



Installation and Operating Instructions for
LOW-VOLUME AERATION FANS

Models 5011(CF007) 5012(CF008) 5013(CF009)
5000, 5001, 5002, 5003, 5004, 5014

PLEASE READ THESE INSTRUCTIONS BEFORE OPERATING THE FAN

**THE ELECTRICAL INSTALLATION MUST BE CARRIED OUT BY A
QUALIFIED ELECTRICIAN**

This sheet contains important safety and operational information – please ensure that all relevant personnel concerned with the operation of the fan are conversant with the contents

DO	DO NOT
Ensure that the fan is firmly secured and not allowed to vibrate or rattle	Use this fan without a starter with a correctly-set overload. FAILURE TO USE THE CORRECT STARTER WILL VOID THE WARRANTY
Disconnect the fan from the mains supply when moving the fan	Use the fan without the suction or pressure adaptors supplied with it
Always use a qualified electrician to install the fan	Leave trailing electrical leads on the ground or in a position where they may be damaged
Check the fan rotation visually – centrifugal fans will still blow some air when running in reverse	Allow rain or water to come into contact with the fan

Inspect your fan within 24 hours of arrival

Unpack your fan and examine it for damage. Check the fan cowl on the motor and the plastic cooling fan behind the cowl – are both intact and does the cooling fan rotate freely? Also make sure that the fan impeller is rotating freely and that there is no contact between the impeller and fan casing. If you identify any sign of damage, do not use the fan and notify your supplier immediately. Damage not reported within 24 hours of receipt will void the warranty.

Extension leads

Each fan is normally fitted with a 2 metre cable. If you intend to extend the cable to the power supply then the task must be carried out by a qualified electrician.

Check the power supply

When the fan is installed, make sure that it is operating at the correct voltage and at or below the motor full load current (this information can be found on the motor plate). Check the voltage and the operating current at the point the fan is connected to the supply and whilst the fan is operating under load. It is very important to check both voltage and current immediately after switching the fan on. The current will be at a very high level for a few milliseconds after starting and should then drop back to the normal operating current. If the current does not drop back quickly or if the voltage is incorrect then switch the fan off immediately. Failure to do so is very likely to cause permanent damage to the motor.

Fit thermal overload protection

Electrical installations require all motors larger than 0.55kW to be installed with thermal overload protection. Use of a starter with the facility to incorporate both thermal overload protection and under voltage release is preferable. Properly installed, this will protect the fan from damage due to overload or low voltage.

With a three-phase system it is also prudent to install a phase protection device, as this will protect the fan motor in the event of one of the phases being lost. If this occurs when the fan is in operation then the fan will generally continue to run on the remaining two phases. Operating in this way for an extended period will damage the motor windings.

Make sure the fan rotation is correct

Viewed at the air inlet on the fan, the impeller rotation should be clockwise. An arrow on the fan casing also indicates the direction of rotation.

Preventative maintenance

Periodically removing any dirt or debris that attaches itself to the fan impeller will prolong the life of the fan and help prevent damage. Carry out the same operation to the external fan casings and check the state of the power cable for cuts and scratches.

EU Declaration of Conformity

Product: Centrifugal Fan
Model/Type: 5011, 5012, 5013, 5000,
5001, 5002, 5003, 5004, 5014
Date of Manufacture: 2021

Manufacturer: Gibbons Engineering Group Ltd.
Woodrolfe Road, Tollesbury, Maldon, Essex CM9 8RY.
This declaration is signed under the sole
responsibility of the manufacturer.

**I declare that this machine conforms to the provisions of the Machinery Directive 2006/42/EC,
the Low Voltage Directive 2014/35/EU and all UK HSE Requirements.**

Name: Matthew Gibbons Position: Managing Director Place of Issue: Tollesbury

Date of Issue: 12th May 2021

Signature: 