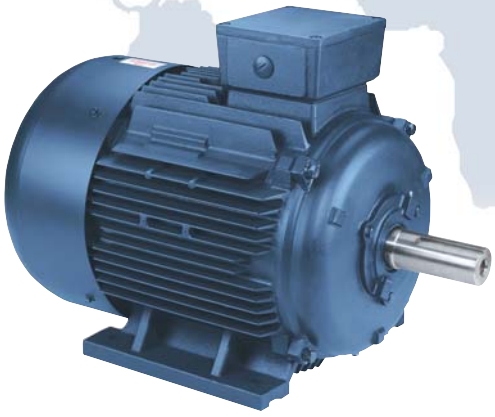
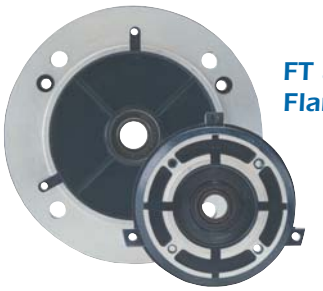
Globetrotter®

IEC AC Motors



Globetrotter® IEC
Cast Iron Frame

Globetrotter® IEC
Aluminum Frame



FT and FF
Flange Kits

Globetrotter® Conduit Box
and Terminal Block

Global IEC Motors...

Marathon Electric's **Globetrotter®** *IEC motor meets IEC Design N and NEMA Design B torque characteristics. Additional features include dual voltages and frequencies to meet most international standards without having to re-rate the motor, saving time and money. Two frame constructions are available; aluminum construction from 63 through 90 Frame with a rolled steel fan cover and cast iron construction from 100 through 315 Frame with a rolled steel fan cover. A cast iron fan guard kit is available for severe duty applications. Designed to meet IP55 enclosure requirements makes the* **Globetrotter®** *suitable for washdown.*

Our **Globetrotter®** *IEC motor is designed from the ground up to meet or exceed all major international standards including NEMA. The cast iron* **Globetrotter®** *motor incorporates advanced features such as an inverter duty insulation system and encoder provisions for both open and closed loop drive systems.*

The **Globetrotter®** *meets or exceeds IEC 34 and 72 electrical and mechanical standards along with meeting EFF2 European, EPAct, and NRCan Canadian efficiencies. Additionally, the* **Globetrotter®** *meets IEEE45, IEC 60092, and USCG Standards for marine duty motors and complies with the Conformite Europeene (CE).*

Versatility and Flexibility Designed-In To Meet The Most Demanding Applications...

The **Globetrotter®** *is the most versatile of IEC motors on the market today. Stocked with B3 mounting, but easily interchangeable to B3/B5 or B3/B14 with available flange kits. These motors can be suitable for horizontal or vertical shaft-down applications. The removable base on 63 through 90 Frames offers more flexibility in mounting.*

The top mounted conduit box is rotatable in 90 degree increments with volume requirements meeting the National Electrical Codes (NEC). A stud type terminal block is included as standard. The metric threaded conduit box allows for easy retrofitting into existing applications as well as meeting the needs of the original equipment manufacturer (OEM) that exports.

Wiring connections are marked with both IEC and NEMA Standards and Frames 132 and above allow for Wye/Delta connection.

MARATHON® ELECTRIC

Marathon Electric Manufacturing Corporation

Motors for the Long Run!

Quality IEC AC Motors

Motors That Run the Toughest Applications

Globetrotter IEC AC Motor Features from Stock...

- *Nameplated 60/50 hertz at same HP/kW*
- *IP55 weatherproof construction for the toughest environments*
- *Meets EFF2 European, EPAct, and NRCan Canadian efficiencies*
- *Power matched for use with all AC drive manufacturers*
- *Wye Start-Delta Run on 132 frames and larger*
- *Class B rise @ nameplate kW*
- *1.15 Service Factor on 60 hertz*
- *Design "N" with NEMA "B" torque*
- *Designed to meet IEC 34 and 72 Electrical and Mechanical Standards*
- *0.25 HP/0.18 kW through 50 HP/37 kW stock motors with product availability through 400 HP/300 kW*
- *Kits for B3/B5 and B3/B14 mounting*
- *Aluminum Frames 63 through 90 and Cast Iron Frames 100 through 315*
- *Rolled Steel Fan Guard (Cast Iron Fan Guard kit available)*
- *Cast Aluminum Conduit Box on Frames 63 through 90 and Cast Iron on Frames 100 through 315. Top mounted with 90 degree rotation. Sized per NEC Standards.*
- *Stud-type Terminal Blocks*
- *Leads Marked With IEC and NEMA Designations*
- *Shaft Seals*
- *CE Approved*
- *Meets IEEE45, IEC 60092, and USCG for Marine Duty*
- *12/24 Month Warranty*

Globetrotter® IEC MOTORS

Globetrotter IEC AC Motor Performance...

Specifications	NEMA Design B	IEC Design N	Globetrotter® Design	Benefit of Globetrotter® Design
Breakdown Torque	175 to 300%	160 to 200%	175 to 300%	Higher Breakdown Torque
Lock Rotor Torque	70 to 275%	75 to 190%	75 to 275%	Higher Lock Rotor Torque
Pull Up Torque	65 to 190%	Not Defined	65 to 190%	
Slip Lock Rotor Current	.5 to 5% 600 to 800% of FLA range per MG2	.5 to 3% 800 to 1000% of FLA	.5 to 3% 600 to 800% of FLA	Lower Inrush Current
Voltage Tolerances	+/- 10%	+/- 5%	+/- 10%	Wider voltage tolerance and still meets load requirements
Frequency Tolerances	+/- 5%	+/- 3%	+/- 5%	Wider frequency tolerance and still meets load requirements
Service Factor	1.0 or 1.15	Not Defined	1.15 on 60 Hz	Meets Nameplate kW on 50 Hz

Motors for the Long Run!

For more information contact :

MARATHON® ELECTRIC

Marathon Electric Manufacturing Corporation
A Subsidiary of REGAL-BELOIT CORPORATION
100 East Randolph St. • P.O. Box 8003 • Wausau, WI 54402
Phone: (715) 675-3311 ▪ Fax: (715) 675-8030
Website: www.marathonelectric.com

SB537-3157M/JKL/8-02/10000/TP

ELECTRICAL APPARATUS SERVICE ASSOCIATION EASA

NEMA Member

Power Transmission Distributors Association