

FAN-14

EXTRACTION FAN

The FAN-14 is a wall-mounted extraction fan that provides extraction for T-Flex and LFA 2.0 extraction arms without filtration. It needs to be mounted on a separate wall bracket.



APPLICATIONS

The FAN-14 is intended to be used for the following applications:

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



Do **not** use the FAN-14 for the following applications or in the following circumstances:

- arc-air gouging
- aluminium laser cutting
- extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C/113°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



SPECIFICATIONS

Physical dimensions and properties

Material housing	polypropylene
Colour:	
• Housing	• grey RAL 7024
• Motor	• black RAL 9005
Inlet diameter	Ø 200 mm (Ø 7.87 in.)
Outlet diameter	Ø 160 mm (Ø 6.30 in.)
Weight (net)	14 kg (31 lbs.)

Performance

Fan type	radial
Unrestricted airflow	1200 m ³ /h (706 CFM)
Speed	1400 rpm
Noise level	58 dB(A) according to ISO 3746

Electrical data

Power consumption	0,55 kW (0.75 HP)
Available connection voltages	115V/1~/50Hz; 230V/1~/50Hz; 230V/3~/50Hz; 400V/3~/50Hz; 230V/1~/60Hz; 400V/3~/60Hz

Max. start/stops per hour	30
Insulation class	F
Protection class	IP 55

Ambient conditions

Operating temperature:	
• Min.	• 5°C (41°F)
• Nom.	• 20°C (68°F)
• Max.	• 45°C (113°F)
Max. relative humidity	80%
Outdoor use allowed	no
Storage conditions	• 5-45°C (41-113°F) • relative humidity max. 80%

Product combinations

T-Flex	telescopic extraction arm
Flex-2	flexible extraction arm
TNB/NMB	wall mounting bracket

Available options

SAS-160	silencer
Motor protection switch:	FAN-14:
• MPS 6.3-10.0 A	• 115V/1~/50Hz
• MPS 4.0-6.3 A	• 230V/1~/50Hz
• MPS 2.5-4.0 A	• 230V/3~/50Hz
• MPS 1.0-1.6 A	• 400V/3~/50Hz
Thermal relay:	FAN-14:
• NTR 7.5 -10.5 A	• 115V/1~/50Hz
• NTR 4.0-6.3 A	• 230V/1~/50Hz
• NTR 2.2-3.2 A	• 230V/3~/50Hz
• NTR 1.4-2.0 A	• 400V/3~/50Hz

Scope of supply

Fan - Hardware	
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Order information

Article numbers:	
• 7905620020	• FAN-14 115V/1~/50Hz
• 7905620010	• FAN-14 230V/1~/50Hz
• 7905620050	• FAN-14 230V/3~/50Hz
• 7905620040	• FAN-14 400V/3~/50Hz
• 7905622050	• FAN-14 230V/3~/60Hz
• 7905622040	• FAN-14 400V/3~/60Hz
Number/package	1

■ Shipping data	
Gross weight	
Packing dimensions	
Max. number/pallet	10
Harmonized Tariff Code	8414.5940.90
Country of origin	the Netherlands

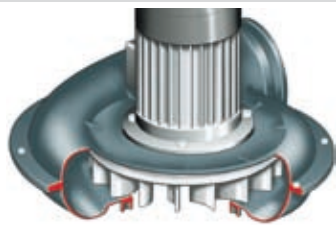
APPROVALS/CERTIFICATES



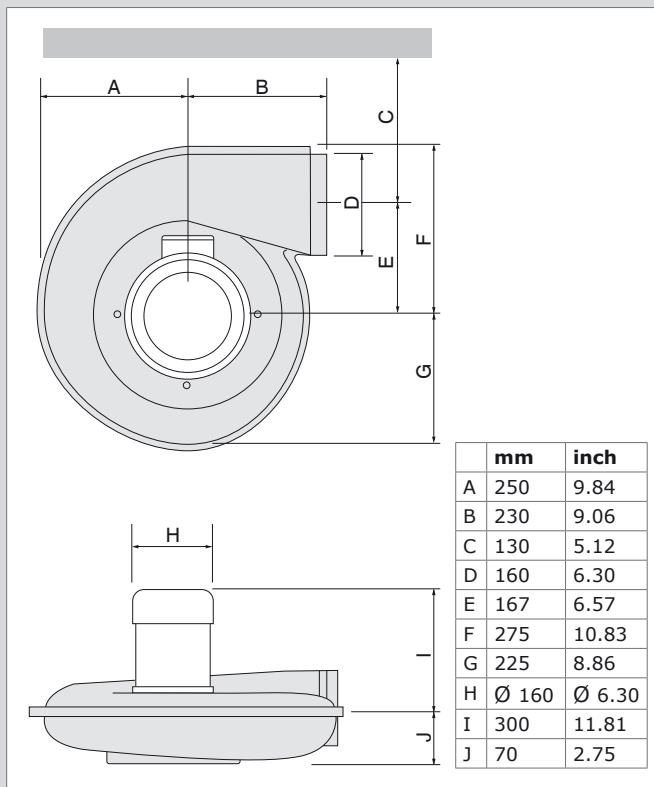
EU Directive 2002/95/EC
(RoHS) (valid as of July 2006)

FEATURES

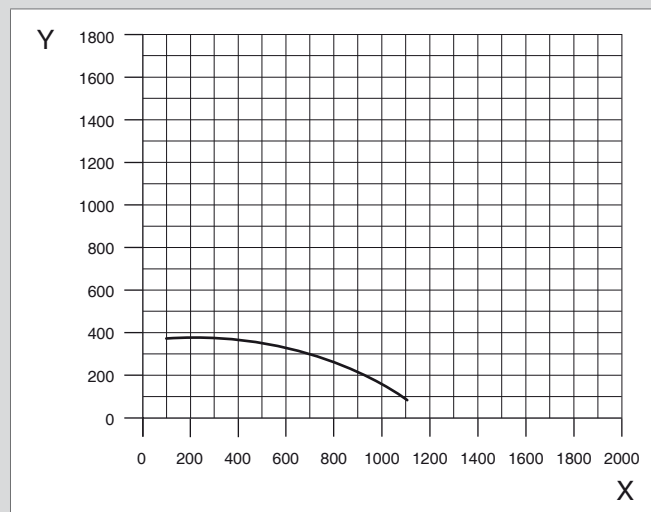
Radial fan wheel



DIMENSIONS



FAN CURVE



X = Airflow (m³/h)

Y = Static pressure (Pa)

Product type

FAN-14

Article no.

refer to order information

Product category

extraction fans

Version

071010/A

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