



AEROVENT

A U S T R A L I A

INSTALLATION & MAINTENANCE INSTRUCTIONS

Fan model:
Fan arrangement

Axial Flow Fans
4 (Direct drive)

SECTION 1.0 - INSTALLATION PROCEDURE

1.1

Fans are of an arrangement 4 type with impeller mounted overhung on motor shaft; fans are delivered fully assembled ready for installation.

All components should be inspected visually for any damage, which may have occurred during transport.

Fans are to be mounted direct to a suitable level concrete or steel foundation with mounting bolts through all mounting holes provided in mounting feet. If the fan is to be flange mounted, mating flanges should be square and no excess loads should be taken by the fan casing.

Fans are to be mounted level and if mounted on concrete, metal packers or shims are required under each bolting point with a suitable non shrink grout under entire mounting feet. Care must be taken when tightening mounting bolts to ensure that entire assembly is level and not distorted in any way.

SECTION 2.0 MAINTENANCE

Generally speaking industrial fans or blowers are simple machines which require little maintenance and providing that the following procedures are carried out and all fasteners are inspected and tightened if necessary, trouble free running should be ensured with minimal downtime.

2.1

DRIVE MOTOR

Since the continued running of a fan depends largely on the reliable operation of the electric motor, care should be taken to ensure that the motor is kept clean and free from dust, dirt, and oil at all times. The motor should therefore be regularly inspected and wiped clean as necessary with a dry cloth. Cotton waste should not be used.

Most electric motors have sealed bearings, which are packed with grease on assembly and should need no further attention for a least 6000 running hours. If grease nipples are fitted then motor bearings are to be lubricated as shown on motor lubrication plate

2.2

FAN IMPELLER

Fan impellers should be inspected periodically for signs of structural weakness such as cracking or distortion of fan blades. Hub securing bolts should be checked for tightness. Should it be necessary to repair the fan impeller in any way, it is recommended that the impeller is removed from the fan assembly and the work carried out in the fan manufacturer workshop. After the impeller has been repaired it should be checked for dynamic balance prior to being reinstalled.