

CENTRAL BLOWER CO.

FORWARD CURVE DOUBLE (FCD) 4-WAY BLOWERS

Operation and Maintenance Instructions

INSPECTION:

Upon receiving, check at once for any freight damage and report any damage to carrier. See that blower wheel is properly centered between the housing inlets and rotates freely. Check all bolts holding bearings and all setscrews to see that they are tight.

BEARINGS:

Bearings are self-aligning cast iron pillow-block type and are pre-lubricated by the bearing manufacturer. The original lubrication under normal conditions should be sufficient for a period of one year. Thereafter the bearings should be re-lubricated about once a year.

V-BELT DRIVES AND MOTOR:

Motor may be located in various positions on the blower frame or can be mounted on the floor on a motor slide base. Motor shaft should be aligned so it is parallel to the blower shaft. Be sure pulleys are properly aligned. Belts must be tight enough to prevent slippage when motor is started. To adjust speed of the blower, remove belt and loosen the setscrew of the adjustable flange of the variable pitch sheave. Turn the flange to increase or decrease the space between flanges. Decreasing the space increases the blower speed: increasing the space decreases the blower speed. When retightening setscrew, be sure it is setting on the flat spot of the hub. When adjusting two-groove variable pitch sheaves, both sides must be adjusted the same number of turns, otherwise slippage is induced, wearing belts rapidly.

ELECTRICAL CONNECTIONS:

Use flexible conduit to motor in order to prevent the transmission of vibration. Motor should be installed in accordance with local codes and motor wiring diagrams. If motor does not have thermal overload protection, this should be provided. Blower unit should be started to check the rotation of blower wheel to verify that it is rotating toward the discharge opening. Check amperage draw and compare with nameplate rating on motor. If motor is overload, reduce speed by adjusting the variable pitch motor sheave.

INSPECTION AFTER INITIAL START UP PERIOD:

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

Be sure that the drive cover is securely replaced to ensure that 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 judgment, 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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