WORLD CLASS TEST FACILITIES

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WE PROVIDE IT ALL

Specialty designs, best quality, broadest product line.

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 design, 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 ease and weight reductions, 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 varnish for additional resistance to abrasion and build-up of contaminants. Computer controlled machine tools maintain the tight tolerances 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.

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• Leader in Inverter Duty Motor Technology
• Best Equipped Test Labs in North America
• Low Vibration and Convection Design
• One of the Industry’s Best Warranties
• ISO 9001:2000 Certified

WORLD CLASS
TEST FACILITIES

Vertical Solid Shaft

Crusher Duty

Multi-Speed

Condenser Fan

Auger Drive

Oil Well Pumping

IEEE41-UCG
Marine Duty

Automotive Duty

Brake Motors

Woodworking

Pedestal Fan

Original Face Ventilated

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A COMPREHENSIVE RANGE OF HIGH QUALITY

AC & DC MOTORS

48-445T FRAME

• Built for the OEM and re-manufacturers
• MANY designed-to-last frame designs
• Silicon steel, double insulated windings
• 50% larger rated power than previous designs

48-56 FRAME

• Totally enclosed, Die-Cast & Explosion Proof
• Totally enclosed, Die-Cast & Explosion Proof
• Totally enclosed, Die-Cast & Explosion Proof
• Totally enclosed, Die-Cast & Explosion Proof

48-256T FRAME

• Designed especially for the Generator or in the OEM market
• Totally enclosed, Die-Cast & Explosion Proof
• Totally enclosed, Die-Cast & Explosion Proof
• Totally enclosed, Die-Cast & Explosion Proof

48-215T FRAME

• USDA approved white paint epoxy
• USDA approved white paint epoxy
• USDA approved white paint epoxy
• USDA approved white paint epoxy

56-508 FRAME

• AGRI welded steel frame, vertical & horizontal
• AGRI welded steel frame, vertical & horizontal
• AGRI welded steel frame, vertical & horizontal
• AGRI welded steel frame, vertical & horizontal

54-449T FRAME

• Dripproof & Explosion Proof
• Dripproof & Explosion Proof
• Dripproof & Explosion Proof
• Dripproof & Explosion Proof

GLOBETROTTER

• ODP & TecPac Up to 200HP
• ODP & TecPac Up to 200HP
• ODP & TecPac Up to 200HP
• ODP & TecPac Up to 200HP

NEMA 449 - IEC560

• IEC-560 Medium Voltage
• IEC-560 Medium Voltage
• IEC-560 Medium Voltage
• IEC-560 Medium Voltage

143-449T FRAME

• MEDIUM VOLTAGE
• MEDIUM VOLTAGE
• MEDIUM VOLTAGE
• MEDIUM VOLTAGE

63-225M FRAME

• PUMP &_PRIVACY
• PUMP &_PRIVACY
• PUMP &_PRIVACY
• PUMP &_PRIVACY

56-449T FRAME

• INVERTER & VECTOR DUTY
• INVERTER & VECTOR DUTY
• INVERTER & VECTOR DUTY
• INVERTER & VECTOR DUTY

APPLICATIONS

• Belted & Direct Drive
• Gearmotors
• Saw Mills
• Chemical Plants

• Blowers
• Fans & Blowers
• Conveyors
• Extruders

• Inverters & Drives
• Gearbox
• Packaging
• Natural Gas

• Machine Tools
• Fan & Blower
• Mold Machine
• Machine Tools

• Wire & Cable
• Pump & Motor
• General Purpose
• Machine Tools

• Food Processors
• Food Processors
• Food Processors
• Food Processors

• Refiners
• Refiners
• Refiners
• Refiners

• Mining
• Mining
• Mining
• Mining

• Paper Making
• Paper Making
• Paper Making
• Paper Making

• Extruders
• Extruders
• Extruders
• Extruders
AC & DC MOTORS

A COMPREHENSIVE RANGE OF HIGH QUALITY

48-44T FRAME

• High and low shrinkage mica
• Formed by Teflon® shrinkage
• Non-conductive
• UL Listed

48-56 FRAME

• 55 & 350 HP
• 3 phase
• 380-480 V
• 60 Hz

48-256T FRAME

56-508 FRAME

56-508 FRAME AGRICULTURAL

• USDA-approved white paint
• Cast-cold-bonded
• Vertical exhaust fan
• 1/3 through 10 HP
• 3 phase
• 1725 r/min

