Larson Electronics LLC www.LarsonElectronics.com sales@larsonelectronics.com
9419 E US HWY 175, Kemp, TX 75143 - P: (800) 369-6671 - F: (903) 498-3364

EPF-30P

GENERAL SAFETY INFORMATION

These instructions are for your protection and convenience. Please read them carefully since failure to follow these precautions could result in injury or even death.

- Always use the EPF-30P in accordance with the required operation standards listed below.
- Never put the EPF-30P into standing water or allow water inside the motor.
- Never store the EPF-30P outdoors.
- Never allow the air intake screens to become plugged.
- Never put any object in the intake screen unless the unit is disconnected from the air supply line and the fan blade has stopped turning.
- Do not allow the unit to be used as a toy. Close attention is necessary when used by or near children.
- Keep hair, loose clothing, fingers, and all parts of the body away from the intake screen.

If the fan is not working properly because it has been dropped, damaged, left outdoors, or submerged in water, contact us at 903-498-3363.

INSTRUCTIONS FOR OPERATION AND CARE

FOR ALL APPLICATIONS

1. 100 psi maximum.
2. Clean, dry, lubricated air supply required, coupler plate.

FOR HAZARDOUS LOCATIONS

1. Ground unit at lug on coupler plate
2. Air supply lines shall be made of electrically conductive material in accordance with the recommended practice on static electricity, NFPA 77, and/or any other applicable local code.

- Your new EPF-30P comes to you completely assembled and ready to operate. Carefully inspect unit for any possible damage from transit.
- When using the EPF-30P, note the directional airflow indicator on the external shell. This is the way the air moves.
- Prior to connecting the EPF-30P to the air supply line, inspect the inlet and outlet screen and remove any debris that may restrict airflow movement.

WHEN USED WITH DUCTING

- Do not install duct when fan is in operation.

FOR HAZARDOUS LOCATIONS

- Use only “Static Conductive Hose” properly grounded.
- If connecting duct to duct use only “Static Conductive” couplers made of aluminum.
- Place duct lip over duct adapter and secure firmly.
- Note the direction of airflow as indicated by the arrow on the side on the fan.

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SPECIFICATIONS

Pneumatic Motor: 1.71 hp
RPM: 3000
CFM: 2063

DIMENSIONS

Height: 21” 53.34 cm
Width: 14” 35.65 cm
Length: 17” 43.18 cm
Duct Adapter: 12” 30.48
Weight: 28 lbs. 12.75 Kgs

CAUTION: Severe personal injury or death COULD occur if hazard is ignored.

AIR MOTOR PRECAUTIONS

CAUTION: The air motor is designed to be driven by compressed air. Under no circumstances should the air motor be driven by any other gasses. The air motor must not be driven by fluids, particles, solids or any substance mixed with air, particularly combustible substances likely to cause explosion.
CAUTION: DO NOT USE KEROSENE OR OTHER COMBUSTIBLE SOLVENTS.
CAUTION: Foreign material exiting the air motor can be hazardous. Solid or liquid material exiting the unit can cause eye or skin damage. Keep away from air stream.
CAUTION: Keep face away from exhaust port. Eye protection is required.
CAUTION: Water, vapor, oil-based contaminates or other liquids must be filtered out.
CAUTION: Do not drive the air motor in excess of the recommended operating maximums below.

- Ambient temperature should not exceed 121°C (250°F).

INTERNAL OPERATING MAXIMUMS

MOTOR SIZE	MAXIMUM RPM	MAXIMUM PRESSURE (psig)	MAXIMUM TORQUE in lb.-inch	MAXIMUM AIR CONSUMPTION in CFM
V4	3000	100	36.29	38

CAUTION: Do not allow the air motor to “run free” at high speeds without a load.
Excessive internal heat buildup will result in loss of internal clearance and rapid motor damage.

CFM RATINGS

Free Air 2063 cfm
15’ Straight Duct 1753 cfm
15’ 1-90deg Bend 1616 cfm
25’ Straight Duct 1619 cfm
25’ 1-90deg Bend 1497 cfm.
25’ 2-90deg Bend 1422 cfm
100’ Straight Blowing 1243 cfm

CAUTION: Always disconnect the unit from the air supply before servicing.