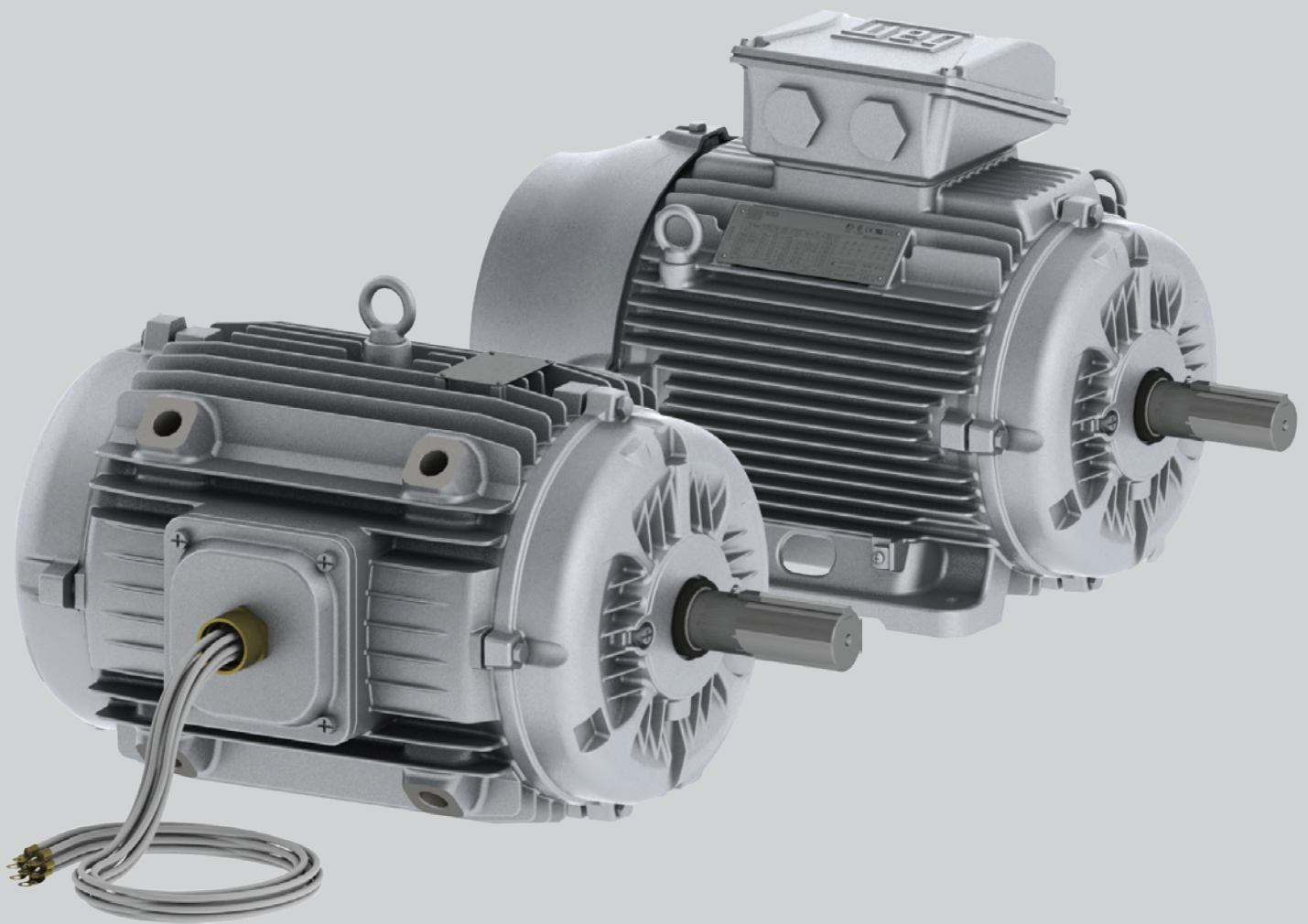


W22 Smoke Extraction

Motor for Smoke Exhaustion
European Market



Motors | Automation | Energy | Transmission & Distribution | Coatings

Smoke Extraction

Ensuring security in business and industrial installations is one of the main concerns of designers and company owners in the conception of business centers, factories, warehouses, parking garages, tunnels and other places with great concentration of people.

The Smoke Extraction motors were developed so as to ensure the air circulation in closed environments. In emergency situations, they withstand operation at high temperatures and ensure fast smoke extraction and heat, besides delaying the fire propagation, allowing free access to the emergency exits.

