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EPF-30P

Intrinsically Safe Blower (Ventilator) 25 foot Static Conductive Duct Redirects Stale Work Area Air

Product ID: 1794



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

EPF-30P Explosion Proof Fan/Blower

Motor: 1.5 Horsepower
Inlet Pressure: (Max) – 100 psi
Noise Level : 86 Dba
Pneumatic Air consumption: 38 CFM
Fan Free Air Flow Rate: 2063 CFM

RPM: 3000

Bearings : Permanently Lubricated

Fan Type: Pneumatic Axial Blower/Extractor

Size: 12" Diameter (305 mm)

Weight: 28 Lbs (12.7 kg)

Height: 21" (533 mm)

Length: 17" (432 mm)

Width : 14" (355 mm)

UL and C-UL Listed

Class I, Groups A, B, C and D
Class II, Groups E, F and G
Class III Hazardous locations
Weatherproof
Indoor/Outdoor Use

Approved for confined spaces

Special Orders - Special Requirements

Contact us for special requirements

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Made in the USA

The Larson Electronics EPF-30P Explosion Proof Ventilator Fan / Blower with 25 foot static conductive duct safely and effectively redirects stale air from hazardous location areas. This explosion proof blower is unique due to it is certification for all groups including groups A and B where only air driven blowers are normally certified for these groups.

The EPF-30P Explosion Proof Ventilator Fan / Blower is designed for confined spaces that require a powerful ventilator that meets strict hazardous space

standards. This explosion proof fan/blower delivers high-performance with uncompromising safety and is UL and C-UL listed for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; and Class III hazardous locations. This fan is pneumatically powered, meaning this fan does not operate on electricity and requires a compressor to operate. This unit can be used indoors, outdoors, and in confined spaces.
Instead of being driven by an electrically powered motor, this fan connects to a compressor and operates on pressurized air. This unit has a 3/8 connecting port for standard compressor lines and requires a compressor capable of producing a steady 38 CFM flow at 100 PSI.



Click Photo to Enlarge

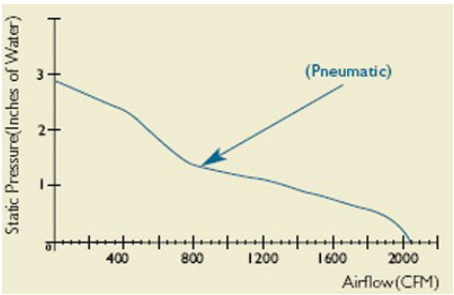


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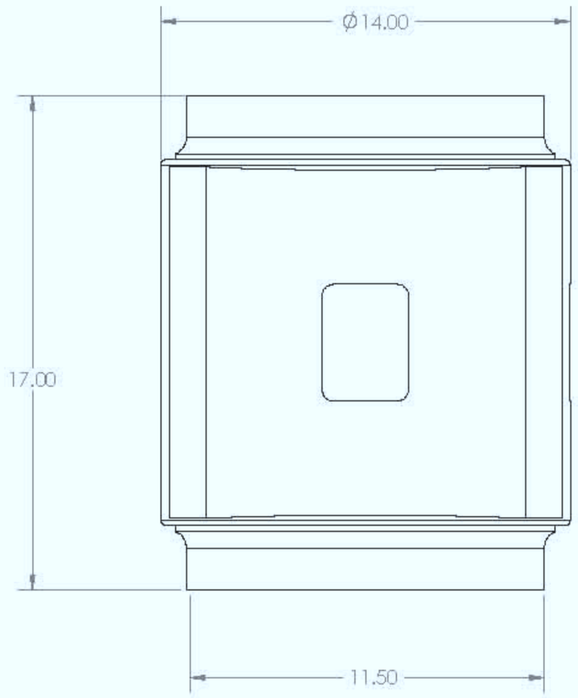
AIR FLOW RATES
Free Air – 2063 CFM
15 foot straight duct – 1753 CFM
15 foot duct with 1 90 degree bend – 1616 CFM
15 foot duct with 2 90 degree bends – 1450 CFM
25 foot straight duct – 1619 CFM
25 foot duct with 1 90 degree bend – 1497 CFM
25 foot duct with 2 90 degree bends – 1433 CFM

