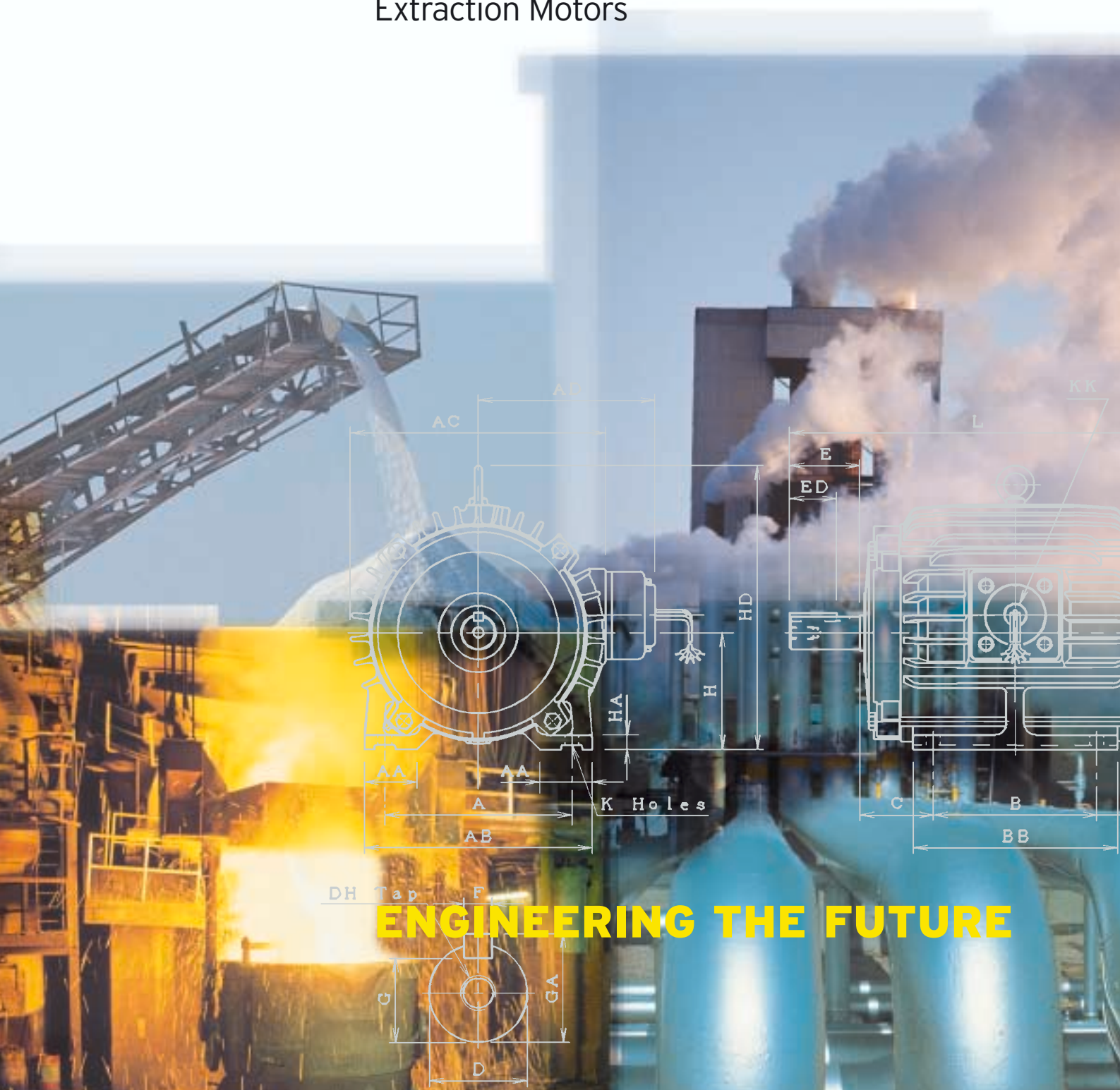


Advantage Guardian

High Temperature Resistant Smoke
Extraction Motors



ENGINEERING THE FUTURE



2

TECO MOTOR PRODUCTS

- Low voltage induction motors - IEC and NEMA
- High voltage induction motors
- Inverters
- Eddy current variable speed drives
- Drip proof motors - LV and HV
- DC motors
- Synchronous motors
- Vertical hollow shaft motors
- Hazardous area motors
- High efficiency motors
- Brake motors
- Stepper motors
- Switchgear

TECO PUBLICATIONS AVAILABLE

- Product overview
- Advantage IEC/Advantage+ high and premium efficiency cast iron motors
- Advantage Lite Aluminium motors
- Advantage Lite Brake motors
- Open Advantage drip proof motors
- Low voltage (AEJC)
- High voltage motors (AEJK)
- Large and High Voltage motors
- Slip ring motors (AEEQ-AEJS)
- Advantage Guardian range - high temperature resistant motors
- Minicon palm drive
- Minicon+ IP65 drive
- Speecon 7200JA variable speed drives
- Speecon 7200MA variable speed drives
- Speecon 7200GA variable speed drives
- Optim 2000 variable speed drives

Advantage

HIGH TEMPERATURE

GENERAL

Teco's range of High Temperature motors are designed & tested to operate at extremes of temperature in the event of a fire. These motors are for use with fans to extract smoke & heat from buildings giving sufficient time for people to evacuate.

DESIGN & SPECIFICATION

Teco **Advantage Guardian** high temperature resistant squirrel cage motors are designed and manufactured to operate at temperature class's F200, F300 & F400 as the table below.

