

# HBA



Forked tubular axial fans with motors outside the air flow



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

**Fan:**

- Sheet steel tubular casing.
- Cast aluminium impeller.
- Impeller to motor airflow direction.

**Motor:**

- IE3 efficiency motors for powers equal to or higher than 0.75kW except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Three-phase 230/400V-50Hz (up to 4kW)

and 400/690V-50Hz (powers higher than 4kW).

- Operating temperature: -25°C + 150°C

**Finish:**

- Anti-corrosive finish of polyester resin polymerised at 190°C, previously degreased with phosphate-free nanotechnological treatment.

**On request:**

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

**Order code**



HBA: Forked tubular axial fans with motors outside the air flow.

Impeller diameter in cm

Number of motor poles  
4=1400 r/min. 50 Hz

T= Three-phase

**Technical characteristics**

Model	Speed (r/min)	Max. 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

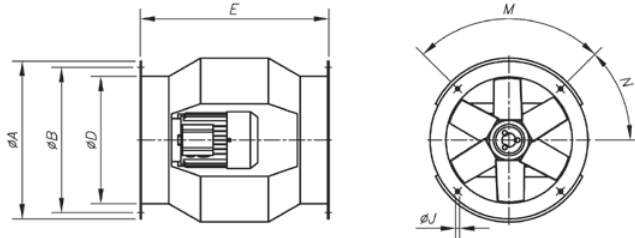
**Accessories**

See accessories section.

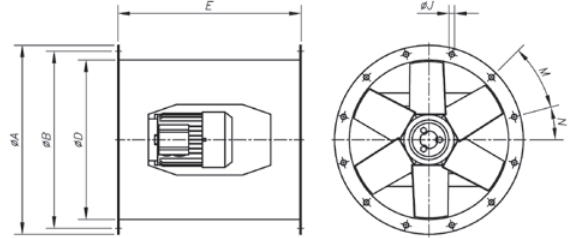


## Dimensions mm

HBA-31...50



HBA-63...100



Model	ØA	ØB	ØD	E	ØJ	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>/s and cfm.

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

