

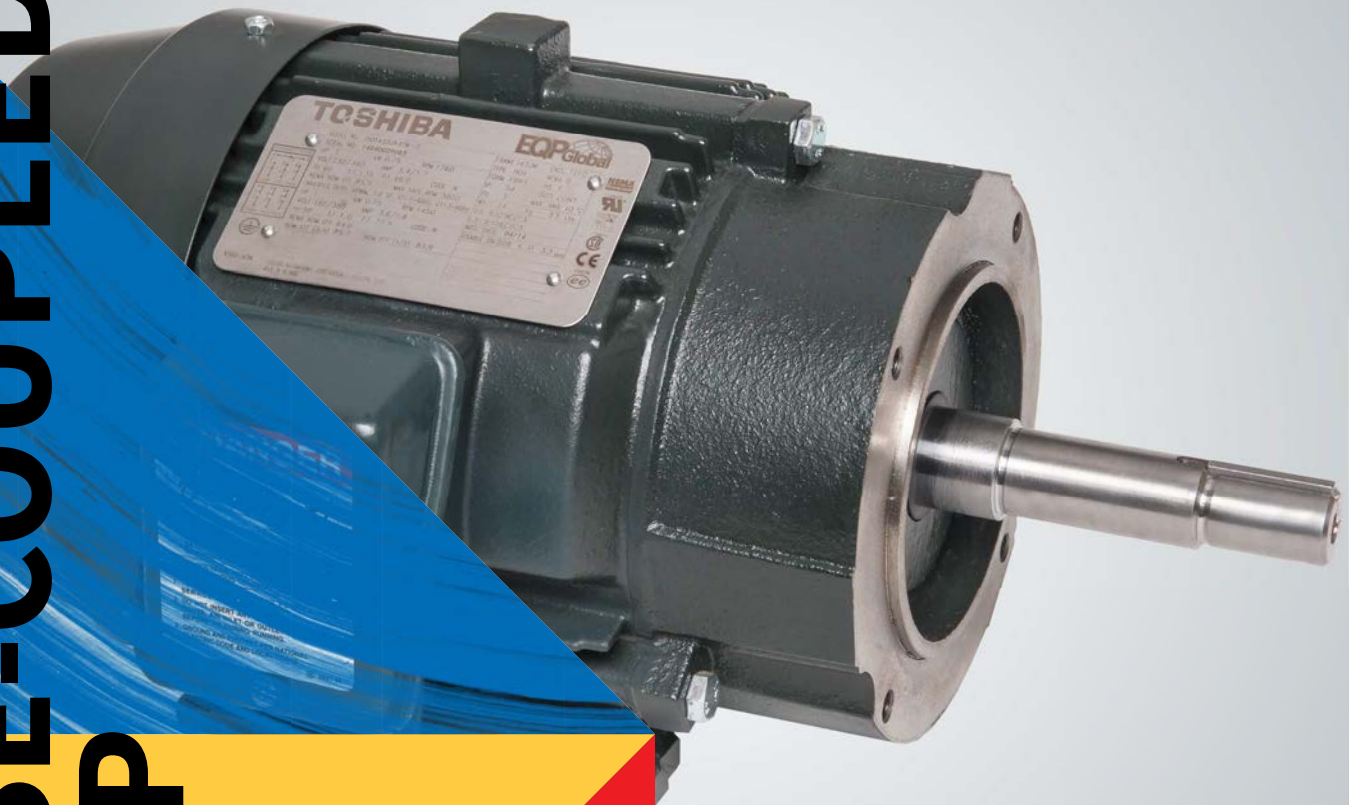
TOSHIBA

TOSHIBA INTERNATIONAL CORPORATION

LOW VOLTAGE MOTORS

EQP Global[®] CCP

**CLOSE-COUPLED
PUMP**



MEET FLUID HANDLING NEEDS WITH CONFIDENCE

The EQP Global® Close-Coupled Pump Motor is designed for close-coupled pumping applications. Building on over 20 years of success with our EQP Global motor series, the EQP Global Close-Coupled Pump motor features multiple new design enhancements that make it one of the lowest cost-of-ownership products in the industry.



