

HMF 80 T4 (A5:6) F400 2,2kW 30° (26181165630F)

GENERAL DATA



LONG CASE AXIAL FAN 400°C/2H

MANUFACTURING FEATURES:

- Long case axial fan with reinforced body.
- Modular motor-impeller assembly. Cast aluminium impeller with variable pitch angle. Polyester powder finishing coat.
- Housing with motor access door for easy connection.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class H insulation certified 400°C/2h. Manufactured with 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 inline installation, they are suitable for:

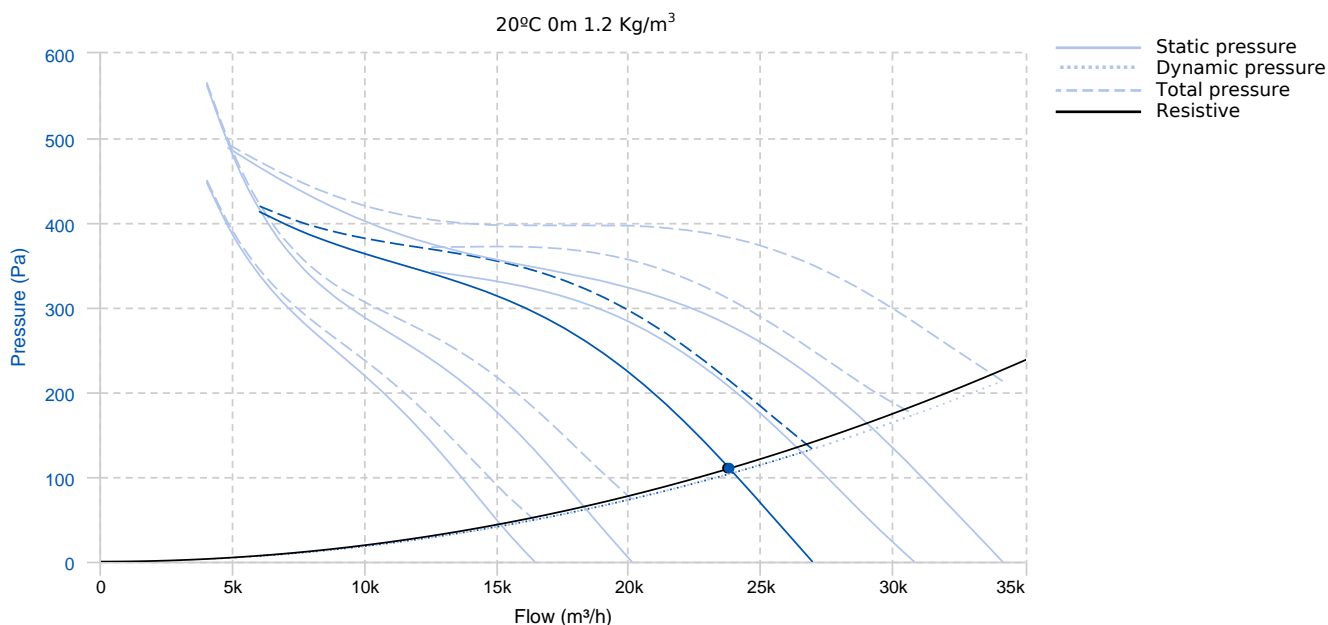
- Smoke emergency exhaust with motor inside the hazardous area.
- Maximum working temperature: 60°C.

UNDER REQUEST:

- Supply impeller (air direction from impeller to motor).
- 100% reversible impeller.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015 Certification Nr: 0370-CPR-0912

PERFORMANCE CURVE



Design point

Flow (m ³ /h)	23765.89	Pressure (Pa)	109.8
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Service point

Angle	30	T.max (°C)	60	Q (m³/h)	23787.08	Ps (Pa)	110
Pd (Pa)	103.65	Pt (Pa)	213.64	Speed (m/s)	13.15	Security coefficient	1.16
Fan total efficiency	66.37	Mechanical total efficiency	75.16	Pabs (kW) 1.2 kg/m³	2.14	Pw.mec (kW)	1.9
Precom (kW)	2,2	SFP (W/l/s) 1.2 kg/m³	0.32				

TECHNICAL DATA

Fan

RPM	-	Approx. weight	73 kg	Max. Flow	37370 m³/h
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Motor

