TOSHIBA

MOTORS

# Product Offering


LOW & MEDIUM VOLTAGE

# SMART, STRONG DESIGNS WITH PROVEN PERFORMANCE

**Toshiba International Corporation (TIC) is proud to be a single-source provider of electric motors, adjustable speed drives, motor control systems, and industrial automation. Known for our quality, performance, and reliability, Toshiba solutions are a preferred choice in demanding applications. With the knowledge and experience to optimize operations and develop a preventive maintenance plan, Toshiba can help reduce maintenance costs and increase uptime. Our in-house capabilities include:**

- **Research & Development**
- **Engineering**
- **Manufacturing**
- **Technical Sales**
- **Product & Application Support**
- **Customer Service**
- **Project Management**
- **Field Services & Preventive Maintenance**
- **Product & Field Service Training**

## CUSTOMIZABLE SOLUTIONS FOR MOTOR APPLICATIONS

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. Known for their quality, performance, and reliability, Toshiba motors are a preferred choice in the most demanding applications. With decades of experience, our US-based support team is a knowledgeable partner in providing customer-centric solutions. The large installed base across diverse industries demonstrates customers' confidence in Toshiba motors and service.

### INDUSTRIES SERVED

- Agribusiness
- Cement & Aggregate
- Chemical
- Data Centers
- Food, Beverage & Pharmaceutical
- HVAC
- Metal Working & Processing
- Mining & Minerals
- Oil & Gas
- Power Generation
- Pulp & Paper
- Water & Wastewater

# LOW VOLTAGE MOTORS





| | EQP Global® SD | EQP Global® SD C-Face | EQP Global® Top Mount | EQP Global® 840 | EQP Global® 841 |
|---|---|---|---|---|---|
| Efficiency | NEMA Premium® Efficiency | NEMA Premium® Efficiency | NEMA Premium® Efficiency | NEMA Premium® Efficiency | NEMA Premium® Efficiency |
| Enclosure | TEFC | TEFC | TEFC | TEFC | TEFC |
| Horsepower | 0.5 to 800 HP | 0.5 to 75 HP | 1 to 200 HP | 0.75 to 500 HP | 0.75 to 400 HP |
| Speed | (60 Hz): 3600, 1800, 1200 or 900 RPM<br>(50 Hz): 3000, 1500, 1000 or 750 RPM | (60 Hz): 3600, 1800 or 1200 RPM<br>(50 Hz): 3000, 1500 or 1000 RPM | (60 Hz): 3600, 1800 or 1200 RPM<br>(50 Hz): 3000, 1500 or 1000 RPM | (60 Hz): 3600, 1800, 1200 or 900 RPM<br>(50 Hz): 3000, 1500, 1000 or 750 RPM | (60 Hz): 3600, 1800, 1200 or 900 RPM |
| Voltage | (60 Hz): 230/460, 460 or 575 V<br>(50 Hz): 190/380 or 380 V, 56 - S447T | (60 Hz): 230/460 or 575 V<br>(50 Hz): 190/380 V | (60 Hz): 230/460 or 575 V (50 Hz): 190/380 V | (60 Hz): 460 or 575 V<br>(50 Hz): 380 V, 143T - S447T | (60 Hz): 460 or 575 V |
| Frame Size | 56 - 5811US | 56C - 365TC | 143T - S447T | 143T - 5810UZ | 143T - B449T |
| Protection | IP55 (Up to S447) & IP54 (S/B449 & Above) | IP55 | IP55 | IP55 (Up to 280 Frame) & IP56 (320 Frame & Above) | IP56 |
| Frame Construction | Cast Iron | Cast Iron | Cast Iron | Cast Iron | Cast Iron |
| Insulation | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 |
| Vibration (Unfiltered) | 0.10 Inches/Second or Less | 0.10 Inches/Second or Less | 0.10 Inches/Second or Less | 0.08 Inches/Second or Less | 0.08 Inches/Second or Less |
| Features | • Suitable for Severe Duty Applications<br>• Dual Frequency 50/60 Hz Design<br>• C-Flange Footed & Footless Available<br>• Shaft V-Ring Protection System<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Suitable for Horizontal & Vertical Mounting<br>• 4142 High Strength Shaft Steel on S444 Frames & Above | • Suitable for Severe Duty Applications<br>• Dual Frequency 50/60 Hz Design<br>• Footed & Footless Available<br>• Shaft V-Ring Protection System<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Suitable for Horizontal & Vertical Mounting | • Dual Frequency 50/60 Hz Design<br>• Shaft V-Ring Protection System<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Suitable for Horizontal & Vertical Mounting<br>• 4142 High Strength Shaft Steel on S444 Frames & Above | • Mill & Chemical Duty<br>• Dual Frequency 50/ 60 Hz Design<br>• C-Flange Footed & Footless Available<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Suitable for Horizontal & Vertical Mounting<br>• Umbrella Seal plus Forsheda® Seal System on DE & ODE (324T-365T)<br>• 4142 High Strength Shaft Steel on S444 Frames & Above<br>• Labyrinth Seal on S444 Frames & Above | • IEEE® 841 Petrochemical Duty<br>• C-Face Footed & C-Face Footless Designs Available<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Suitable for Horizontal & Vertical Mounting<br>• Labyrinth Seal on All Frames (DE & ODE)<br>• 4142 High Strength Shaft Steel on S444 Frames & Above |
| Area Classification | Class I Division 2 Groups A, B, C, D | Class I Division 2 Groups A, B, C, D | Class I Division 2 Groups A, B, C, D | Class I Division 2 Groups A, B, C, D | Class I Division 2 Groups A, B, C, D |

