

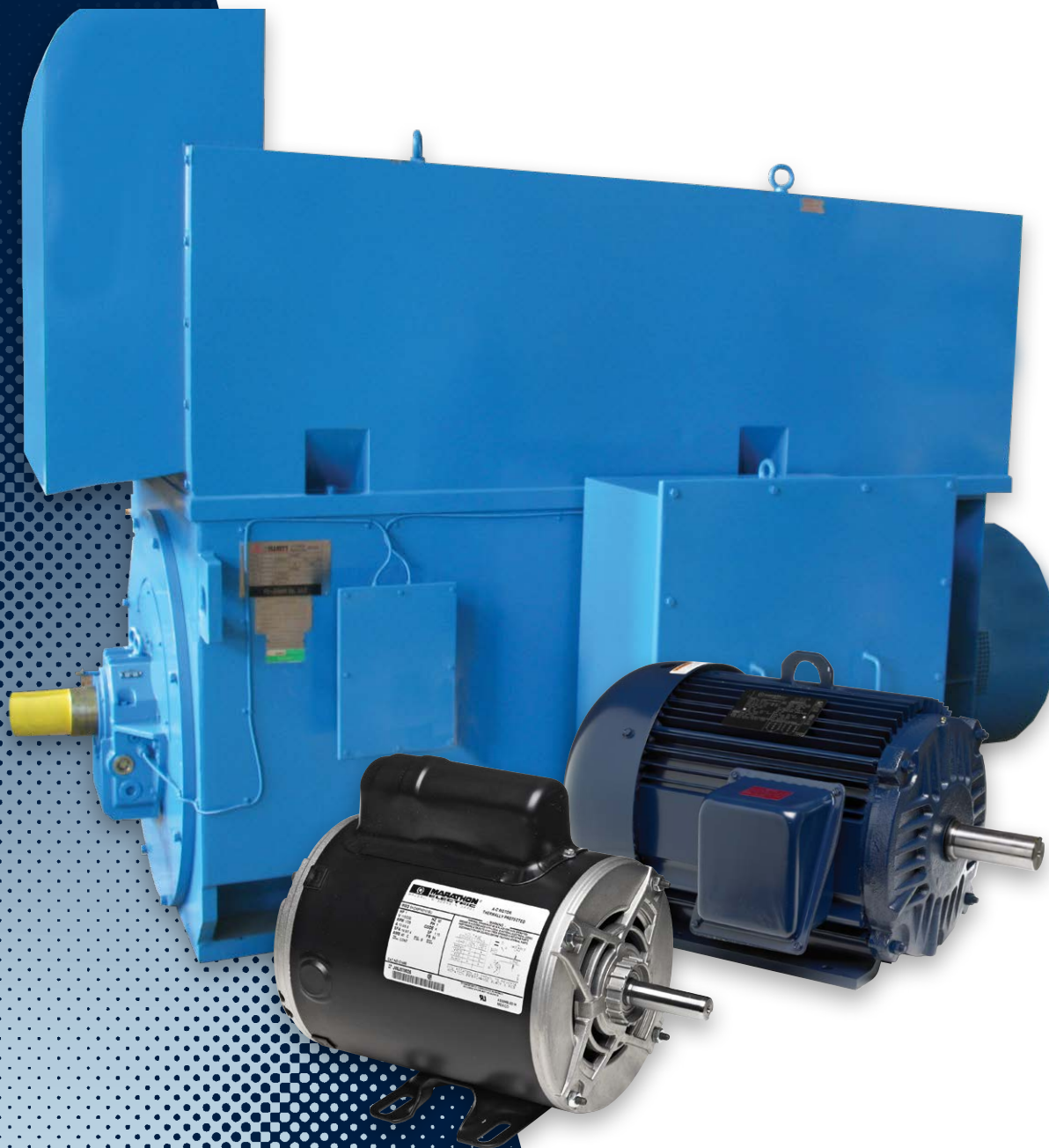


marathon™

Motors

Compressor Motors

SB570



A Regal Brand

REGAL

A COMPREHENSIVE RANGE OF COMPRESSOR MOTORS



FRACTIONAL AND INTEGRAL HP SINGLE PHASE ODP

- Range: 0.5-10HP, 0.4-7.5kW
- Voltage: 60Hz: 115; 115/208-230V; 208-230V
- Pole: 2-, 4-, pole
- Hertz: 50 Hertz available
- Frame: 48, 56, 140, 180, 210 NEMA
- Class F and Class B insulation
- Capacitor start designs
- High efficiency capacitor start / capacitor run designs
- High starting & breakdown torque
- Low amp draw run designs for 115-volt/60Hz operation
- Open and Open Dripproof Enclosures
- Heavy gauge steel frame & base
- Continuous duty at nameplate ratings
- Ball Bearings
- Durable Powder Painted Exterior
- High strength steel shafts
- Long life start switch and centrifugal mechanism
- Die cast aluminum endshields
- Thermal protection (manual reset); Auto-reset available if suited for the application.
- UL Recognized and CSA Certified



