

# HBA

## Forked tubular axial fans with motors outside the airflow



Bifurcated tubular fans for transferring air up to 150 °C in continuous operation and up to 200 °C in sporadic mode.

### Fan:

- Sheet steel long casing.
- Cast aluminium impellers.
- Airflow direction from impeller to motor.

### 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 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -25°C +150 °C.

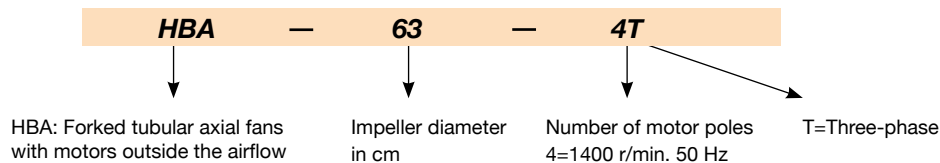
### Finishing:

- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

### On request:

- Stainless steel casing.
- Hot dip galvanised finish.
- Special windings for different voltages and motors with PTC thermistors.

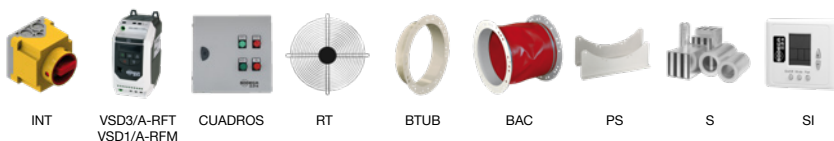
### Order code



### 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)
		230V	400V				
HBA-31-2T	2760	2.57	1.49	0.55	2900	77	25
HBA-31-2M	2810	3.49		0.55	2900	77	26
HBA-31-4T	1350	1.66	0.96	0.25	1600	66	24
HBA-31-4M	1370	2.00		0.25	1600	66	25
HBA-40-2T IE3	2830	4.03	2.34	1.10	6200	82	46
HBA-40-2M	2820	6.51		1.10	6200	82	46
HBA-40-4T	1370	2.02	1.17	0.37	3200	75	40
HBA-45-2T IE3	2910	10.00	5.77	3.00	8550	84	61
HBA-50-4T IE3	1420	2.82	1.62	0.75	6750	76	74
HBA-63-4T IE3	1455	4.07	2.34	1.10	11150	77	95
HBA-71-4T IE3	1450	13.90	8.00	4.00	15850	79	166
HBA-71-6T	900	2.99	1.73	0.55	11200	74	140
HBA-80-6T IE3	945	4.68	2.69	1.10	14900	77	196
HBA-100-6T IE3	945	4.68	2.69	1.10	21700	80	266

### Accessories



INT

VSD3/A-RFT  
VSD1/A-RFM

CUADROS

RT

BTUB

BAC

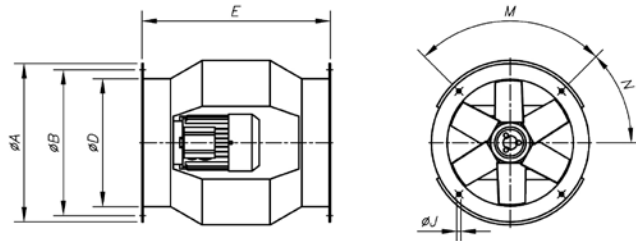
PS

S

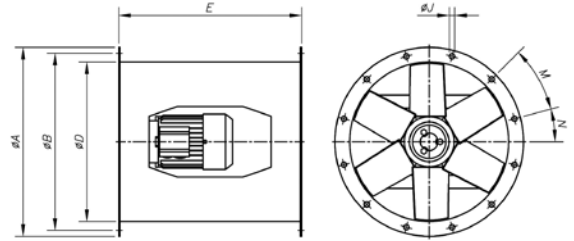
SI

**Dimensions mm**

**HBA-31...50**



**HBA-63...100**

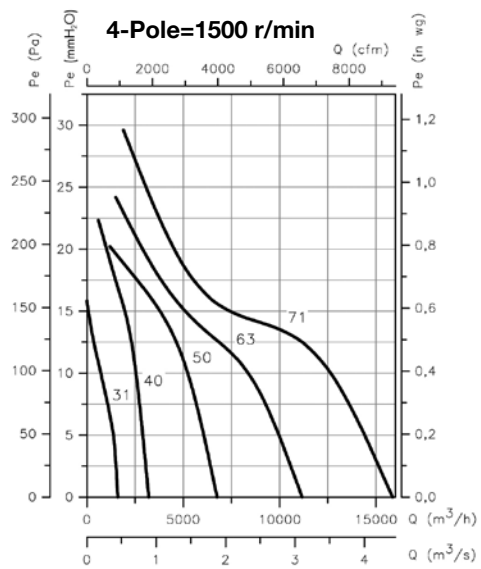
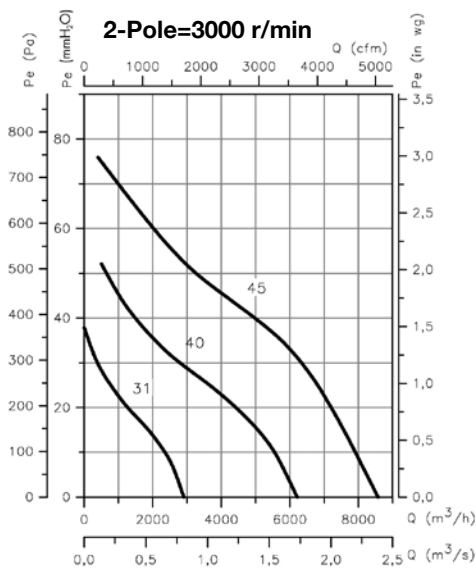


Model	$\phi A$	$\phi B$	$\phi D$	E	$\phi J$	M	N
HBA-31	385	355	308	460	10	4x90°	45°
HBA-40	490	450	410	580	12	8x45°	22'5°
HBA-45	540	500	460	640	12	8x45°	22'5°
HBA-50	600	560	514	730	12	12x30°	15°
HBA-63	730	690	640	730	12	12x30°	15°
HBA-71	810	770	710	770	12	16x22'5°	11'25°
HBA-80	900	860	800	830	12	16x22'5°	11'25°
HBA-100	1115	1070	1000	1270	15	16x22'5°	11'25°

**Characteristic curves**

Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/h and cfm      Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

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Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/h and cfm      Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg

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