TOSHIBA

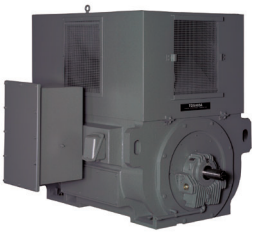
# LOW VOLTAGE MOTORS

| | EQP Global® Explosion Proof | EQP Global® IEC | EQP Global® Closed-Coupled Pump | EQP Global® Critical Cooling |
|---|---|---|---|---|
| Efficiency | NEMA Premium® Efficiency | IE3 | NEMA Premium® Efficiency | NEMA Premium® Efficiency |
| Enclosure | TEXP | TEFC | TEFC | TEAO |
| Horsepower | 1 to 350 HP | 0.75 to 45 kW | 1 to 75 HP | 1 to 20 HP |
| Speed | (60 Hz): 3600, 1800, 1200 or 900 RPM | (60 Hz): 3600, 1800 or 1200 RPM<br>(50 Hz): 3000, 1500 or 1000 RPM | (60 Hz): 3600, 1800 or 1200 RPM<br>(50 Hz): 3000, 1500 or 1000 RPM | (60 Hz): 3600 or 1800 RPM |
| Voltage | (60 Hz): 230/460, 460 or 575 V | (60 Hz): 460 V<br>(50 Hz): 230/400, 240/415, 220/380, 400, 415 or 380 V | (60 Hz): 230/460 or 575 V<br>(50 Hz): 190/380 V | (60 Hz): 230/460 or 575 V |
| Frame Size | 143T - N449T | 80M - 225S | 143JM/JP - 326JM & 365JP | 143T - 256T |
| Protection | IP56 | IP55 | IP55 | IP55 |
| Frame Construction | Cast Iron | Aluminum Fin Type (90 - 160)<br>Cast Iron (80, 180 - 225) | Cast Iron | Cast Iron |
| Insulation | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F, Exceeds IEC 60034-25 (Inverter Duty) | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 |
| Vibration (Unfiltered) | 0.08 Inches/Second or Less | Max. Vibration Magnitude in Velocity (RMS) is 2.8 mm/sec. | 0.10 Inches/Second or Less | 0.10 Inches/Second or Less |
| Features | • T3C Temperature Code 160°C<br>• C-Flange Footed & Footless Available<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Non-Sparking Brass V-Ring Shaft Slinger<br>• Normally-Closed Thermostats<br>• Ball Bearing Available on All Frames | • Dual Frequency 50/60 Hz Design<br>• IE3 Efficiency Levels per IEC 60034-30-1<br>• Meets or Exceeds Global Standard Specifications including IEC60034, 60072, 60204 & 60038<br>• Shaft V Ring Protection System<br>• Dual-Mount 225 IEC Frames (225M & 225S)<br>• Lead Separation Protection<br>• Terminal Block (6 Post)<br>• Sealed Bearings on 80-180 Frames; Regreasable Bearings on 200 - 225 Frames | • Dual Frequency 50/60 Hz Design<br>• Horizontal & Vertical with C-Flange Option<br>• Shaft V-Ring Protection System<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Permanently Identified Leads with Single Ring Compression Type Lead Lugs on 284 Frames & Larger | • Critical Cooling Applications<br>• Total Enclosed Air-Over<br>• Extended Horsepower Capability<br>• Insulated Bearings on DE & ODE<br>• Sealed Maintenance-free Bearings<br>• NEMA Design B<br>• 1.15 SF @ 60 Hz<br>• Double Drilled Feet for Multi-Mount Capabilities |
| Area Classification | Class I Division 1 Group D and Class II Division 1 Groups E, F & G, T3C 160°C | Non-Hazardous | Class I Division 2 Groups A, B, C, D | Non-Hazardous |
| Notes | | B5, B34 Flanges Available | | |