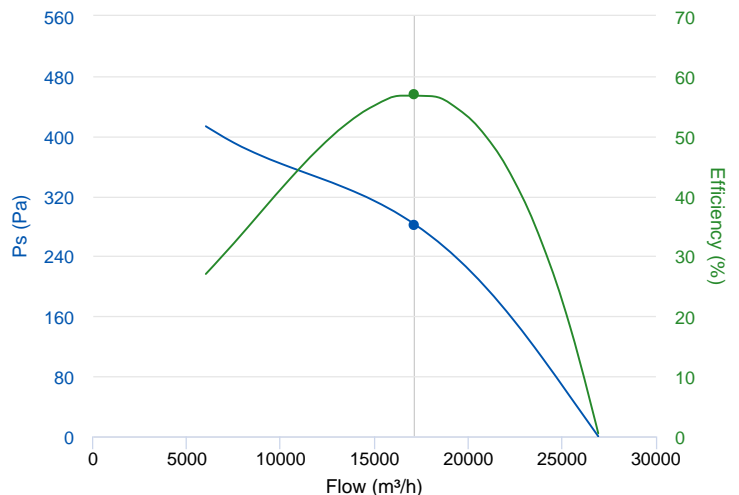
Power	2,2 kW	RPM	1420	I max. (400V)	4,55 A	Size	100L
Approx. weight	21 kg	Efficiency (%)	87 %	FP	0.82		

ERP DATA

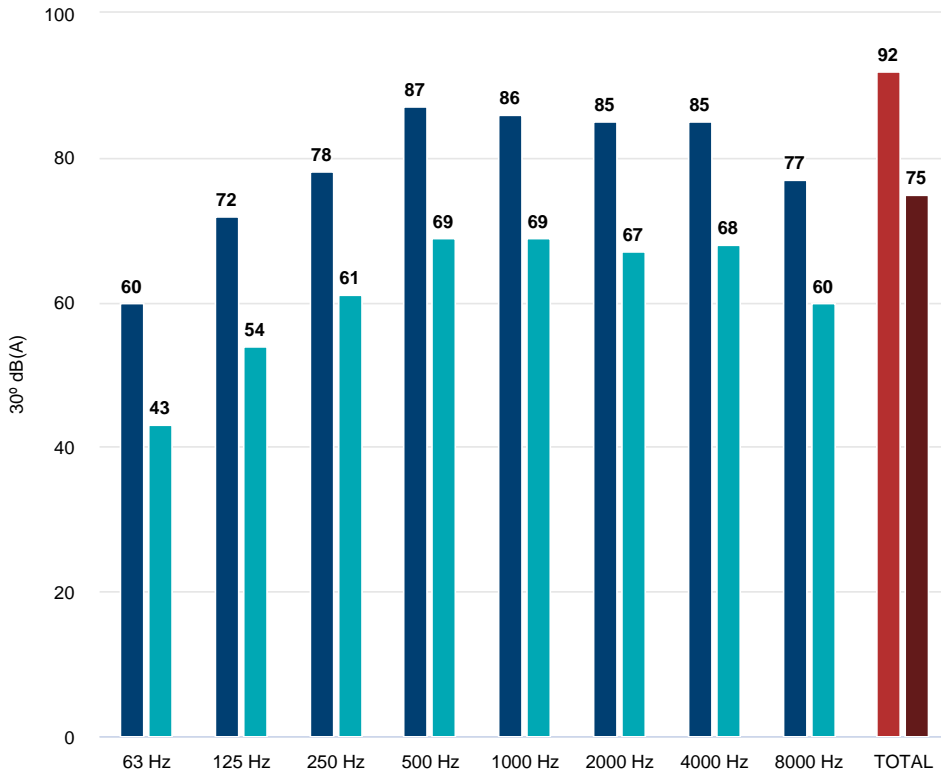
Fan data sheet

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)	2.2

	Fan values	ERP Requirements 2015
Max. efficiency (%)	56.94	34.05
Efficiency grade (N)	60.89	38
Pabs (kW)	2.38	
Flow (m³/h)	17140.62	
Static pressure (Pa)	282.45	
Speed (m/s)		
Specific ratio	1.00	



