

TOSHIBA

Leading Innovation >>>



PRODUCT OFFERING











MOTORS



LOW VOLTAGE MOTORS

GENERAL PURPOSE

									
	Open Drip Proof	Open Drip Proof EPACT	Open Drip Proof EQPIII®	Totally Enclosed Fan Cooled	Totally Enclosed Fan Cooled EPACT	EQPIII®	EQPIII® 840	EQPIII® 841	Explosion Proof
EFFICIENCY	HIGH	EPACT	PREMIUM	HIGH	EPACT	PREMIUM	PREMIUM	PREMIUM	PREMIUM
ENCLOSURE	ODP	ODP	ODP	TEFC	TEFC	TEFC	TEFC	TEFC	TEXP
Horsepower	400 to 800 HP	250 to 500 HP	3/4 to 700 HP	1/2 to 800 HP	1 to 500 HP	1/2 to 400 HP	3/4 to 400 HP	3/4 to 200 HP	3/4 to 200 HP
Speed (60 Hz)	3600, 1800, or 1200 RPM	3600, 1800, or 1200 RPM	3600, 1800, 1200, or 900 RPM	3600, 1800, 1200, or 900 RPM	3600, 1800, 1200, or 900 RPM	3600, 1800, 1200, or 900 RPM	3600, 1800, 1200, or 900 RPM	3600, 1800, 1200, or 900 RPM	3600, 1800, 1200, or 900 RPM
Voltage (60 Hz)	460 or 575 V	230/460, 460, or 575 V	230/460, 460, or 575 V	230/460, 460, or 575 V	230/460, 460, or 575 V	230/460, 460, or 575 V	460 or 575 V	460 or 575 V	230/460 or 575 V
Frame Size	449TS through 5810U	445TS through 509U	143T through 509U	56 through 5811U	143T through 5810U	143T through 5810U	143T through 5810U	143T through N449T	143T through N449T
Protection	IP22	IP22	IP22	IP54	IP54	IP54	IP54 or IP56	IP56	IP55
Construction	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Insulation	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)
Vibration (Unfiltered)	Typically 0.10 IPS or Less	Typically 0.10 IPS or Less	Typically 0.08 IPS or Less; 0.12 IPS or Less Non-NAFTA	Typically 0.10 IPS or Less	Typically 0.10 IPS or Less	Typically 0.08 IPS or Less	Typically 0.06 IPS or Less	Typically 0.04 IPS or Less	Typically 0.04 IPS or Less
Area Classification	N/A	N/A	N/A	N/A	N/A	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave
Warranty (From Date of Manufacture)	24 Months	24 Months	36 Months	24 Months	24 Months	36 Months	36 Months	60 Months	36 Months

DEFINITE PURPOSE										
Division of Application										
Application	EQP Global® SD	EQP Global® 840	EQP Global® 841	Oil Well Pump	Dry Kiln	Brake	Design C	Quarry Duty	Vector Ready	TEFC
Power Rating	PREMIUM	PREMIUM	PREMIUM	HIGH	HIGH	PREMIUM	EPACT	HIGH	PREMIUM	PREMIUM
Efficiency	TEFC	TEFC	TEFC	ODP	ODP	TEFC	TEFC	TEFC	TEFC, TENV, TEBC	TEFC, TENV, TEBC
Power Range	1/2 to 30 HP	3/4 to 700 HP	3/4 to 500 HP	3/4 to 300 HP	5 to 100 HP	3 to 25 HP	1/2 to 30 HP	1 to 200 HP	125 to 600 HP	1 to 350 HP
Speed	1800, or 900 RPM	3600, 1800, or 1200 RPM; 3000, 1500, or 1000 RPM (50 Hz)	3600, 1800, or 1200 RPM; 3000, 1500, or 1000 RPM (50 Hz)	3600, 1800, or 1200 RPM	1200 RPM	1800, 1200, or 900 RPM	1800, 1200, or 900 RPM	1800 or 1200 RPM	1800, 1200, or 900 RPM	1800 or 1200 RPM
Voltage	230/460, 460 V	230/460, 460, or 575 V; 190/380 or 380 V (50 Hz)	460 or 575 V; 380 V (50 Hz)	460 or 575 V	230/460/796 V	460 V (575 V Available Upon Request)	230/460, 460, or 575 V	230/460, 460, or 575 V	460 or 575 V	460 V (575 V Available Upon Request)
Frame	143T through 5810U	143T through 5810U	143T through 5810U	143T through N449T	215T through 444T	184T through 365T	143T through 286T	143T through 449T	505U through 5810U	143T through N449T
Protection	IP54	IP54 or IP56	IP56	IP22	IP22	IP23 or 1P54	IP44 or IP54	IP54	IP54	IP54
Material	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Insulation	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class H, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 (Inverter Duty)	Class F, Exceeds NEMA MG1 Part 31 Definite Purpose (Inverter Duty)
Life Expectancy	Typically 0.08 IPS or Less	Typically 0.08 IPS or Less	Typically 0.06 IPS or Less	Typically 0.04 IPS or Less	Typically 0.12 IPS or Less	Typically 0.10 IPS or Less	Typically 0.10 IPS or Less	Typically 0.10 IPS or Less	Typically 0.10 IPS or Less	Typically 0.10 IPS or Less
Temperature	Division 1, Class I, Groups A to D, T3 (200°C), Sine Wave	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave	Division 2, Class I, Groups A to D, T3 (200°C), Sine Wave	N/A	N/A	N/A	N/A	N/A	N/A
Warranty	36 Months	36 Months	36 Months	60 Months	24 Months	12 or 18 Months	36 Months	24 Months	24 Months	36 Months

ONE CALL. ONE SOLUTION.

Toshiba International Corporation is proud to be a single-source solution for our customers, offering a complete product lineup of electric motors, adjustable speed drives, and motor starters for a variety of applications. Many of these products are manufactured at our one million square foot manufacturing facility located in Houston, Texas. Our Houston facility has extensive knowledge and experience, offering the following services in-house:

- Research & Development
- Design & Engineering
- Manufacturing
- Sales & Marketing
- Applications Support
- Field Service
- Customer Service & Project Management
- Logistics & Warehousing
- Product Application & Field Service Training

> ONE STOP FOR ALL YOUR MOTOR NEEDS

Toshiba is a leading manufacturer of low voltage motors from ½ to 800 HP and 230 to 575 V and medium voltage motors from 100 to 50,000 HP and 2,300 to 13,800 V. Our extensive motor product offering and large installed base in the numerous industries demonstrates our customers' confidence in choosing Toshiba motors. Since many of our products are manufactured under one roof, we can offer customized solutions to meet your application needs. We also have the capability to test our products together, as a complete system, before it goes out into the field—ensuring the highest level of quality, performance, and reliability.

> APPLICATIONS



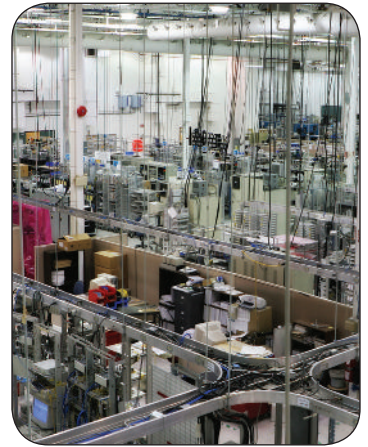
Oil & Gas



Mining & Minerals



Aggregate



Assembly



Food & Beverage



Utilities



Textiles



Agribusiness

TOSHIBA MOTORS & DRIVES DIVISION

- Motors
- Adjustable Speed Drives
- Motor Controls



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