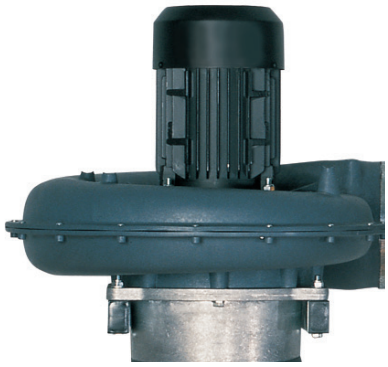
PLYMOVENT®
clean air at work

FAN-28

EXTRACTION FAN

The FAN-28 is a wall-mounted extraction fan that provides extraction for T-Flex, T-Flex/CW, Flex and UltraFlex extraction arms with or without filtration. It needs to be mounted on a separate wall bracket.



product data sheet

APPLICATIONS

The FAN-28 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	polypropylene
Colour: • housing • motor	 • grey RAL 7024 • black RAL 9005
Inlet diameter	Ø 200 mm (Ø 7⅞ in.)
Outlet diameter	Ø 160 mm (Ø 6¼ in.)
Weight (net)	15 kg (33 lbs.)
Performance	
Fan type	radial
Unrestricted airflow	2400 m³/h (1413 CFM)
Speed: • 50Hz • 60Hz	 • 2800 rpm • 3400 rpm
Noise level	69 dB(A) according to ISO 3746
Electrical data	
Power consumption	0,75 kW (1 HP)
Available connection voltages	*refer to Order information*
Max. start/stops per hour	30
Insulation class	F
Protection class	IP 55
Ambient conditions	
Operating temperature: • min. • nom. • max.	 • 5°C (41°F) • 20°C (68°F) • 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
T-Flex/CW	telescopic extraction arm
Flex-2/3/4	flexible extraction arm
UltraFlex-3/4	ultraflexible extraction arm
TNB/NMB	wall mounting bracket
Available options	
SAS-160	silencer; noise reduction 5 dB(A)
Motor protection switch (MPS) for FAN-28:	
• 115V/1~/50Hz • 230V/1~/50Hz • 230V/3~/50Hz • 400V/3~/50Hz	• MPS-10-16A • MPS-4.0-6.3A • MPS-2.5-4.0A • MPS-1.6-2.5A
• 120V/1~/60Hz • 230V/1~/60Hz • 230V/3~/60Hz • 400V/3~/60Hz	• MPS-6.3-10A • MPS-4.0-6.3A • MPS-2.5-4.0A • MPS-1.6-2.5A
Thermal relay (NTR) for FAN-28:	
	CB / CB-MCC-05 +
• 115V/1~/50Hz • 230V/1~/50Hz • 230V/3~/50Hz • 400V/3~/50Hz	• NTR-10-13A • NTR-4.2-5.7A • NTR-2.3-3.1A • NTR-1.3-1.7A
• 120V/1~/60Hz • 230V/1~/60Hz • 230V/3~/60Hz • 400V/3~/60Hz	• NTR-7.6-10A • NTR-4.2-5.7A • NTR-3.1-4,2A • NTR-1.7-2.3A
Scope of supply	
Fan - Hardware	
Order information	
FAN-28:	Article number:
• 115V/1~/50Hz (115) • 230V/1~/50Hz (215) • 230V/3~/50Hz (235) • 400V/3~/50Hz (435)	• 7905220020 • 7905220010 • 7905220050 • 7905220040

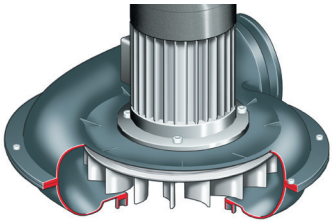
• 120V/1~/60Hz (116) • 230V/1~/60Hz (216) • 230V/3~/60Hz (236) • 400V/3~/60Hz (436)	• 0000111458 • 7905222030 • 7905222020 • 7905222040
Number/package	1
■ **Shipping data**	
Gross weight	18 kg (39¾ lbs.)
Packing dimensions	550 x 550 x 400 mm (21½ x 21½ x 15¾ in.)
Max. number/pallet	10
Harmonized Tariff Code	8414.5940.90
Country of origin	the Netherlands

