PLYMOVENT®
clean air at work

MNF

PORTABLE EXTRACTION FAN

The MNF is a portable fan that provides extraction in confined spaces and other hard to reach areas. For this purpose an extraction hose needs to be connected. Exhaust and/or extension hose is optional.

The MNF is mounted on a frame for easy removal.
A motor protection switch prevents overheating of the motor.
The MNF does not provide filtration.



MNF + SUS-5/160

APPLICATIONS

The MNF is intended to be used for the following applications:

- MIG-MAG/GMAW welding
- TIG welding
- FCAW welding
- stick/MMAW welding

SPECIFICATIONS

Physical dimensions and properties	
Material (housing): • housing • frame	 • polypropylene • powder coated steel
Colour: • housing • motor • frame	 • grey RAL 7024 • black RAL 9005 • black RAL 9005
Inlet diameter	Ø 160 mm (6¼ in.)
Outlet diameter	Ø 160 mm (6¼ in.)
Weight (net)	17 kg (37½ lbs)
Supply cable • plug	6 m (19⅝ ft) • not included
Performance	
Fan type	radial
Unrestricted airflow	2400 m³/h (1413 CFM)
Net extraction capacity: • MNF + SUS-5/160 • MNF + SUS-5/160 + EXS-5/160	 • 1300 m³/h (765 CFM) • 1150 m³/h (677 CFM)
Speed	2800 rpm
Noise level (incl. SUS-5/160)	69 dB(A) according to ISO 3746
Electrical data	
Power consumption	0,75 kW (1 HP)
Available connection voltages	115V/1ph/50Hz (115) 115V/1ph/60Hz (116) 230V/1ph/50Hz (215) 230V/3ph/50Hz (235) 400V/3ph/50Hz (435) 400V/3ph/60Hz (436)
Insulation class	F
Protection class	IP 55

Ambient conditions	
Process temperature: • min. • nom. • max.	 • 5°C (41°F) • 20°C (68°F) • 45°C (113°F)
Max. relative humidity	80%
Suitable for outdoor use	no
Storage conditions	• 5-45°C (41-113°F) • relative humidity max. 80%
Product combinations	
SUS-5/160 (compulsary)	flexible extraction hose 5 m (16⅜ ft)
Available options	
EXS-5/160	exhaust/extension hose 5 m (16⅜ ft) (max. hose length: total 20 m / 65⅝)
Scope of supply	
Portable fan | Hardware	
Order information	
Article numbers: • 7130800000 • 7130801000 • 7130200000 • 7130300000 • 7130500000 • 7130520000	 • MNF 115V/1ph/50Hz • MNF 115V/1ph/60Hz • MNF 230V/1ph/50Hz • MNF 230V/3ph/50Hz • MNF 400V/3ph/50Hz • MNF 400V/3ph/60Hz
Number/package	1
Shipping data	
Gross weight	20 kg (44 lbs)
Packing dimensions	500 x 600 x 500 mm (19⅝ x 23⅝ x 19⅝ in.)
Max. number/pallet	8414.5940.90
Harmonized Tariff Code	Netherlands

