

HBF 45 T4 (A2:9) F300 0,55kW 32,5° (26046162933U)

GENERAL DATA



AXIAL FAN 300°C/2h

MANUFACTURING FEATURES

- Axial fan with circular reinforced frame.
- Modular motor-impeller assembly.
- Cast aluminium impeller with variable pitch angle. Polyester powder finishing coat.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class H insulation certified 300°C/2h. Standard voltages 400V(Y) 50Hz in three phase motors up to 3kW and 400V 50Hz for higher powers and 2 speed motors. IE3 efficiency motor from 0,75kW up to 45kW in single speed

APPLICATIONS

Designed for wall or duct installation, they are suitable for:

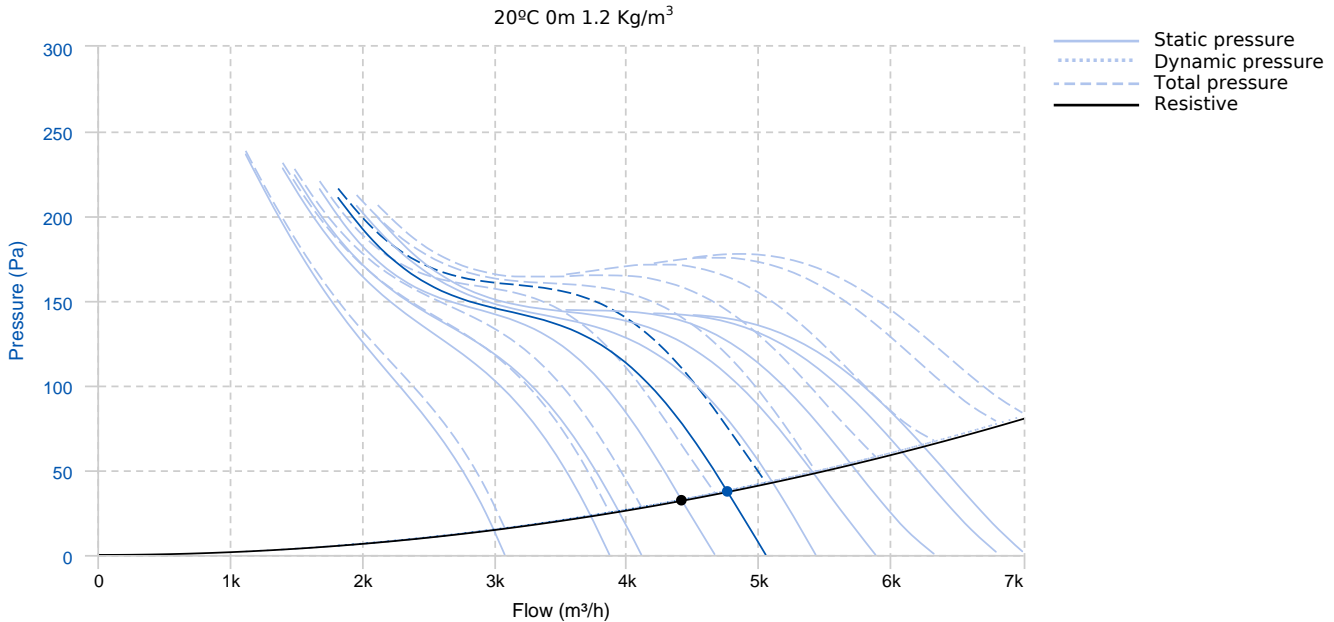
- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST

- B Form impeller (air flow from impeller to motor).
- 100% reversible impeller.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015 Certification Nr: 0370-CPR-2402

PERFORMANCE CURVE



Design point

Flow (m ³ /h)	4419.49	Pressure (Pa)	32.03
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Service point

Angle	33	T.max (°C)	60	Q (m³/h)	4758.9	Ps (Pa)	37.14
Pd (Pa)	37.95	Pt (Pa)	75.09	Speed (m/s)	7.95	Security coefficient	1.82
Fan total efficiency	25.73	Mechanical total efficiency	33.21	Pabs (kW) 1.2 kg/m³	0.39	Pw.mec (kW)	0.3
Precom (kW)	0.55	SFP (W/l/s) 1.2 kg/m³	0.3				

TECHNICAL DATA

Fan

RPM	-	Approx. weight	23.5 kg	Max. Flow	7000 m³/h
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Motor

