

Blue Chip[®] Marine Duty Motors



Blue Chip XRI[®]
Severe Duty

Seaworthy Performance for the Most Demanding Applications...

Marathon Electric's Blue Chip XRI[®] Marine Duty Motors are designed tough with built-in reliability for years of trouble free service. Totally enclosed severe duty cast iron construction coupled with additional epoxy coatings protect against the harshest environments, thus prolonging life and reducing unnecessary downtime.

Rugged die cast aluminum rotors are precision balanced. This reduces overall system vibrations, thereby increasing equipment longevity. Vibration tests are documented and shipped with each motor as standard.

Our Blue Chip XRI[®] Marine Duty Motors are inverter duty and incorporate our exclusive MAX GUARD[®] insulation system which combines corona resistant magnet wire and a unique "low stress" winding configuration. The Blue Chip XRI[®] Marine Duty Motor offers no lead length restrictions and provides for power matched performance with all manufacturers of AC drives.

The Blue Chip XRI[®] Marine Duty Motors exceed EPA and NRCan efficiency requirements and meet NEMA Premium[®] efficiency levels.

These motors are designed to meet the United States Coast Guard (**USCG CFR46**) requirements as well as **IEEE45** specifications for marine duty motors. Horsepower ranges from 3/4 through 600 horsepower, with stock ratings up to 350 horsepower. In addition, we can provide production motors designed to meet the American Bureau of Shipping (**ABS**) and **IEC 60092** specifications.

ABS has conducted and certified Marathon Electric's motors and generators under the Manufacturer's Quality Assurance Assessment Program. Also, Marathon Electric is recognized by **ABS** as a manufacturer with "Product Type Approval," providing yet another level of assurance and certification when buying our motors and generators.

Standing Watch, Day and Night, Above Deck and Below...

Marathon Electric's Blue Chip XRI[®] Marine Duty Motors incorporate an advanced bearing system that is designed and engineered for continuous, reliable performance and easy maintenance.

Our bearing system incorporates a high temperature based grease, the Exxon POLYREX[®] EM, for dependable operation along with grease inlets for ease of maintenance. The Blue Chip XRI[®] IEEE-841 motors come with Inpro/Seal[®] VBX bearing isolator shaft seals, that prevent entry of contaminants into the bearings.

Typical applications include Capstan drives, cargo winches, Jib cranes, circulating pumps, compressors, fire pumps, and ventilation fans.

Motors for the Long Run!



Marathon Electric Manufacturing Corporation

Quality Marine Duty Motors

Motors That Run the Toughest Applications

Blue Chip XRI® Marine Duty Motor Features from Stock...

- Nameplated **IEEE45** & **USCG** Marine Duty
- **XRI®** Severe Duty meets IP-54 Construction, **XRI® IEEE-841** meets IP-56 Construction
- Inverter Duty with MAX GUARD® Insulation System
- Extended Grease Tubes, Regreasable in Service (IEEE841)
- CSA Certified for Division II Hazardous Locations, Class I, Groups A, B, C, and D, Temperature Code T2B
- Actual Test and Vibration Data Supplied With Each Motor
- Drain and Breather
- Less than 80 dBA Sound Pressure on Most Ratings
- UL Recognized and CSA Certified
- Meets or exceeds NEMA Premium® Efficiency Levels
- Power Matched for Use With All Drive Manufacturers
- **XRI® IEEE-841** motors have Inpro/Seal® VBX Bearing Isolators for Added Protection
- Oversized bearings with bearing caps (254T-449T), L-10 life of 100,000 hours for direct, flexible coupled loads
- Premium POLYREX® EM high-temperature polyurea grease for bearing lubrication
- **XRI® IEEE-841** – meets **API RP 14F** "Offshore Electrical Installations Practices"
- 3 Year Warranty on **Blue Chip XRI®** Severe Duty
- 5 Year Warranty on **Blue Chip XRI® IEEE-841**

Marine Duty Motor Production Capabilities...

- IP-55 – Hose down construction available on Severe Duty motors
- **ABS** – American Bureau of Shipping Certification and/or testing
- **IEC 60092** – Electrical Installations in Ships Part 301
- Full Marine Plan Documentation
- Commercial Marine Brakemotors
- Globetrotter "IEC" Marine Motors

Members of:



Motors for the Long Run!



Marathon Electric Manufacturing Corporation

100 East Randolph St. • P.O. Box 8003 • Wausau, Wisconsin 54402

Call: (715) 675-3311 • Fax: (715) 675-8030 • www.marathonelectric.com

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