VEM

ELECTRIC DRIVES

FOR EVERY DEMAND



Drive solutions for the steel industry

For the toughest demands

VEM – your competent partner for drive questions

Focus on special motors and machines to customer specifications

more than **30 Mio.** electric motors worldwide in operation

1,400 committed employees worldwide

Delivery to customers in over **90 contries**

about **200 Mio. Euro** annual turnover

Motors 0.06 kW - 60 MW
Generators up to 90 MVA
range of electrical drive systems, special motors and special machines

electrical engineering tradition since **1886**

MADE IN GERMANY

- flexibility due to a high level of vertical integration
- internal design and development for tailor-made solutions
- fast and reliable deleieries of preium quality motors
- Durable and robust under extreme conditions
- environmentally friendly and highly energy efficient
- low “life cycle costs”

VEM - qualified and certified worldwide

Quality, environmental energy management	Chemical, oil & gas	Shipbuilding	Product-specific approvals and certificates for selected countries
• EN ISO 9001 • EN ISO 14001 • EN ISO 50001 • EN ISO/IEC 80079-34			



German production

Wernigerode - Zwickau - Dresden

Low voltage three-phase light-duty roller table motors



Frame size 56 up to 500
Output range 0.12 kW to 1.800 kW
Version for conveyors roller tables
Duty type S1, continuous duty
S9
Ventilated cooling method IC 411, IC 416
Available speeds 3.000, 1.500, 1.000, 750, 600, 500 r.p.m.
lower speed on request
Degree of protection IP 55, higher degrees of protection up to IP 66 on request
Version ace. to DIN EN 60034 (IEC 72)
Isolation class F with termal reserve
H as an option, energy-saving
Robust, low-vibration cast-iron version, ecologically compatible, numerous modification options

IE4 Super Premium

IE3 Premium Efficiency

Low voltage three-phase water-cooled motors



IE4 Super Premium

IE3 Premium Efficiency

Frame size 225 up to 500
Output range 18.5 kW to 1.600 kW
Version for inverter feeding
Duty type S1, continuous duty
S9
Water cooled IC 71W (IC 31W)
Available speeds 3.000, 1.500, 1.000,.750 r.p.m.
lower speed on request
Degree of protection IP 55, higher protection classes up to IP 66 on request
Version ace. to DIN EN 60034 (IEC 72), robust
Isolation class H as an option, ernergy-saving and ecologically friendly
F with termal reserve
Numerous modification options, the motor housing is designed as a grey cast iron housing with integrated cooling tubes up to size 280 and as a double-walled welded steel construction from size 315

Low voltage three-phase heavy-duty roller table motors



Frame size 112 up to 400
Output range 0.5 kW up to 450 kW
Roller table version for inverter feeding
Duty type S9
Non ventilated, cooling system method IC 410
Available speeds 1.500, 1.000,.750, 600, 500 r.p.m.
lower speed on request
Degree of protection IP 55, higher degrees of protection up to IP 66 on request
Version ace. to DIN EN 60034 (IEC 72)
Robust, low-low-vibration cast-iron version
Isolation class F with termal reserve
H as an option
Terminal box on top or back
Energy-saving and ecologically friendly
Numerous modification options, with mounted gear boxes

Tailor made low voltage and high voltage, asynchronous and synchronous motors



Frame size 355 and larger, up to 200t
Output range up to 2.400 kNm, rated torque/ 60 MW
All cooling and mounting types

ELECTRIC DRIVES

FOR EVERY DEMAND

VEM motors GmbH
Carl-Friedrich Gauß Straße 1
38855 Wern igerode
Germany

VEM Sales

André Festerling
Specialist Division low Voltage
Mobile +49 151 111 048 42
E-Mail andre.festerling@vem-group.com

Jens Muschel
Specialist Division high Voltage
Mobile +49 172 797 3097
E-Mail jens.muschel@vem-group.com

Low voltage department
Phone +49 3943 68 0
E-Mail low-voltage@vem-group.com

High voltage department
Phone +49 351 208 0
E-Mail high-voltage@vem-group.com

Drive Systems
Phone +49 351 208 1154
E-Mail drive-systems@vem-group.com

VEM Service - worldwide 24/7 hotline
Phone +49 351 208 3237
E-Mail service@vem-group.com

www.vem-group.com

(c) 2024 VEM GmbH