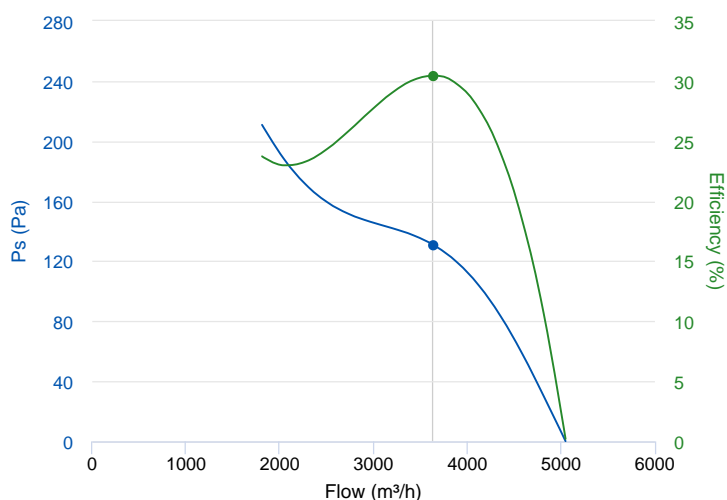
Power	0,55 kW	RPM	1410	I max. (400V)	1,27 A	Size	80
Approx. weight	10.5 kg	Efficiency (%)	76.5 %	FP	0.82		

ERP DATA

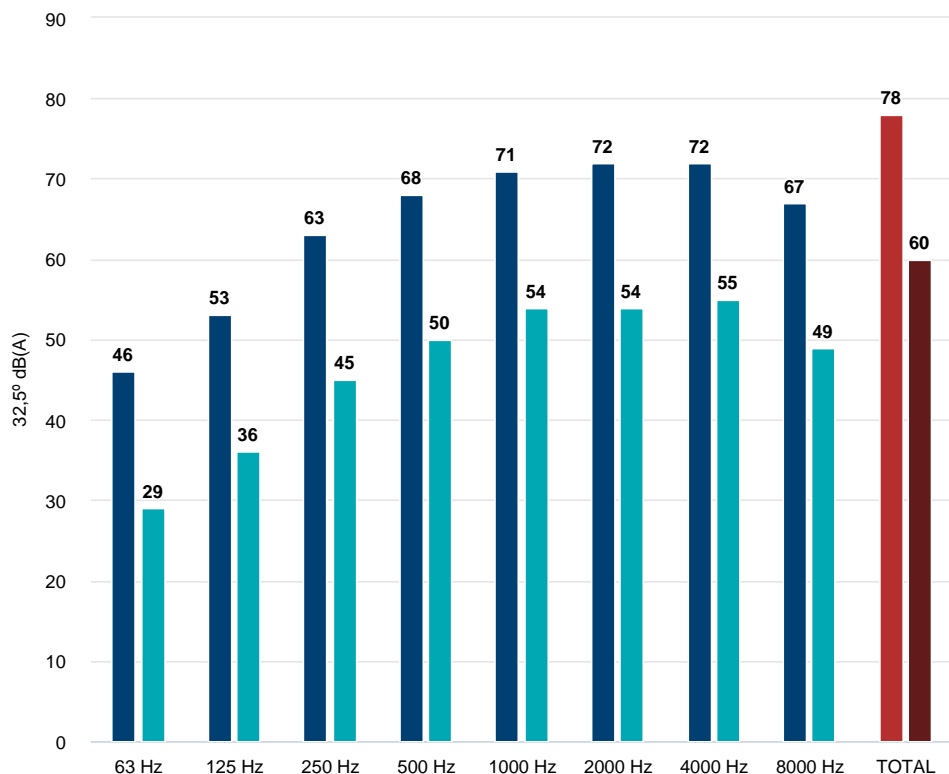
Fan data sheet

Fan type	Axial fan
Installation category	A: Outlet and Inlet free discharge
Efficiency category	Static
The fan has to be installed with VF	No
Motor power (kW)	0.55

	Fan values	ERP Requirements 2015
Max. efficiency (%)	30.44	29.4
Efficiency grade (N)	39.04	38
Pabs (kW)	0.437	
Flow (m³/h)	3637.68	
Static pressure (Pa)	130.86	
Speed (m/s)		
Specific ratio	1.00	



ACOUSTIC DATA (INLET)