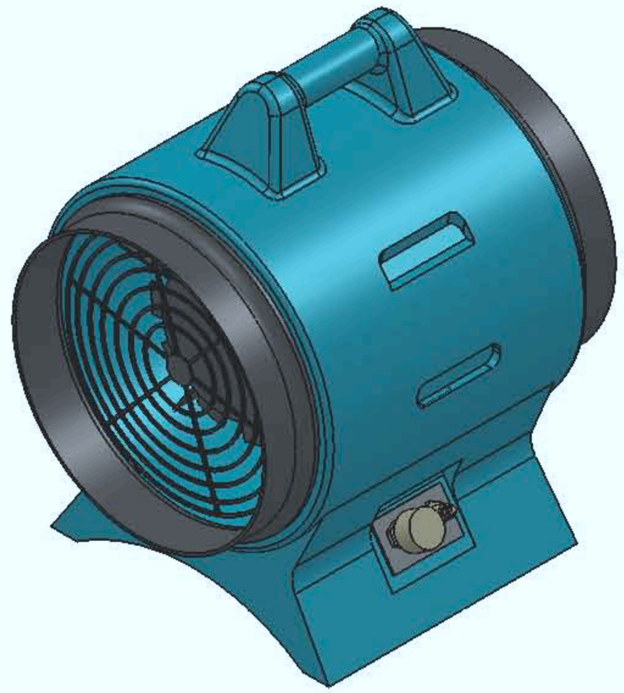


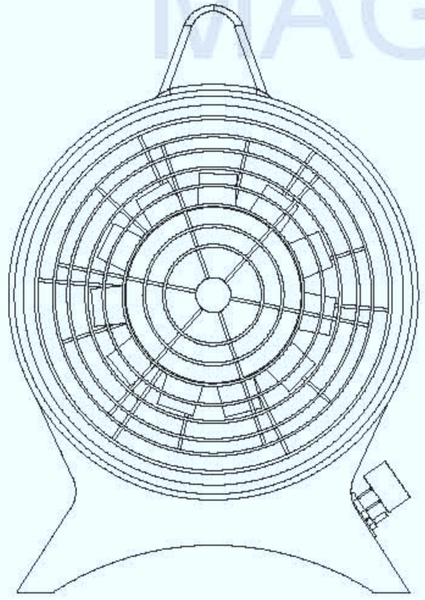
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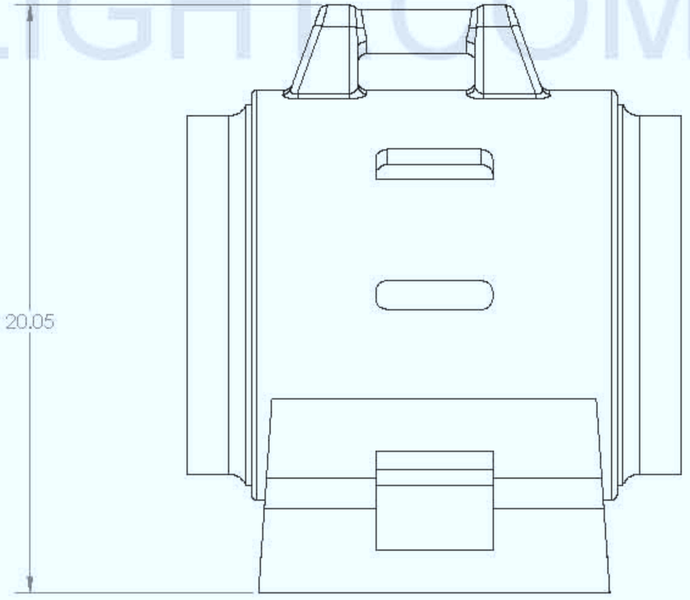
Click Here for Information on the Composition of the EPF-30P Housing.

This fan/blower unit has a CFM rating of 2,063, ensuring ample airflow and effective ventilation for larger jobs. This intrinsically safe unit is incapable of sparking and features a fully enclosed high performance motor and 25 feet of static conductive duct.
Hazardous location areas require this fan to have a static conductive duct (12 inches X 25 feet) which is included in this package. The duct consists of a single-ply polyester reinforced PVC vinyl fabric hose with an extrernal wearstrip reinforced with a spring steel wire helix. It is lightweight for blower applications and highly compressible. The retractability of the static conductive duct allows for convenient storage and easy transport in a fraction of its fully extended length and has low friction loss. The wearstrip offers external abrasion resistance, and is listed as YL 94 V-0 flame retardant. Ambient operating temperatures for this unit range from -20 degrees to 180 degrees Farenheit.
Note on Explosion Proof Fans: Can be used as an intake and an exhaust fan.









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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Magnalight.com
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN			TITLE: EPF-30P
			CHECKED			
			ENG APPR.			
			MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL	COMMENTS:			SIZE C · DWG. NO. · REV
NEXT ASSY	USED ON	FINISH				SCALE: 1:4 · WEIGHT: · SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING				

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EPF-30P



Frequently Asked Questions (FAQ)