

DHUMAT 450 T4 1,1KW (245450181)

GENERAL DATA



SMOKE EXTRACTION BACKWARD CASING FAN 400°C/2h

MANUFACTURING FEATURES

CASING:

- Made of galvanized steel sheet with connection flanges and inspection door.
- Changeable panels.

MOTOR SUPPORT:

- Galvanised steel plate, motor with flanges fixed on 2 supports. Removable plate / support / impeller set.

IMPELLER:

- Backward centrifugal impeller, made of galvanised steel, dynamically balanced and self-cleaning.
- Direct drive on the motor shaft.

MOTOR:

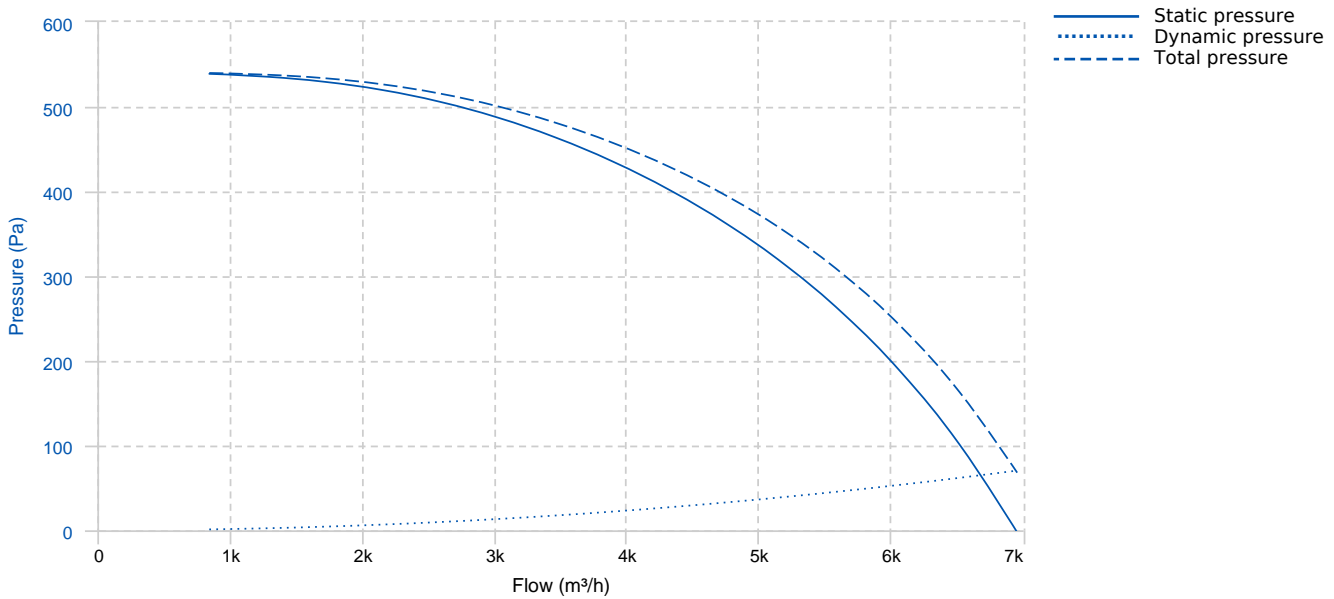
- Three phase motor with IP-55 protection and F class insulation. Manufactured with standard voltages for one speed motors: 230/400V 50Hz up to 4 Kw and 400/690V 50Hz for higher powers of 4 and 6 poles. 2 speed motors: Dahlander 400V 50Hz

APPLICATIONS

- Smoke extraction in high buildings and establishments with people.
- Ventilation and smoke exhaust in covered parkings.
- Ventilation in technical, industrial or commercial facilities.
- Maximum continuous working temperature: carried air 110°C, environment 60°C.

Official homologation by the European laboratory APPLUS according to EN 12101-3:2015 Certification Nr: 0370-CPR-2861

PERFORMANCE CURVE



TECHNICAL DATA

Fan

RPM	1450	Approx. weight	120 kg	Max. Flow	6960 m³/h
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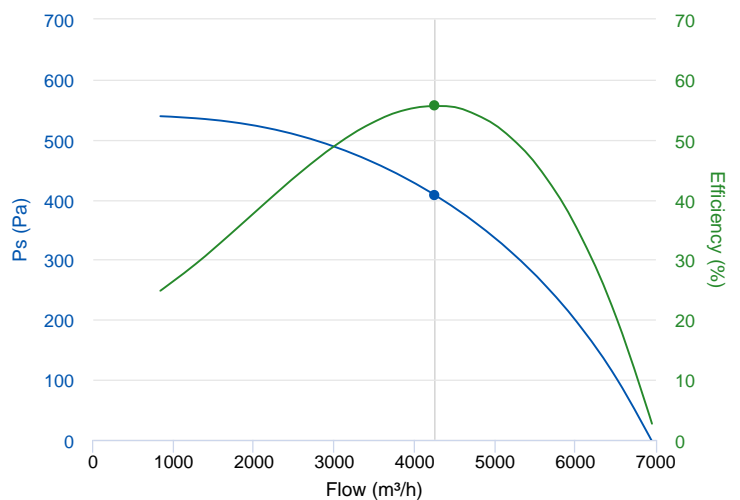
Motor