EQP Global
CCP



Application Specific Design

Offers horizontal or vertical mounting provisions, ingress protection, and corrosion resistant paint system for protection in severe duty environments.

Ingress Protection

A totally enclosed fan cooled design combined with a v-ring or shaft slinger seals provide an IP55 protection, helping prevent against humidity, dust, dirt, and other contaminants present in the environment.

Low Vibration

A vibration level of 0.10 inches/second, which exceeds NEMA MG1 requirements, provides stability and durability by prolonging motor life and reducing downtime.

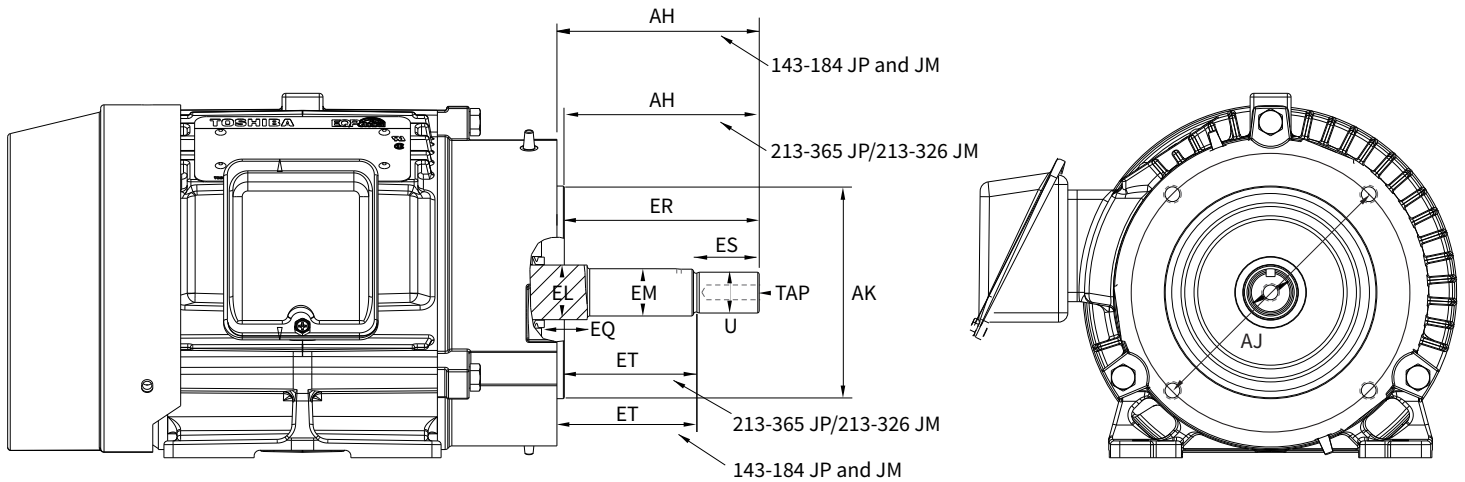
Inverter Duty Rated

Designed for use with an adjustable speed drive that can lead to energy savings when run at optimum fan speed. The insulation system meets NEMA MG1 Part 31. Providing speed ranges of up to 60:1 Variable Torque, 10:1 Constant Torque in Class I Division 2 environment.

Dual-Frequency Rated

50/60 Hz design allows the motor to be a drop-in replacement anywhere in the world. Standard dual rating label plate mounted on motor.

