

## GEOVENT CENTRIFUGAL FAN MSFG 146



### DESCRIPTION

The Geovent MSFG centrifugal fan with forward curving impeller is used for extraction within industry for spot extraction from work processes which generate poisonous steams or gases such as welding fumes and soldering smoke, exhaust extraction, and grinding and painting extraction.

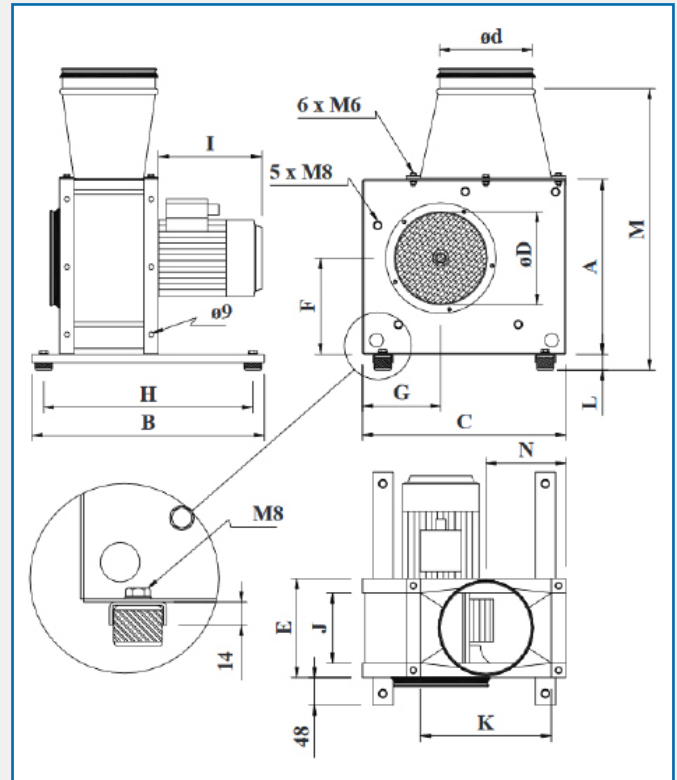
The MSFG centrifugal fans with forward curving impeller are produced in sizes from 400 m<sup>3</sup>/h to 4.900 m<sup>3</sup>/h in medium pressure ranges. The fans are ideal for both individual extraction and larger central extraction systems.

The fan is made 100% galvanized steel, for optimum corrosion resistance and therefore, it is suitable for outdoor installation on the roof or on the wall.

A full range of accessories is available such as flex connection, mountings, rain shield, motor protection, pressure monitor and soundproof box. As standard we supply supporting bracket with vibration absorbers, inlet nozzle with net and clamp for mounting the required outlet flange.

### TECHNICAL SPECIFICATION

Motor	Directly driven by a B5
Flange Motor	Sealing Class IP-55
Voltage	3x400V or 1x230V / 50Hz
Airflow (MSFG)	1100 m <sup>3</sup> /h
Pressure (MSFG)	625 Pa



**Dimension Table for MSFG Fans (mm)**

Type	146
A	245
B	400
C	295
D	160
E	145
F	134
G	113
H	360
I	178
J	95
K	185
L	27
M	402
N	118
Weight	12 KG

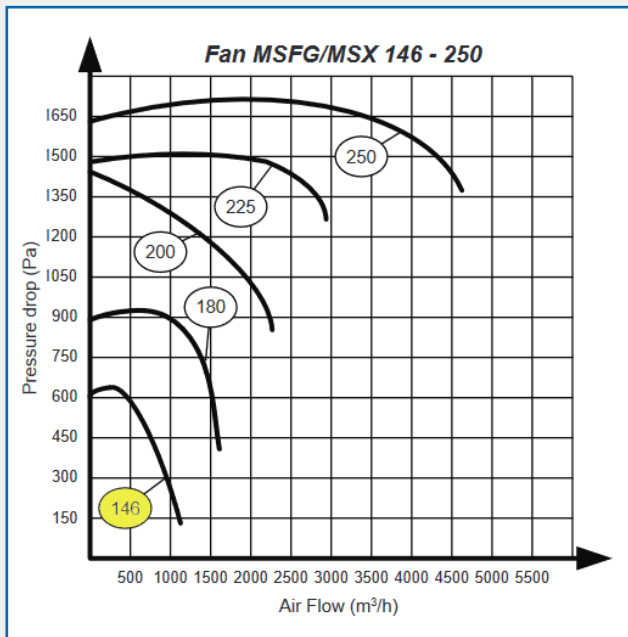
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### PRESSURE LOSS - MSFG/MSX

The fans ampere usage is based on 3PH 400V motors. When Single Phase 230V motors (For fan sizes 146-200) are used, it is possible to use a factor of around 2.7 to get the approximate ampere usage (can vary depending on model).

