

CTH4 500 T6 0,75kW (278510106)

GENERAL DATA



ROOF FAN, VERTICAL DISCHARGE

MANUFACTURING FEATURES

- Fan made of steel with polyester powder finishing coat.
 - High efficiency backward impeller with self-cleaning system of steel.
 - Standard asynchronous motor with IP-55 protection and Class F insulation.
- Manufactured with standard voltages: 400V 50Hz three phase motors

APPLICATIONS

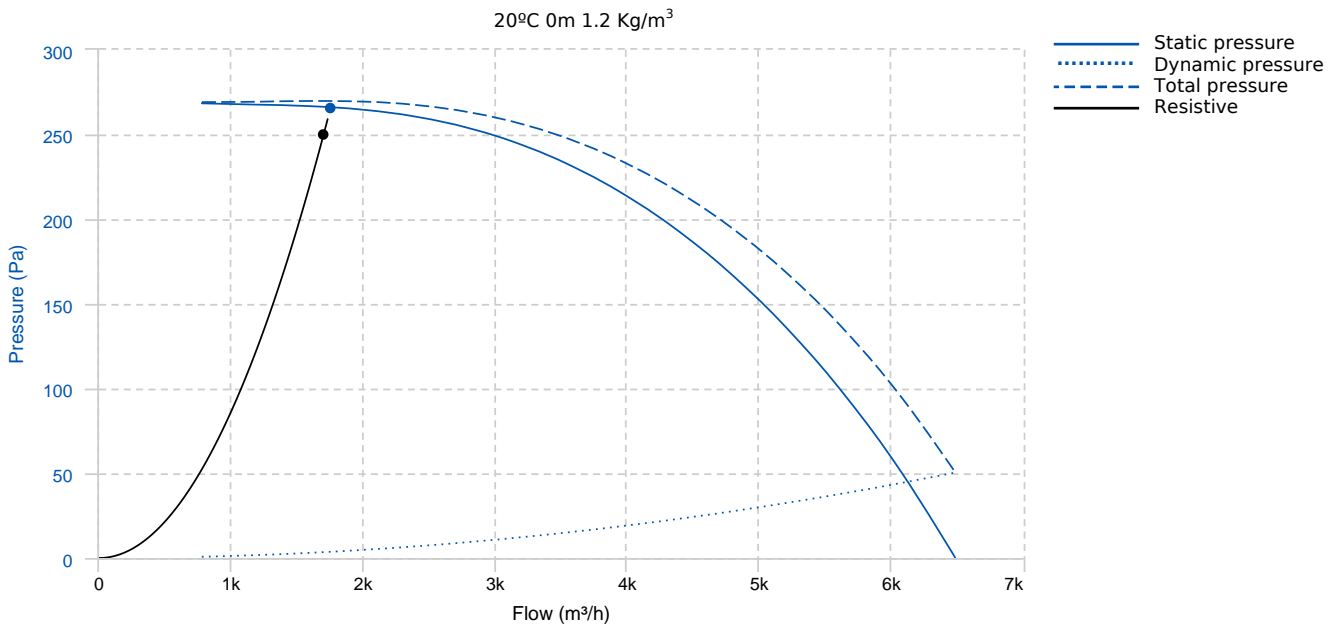
Specially designed for roof installation, with vertical discharge without any additional kit, they are suitable for:

- Smoke extraction
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous operation temperature: 80°C (fluide).
- Maximum ambient temperature: 50°C.
- Cinemas.

UNDER REQUEST

- Version made of inox 304/316.
- Finishing C4-C5.
- Special voltages.

PERFORMANCE CURVE



Design point

Flow (m³/h)

1700

Pressure (Pa)

250

Service point

T.max (°C)	80	Q (m³/h)	1753.9	Ps (Pa)	266.1	Pd (Pa)	3.69
Pt (Pa)	269.8	Speed (m/s)	2.48	Security coefficient	2.71	Fan total efficiency	33.05
Mechanical total efficiency	45.29	Pabs (kW) 1.2 kg/m³	0.38	Pw.mec (kW)	0.28	SFP (W//s) 1.2 kg/m³	0.78