# LOW VOLTAGE MOTORS

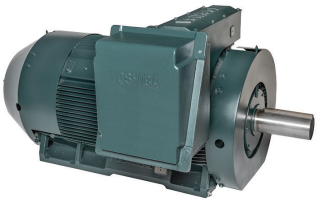
| | EQP Global® Cooling Tower | EQP Global® Quarry Duty | EQP Global® Brake |
|---|---|---|---|
| Efficiency | NEMA Premium® Efficiency | High & NEMA Premium® Efficiency | NEMA Premium® Efficiency |
| Enclosure | TEFC, TEAO | TEFC | TEFC |
| Horsepower | 0.75 to 75 HP | 5 to 750 HP | 0.75 to 30 HP |
| Speed | (60 Hz): 1800 or 1200 RPM<br>(50 Hz): 1500 or 1000 RPM | 1800, 1200 or 900 RPM | (60 Hz): 1800 or 1200 RPM<br>(50 Hz): 1500 or 1000 RPM |
| Voltage | (60 Hz): 230/460 or 575 V<br>(50 Hz): 190/380 V | (60 Hz): 460 or 575 V | (60 Hz): 230/460 or 575 V<br>(50 Hz): 190/380 V |
| Frame Size | 143T - 365T | 184T - B587LL | 143T - 286T |
| Protection | IP56 | IP55 (Up to S/B449) & IP54 (S/B587) | IP55 |
| Frame Construction | Cast Iron | Cast Iron | Cast Iron |
| Insulation | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 | Class F Inverter Duty, Exceeds NEMA MG1 Part 31 |
| Vibration (Unfiltered) | 0.08 Inches/Second or Less | 0.10 Inches/Second or Less | 0.10 Inches/Second or Less |
| Features | • Dual-Frequency 50/60 Hz Design<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Epoxy Finished Paint<br>• Suitable for Horizontal & Vertical Mounting<br>• Umbrella Seal plus Forsheda® Seal System on DE & ODE | • High Torque Design<br>• 1.25 SF on 184T - 365T Frames & 1.15 SF on 404T - 5810 Frames<br>• Stamped Steel Fan Cover<br>• Shaft V-Ring Protection System<br>• 4142 High Strength Shaft Steel (505 Frames & Larger)<br>• Polyurea Base Grease<br>• Grade-8 Hardware<br>• Bearing Lock Nuts for Vertical Mounting on 505 Frames & Larger<br>• Double Drilled Feet for Multi-Mount Capabilities on Most Frames | • Holding Duty<br>• Dual Frequency 50/60 Hz Design<br>• Shaft V-Ring Protection System<br>• Double Drilled Feet for Multi-Mount Capabilities<br>• Brake Ratings 15 lb. ft. & Below Suitable for Vertical Mounting |
| Area Classification | Class I Division 2 Groups A, B, C, D | Non-Hazardous | Non-Hazardous |