The air measurements are made without using an outlet flange on the outlet side and at a temperature of 20°C. The pressure drop measured in Pascals indicates the static pressure of the fan.



### ACCESSORIES

**Soundproof box** for sound level reduction. The fan is enclosed in a wind and waterproof galvanised box. The sound is typically subdued to 8-15 dB(A)

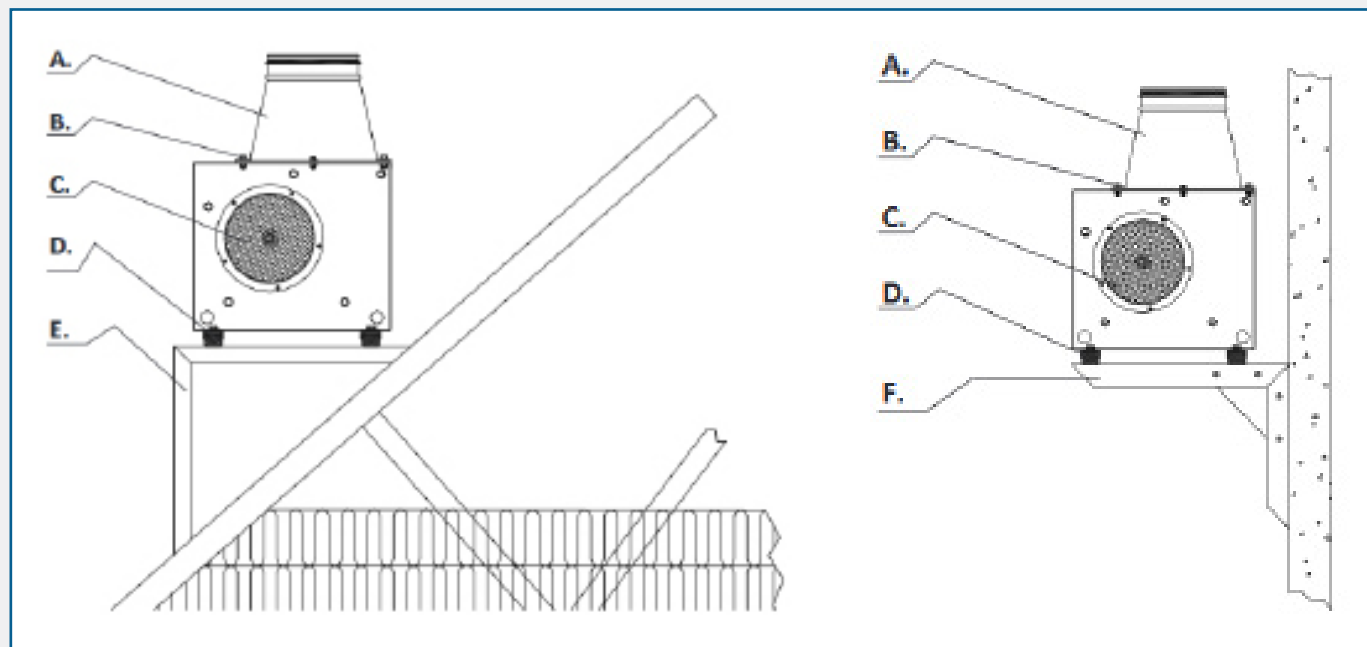


**Outlet flange**, in hot-galvanised steel. Supplied in several different sizes, used to transition from the fan's square yield.



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### MOUNTING CONFIGURATIONS

**A** - Outlet flange  
**B** - Clamp  
**C** - Inlet in sleeve

**D** - Supporting Angles  
**E** - Roof Bracket GB15°-45°  
**F** - Wall Bracket

### PART CODES

AES Part code	Part. Number	Model	Power (kW)	Voltage (V)	Current (A)
DF-CF02-003	38-002	MSFG 146-3	0.55	400V 3PH	1.3
DF-CF02-001	38-006	MSFG 146-1	0.55	230V 1PH	3.4

### SOUND DATA - MEASURED AT INLET

Type	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	Lp, dB (A)	Lp, 1m
MSFG 146	61	62	65	63	64	58	51	69	63

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