Power	1,1 kW	RPM	1450	I max. (230V)	4,33 A	I max. (400V)	2,49 A
Size	90L	Approx. weight	23 kg	Efficiency (%)	84.1 %	FP	0.78

ERP DATA

Fan data sheet

Fan type	Unit for non-residential ventilation (LOT 6)	
Typology	Unidirectional	
reports.other	None	
Type of driver	None	
Motor power (kW)	1.1	
	Fan values	ERP Requirements 2018
Max. efficiency (%)	55.61	41.44
Effic. Heat recovery (%)	-	
Pabs (kW)	0.914	
Flow (m³/h)	4251.47	
Static pressure (Pa)	407.55	
Speed (m/s)	6.63	

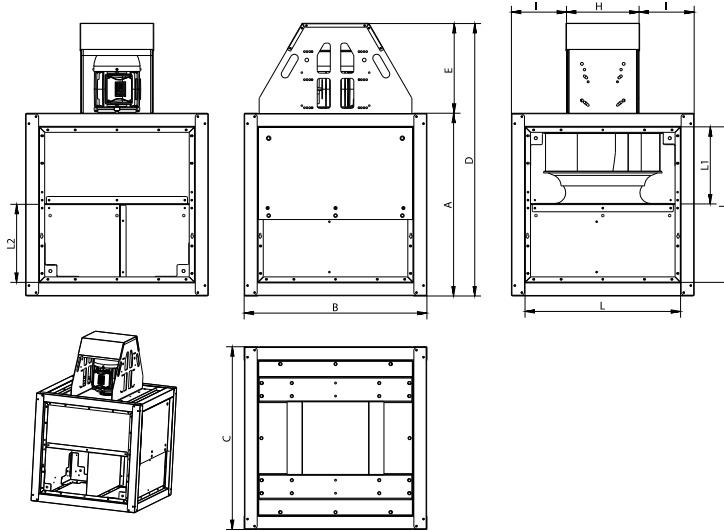




Fan values	ERP Requirements 2018
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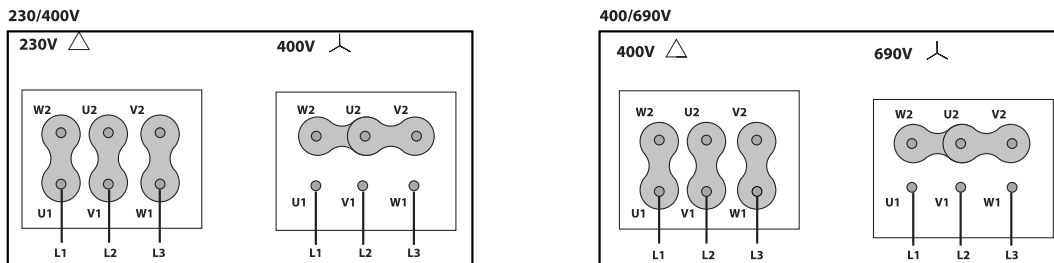
SFP (W/m3/s)	773.91
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DIMENSIONS



Dimensions (mm)									
A	700	B	700	C	700	D	1043,5	E	343,5
H	278	I	211	K	26	L	595,7	L1	264,9
L2	329,3								

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



SAFETY SWITCH FOR 400°C/2h
INT 400 25A 3P
REF: 508902501



OUTLET FLANGE FOR DHUMAT
EI DHUMAT 450
REF: 965450111



DHUMAT FEET KIT
DKF 400-450
REF: 245409201



OUTDOOR FLANGE WITH BIRD GUARD FOR
DHUMAT
VIS DHUMAT 400-450
REF: 965400001



FREQUENCY SPEED CONTROLLER
SFC 230 I 7A *
REF: SFC230I007



FREQUENCY SPEED CONTROLLER
SFC 400 III 3,6A *
REF: SFC400III4

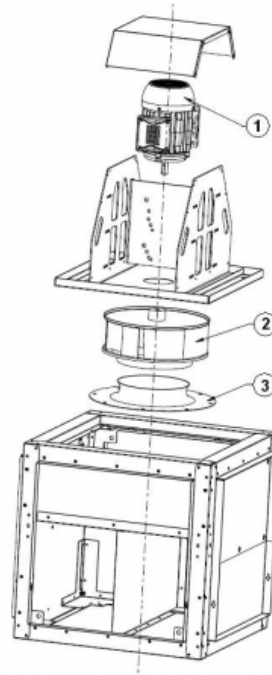


ANTI-VIBRATION RUBBER BLOCK
AVR (GENERIC)



ANTI-VIBRATION SPRING BLOCK
AVS (GENERIC)

SPARE PARTS



	Code	Model	Qty
1	721001149	MOTOR 1,1kW T4 B3 230/400V	x1

	Code	Model	Qty
2	279459382	TURBINE THRE R63B1 450X160x24 RD	x1
3	279451680	INLET CONE ED11 450	x1