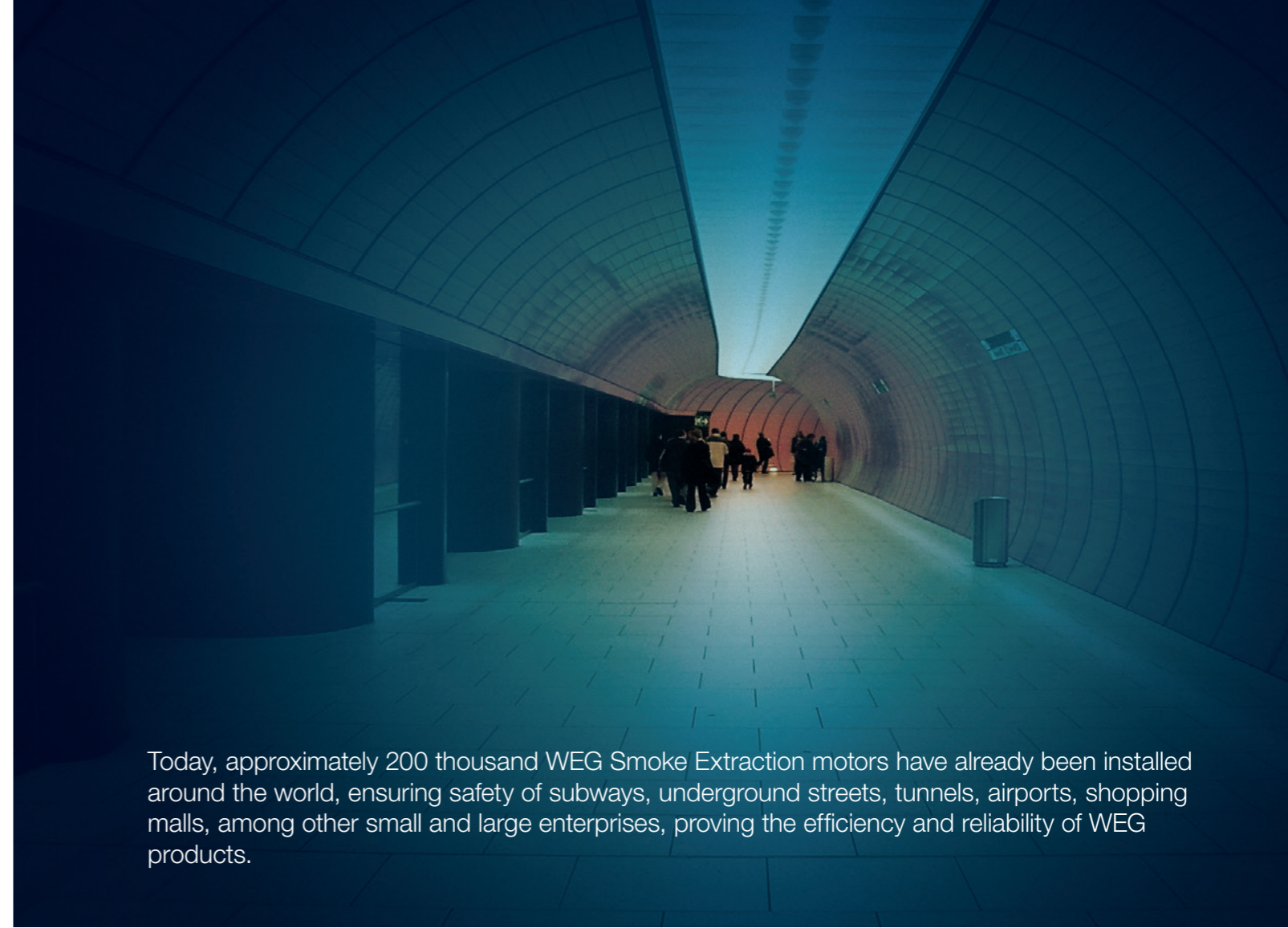


Smoke B3T, type TEFC
Frames 80 to 355A/B

Smoke B30, type TEAO
Frames 80 to 250S/M

The project of the Smoke Extraction motor is based on the requirements of the European safety standard for smoke and heat exhaustion systems - EN12101*:
Projected to operate at the maximum temperature of 200 °C, 250°C, 300 °C or 400 °C for up to 2 hours**.

* EN12101 - Smoke and heat control systems - Part 3: Specification for powered smoke and heat exhaust ventilators - April 2005
** Only once



Today, approximately 200 thousand WEG Smoke Extraction motors have already been installed around the world, ensuring safety of subways, underground streets, tunnels, airports, shopping malls, among other small and large enterprises, proving the efficiency and reliability of WEG products.

Smoke Extraction Characteristics

- Efficiency: IE1, IE2 or IE3 Premium (according to IEC 60034-30-1)
- Power: 0,12 to 500 kW
- Number of poles: 2 to 8 (optionally available 10 and 12)
- Duty: S1/ S2 (according to temperature class – only once)
- Temperature class: 200/300/400 °C
- Frequency: 50 Hz
- Voltage: 220-240/380-415 V (up to 100L)
380-415/660 V (from 112M and up) (optionally available in other voltages)
- Frames: 80 up to 355A/B
- Colour: RAL 9006 - Grey
- Impregnation system of the winding special to withstand high temperatures
- Terminal block special to withstand high temperatures (optional)
- Motors available in the mounting B3T or B30 (Pad mounted), with the cooling types:
 - TEFC (Totally Enclosed Fan Cooled);
 - TEAO (Totally Enclosed Air Over). (other mounting forms available optionally).

WISE® (WEG Insulation System Evolution)

Motor able to operate with frequency inverter*, thanks to the exclusive insulation system WISE®, developed by WEG, which enhances the winding insulation resistance.

*Insulation for voltages above 575 V, upon consultation.

Operating with a frequency inverter, the ventilation and air circulation systems may **save up to 70% of electric energy.**



For WEG's worldwide
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The values shown are subject to change without prior notice.
The information contained is reference values.