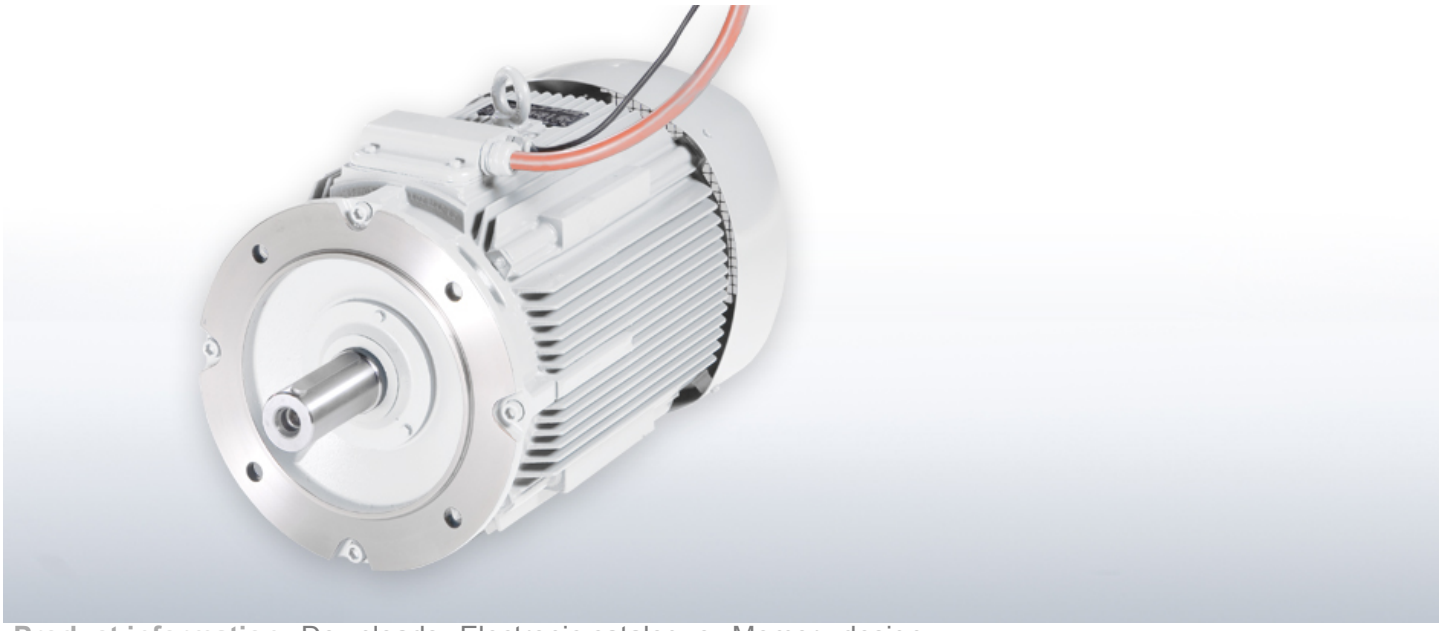
Low-voltage Fire gas motors



Based on the proven and tested basic design and construction of the VEM asynchronous motor series, a type series intended for use in mechanical smoke or heat venting and extraction systems has been developed through purposefully modified insulation systems, bearings and connections.

Under normal conditions, fire gas motors operate as conventional fan motors and are designed such that, in the event of fire, they should operate under strongly increased temperatures for a certain period of time as specified by the customer, and are then allowed to fail. These motors were subjected to severe testing even in the design stage whereby emergencies were largely simulated.

Technical details

Frame sizes	90 – 355
Power output range	0.25 – 500 kW
Fire gas class	F200, 300, 400 and 600 acc. to EN 12101-3
Efficiency classes according to IEC 60034-30	With due regard to VO(EG) 640/2009, these motors are available in the following design configurations: • without efficiency classification, • Standard Efficiency IE1, • High Efficiency IE2, and • Premium Efficiency IE3 (upon request only)
Speeds	1,500; 1,000; 750; 600; 500 r.p.m.
Types of protection	IP 55, optionally IP 56, IP 65 according to EN 60034-5 (IEC 60034-5)
Design type	IM B3, IM B35, IM B5, IM B14, IM B34 and derived designs according to EN 60034-7
Types of cooling	According to EN 60034-6 (IEC 60034-6) • self-ventilated, IC 411 • forced-ventilated, IC 418 • unventilated, IC 410
Coolant temperature / altitude of site	As a standard feature, -20°C through +40°C, altitude of site 1,000 m above sea level, deviating temperatures or altitudes of site are available upon request

Transponder	Optional, RFID System iID®2000 (13.56 MHz based on ISO 15693), not appropriate for emergency operation

Contact

Please select

Find Sales Locations

Contact us now