

marathon®

marathon®  
Motors

marathon®  
Generators



# THREE PHASE ELECTRIC MOTOR PRODUCT GUIDE

**REGAL**®

# THREE PHASE ELECTRIC MOTORS

## HGM\* SERIES – GENERAL PURPOSE

### SPECIFICATIONS

- Frame Sizes: IEC 80 - IEC 315
- Protection: IP55
- Efficiency: MEPS2 to AS/NZS 1359.5:2004 (IE2 equivalent)
- Insulation Class: F with B Class Rise
- Construction: Cast Iron, TEFC

*\*HGM have right hand side box as standard. Picture shows HGMT option.*



## HGAHM SERIES – HIGH SPECIFICATION

### SPECIFICATIONS

- Frame Sizes: IEC 80 - IEC 200
- Protection: IP66
- Efficiency: MEPS2 to AS/NZS 1359.5:2004 (IE2 equivalent)
- Insulation Class: H with B Class Rise
- Construction: Cast Iron, TEFC



## PPA SERIES – HIGH SPECIFICATION

### SPECIFICATIONS

- Frame Sizes: IEC 80 - IEC 500
- Protection: IP66
- Efficiency: MEPS2 to AS/NZS 1359.5:2004 (IE2 equivalent)
- Insulation Class: H with B Class Rise
- Construction: Cast Iron, TEFC
- Hazardous Certificates: Ex e Zone 1, Ex nA Zone2, Ex t Zone 21, 22



## XPA SERIES – HIGH EFFICIENCY

### SPECIFICATIONS

- Frame Sizes: IEC 132 - IEC 315
- Protection: IP66
- Efficiency: High Efficiency to AS/NZS 1359.5:2004 (IE3 equivalent)
- Insulation Class: H with E Class Rise
- Construction: Cast Iron, TEFC



## HLA SERIES – MULTI-MOUNT

### SPECIFICATIONS

- Frame Sizes: IEC 80 - IEC 160
- Protection: IP55 Stocked (upgradable)
- Efficiency: MEPS2 to AS/NZS 1359.5:2004 (IE2 equivalent)
- Insulation Class: F with B Class rise
- Construction: Aluminium, TEFC



## HGA SERIES – ENHANCED PERFORMANCE

### SPECIFICATIONS

- Frame Sizes: IEC 80 - IEC 315
- Protection: IP55 Stocked (upgradable)
- Efficiency: MEPS2 to AS/NZS 1359.5:2004 (IE2 equivalent)
- Insulation Class: F with B Class temperature rise
- Construction: Cast Iron, TEFC
- Hazardous Certificates: Ex e Zone 1, Ex nA Zone 2, Ex t Zones 21, 22
- Smoke Spill Applications



## XGA SERIES – HIGH EFFICIENCY

### SPECIFICATIONS

- Frame Sizes: IEC 80 - IEC 280
- Protection: IP55
- Efficiency: High Efficiency to AS/NZS 1359.5:2004 (IE3 equivalent)
- Insulation Class: F with B Class Rise
- Construction: Cast Iron, TEFC



## HPD SERIES – FLAMEPROOF V

### SPECIFICATIONS

- Hazardous Certificates: Ex d, Zone 1, Gas Group I & IIB, T4 Surface Temperature as per IEC 600079.1
- Frame Sizes: IEC 80 - IEC 315
- Protection: IP66
- Efficiency: MEPS2 to AS/NZS 1359.5:2004 (IE2 equivalent)
- Insulation Class: F with B Class Rise
- Construction: Cast Iron, TEFC
- VSD compatible with thermistors installed



## MARATHON HCM - HIGH VOLTAGE

### SPECIFICATIONS

- Frame Sizes: IEC 355 - IEC 560
- Protection: IP55
- Supply: 2,300 - 11,000V, 50Hz or 60Hz
- Insulation Class: F with B Class rise
- Construction: Cast Iron, TEFC
- VSD Compatible



## MARATHON HAA - HIGH VOLTAGE

### SPECIFICATIONS

- Frame Sizes: IEC 355 - IEC 1000
- Protection: IP55
- Supply: 2,300 - 11,000V, 50Hz or 60Hz
- Insulation Class: F with B Class rise
- Construction: Steel, CACA (CACW optional)
- Wound rotor motors available in frames IEC 315/355



## MARATHON MAGNAPLUS® GENERATORS

### SPECIFICATIONS

- MagnaPlus®, MagnaMax®, MagnaPower®
- Overspeed Protection
- EMI / RFI Filtering
- Sensing Frequency 50/60 Hertz
- Encapsulated
- Unit Mounted Voltage Adjustment as Standard



## IN-HOUSE MODIFICATIONS

### Our motors can be supplied with;

- Extended Leads
- IP Upgrades
- Thermistors
- Forced Cooling
- Insulated Bearings
- Anti-condensate Heaters
- Encoders
- Earth Brush Kits
- Shaft Modifications
- Rain Hoods
- Tropic Proofing
- And many more...



Regal Australia are proud to offer a one stop shop for complete electro mechanical, power transmission and speed control systems.

Our broad product range covers the complete offering from motors, motor control & drives, gearboxes, brakes and couplings through to winding wire, insulation material, cables and varnishes to name a few.

Please ask your Regal sales representative further information on Regal products.

#### HEAD OFFICE

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#### APPLICATION CONSIDERATIONS

The proper selection and application of motors, motor control and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Regal Beloit Australia Pty Ltd and its affiliates with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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