

CTH3-A 355 T4 0,55KW

GENERAL DATA



ROOF FAN, AL COWL 400°C/2h

MANUFACTURING FEATURES

- Roof cowl made of aluminium
- Structure, roof base support and bird protection guard made of galvanised steel.
- 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: 230V 60Hz in single phase motors, 230/400V 60Hz in three phase motors

APPLICATIONS

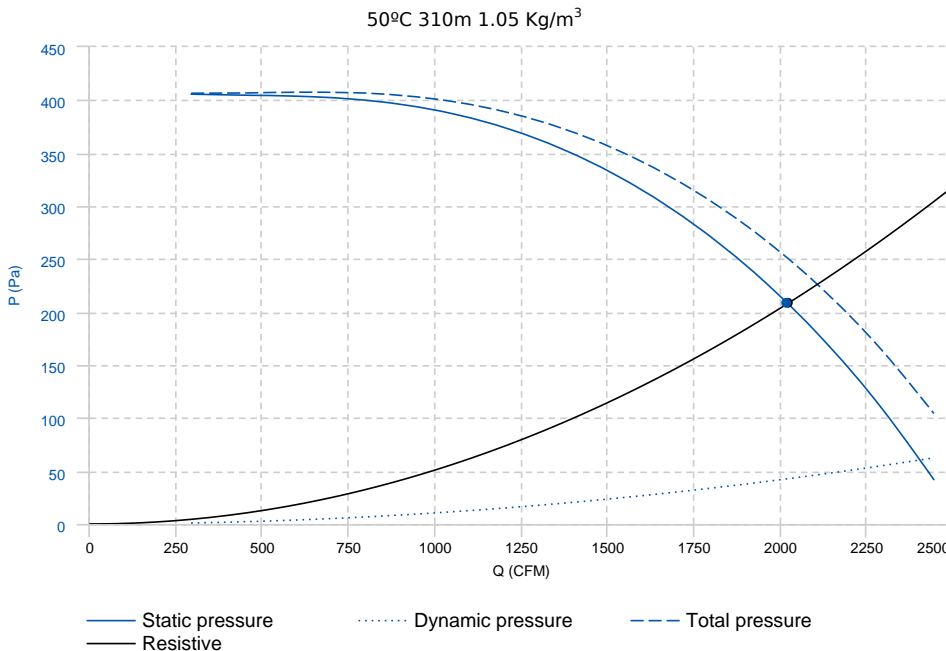
Specially designed for roof installation, they are suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area.
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous working temperature: carried air 110°C, environment 60°C for three phase and 50°C for single phase motors.

UNDER REQUEST

- Sparking proof fan with EEx_d certified motor.

PERFORMANCE CURVE



Design point	
Flow (CFM)	2023.31
Pressure (Pa)	208.62
Service point	
T.max (°C)	80
Q (CFM)	2020.59
Ps (Pa)	208.06
Pd (Pa)	48.73
Pt (Pa)	256.79
Speed (m/s)	9.63
Security coefficient	1.36
Fan total efficiency	53.881
Mechanical total efficiency	67.66
Pabs (kW)	0.51
Pwmec (kW) 1.05 Kg/m ³	0.35
Pwmec (kW) 1.2 Kg/m ³	0.4

