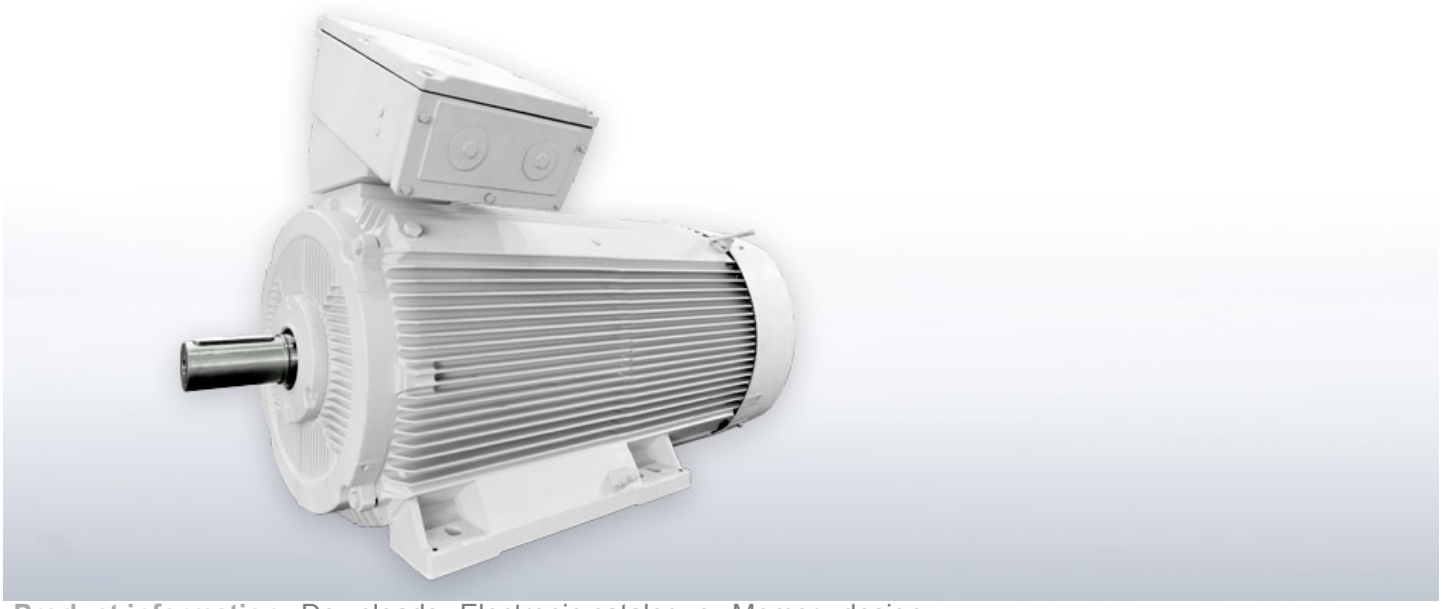
Low-voltage Transnorm motors



Product information Downloads Electronic catalogue Memory design

With the new energy-efficient transnorm motors, VEM has extended its low-voltage asynchronous motor range up to 1000 kW.

Features

- Energy-efficient and non-polluting
- these motors are designed for operation on a frequency converter
- designed according to EN 60034 (IEC 60072)
- designs IM B3, IM B35 and IM V1 according to EN 60034-7
- type of protection IP 55, optionally IP 56 or IP 65
- rugged, monobloc pressure die-casting rotor
- winding of thermal class 155 (F), optionally 180 (H)
- impregnated under vacuum
- optimized ventilation system with internal and external cooling as from frame size 355MX
- regreasing device including grease feed regulator
- temperature monitoring with positive temperature coefficient (PTC) resistor (low-voltage design) or PT100 (high-voltage design) respectively
- amply dimensioned terminal boxes
- comes with a standard RFID transponder (Memory Motor)
- non-polluting paint system based on water-based paint

Technical details

Frame sizes	315 – 450
Power output range	200 – 1,000 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: • without efficiency classification, • Standard Efficiency IE1, • High Efficiency IE2, and • Premium Efficiency IE3 > 375 kW according to design IEC 6034-30 Edition 2.0, 2/1652/CD
Speeds	3,000; 1,500; 1,000; 750; 600; 500 r.p.m., lower speeds are available upon request, pole-changeable designs are available for many speed combinations, such as with Dahlander winding 4-2, 8-4, 12-6-pole or 6-4, 8-2, 8-6 and 12-4-pole with two separate windings, three speeds such as 8-4-2 or 8-6-4 resp., or four speeds 12-8-6-4-pole
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 V1 (IM B5 up to and including frame size 315MY) 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 416 • unventilated, IC 410
Coolant temperature / altitude of site	As a standard feature, -20°C through +40°C, optionally -40°C through +60°C, altitude of site 1,000 m above sea level
Transponder	Optional, RFID System iID®2000 (13.56 MHz based on ISO 15693), comes as a standard feature as from frame size 400

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