JM & JP CCP MOUNTING DIMENSIONS



NEMA Frame	AH	EL	EM	EQ	ES	ET	U	AJ	AK	TAP
143-145JM	4.28	1.16	1.00	0.64	1.65	2.89	0.87	5.88	4.50	3/8-16
182-184JM	4.28	1.25	1.00	0.64	1.65	2.89	0.87	5.88	4.50	3/8-16
213-215JM	4.25	1.25	1.00	0.64	1.65	2.88	0.87	7.25	8.50	3/8-16
254-256JM	5.28	1.75	1.38	0.65	2.53	3.02	1.25	7.25	8.50	1/2-13
284-286JM	5.28	1.75	1.38	0.65	2.53	3.02	1.25	11.00	12.50	1/2-13
324-326JM	5.28	1.75	1.38	0.61	2.53	3.02	1.25	11.00	12.50	1/2-13
143-145JP	7.34	1.16	1.00	1.58	1.65	5.95	0.87	5.88	4.50	3/8-16
182-184JP	7.34	1.25	1.00	1.58	1.65	5.95	0.87	5.88	4.50	3/8-16
213-215JP	8.16	1.75	1.00	2.39	1.65	5.89	1.25	7.25	8.50	1/2-13
254-256JP	8.16	1.75	1.38	2.39	2.53	5.89	1.25	7.25	8.50	1/2-13
284-286JP	8.16	1.75	1.38	2.39	2.53	5.90	1.25	11.00	12.50	1/2-13
324-326JP	8.16	1.75	1.38	2.40	2.53	5.90	1.25	11.00	12.50	1/2-13
364-365JP	8.16	2.13	1.75	2.40	2.53	5.90	1.62	11.00	12.50	1/2-13

*Dimensions in inches and for reference only. Contact Toshiba for specific product dimensions.

INDUSTRIES SERVED

- Agriculture
- Petroleum Chemical
- Food & Beverage
- Power Generation
- Pharmaceutical
- Mining

APPLICATIONS

- Centrifugal Pump

3 THREE YEAR
WARRANTY



GENERAL	
Horsepower	1 to 75 HP
Speed (60 Hz)	3600, 1800 or 1200 RPM
(50 Hz)	3000, 1500 or 1000 RPM
Voltage (60 Hz)	230/460 or 575 V
(50 Hz)	190/380 V
Service Factor	1.15 SF on 60Hz; 1.0 SF on 50 Hz
Enclosure	Totally Enclosed Fan Cooled
Frame Size	143JM/JP through 326JM/365JP
Ingress Protection	IP55
Insulation	Class F Inverter Duty, Exceeds NEMA MG1 Part 31
Vibration	Typically 0.10 Inches/Second or Less (Unfiltered)
Environment	Severe Duty, Suitable for Use in Class I Division 2 Hazardous Locations
Efficiency	NEMA Premium®
Hardware	Zinc Dichromate Plated
CONSTRUCTION	
Frame	Cast Iron
Paint	Severe Duty, Corrosion Resistant Resin Primer Paint, with an Acrylic Enamel Finish (RAL 6012); Surpasses 96 Hour Salt Spray Test
Shaft Seals	Shaft V-Ring or Shaft Slinger Protection System
Lifting	Forged Shouldered Eyebolt
Mounting	Double Drilled Feet for Multi-Mount Capabilities
Drains	Multiple Drain Provisions for Horizontal & Vertical Mounting in Frame & Bearing Brackets
Nameplate	Stainless Steel with Connection Diagram
BEARINGS	
Type	Oversized 300 Bearing Series
Life	150,000 Hours Direct Coupled; 40,000 Hours Belted
CONDUIT BOX	
Material	Cast Iron with Threaded NPT Opening
Mounting	Rotatable 90° Increments
Grounding	Grounding Provision
Gasket	Neoprene between Conduit Box and Frame with Permanent Marking for Lead Orientation
INSULATION SYSTEM	
Temperature Rise	Class B Rise (90°C) @ 1.15 SF
Material	Low-Loss Electrical Steel; Phase Paper & Coil Bracing on DE & ODE; Magnet Wire High Voltage Withstand Capability of 2000 V in 0.1 μs. Meets NEMA MG1 Part 31
Class	Class F with Class H Wire and Varnish
Leads	Permanently Identified Leads with Single Ring Compression Type Lead Lugs (284 Frame & Larger)

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Toshiba International Corporation
Motors & Drives Division
13131 West Little York Road
Houston, Texas 77041 USA
Tel +713-466-0277
US 1-800-231-1412
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TOSHIBA MOTORS & DRIVES DIVISION
Adjustable Speed Drives • Motors • Motor Controls



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