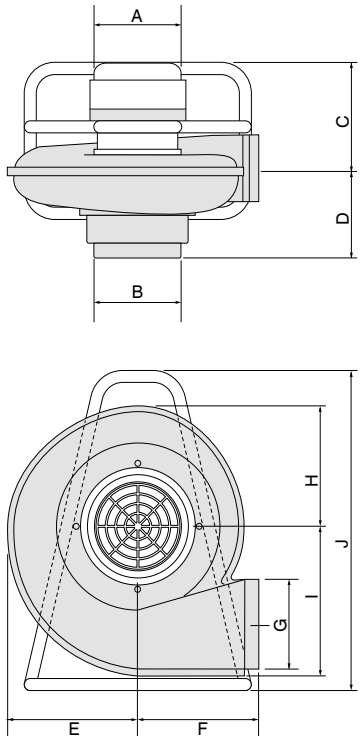
APPROVALS/CERTIFICATES

CE	
RoHS	Directive 2011/65/EC (RoHS) valid as of 8 June 2011

product data sheet

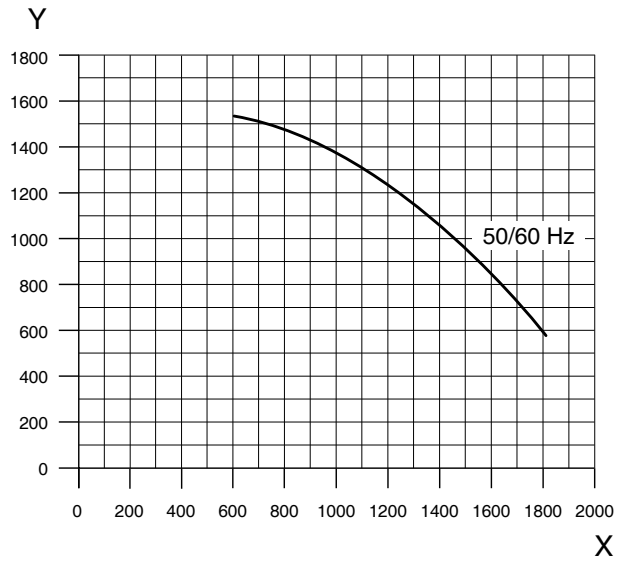
PLYMOVENT®
clean air at work

DIMENSIONS



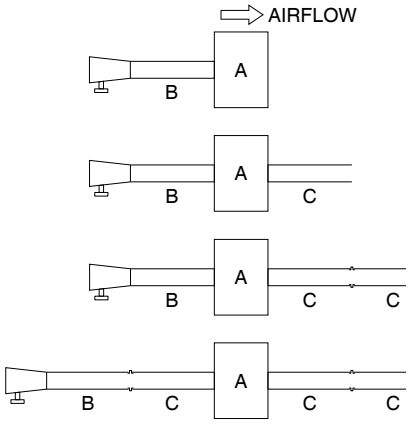
	mm	inch
A	Ø 160	Ø 6¼
B	Ø 160	Ø 6¼
C	300	11¾
D	180	7⅛
E	250	9⅞
F	230	9
G	Ø 160	Ø 6¼
H	225	8⅞
I	275	10⅞
J	587	23⅛

FAN CURVE



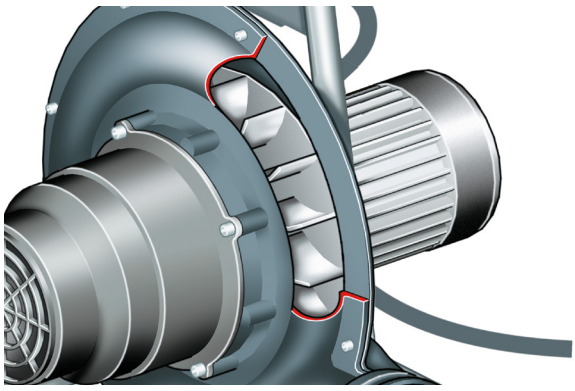
X = Airflow (m³/h)
Y = Static pressure (Pa)

POSSIBLE CONFIGURATIONS

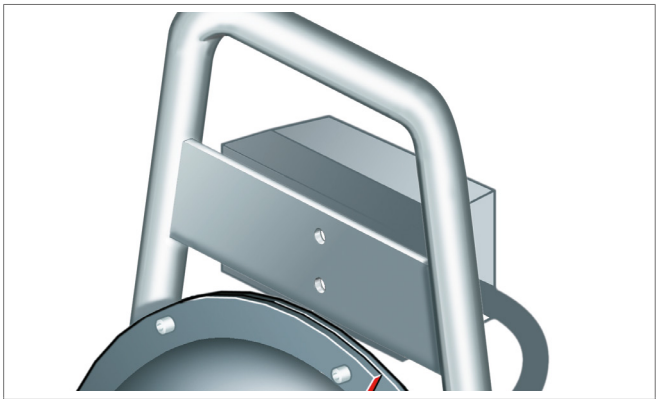


A = MNF
B = SUS-5/160 (5 m / 16½ ft)
C = EXS-5/160 (5 m / 16½ ft)

FEATURES & BENEFITS



Radial fan wheel



Motor protection switch

Application restrictions
Do **not** use the product for the following applications or in the following circumstances: polishing applications in combination with grinding, welding or any other application that generate sparks (fibres from polishing or abrasive flap disks are highly flammable and pose a high risk of filter fires when exposed to sparks) | aluminium laser cutting | oil mist | heavy oil mist in welding fume | arc-air gouging | extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium) | extraction of hot gases (more than 70°C/158°F continuously) | grinding aluminum and magnesium | flame spraying | extraction of cement, saw dust, wood dust etc. | sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids | explosive environments or explosive substances/ gases

Product type	**MNF**
Article no.	*refer to Order information*
Product category	portable welding fume extractors
Version	040620/D

Always check the latest version on **www.plymovent.com**