

Extraction Fan



Description

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
- 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



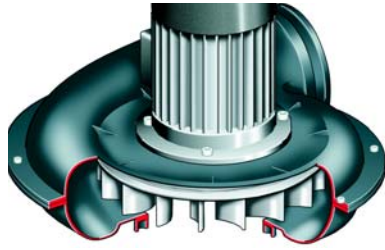
Specifications

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)

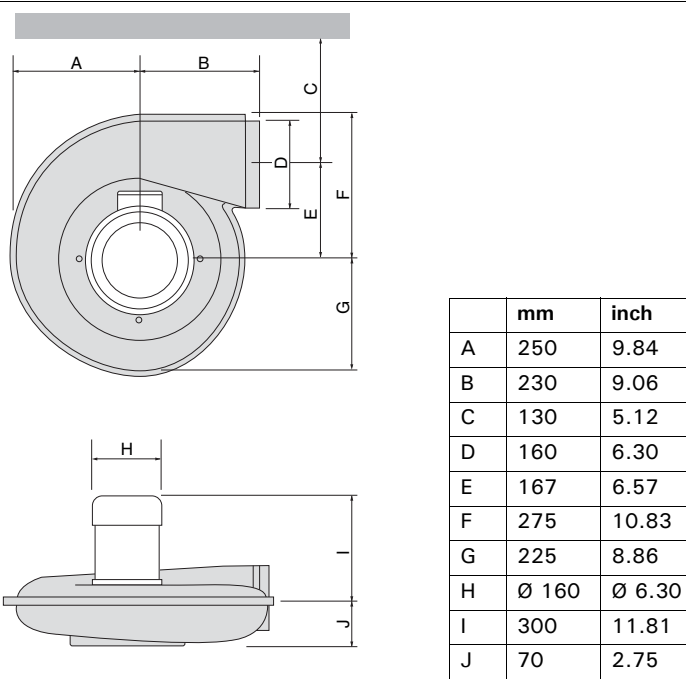
Available connection voltages	115V/1 ~ /50Hz; 230V/1 ~ /50Hz; 230V/3 ~ /50Hz; 400V/3 ~ /50Hz; 230V/1 ~ /60Hz; 400V/3 ~ /60Hz
Max. start/stops per hour	30
Insulation class	F
Protection class	IP 55
Ambient conditions	
Min. operating temperature	5°C (41°F)
Nom. operating temperature	20°C (68°F)
Max. operating temperature	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	
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	84213920
Country of origin	the Netherlands
Approvals/certificates	
	
	EU Directive 2002/95/EC (RoHS) (valid as of July 2006)

Features

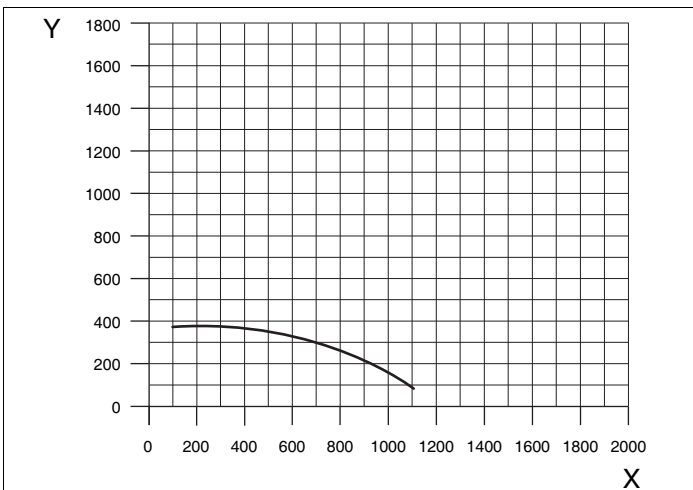
Radial fan wheel



Dimensions



Fan curve



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

Product type : FAN 14
Art. no. : refer to order information
Product category : extraction fans
Version : 191207/0

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