TECHNICAL DATA

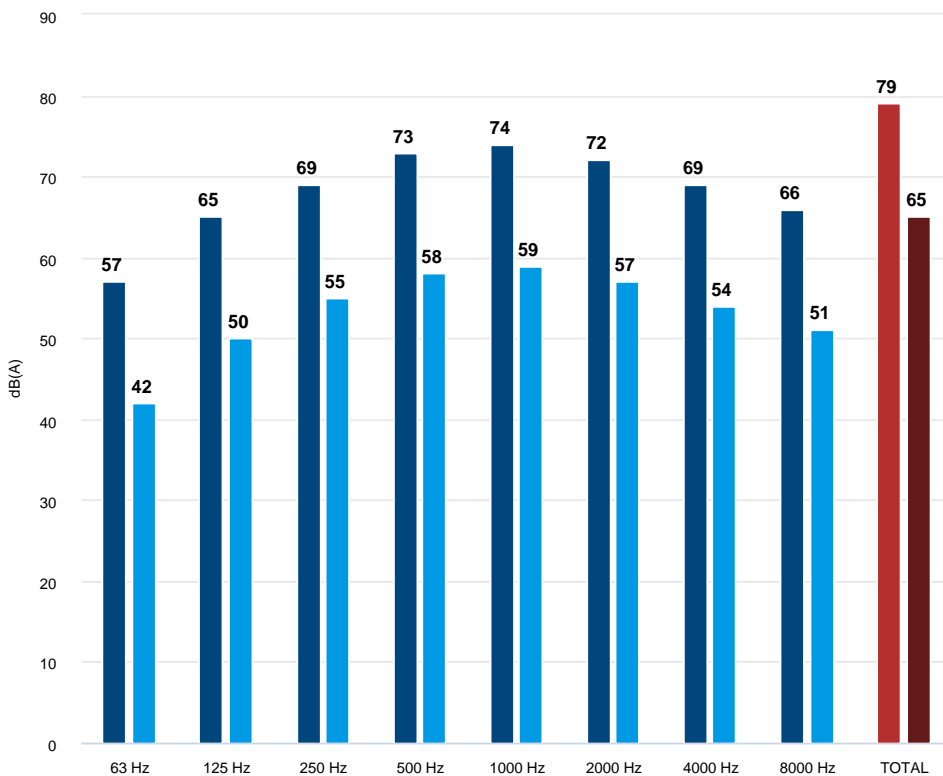
Fan

RPM	1680	Approx. weight	19 kg	Max. Flow	2448.48 CFM
-----	------	----------------	-------	-----------	-------------

Motor

Power	0,55 kW	RPM	1680	I max. (230V)	2,57 A	I max. (400V)	1,49 A
Efficiency (%)	76.4 %						

ACOUSTIC DATA



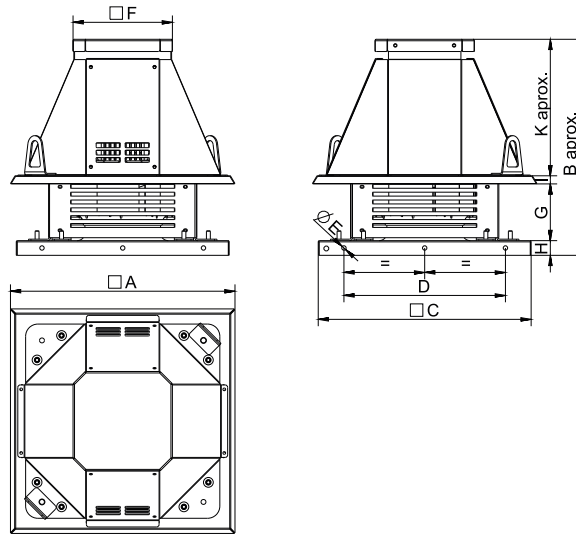
Sound power

63 Hz	57
125 Hz	65
250 Hz	69
500 Hz	73
1000 Hz	74
2000 Hz	72
4000 Hz	69
8000 Hz	66
TOTAL	79

Sound pressure 1.5m (in)

63 Hz	42
125 Hz	50
250 Hz	55
500 Hz	58
1000 Hz	59
2000 Hz	57
4000 Hz	54
8000 Hz	51
TOTAL	65

DIMENSIONS

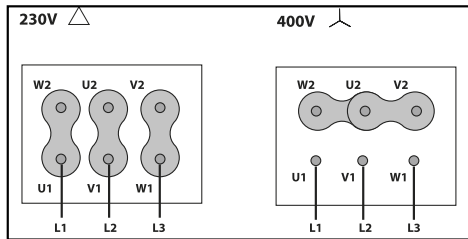


Dimensions (mm)

A	664,6	B aprox	644,6	C	665	D	520	E	9
F	253	G	210,8	H	40	I	30,75	K aprox	363,25

WIRING DIAGRAM

230/400V



400/690V

