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PRODUCT GUIDE FOR

BIDD Direct Drive

Exhaust Fan

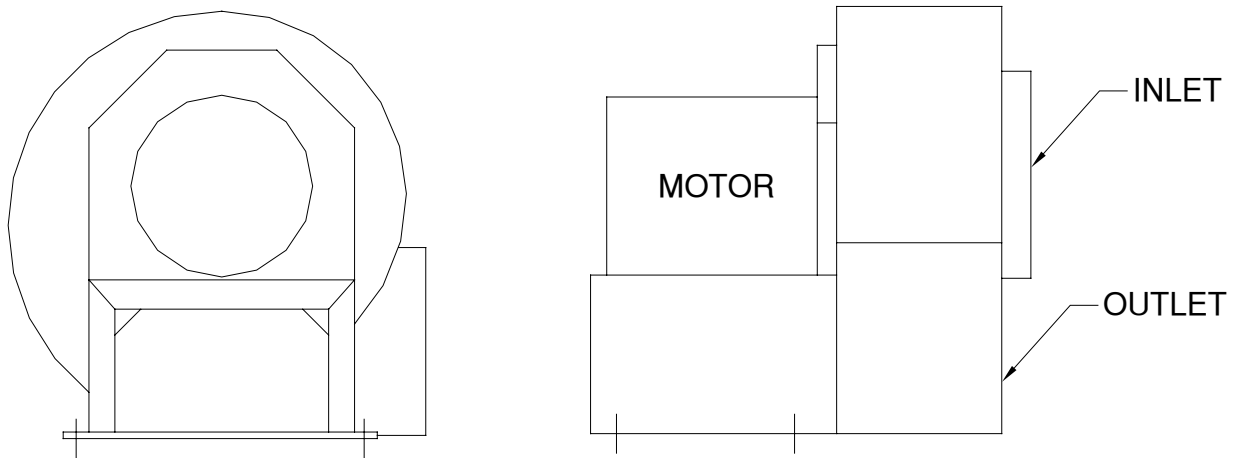


FIG 1

INTRODUCTION

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

INSTALLATION

1. Upon receiving, check at once for any damaged or missing parts. Check the blower wheel to see that it rotates freely. Report any damage to the carrier.
2. BIDD fans are normally supplied with the discharge in the bottom horizontal position; however this may be changed to any of eight positions by removing the cap screws which hold the scroll housing to the side support plate. Rotating can give the necessary discharge position. Replace the cap screws.
3. The scroll housing can be adjusted to accommodate either a 48 or 56 frame motor. The side support plate can be raised or lowered by means of the bolt holes provided in the motor base to accommodate motor supplied by others.

ELECTRICAL CONNECTIONS

1. Use flexible conduit to the motor in order to prevent the transmission of any vibration through the conduit. Motors not having thermal overload protection should be provided externally with overload protection.
2. Motors should be installed in accordance with local codes and motor wiring diagrams. The blower should be started to check the rotation of the blower wheel, to verify that it is rotating toward the discharge opening.
3. Check the amperage draw and compare with the nameplate rating on motor. If the motor is overloaded, reduce the speed by adjusting the variable pitch motor sheave.
4. On the application 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 the weather hood.
5. 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 of the terminal plate to change the rotation of motor. It is also advisable to check the amperage draw in the motor at the time of start up and compare it with the nameplate amperage.

MAINTENANCE

1. For the lubrication schedule of the motor refer to the unit's instruction plate on the motor.
2. Periodically inspect the wheel blades of the unit installed in dirty or greasy air. Remove accumulations so as to prevent excessive vibrations.
3. When inspecting the fan, be sure that drive cover is securely replaced to insure that exposed drives and shaft will not be a hazard.



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12-MONTH WARRANTY

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.