



# Corporate Information & Product Selection Guide



Motors for the long run

Authorized Distributor

**REGAL**

Approved  
Partner  
Large Drive (LD)  
Mechanical Drive  
(MD)

**SIEMENS**

**marathon™**



Sole Agent

**marathon**<sup>TM</sup>  
CMG Motors

**REGAL**

## MTT / SLA / HLA SERIES

Three Phase, cast aluminium motors, 2, 4, 6 and pole, 0.09 to 18.5kw, ideal for the OEM market. The SLA series features a multi-mount arrangement incorporating bolt on feet or pad mount configuration.

- Lightweight
- Top mounted terminal box standard (rotatable)
- Ideal for alloy gear boxes
- B3, B5, B14A, multi, pad mounting
- Multi speed available
- SLA is MEPS (2002) compliant (Eff2)



## HK / SGA / MART SERIES

Enhanced performance cast iron three phase squirrel cage motors. Low temperature rise through conservative design. 0.37 to 315kw, frames 71 to 355. 2, 4, 6, 8 and 10 pole. IP55 protection.

- Robust construction
- Generous service factors
- Hazardous location versions: Ex e, Ex n, DIP
- Mining spec versions
- HGA is MEPS (2006) compliant (Eff1)
- Smokespill applications
- Multi speed
- Left hand and top mount terminal box also available
- SGA is MEPS (2002) compliant (Eff2)

## HGA / HJN - CAST IRON MOTORS

- Ie2 industrial heavy duty cast iron motors
- Standard with thermal protection 3xPTCs 150°C
- Power range: 0.75kW~355kW
- IEC sizes 80~355, class F/B, IP55
- Available with RHS or LHS terminal box for sizes 80~315
- Available with "Stromag" brake
- Quality Bearings (SKF, FAG, NTN)



## HPD SERIES

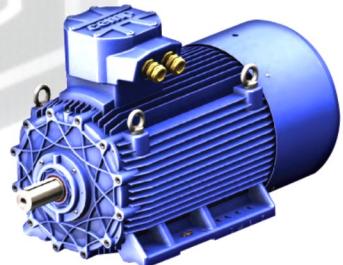
Hazardous location Ex d, zone 1, Group IIA & IIB, T4 temperature class motors. Cast iron, IP66, three phase 0.55 to 90kw. 2, 4, 6 and 8 pole

- Top mounted terminal box
- Class F Insulation
- Low noise
- Meets IEC Standards
- Foot or flange mounting
- Up to 1100 volts
- Complies with AS3947-2

**cemp**<sup>®</sup>

Flame proof  
Motors

- Frame size 355 (IEC)
- Power from 160 to 375kw
- Three phase 1 or 2 Speed
- 400 V, 50Hz
- Pole 2, 4, 6
- IP55 with terminal box IP65
- Multi-voltage power supply: 380-400-420V / 50Hz and 460V / 60Hz
- Class F Insulation
- PTC thermistor



## PPA and PPC SERIES ( MINING MOTORS )

Premium motors. High efficiency, cast iron constructions, IP66, three phase 0.55 to 1000kw. 2, 4, 6 and 8 pole. Australian (PPA) and CENELEC (PPC) kw frame allocations. Complies with MEPS high efficiency standards as per AS / NZS 1359.5-2000

- Class H insulation
- Thru flush grease relief valves
- Low noise
- Epoxy paint
- AS / NZS 1359 (IEC 60034 & 60072) dimensions
- Frames 80 to 450



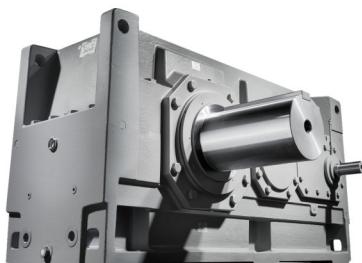
## GEAR UNITS



STANDAR GEARBOX (FZG)