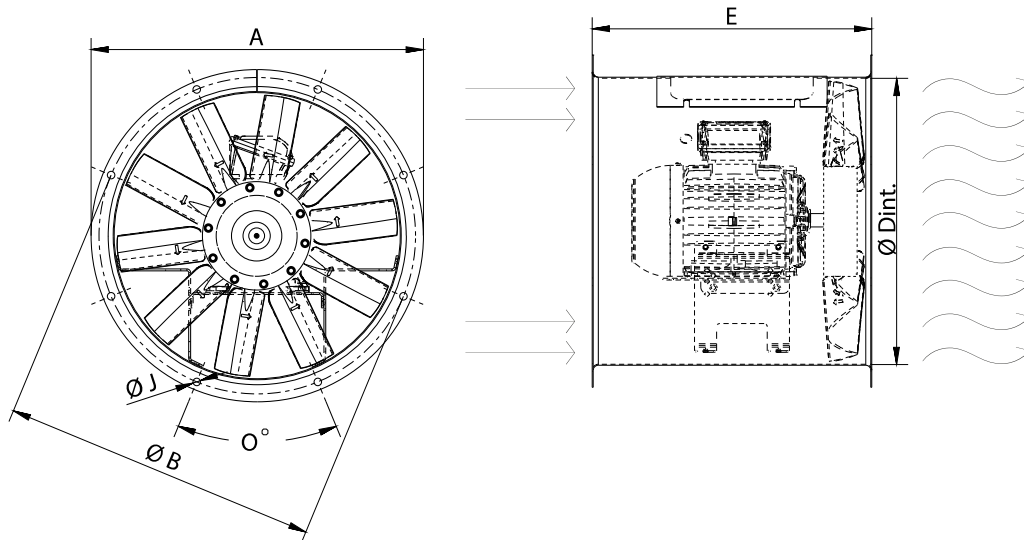
ACOUSTIC DATA (INLET)



Sound power	
63 Hz	60
125 Hz	72
250 Hz	78
500 Hz	87
1000 Hz	86
2000 Hz	85
4000 Hz	85
8000 Hz	77
TOTAL	92

Sound pressure 3m Q=2	
63 Hz	43
125 Hz	54
250 Hz	61
500 Hz	69
1000 Hz	69
2000 Hz	67
4000 Hz	68
8000 Hz	60
TOTAL	75

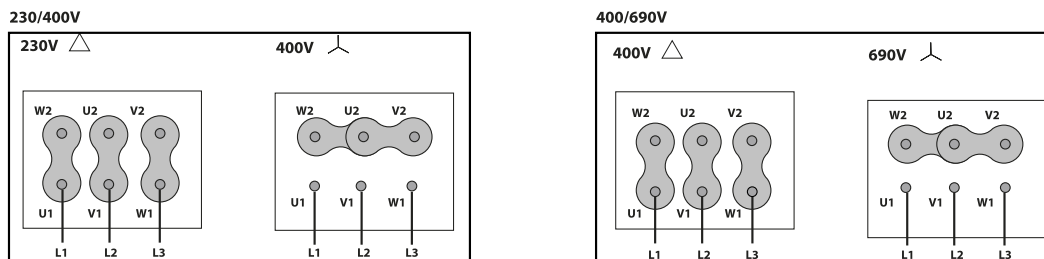
DIMENSIONS



Dimensions (mm)

E	600	O	16x22,5°	ØA	892	ØB	860	ØD	801
ØJ	12								

WIRING DIAGRAM



ACCESSORIES



PROTECTION GUARD FOR LONG CASE AXIAL FANS
RP 80
 REF: 960340101



CASE FANS MOUNTING SUPPORT
PO 80
 REF: 960001660



CONNECTION FLANGE
AC 800
 REF: 960003218



ANTI-VIBRATING FLANGE 400°/2H
BA-400 80
 REF: 960002059



ANTI-VIBRATION JOINT
JE 45
 REF: 300719201



CIRCULAR SILENCER
SIL-C 800/800
 REF: 960080080



CIRCULAR SILENCER
SIL-C 800/1200
 REF: 960080120



CIRCULAR SILENCER
SIL-C 800/1600
 REF: 960080160



CIRCULAR SILENCER
SIL-CN 800/800
 REF: 961080080



CIRCULAR SILENCER
SIL-CN 800/1200
 REF: 961080120



CIRCULAR SILENCER
SIL-CN 800/1600
 REF: 961080160



CIRCULAR-CIRCULAR ANTI-VIBRATION FLANGE
BAD 17 (Ø800)
 REF: 960003467



METALLIC ROOF KIT FOR CASE FANS
KIT TM 80
 REF: KTM80



FREQUENCY SPEED CONTROLLER
SFC (GENERIC)



**SAFETY SWITCH
INT (GENERIC)**



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



**ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)**