

Low-voltage Brake motors



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With many applications, it is imperative that drives stop reliably and fast. Here, VEM brake motors are the right choice when it comes to lifts, hoists, cranes, winches, conveyors, or machine tools. Energy-efficient and non-polluting, designed according to DIN EN 60034 (IEC 60072), mounting dimensions or allocation of output according to DIN 42673, 42677, or progressive, rugged and low-vibration gray cast iron design, thermal class 155 (F) including thermal reserve, 180 (H) available as an option, terminal boxes optionally arranged on top, on the left or on the right, many modifications available.

Features

- Energy-efficient and non-polluting
- designed according to EN 60034 (IEC 60072)
- mounting dimensions or allocation of output according to DIN 42673, 42677, or progressive
- rugged and low-vibration gray cast iron design
- thermal class 155 (F) including thermal reserve, 180 (H) available as an option
- terminal boxes optionally arranged on top, on the left or on the right
- many modifications available

Technical details

Frame sizes	63 – 355
Power output range	0.12 – 500 kW
Efficiency classes according to IEC 60034-30	With due regard to VO(EG) 640/2009, these motors are available in the following design configurations: <ul style="list-style-type: none">• without efficiency classification,• Standard Efficiency IE1,• High Efficiency IE2,• Premium Efficiency IE3
Speeds	3,000; 1,500; 1,000; 750; 600; 500 r.p.m., lower speeds are available upon request

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) <ul style="list-style-type: none">• self-ventilated, IC 411• forced-ventilated, IC 416• 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)

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