CBI/A-1650	66	76	84	86	85	87	78	68	CBI/A-1856	70	79	92	88	91	92	86	72

Dimensions in mm

CBI/A

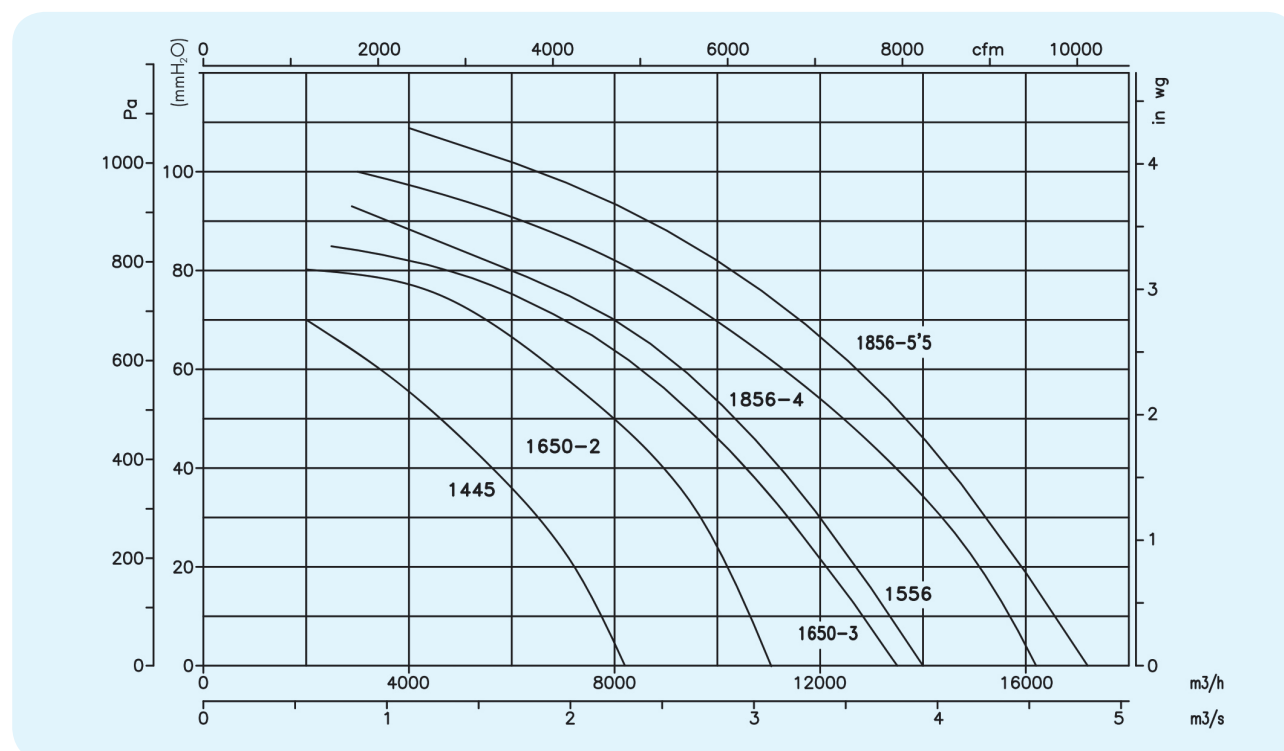


Model	A	B1	B2	C	C1	C2	øD	ød	ød1	ød2	E	H1	I	J	J1	K	k	k1	L	øO
CBI/A-1445-4T	765	847	505	765	463	302	460	534	500	12	350	271	445	538	166	355	166	202.5	450	11
CBI/A-1650-4T	831	932	555	855	490	365	512	590	565	12	375	297	490	590	275	400	-	225	500	13
CBI/A-1556-4T	923	1041	617	890	542	348	560	634	610	348	415	328	550	660	203	450	203	250	560	13
CBI/A-1856-4T	923	1041	617	890	542	348	560	634	610	348	415	328	550	660	203	450	203	250	560	13

Characteristic Curves

Q = Airflow in m³/h, m³/s and cfm.

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



Positions

LG 270 standard supply

