

## CENTRAL BLOWER CO.

### SERIES (RE) BELT-DRIVEN BLOWERS

#### Operation and Maintenance Instructions

##### **INSPECTION:**

Upon receiving, check at once for any damage or missing parts. Check blower wheel to see that it rotates freely. Report any damage to carrier.

##### **INSTALLATION:**

For mounting and base dimensions, refer to RE catalog.

Central RE blowers should be mounted on a vented curb. Keep in mind that city codes generally require 40" minimum from bottom of your curb to the top of the blower. Blower should be installed on a rigid flat foundation. If foundation is not level, shim where necessary and secure the unit. When unit is mounted, check all cap screws and set screws. See that the wheel is clear of inlet cone and rotates freely.

After installation, exposed inlet or discharge must be guarded.

##### **V-BELT DRIVES:**

Blower pulleys should be aligned and motor fastened securely to motor plate provided. V-belt drives will provide long life with proper care. Motor shaft should be aligned so that it is parallel to blower shaft. Adjustment of belt should be made so that a  $\frac{3}{4}$ " deflection is obtained with finger pressure in the middle of the belt between pulleys. However, belts must be tight enough to prevent slippage when motor is started. To adjust the speed of the blower, remove belt and loosen the adjustable flange of the variable pitch motor sheave, turn flange to increase or decrease space between flanges. When retightening set screw, be sure it is setting on the flat part of the hub. When adjusting two groove variable pitch sheaves, both sides must be adjusted the same number of turns.

##### **ELECTRICAL CONNECTION: A qualified electrician should do all electrical work.**

Central (RE) units that bear the UL label are pre wired to the disconnect switch at our factory. If motor does not have a thermal overload protection, this should be provided. Blower unit should be started to check rotation of the blower wheel to verify that it is rotating toward the discharge scoop opening. Check amperage draw with the nameplate rating on motor. If motor is overloaded reduce blower speed by adjusting variable pitch motor sheave.

**Bodily injury may occur if the unit is serviced without disconnecting the energy source.**

**BALL BEARINGS:**

All Central type (RE) blowers equipped with self-aligning bearing pillow blocks. The pillow blocks are equipped with grease fittings to permit adding lubricant, however under normal conditions no greasing would be required during 3 to 4 years of operation.

Periodic inspection of the blower should include:

1. Checking wheel to see that it is not accumulating a layer of grease or dirt.
2. Checking belt(s) to see that they are not frayed or showing signs of failure and that tension is proper.
3. Checking set screws on bearings and pulleys.

**INSPECTION AFTER INITIAL START UP PERIOD:**

Once the blower has been in operation for several days, check and retighten the set screws on the bearings and on the drive sheaves. This will ensure long bearing and shaft life. Check & adjust drive belts.

**Be sure that the weather cover is securely replaced to insure that the exposed drives and shaft will not be a hazard.**

**WARRANTY**

Central Blower Co. (the Company) warrants that each blower manufactured by the Company shall be free from defects in material and workmanship under normal use and service for a period eighteen (18) months from the date of shipment or twelve (12) months from date of original installation, "whichever occurs first." If it appears within the warranty period that the blower does not meet the warranties specified above and the purchaser notifies the Company promptly, the Company agrees to remedy any such defect, at the Company's option, either by repairing any defective parts or by furnishing at the Company's factory, a repair or replacement part.

This warranty shall not apply to any equipment which has been repaired or altered in any way so as, in the Company's judgement, to affect its performance or reliability, nor which has been improperly installed or subject to misuse, negligence or accident. This warranty does not apply to electric motors, which however, carry warranty of the motor manufacturer. Warranty does not apply to drive belts.

This warranty is expressed in lieu of all other warranties expressed or implied, and of all other obligations or liabilities on the Company's part. The Company neither assumes, nor authorizes any representative or other persons to assume for it, any other liability in connection with the sale of its equipment.

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