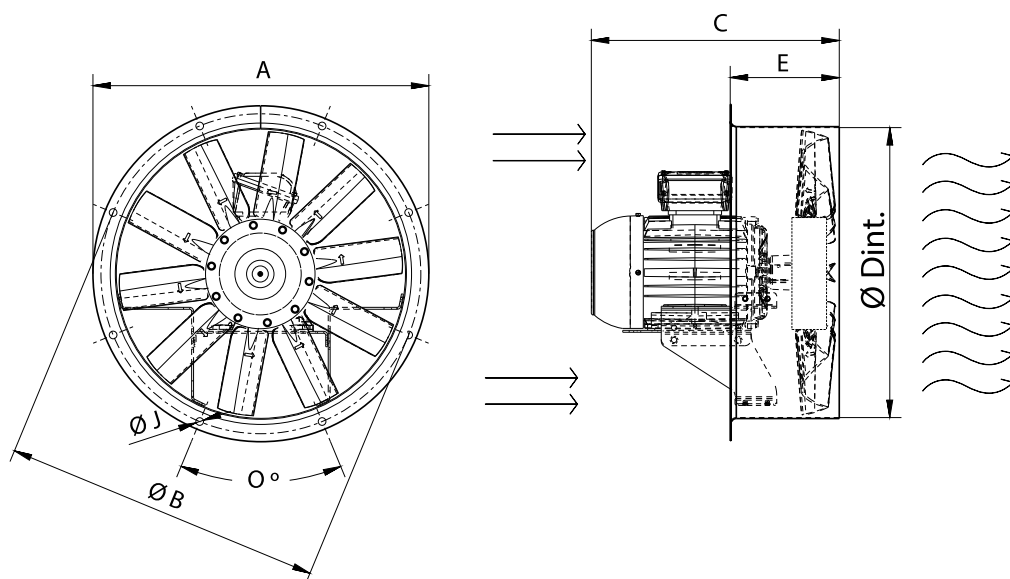
Sound power

63 Hz	46
125 Hz	53
250 Hz	63
500 Hz	68
1000 Hz	71
2000 Hz	72
4000 Hz	72
8000 Hz	67
TOTAL	78

Sound pressure 3m Q=2

63 Hz	29
125 Hz	36
250 Hz	45
500 Hz	50
1000 Hz	54
2000 Hz	54
4000 Hz	55
8000 Hz	49
TOTAL	60

DIMENSIONS



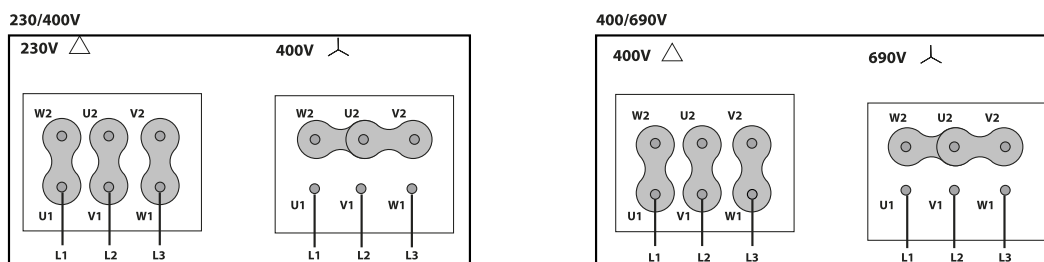
Dimensions (mm)

C (Mot.T.63)	328	C (Mot.T.71)	328	C (Mot.T.80)	347	C (Mot.T.90L)	387	C (Mot.T.90S)	362
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Dimensions (mm)

C (Mot.T. 100L)	418	E	165	O	8X45°	ØA	525	ØB	500
ØD	452	ØJ	12						

WIRING DIAGRAM



ACCESSORIES



Outlet protection guard for axial fans
RP0 450
 REF: 960001202



CONECTION FLANGE
AC 450
 REF: 960003213



ANTI-VIBRATING FLANGE 400°/2H
BA-400 45
 REF: 960002055



SQUARE MOUNTING FRAME FOR HB FANS
MC HB 45
 REF: 960003154



ANTI-VIBRATION JOINT
JE 45
 REF: 300719201



ALUMINIUM GRAVITY SHUTTER
PC2 50
 REF: PC25050



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE
BAD 12 (Ø450)
 REF: 960003462



FREQUENCY SPEED CONTROLLER
SFC (GENERIC)



SAFETY SWITCH
INT (GENERIC)



SAFETY SWITCH FOR 400°/2h
INT F400 (GENERIC)



INLET PROTECTION GUARD FOR AXIAL FANS
RP1 (GENERIC)