



**11975 Portland Ave. S. Suite 104  
Burnsville, MN 55337**

**Phone: 952-894-6637**

**Fax: 952-894-0750**

**Email: [info@ventaire.com](mailto:info@ventaire.com)**

**Website: [www.ventaire.com](http://www.ventaire.com)**

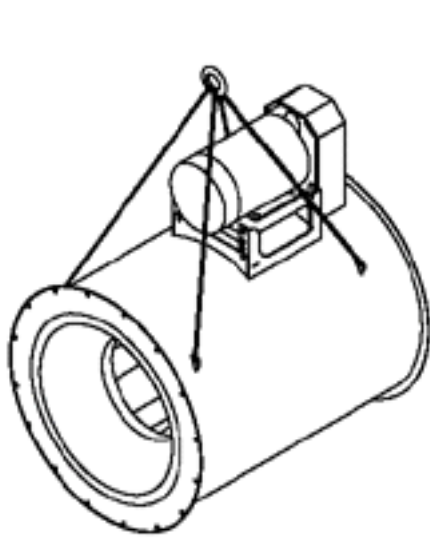
**PRODUCT GUIDE FOR**

**Ventaire**

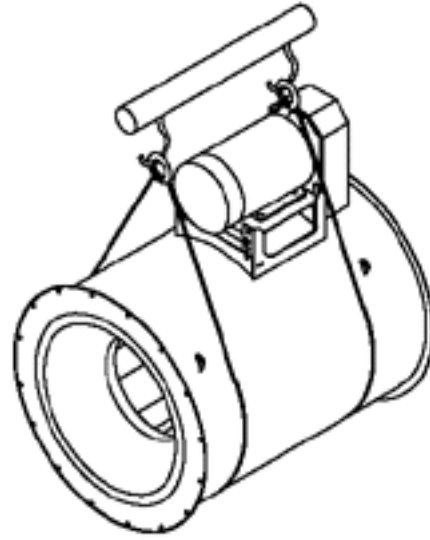
**TSL Inline**

**Centrifugal Fans**

Figure 1.



*Lifting With Lifting Lugs  
(Standard)*



*Lifting With Straps &  
Spreader Bar (Not Provided)*

## **INTRODUCTION**

1. Prior to installation inspect all components received for shipping damage. If damage occurred contact your Ventaire representative for assistance.
2. Read **ALL** instructions before proceeding with any installation, operation, or maintenance.

## **INSTALLATION**

1. The TSL series can be mounted horizontally, vertically, or at any angle if ordered accordingly.
2. Move the fan to the final mounting position.
3. When mounting to concrete, anchor bolts should be “L” or “T” shaped with sufficient length for nuts, washers, shims, and threads for draw-down. Each bolt should be placed in a sleeve or pipe with diameter larger than the bolt to allow for adjustment. When the mounting surface and the surface of the fan base do not match, shim level. Do not distort fan when tightening the anchor bolts.
4. Remove skid, crates and packing materials carefully.

5. Attach vibration isolators (if used) to appropriate mounting clips on fan. Locate fan in position by lifting. (See figure 1)
6. Carefully level unit using shims (on rigid mount fans) at mounting hole locations. Fans mounted with vibration isolators may be leveled by adjusting the hardware.

### **ELECTRICAL CONNECTION**

1. Use flexible conduit to the motor in order to prevent the transmission of any vibration throughout the conduit. Motor, not having thermal overload protection, should be provided externally with overload protection.
2. On applications where the blower is installed outdoors, it is recommended that a weather hood be attached in order to protect the motor from inclement weather. Bolt holes are provided for attaching same.
3. When power is connected check the rotation of the wheel to verify that it is rotating toward the discharge opening. Refer to the wiring diagram on the inside on the terminal plate to change rotation of motor. It is also advisable to check the amperage draw in the motor at time of start up and compare with nameplate amperage.

### **MAINTENANCE**

The three basic rules of motor maintenance are:

1. Keep the motor clean.
  2. Keep the motor dry.
  3. Keep the motor properly lubricated.
1. Blow dust off periodically (with low pressure air) to prevent motor from overheating.
  2. For lubrication schedule of the motor refer to the unit instruction plate on the motor.
  3. The V belt drives need periodic inspection, re-tensioning, and occasional belt replacement. Tension 50% greater than V-belt manufacturer for normal operation. This will reduce re-tensioning requirements.
  4. Check fan decals for bearing lubrication requirements.
  5. Periodically inspect the wheel blades of the unit installed in dirty or greasy air. Remove accumulations so as to prevent excessive vibrations.



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## 12-MONTH WARRANTY

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**VENTAIRE** warrants their products, to the original purchaser, to be free from defects in material and workmanship under normal use and service (except for those cases which buyer supplied materials are used) for a period of 12 months from the original date of shipment. During the warranty period, **VENTAIRE**, will at its option, repair, replace, or issue credit for any components that are deemed defective by **VENTAIRE**.

Buyer's failure to pay the full amount due within (60) days of invoice shall release seller from any and all liability or obligation to any warranty.

Before returning equipment for repair or replacement, a **Return Authorization Number** must be obtained from **VENTAIRE** (952-894-6637). The **Return Authorization Number** must be written on the outside of all shipping cartons. Items returned without a **Return Authorization Number** will be refused. Items returned should be in original condition in which it was received and must be accompanied with a written explanation of the reason(s) for their return.

This warranty does **not** cover damage caused by accident, misuse, misapplication, or unauthorized service modification.