

# SM KESPILL

TECO PRODUCTS DISTRIBUTED BY MOTOVARIO

**TECO** 



**MOTOVARIO**<sup>®</sup>  
HEART OF MOTION

a TECO Group company

## SMOKESPILL

Teco smokespill extraction motor range is designed and tested to operate at extremely high temperature, especially in case of fire.

Smokespill motors are mainly connected to industrial fans to extract smoke and heat from buildings in industrial sites and residential constructions.

The main advantage of such motors is to resist to high temperatures assuring a longer running time in case of fire compared to standard motors. According to that, especially in installations with high people density, it is assured a longer running time of the connected fans increasing the time for a safe evacuation.

## DESIGN & SPECIFICATION

Smokespill motors are available with efficiency IE2 or IE3, complying IEC 60034-30-1, and they are covered with two years warranty.

CATEGORY	TEMPERATURE °C	DURATION
F200	200	2 hours
F300	300	1 hour
F400	400	2 hours

The smokespill range complies with IE3, IE2 defined IEC 60034-30-1.

Our motors are backed with a **2 year warranty** making them ideal for use with industrial fans.

## KEY FEATURES

- Cooling: TEFC – Totally Enclosed Fan Cooled, or TEAO IP55 Totally Enclosed Air Overmotor
- Power range: 0,75 to 400KW
- Polarity: 2 to 8 pole
- Frame size: 80 to 355
- Power supply: 380-415(D)/660-720V(Y) 50Hz or 440-480V at 60Hz
- Inverter duty: ready
- Insulation: Class H
- Painting: C3 class
- Bearing: High temperature bearing grease
- Mounting positions: B3 B5 B35 B14 B34 V1 or pad mount IM9201
- Ambient temperature: range -15°C to 40°C standard operation
- Terminal board: ceramic
- Glands: for metallic cable
- Cable: 1 meter of high temperature cable as standard, extra cables length available as optional under customer specs
- Options: no fan, fan cover and/or terminal box for A.O.M. air over motor installation

## SAFETY CAN'T BE STOPPED

Smokespill motors, in bundle with TECO F510 AC Drives, offer the highest safety degree even at harshest ambient temperature.

The combination of the compliancy of motors to 400°C limit and the fan dedicated functionalities of the drive, generates a unique solution ideal for every demanding application of fans and blowers.



### BEARING SYSTEM LUBRICATION

D80-D160 frame high temperature grease shielded rolling bearings (ZZ)  
D180 upwards pressure grease relief system

### DIRECTION OF ROTATION

Bi-directional

### NAMEPLATE

Nameplates are made from stainless steel

### ROTOR ASSEMBLY

Die cast aluminium



### CERTIFICATION EN12101-3: 2015

TECO Smokespill motors passed all tests and had been certified in European third party, independent laboratories.

Smokespill motors can be offered both with standard terminal box or without terminal box with cable output.

## APPLICATIONS

Smoke evacuation and extraction in car parks, libraries, hospitals, shopping centers, museums, public and private buildings, tunnels, subways, mines.



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