56-21ST FRAME

56-508 FRAME EXPLOSION PROOF

• ODF and TEFC up to 250 HP
• 100% cast iron construction
• 10:1 CT and 10:1 VT on TEFC
• 1:15 service factor
• 1 year warranty
• UL Recognized, CSA Certified

GLOBETROTTER IEC S-TEFC AND TEIP

• 100% cast iron construction
• 10:1 CT and 10:1 VT on TEIP
• 1:15 service factor
• 1 year warranty
• UL Recognized, CSA Certified

143-449T FRAME XEP SEVERE DUTY

NEMA 449: IEC560 MEDIUM VOLTAGE

• 100 through 2500 HP
• Blue Chip® Motor Duty features
• 100% cast iron construction
• 1000:1 constant torque over RPM range
• 100:1 constant torque over RPM range
• 100% cast iron

56-449T FRAME IEC GLOBETROTTER®

• 100 through 2500 HP
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• 1000:1 constant torque over RPM range
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SAXMA® INDUSTRIAL PERMANENT MAGNET AC MOTOR

• Ultra Efficient® 88 or higher
• Medium Voltage 380-480 V
• 3 phase
• 380-480 V
• 60 Hz

56-449T FRAME INVERTER & VECTOR DUTY

• IEC61800-3, 1500:1 constant torque in
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APPLICATIONS

• Belts & Drive Drives
• Gearboxes & Gearmotors
• Conveyor Chains
• Turbines and Generators
• Air Conditioning
• Transformer Fans
• Blower Units
• ATEX Fans
• Gear Reducers
• Pumps
• Compressor pumps
• Pumps and Blowers
• Machine Tools
• Compressors
• Centrifugal Pumps
• Sump Pumps
• Water Pumps
• Inlet Suction Pumps
• Propeller Pumps
• Condensers
• Coolers
• Compressors
• HVAC
• Refrigeration
• Food Processing
• Paper Making
• Metal Processing
• Extrusion
• Sheet Metal Applications
• Extruders
• Natural Gas
• Turbines
• Compressors
• Metalworking
• Machine Tools
• Conveyor Chains
• Cores and Shafts
• Tooling
• Fabricated Parts

A comprehensible range of high quality AC & DC MOTORS.
A COMPREHENSIVE RANGE OF HIGH QUALITY
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48-445T FRAME

• Built for the OEM and
• High-replacement market
• Many designed
• Fans for a wide variety of applications
• Patented Ventage® Ductless Fan
• Easy voltage selection
• Ductless fans available
• Multi-shaft and
• Totally enclosed construction

48-54 FRAME

• Totally enclosed, Drop-proof & explosion proof
• Rich base, C-face with compact fan and
• High-quality copper wire

48-256T FRAME

• Designed especially for the Skimmer or the OEM
• Got high-starting voltage demand. Three phase 48-256T frame, three units 48-256T frame, two units 48-256T frame, and one unit 48-256T frame.

56-215T FRAME

• USDA approved white paint
• Cast iron box
• Single unit or multiple units

56-508 FRAME

• USDA-approved white paint
• Single phase or three phase

GA-497T FRAME EXPLOSION PROOF

• Ingress protection grade IP65
• High-quality materials

GLOBOTTER® CBT AND CDF

• IP45 and IP54 to meet the standards
• Class F insulation

NEMA 449-IEC560 MEDIUM VOLTAGE

• 1000 through 2500 HP
• Blue Chip, MWB Series Duty features

SYMA® INDUSTRIAL PERMANENT MAGNET AC MOTOR

• High-efficiency motors
• High-quality materials

APPLICATIONS

• Building & Direct Drive Fans
• Showroom Fans
• Case Fan
• Bag Blower
• Delta Fans

• Centrifugal Fans
• Hydraulic Fans
• Suction Pumps

• Pumps
• Gear Reducers
• Compressors

• Refrigeration
• Food Processing
• Slaughter Houses
• Food Processing

• Inflator Pumps
• Fuel Handling
• Surgical Pumps

• Pumps
• Gear Reducers
• Compressors

• Mining
• Paper Making
• Metal Working

• Extruders
• Conveyor
• Paper Making

• Machinists
• Electrical Conveyors

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