**Range Feature Summary**

* Thrust performance: 50 Newtons / 11.2 lbf
* Available Smoke Vent Categories:

200°C (392°F) / 2 hours

* Fans tested to ISO 13550:1999, and EN12101-3 (High Temperature)
* Motor protection IP55
* Pre-Galvanized sheet steel grade Z2 G275N
* Low profile design for extremely restricted height installations.

**IMPELLER**

**Material/ Manufacture**: Fabricated Steel, Backward Curved, Centrifugal Impeller

**Balance**: In accordance with ISO 14694:2003, Category BV-3, Grade G6.3.

**Operation**: Corrosion Resistant and suitable for continuous outdoor use.

**Impeller Design:** Impeller is designed for uni-directional operation.

**UNIT DESIGN**

Our Induction Thrust Fan (ITF) features a high efficiency centrifugal impeller which provides an enhanced aerodynamic performance and Thrust profile, whilst ensuring the overall product height is kept to a minimum. Due to its compact size, it is ideal for mounting in areas with a particularly stringent height requirement. The back of the unit can also be mounted very close to a solid object or obstruction, without affecting the aerodynamic performance of our product.

**Easy Installation:** Our ITF product is designed to be mounted directly to the soffit/roof slab to ensure that its installed height is minimized.

**MOTOR**

**Type:** Fan motors are of the totally enclosed, Cast Iron, Pad mounted, squirrel cage induction, continuous duty variable torque type and have an ingress protection rating of IP55.

**Bearings:** These are of the sealed for life.

**Motor insulation:**  Minimum insulation standard is Class "H". The motor temperature rise will be in accordance with, BS5000, EN 60034-1, or EN 12101-3 in cases of Emergency High Temperature applications.

**Standard Temperature fans**: Fans are designed for Continuous operation from -40°F to +122°F.

**High Temperature (HT) Range:** Once off emergency use for 392°F (F200) for duration of 2 hours in accordance with EN12101-3.

**Electrical Isolator:** A suitably compliant isolator (rated for the design temperature) is installed on all units as standard.

**Electrical Supply Options**:

Three Phase,60Hz 460v or 208v

**MOTOR SPEED CONTROL**

**Two Speed:** Pole Change (PC) or Dahlander two speed motors are reconnected from a single winding via six winding terminals to give two separate pole numbers.

**Speed Control:** All three phase, single speed, motors are suitable for inverter control.

**PERFORMANCE DATA**

**Testing:** The air performance data has been measured by the latest version of British and International Standards: ISO 13350: 1999 Industrial Fans Performance Testing of Jet Fans

The second duty levels quoted (low speed operation) are based on tests carried out under the Woods Air Movement certified laboratory conditions.

**HT Certification:** The induction fans are high temperature certified to the latest European standard EN12101-3 and are CE compliant.

**WARRANTY PERIOD**

Our standard warranty period for both the fan and motor is 1 year from date of dispatch.