TECHNICAL DATA

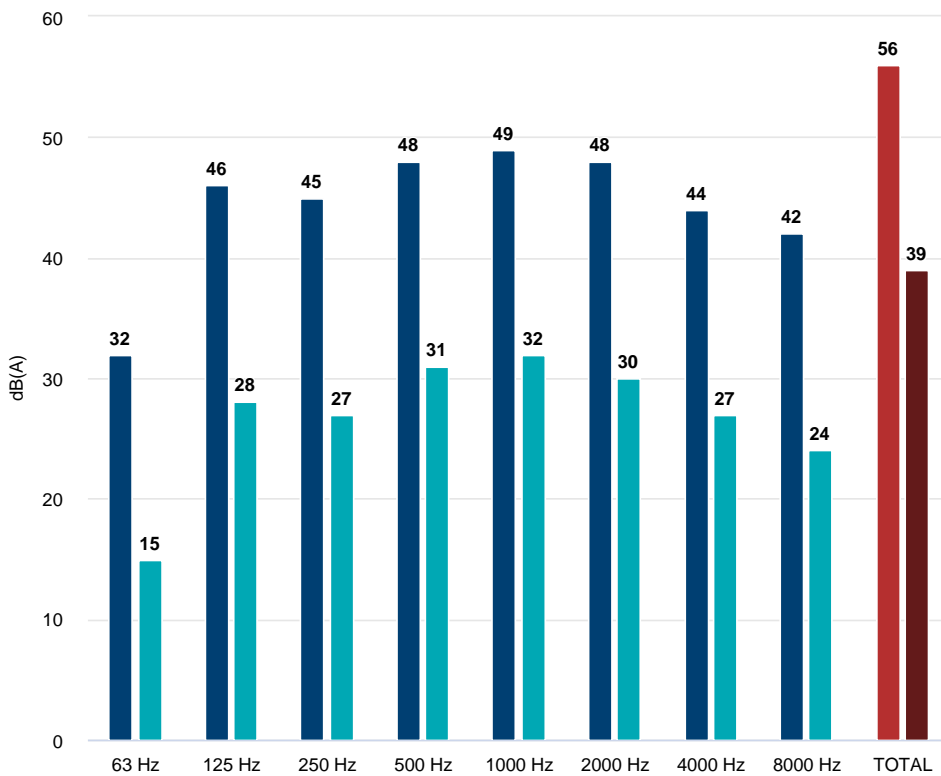
Fan

RPM	925	Approx. weight	53 kg	Max. Flow	6490 m³/h
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Motor

Power	0,75 kW	RPM	925	I max. (230V)	3,39 A	I max. (400V)	1,95 A
Size	90L	Approx. weight	19 kg	Efficiency (%)	78.9 %	FP	0.73

ACOUSTIC DATA (INLET)



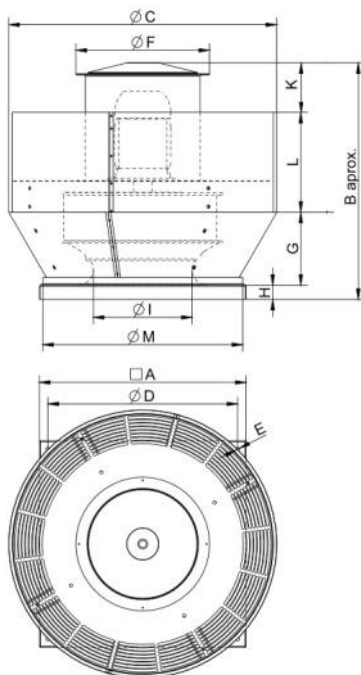
Sound power

63 Hz	32
125 Hz	46
250 Hz	45
500 Hz	48
1000 Hz	49
2000 Hz	48
4000 Hz	44
8000 Hz	42
TOTAL	56

Sound pressure 3m Q=2

63 Hz	15
125 Hz	28
250 Hz	27
500 Hz	31
1000 Hz	32
2000 Hz	30
4000 Hz	27
8000 Hz	24
TOTAL	39

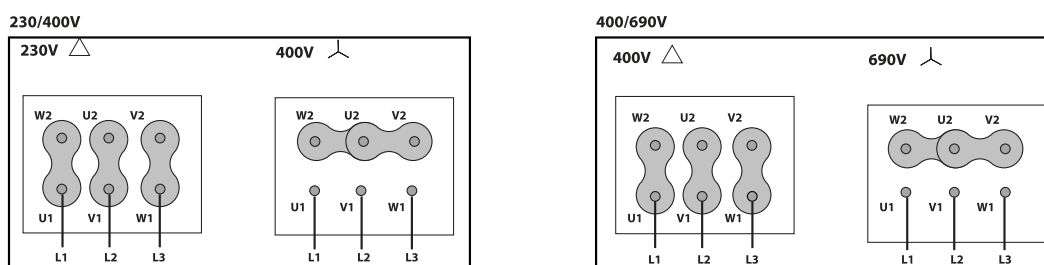
DIMENSIONS



Dimensions (mm)

A	650	B	771.5	D	590	G	237	H	40
K	188	L	307	ØC	852	ØE	12	ØF	434
ØI	335	ØM	628						

WIRING DIAGRAM



ACCESSORIES



SAFETY SWITCH
INT 25 3P A
REF: INT253PA



FREQUENCY SPEED CONTROLLER
SFC 230 I 4,2A *
REF: SFC230I004



FREQUENCY SPEED CONTROLLER
SFC 400 III 2,2A *
REF: SFC400III2