

INSTALLATION, OPERATION, AND MAINTENANCE MANUAL

This publication contains the installation, operation and maintenance procedures for standard units of the

Dryer Booster Inline Fans

Carefully read this publication prior to installation.

Receiving and Inspection

Carefully inspect the fan and accessories for any damage or shortage upon receiving the fan.

- Turn the wheel by hand to ensure it turns freely and does not bind.
- Remove shipping tape.
- Record on the *Delivery Receipt* any visible sign of damage before the delivery person leaves.

Storage

If the fan is stored for any length of time prior to installation, store it in its original shipping box and protect it from dust, debris and weather.



WARNING

This unit has rotating parts. Safety precautions should be exercised at all times during installation, operation, and maintenance.

ALWAYS disconnect power prior to working on fan.



*On Select Models



PERSONAL SAFETY

Disconnect switches are recommended. Place the disconnect switch near the fan so that the power can be swiftly cut off in case of an emergency, and so that maintenance personnel are provided complete control of the power.

READ AND SAVE THESE INSTRUCTIONS

Electrical Supply

Check that the voltage and circuit details on the fan are suitable for your supply.

Caution: Never work on a fan unless power is turned off.

Wiring

All wiring should be carried out in compliance with regulations for electrical installations and comply with any local requirements.

Caution: Never work on a fan unless power is turned off.

Starting

All Dryer Boosters are supplied with a current sensor with a purge cycle timer that senses any electrical current from the dryer and automatically activates the dryer booster. After the dryer cycle, the timer continues the booster for 7 minutes extra to clear out any excess humidity and lint.

Protection

All fan motors are provided with internal Thermal Overload Protection(T.O.P). In the event that the fan overheats, the T.O.P. will break the circuit until the fan returns to normal operating temperature.

Caution: Never work on a fan unless power is turned off.

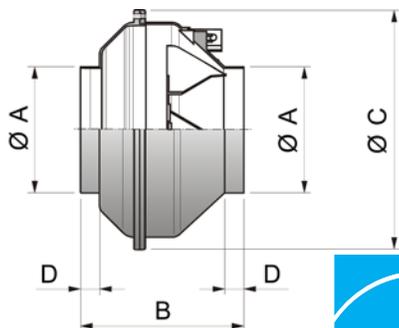
Rotating

The direction of rotation, looking into the inlet of the blower, should be clockwise.

Mounting (See images to the right)

All fans are suitable for mounting in any plane. Attach the black plastic mounting bracket to the support frame where you wish to mount the fan. Slide in the metal bracket (attached to the fan) into the already mounted black plastic bracket until you hear a light clicking sound.





Model	A	B	C	D
*R-100	4	9.7	11.3	1.2
R-110	4	9.7	11.3	1.2
*R-150	6	9.0	14.9	1.2



All dimensions in inches
* Energy Star

Wiring Diagrams

Using Current Sensor

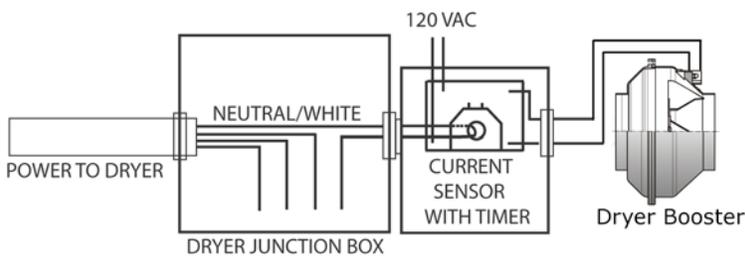


Fig. 1

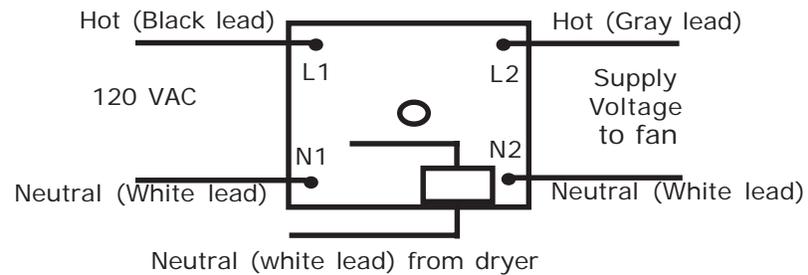


Fig. 1

Installation

1. Place the current sensor in an electrical junction box and attach the box to the existing dryer junction box. (Fig. 1)
2. Loop the white (neutral) dryer power wire to around the donought located on the current sensor, and then direct it back to the dryer junction box. (Fig. 1)
3. Connect 120 VAC power supply to the above specified terminals of the current sensor. (Fig. 2)
4. Connect the dryer booster fan to the above specified terminals of the current sensor. (Fig. 2)
5. Turn on the dryer and make sure the dryer booster fan turns on.

Models: R Series

SPECIAL WIRING PRECAUTIONS

All installations should be wired according to the supplied diagrams. Failure to comply will cause the motor to "hum" or not work.

1. Turn off power at service entrance before wiring this fan.
2. Read the fan serial number to determine the current draw. Check that available supply is suitable.
3. Be certain to use proper connector type for securing conduit cable.
4. Connect electrical supply per diagrams supplied.

Troubleshooting

1. If fan fails to operate, please check the following:
 - a) Consult wiring diagrams included to assure proper connection.
 - b) To assure proper contact, check motor lead wiring, incoming supply wiring and capacitor connections.
 - c) If possible, use a meter to test for continuity between fan leads. Please note that capacitor will show no reading if tested with meter.
2. If fan still fails to operate, consult distributor for return/replacement instructions.

Maintenance

1. Since fan bearings are sealed and have been provided with an internal lubricating material, no lubrication is necessary.
2. When using in a dryer boosting application, **DISCONNECT POWER SUPPLY** and check impeller periodically or any lint build up. No other maintenance is necessary.

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