PLANETARY GEARBOX\_00535V



FZG HORIZONTAL GEARBOX



CUSTOMED GEARBOX\_00483V

## GEARED MOTOR



BEVEL HELICAL GEARED MOTORS



PARALLEL SHAFT GEARED MOTORS



HELICAL GEARED MOTORS D-Z

## COUPLING

### RIGID



ZAPEX SERIES

### FLEXIBLE



ELPEX SERIES



RUPEX SERIES

### FLUID



FLUIDEX SERIES



N-EUPEX SERIES

## VERKOL INDUSTRY LUBRICANTS

### CLOSED NGEARBOXES:

- COMPOUND-E
- COMPOUND-MP
- VERCOL GT-7
- CORVYS-EP
- PATELA

### HYDRAULICS AND TRANSMISSIONS:

- VESTA HLP
- VESTA HLP SUPERFILTRADO
- VESTA HV
- GLYNKOL HFC

### SLIDEWAYS:

- GULAS

### GREASES SPECIAL APPLICATIONS:

- ANTARES-2 EP
- ATLANTA
- CADENAS-WT
- COBERTONE
- GVA-MO
- VERKOL ALC
- VERKOLMAX SG
- VERKOLPLEX XP
- PASTA DE COBRE

### HEAT TRANSFER:

- TERMAL 320

### COMPRESSOR:

- NAVAPAR
- NAVASYNT
- NAVA

### CHAIN OILS:

- SYNCOL

### GREASE MULTIPUROSE:

- EPX
- ASTURUS

## LUBRICANT H1 FOOD-GRADE FOR THE FOOD INDUSTRY

### OIL:

- LACERTA FG
- VESTA FG 32, 46, 68
- NAVASYNT FG 46
- COMPOUND FG 220, 320, 460
- VASELINE MEDICINAL

### GREASES:

- VERKOL FOOD FG 2
- VERKOL FOOD COMPLEX
- VERKOL FOOD WR-2
- VERKOL FOOD LT-2
- MERKUR 55



## KOP-FLEX<sup>®</sup>

*Coupling Products Offer Many Customized Application Designs That Are Engineered The Following Specifications:*

- API (American Petroleum Institute) 671 (ISO 10441)
- API 610 (ISO 13409)
- or your own specifications



GRID COUPLINGS



DISC COUPLINGS



DIAPHRAGM COUPLINGS



INDOOR CT & PT



CAST RESIN TRANSFORMER



HERMETICALLY & CONSERVATOR  
DISTRIBUTOR TRANSFORMER

Since 2017 - Transformer - Electro Motor  
Cleaning, Re-Varnish, Bake Oven, Dynamic Balancing, Mechanical, Testing

# Glossary

## Insulation Systems

Important: the combination of all different materials included in this selector guide in regards of compatibility have to be confirmed by VRI personnel.

- A. Conductor: Copper Conductor
- B. Conductor insulation: Direct insulation of copper conductors
- C. Stack consolidation: Materials used to maintain the different conduction assembled
- E. Finishing tapes: Tapes used in areas where main wall tapes could be damaged such as in overhangs or angles
- F. Corona Protection: Electrical conductive and semi conductive tapes to protect against the corona effect
- G. Winding and bracing: Materials for tying applications, specially designed for the VPI impregnation process
- H. VPI Resins: Impregnation medium. The selection of the resin must be adjusted to the tape and the class system used  
See enclosed table
- I. Slot Wedging and Support brackets: Laminates for stator wedging



## OTHER PRODUCTS



**FAG** **NSK** · **RHP** **TIMKEN** **NTN** **Rexroth**  
Bosch Group



Sole Agent

**marathon**  
CMG Motors

**REGAL**



### LVX - LARGE LV MOTORS

- Industrial quality cast iron three-phase motors
- Power range: 132kW ~ 1500kW
- 2p, 4p, 6p, 8p, 10p, 12p
- IEC frame sizes 355~560, class F/B, IP55
- 6x PT100 in winding
- 1x PT100 in each bearing
- anti-condensation heaters

### HCM - HIGH VOLTAGE MOTORS

- "Standard Line" High Voltage motors
- Cast iron range of motors
- Frame size 355- 560
- 2, 4, 6, 8 pole
- 50Hz: 3kV 3.3kV 4.16kV 5kV  
6kV 6.6kV 10kV
- 60Hz: 4kV 4.16kV 6.6kV 13.8kV
- IP55
- 160kW - 1800kW

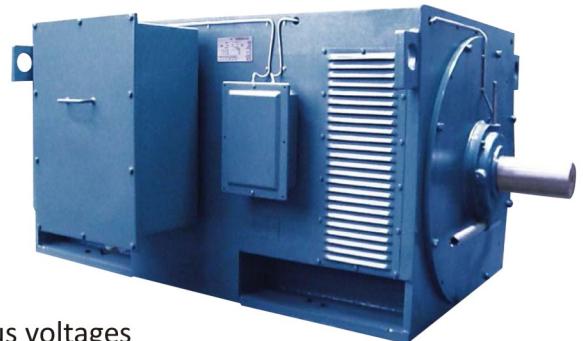


### HAA - HIGH VOLTAGE MOTORS

- "Standard Line" High Voltage motors
- Fabricated steel frame motors
- Frame size 355- 630
- 2, 4, 6, 8, 10, 12 pole
- IP55
- 185kW - 2240kW
- 50Hz: 3kV 3.3kV 4.16kV 5kV 6kV 6.6kV 10kV
- 60Hz: 4kV 4.16kV 6.6kV 13.8kV
- Custom motors can be modified from "Standard Line"
- up to 9,000kW, 1000frame, various voltages

### HDP - HIGH VOLTAGE MOTORS

- "Standard Line" High Voltage motors
- Fabricated steel frame motors
- Frame size 355- 630
- 2, 4, 6, 8, 10, 12 pole
- IP2
- 185kW - 2800kW
- 50Hz: 3kV 3.3kV 4.16kV 5kV 6kV 6.6kV 10kV
- 60Hz: 4kV 4.16kV 6.6kV 13.8kV
- Custom motors can be modified from "Standard Line"
- up to 10,000kW, 1000frame, various voltages



Lloyd's Register



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