

MAINTENANCE AND OPERATION INSTRUCTIONS

SERIES CBRE BELT DRIVEN BLOWERS

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 the carrier.

INSTALLATION:

For mounting and base dimensions, please refer to submittal data.

CBRE blowers should be mounted on vented curb. Keep in mind city codes require 40" minimum from bottom of the 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 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 setscrew, 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.

CBRE units that bear the ETL label are pre-wired to the disconnect switch at the 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 CBRE blowers are equipped with self-aligning bearing pillow blocks. The pillow blocks are equipped with grease fittings to permit added 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.

Be sure that the weather cover is securely replaces to ensure that the exposed drives and shaft will not be a hazard.