FRACTIONAL AND INTEGRAL HP THREE PHASE ODP/TEFC

- Range: 0.75-600HP, 0.5-450kW
- Voltage: 60Hz: 208-230/460V
- Pole: 2-, 4-, pole
- Hertz: 50 Hertz available
- Frame: 140-449 NEMA, 80-355 IEC
- Rolled steel construction available in NEMA 140-280 Frame platform
- Blue Chip® quality, 100% cast iron construction for rigidity and reduced vibration
- Internal and external epoxy paint
- Class F insulation
- 1.15 Service Factor
- Meets NEMA Premium efficiency (EISA compliant) in 140 Frame and Larger
- Shielded Ball Bearings
- Shaft Slinger
- Suitable for 20:1 VT and CT (as noted) on VFD
- Warranty: 2-year
- Severe duty features available
- Thermal protection available
- UL Recognized and CSA Certified



MEDIUM VOLTAGE ODP/WPI/WPII/TEFC

- Range-TEFC: 125-2500HP, 90-1850kW
- Range-ODP: 125-5000HP, 90-3700kW
- Range-WPI & WPII: 125-5000HP, 90-3700kW
- Voltage: 2,300-13,800V
- Pole: 2-, 4-, 6-, pole
- Hertz: 50 or 60 Hertz
- Frame: 449-5013 NEMA, 355-560 IEC
- Protection: IP22 through IP56
- Insulation: Class H&F VPI
- Fabricated Steel or Cast Iron Construction
- Performance: NEMA / IEC
- Bearings: Anti-Friction
- Service Factor: 1.15
- Inverter: Yes
- Warranty: 12/18 mo. & 12/24 mo.

MODIFICATIONS AND ACCESSORIES

MECHANICAL MODIFICATIONS

- Protection IP22-56
- Low temperature, arctic duty
- Special flanges and shafts
- Without terminal box (loose leads, extended)
- Roller bearings or special bearings
- Terminal box on top
- Terminal blocks (low voltage)
- Blower Cooling



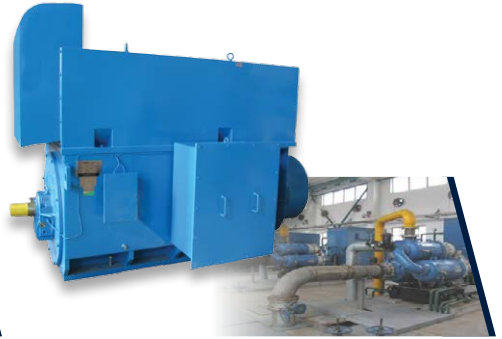
ANEMA
ODP/WP1

- Range: 250-2000HP, 185-1500kW
- Voltage: 2300-4160V
- Pole: 2- pole
- Hertz: 50 or 60 Hertz
- Frame: 5000-5800 NEMA
- Protection: IP23
- Insulation: Class F VPI
- Construction: Fabricated/Cast Iron
- Performance: NEMA
- Bearings: Anti-Friction
- Service Factor: 1.15
- Inverter: Yes
- Warranty: 12/24 mo.
- U.L.
- CSA



ANEMA
WP11

- Range: 250-2000HP, 185-1500kW
- Voltage: 2300-4160V
- Pole: 2- pole
- Hertz: 50 or 60 Hertz
- Frame: 5000-5800 NEMA
- Protection: IPW23
- Insulation: Class F VPI
- Construction: Fabricated/Cast Iron
- Performance: NEMA
- Bearings: Anti-Friction
- Service Factor: 1.15
- Inverter: Yes
- Warranty: 12/24 mo.
- U.L.
- CSA



ANEMA
TEWAC

- Range: 250-2000HP, 225-1500kW
- Voltage: 2300-4160V
- Pole: 2- pole
- Hertz: 50 or 60 Hertz
- Frame: 5000-5800 NEMA
- Protection: IP44
- Insulation: Class F VPI
- Construction: Fabricated/Cast Iron
- Performance: NEMA
- Bearings: Anti-Friction
- Service Factor: 1.15
- Inverter: Yes
- Warranty: 12/24 mo.
- U.L.
- CSA

ELECTRICAL MODIFICATIONS

- Special voltage and frequency
- Special torques and locked rotor amps
- Low temperature rise
- Space heaters
- Stator bimetallic thermal protection (NC, NO), thermistors (PTC), platinum RTD's
- Bearing RTD's



HISTORY OF RELIABILITY

Since 1913, the name Marathon Electric has been associated with highly reliable, low voltage electric motors from 1/12 through 1250 horsepower. Today, that history of conservative motor designs, coupled with the best technology, materials, and manufacturing techniques, ensures premium operation and long service life in our above NEMA motor offering.

The power of quality and innovation are combined in our Blue Chip XRI® Medium Voltage motor family. The Blue Chip XRI® Medium Voltage incorporates advanced design techniques that contribute to such benefits as size and weight reduction, and air flow improvements that keep motor operating temperatures low and efficiencies high. All motors over 1000 volts have form wound stator coils that are vacuum pressure impregnated in 100% solid epoxy resin, and are final coated with an epoxy ester for additional resistance to abrasion and build-up of contaminants. Computer controlled machine tools maintain the tight tolerance needed for precise fits, runouts, and air gaps.

Marathon's Blue Chip XRI® Medium Voltage motors are the right choice for applications demanding ruggedness and high dependability such as metal processing, paper making and mining.

QUALITY CERTIFICATION

Quality System ISO 9001.2008

PRODUCTS CERTIFICATION

Shipping Classification Societies

- Bureau Veritas, Korean Register of Shipping, CLASSNK - Nippon Kaiji Kyokai, Lloyd Register, R.I.Na., Det Norske Veritas, American Bureau of Shipping

Construction Standards

- NEMA

Customer Conveniences

- Available private label nameplates
- Available special paint colors



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REGAL

www.regalbeloit.com