Category	Temperature °C	Duration
F200	200	2 hours
F300	300	1 hours
F400	400	2 hours

The **Advantage Guardian** range complies with CEMEP/EC Efficiency Class EFF2. Our motors are backed with a **3 year warranty** making them ideal for use with industrial fans.

FEATURES

- Available in foot and pad mount
- No fan, cowl or terminal box for **A.O.M** (air over motor) (IC45).
- For high velocity air applications, higher outputs may be achieved, (refer to sales office).

RANGE

D80 to D315 frame.

ELECTRIC SUPPLY

380-415V 50Hz or 440V at 60Hz.

ENCLOSURE

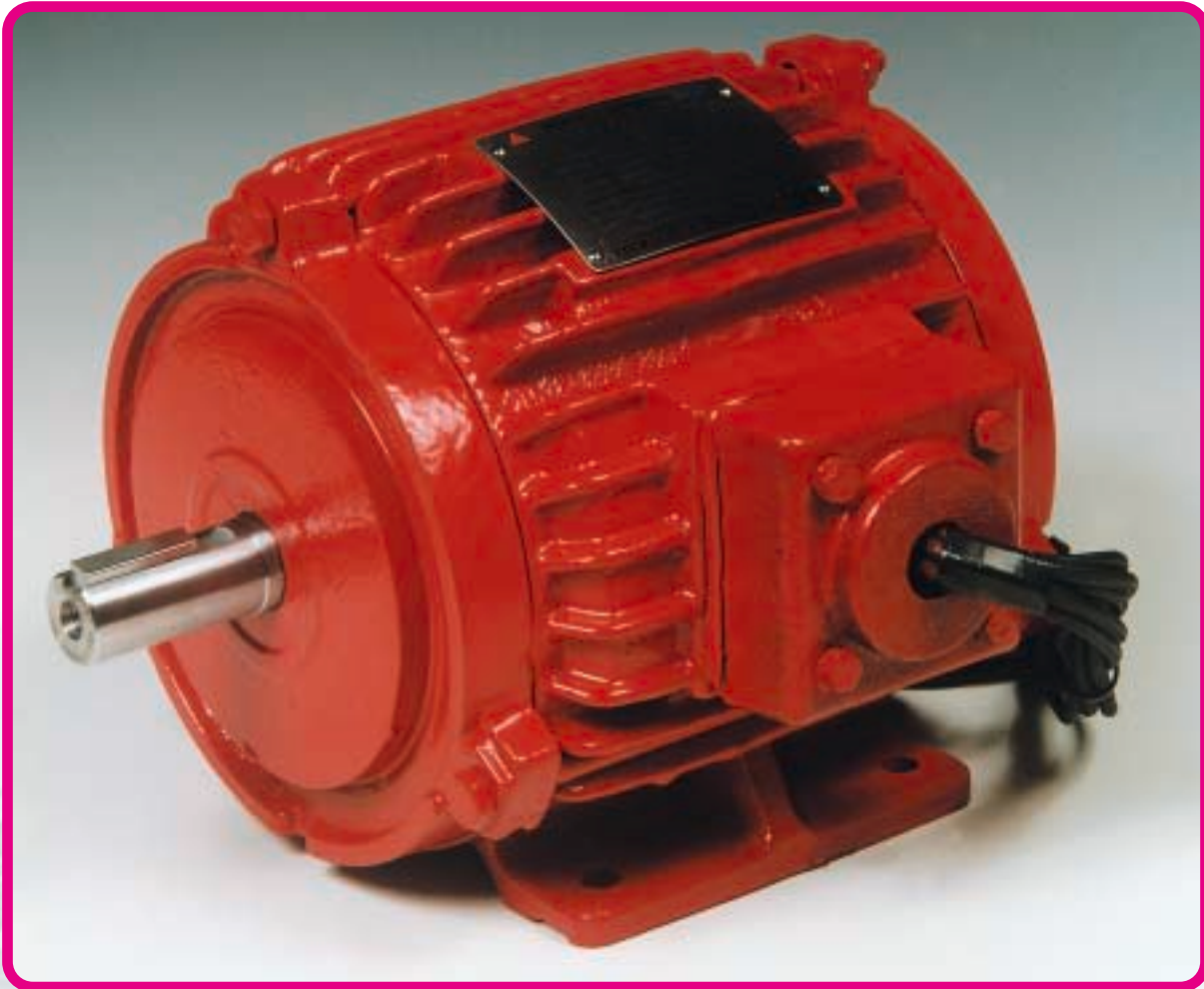
Totally enclosed **A.O.M.** air over motor for fan use in air stream. IP55.

RATINGS AND STANDARDS

The motors are rated **S1** (S.F. 1.0) continuous with follow-up emergency rating to **S2**.

Guardian

SMOKE EXTRACTION MOTORS



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MOUNTING

Foot Mount B3 (IM 1001) or Pad Mount (IM9201).
(Flange Mount B5/B14 on request only).

AMBIENT

-15°C to 40°C (normal operation).

BEARING SYSTEM LUBRICATION

D80-D160 frame high temperature grease shielded roller bearings (ZZ).

D180 upwards pressure grease relief system.

DIRECTION OF ROTATION

Bi-directional.

NAMEPLATE

Nameplates are made from stainless steel.

LOOSE LEADS

Motors fitted with 1 metre of high temperature cable.

STATOR, WINDING

Class H insulation.

PAINT FINISH

Phenolic rust proof base plus lacquer, surface finished painting in RED Munsell 7.5R/20 or RAL-3002.

ROTOR ASSEMBLY

Die cast aluminium.

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