APPROVALS/CERTIFICATES

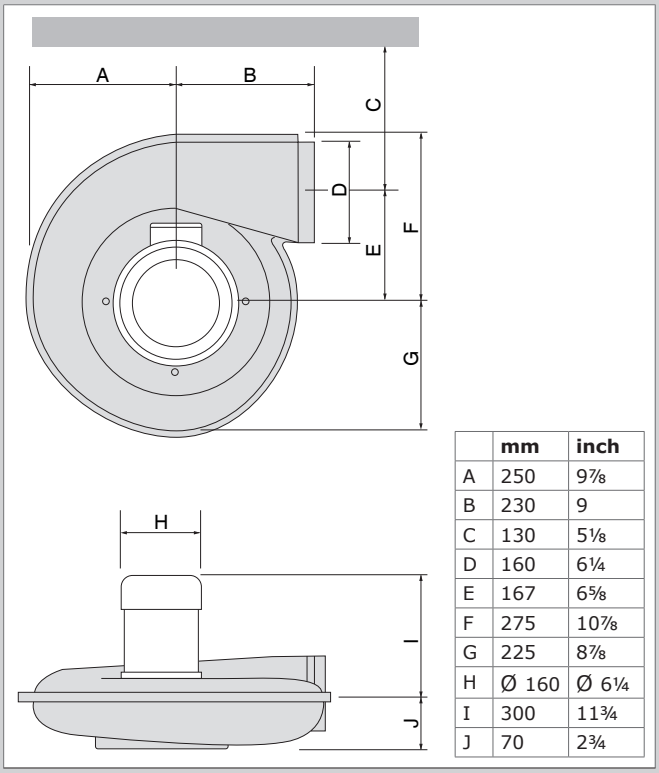
CE	
RoHS	Directive 2011/65/EC (RoHS) valid as of 8 June 2011

FEATURES

Radial fan wheel

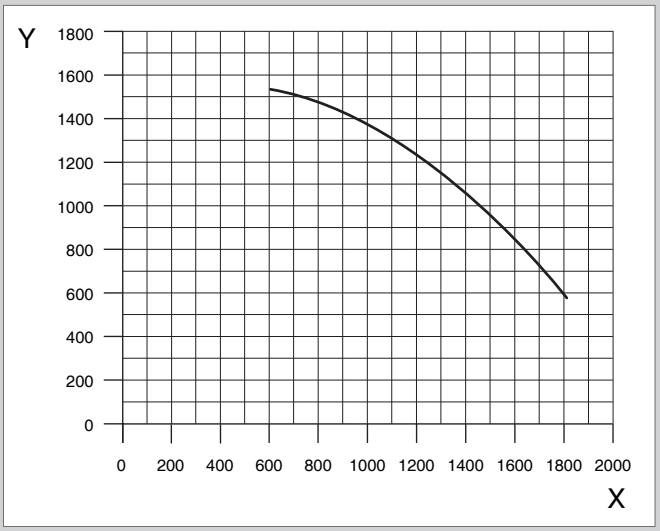


DIMENSIONS



	mm	inch
A	250	9⅞
B	230	9
C	130	5⅛
D	160	6¼
E	167	6⅝
F	275	10⅞
G	225	8⅞
H	Ø 160	Ø 6¼
I	300	11¾
J	70	2¾

FAN CURVE



X = Airflow (m^3/h)
Y = Static pressure (Pa)

Application restrictions
Do **not** use the product in combination with a filter 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

Product type	**FAN-28**
Article no.	refer to order information
Product category	extraction fans
Version	J

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