# MEDIUM VOLTAGE MOTORS



| | Open Drip-Proof | Weather-Protected I | Weather-Protected II |
|---|---|---|---|
| Efficiency | High Efficiency | High Efficiency | High Efficiency |
| Enclosure | ODP | WPI | WPII |
| Horsepower | 200 to 900 HP | 250 to 2,000 HP; 700 to 7,500 HP CT | 250 to 7,500 HP |
| Speed | (60 Hz): 3600, 1800, 1200 or 900 RPM | (60 Hz): 3600, 1800, 1200 or 900 RPM | (60 Hz): 3600, 1800, 1200 or 900 RPM |
| Voltage | (60 Hz): 2300/4160 or 4000 V | (60 Hz): 2300/4000, 4000, 6000, or 6600 V | (60 Hz): 2300/4000, 4000, 6000, or 6600 V |
| Frame Size | 505US through 5810US | 588USS through 5811/12USS; N3512 - N5620 | 588USS through 450-1600 |
| Protection | IP22 | IP23 | IP24 |
| Frame Construction | Cast Iron | Cast Iron | Cast Iron |
| Insulation | Class F with Class B Rise at 1.0 SF | Class F with Class B Rise at 1.0 SF | Class F with Class B Rise at 1.0 SF |
| Features | • Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• IP22 Enclosure<br>• Grounding Provision in Conduit Box<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. 31 | • 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• NEMA Type II Terminal Box Available - Standard for 6800 Frames<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box<br>• Insulated NDE Bearing<br>• Insulated NDE and DE Sleeve Bearings Available Some Ratings<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• Provisions for Housing Vibration Sensors<br>• IP23 Enclosure<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• Non-Sparking Epoxy Coated Aluminum Fan Available<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV | • 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• NEMA Type II Terminal Box Available - Standard for 6800 Frames<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box<br>• Insulated NDE Bearing<br>• Insulated NDE and DE Sleeve Bearings Available Some Ratings<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• Provisions for Housing Vibration Sensors<br>• IP24 & IP24W Protected Enclosures<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• Non-Sparking Epoxy Coated Aluminum Fan Available<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV |
| Area Classification | Recommended for Indoor Use | Suitable for Class I Division 2 Groups A, B, C, D | Suitable for Class I Division 2 Groups A, B, C, D |

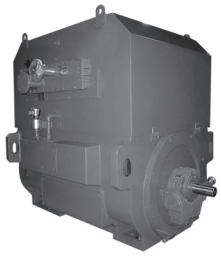
# MEDIUM VOLTAGE MOTORS



| | Totally Enclosed TEFC | Totally Enclosed TEFC 841 | High Torque 587 Frame |
|---|---|---|---|
| Efficiency | High & NEMA Premium® Efficiency | NEMA Premium® Efficiency | High & NEMA Premium® Efficiency |
| Enclosure | TEFC | TEFC | TEFC |
| Horsepower | 100 to 2,500 HP | 100 to 400 HP | 200 to 750 HP |
| Speed | (60 Hz): 3600, 1800, 1200, 900 or 720 RPM | (60 Hz): 3600, 1800, 1200 or 900 RPM | (60 Hz): 1800, 1200 or 900 RPM |
| Voltage | (60 Hz): 2300/4000, 4000, 6000, or 6600 V | (60 Hz): 2300/4000 V | (60 Hz): 2300/4000 or 4000 V |
| Frame Size | S447TS/449TS through N8810 | S/B 447/9 | S/B 586/7 |
| Protection | IP54 | IP56 | IP55 |
| Frame Construction | Cast Iron | Cast Iron | Cast Iron |
| Insulation | Class F with Class B Rise at 1.0 SF | Class F | Class F |
| Features | • 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• NEMA Type II Terminal Box Available - Standard for 6800 Frames<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box (Optional on S/B449)<br>• Insulated NDE Bearing (Optional on S/B449)<br>• Insulated NDE and DE Sleeve Bearings Available Some Ratings<br>• Insulated NDE Bearing Housings<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• Provisions for Housing Vibration Sensors<br>• IP54 Enclosure<br>• IP55 Enclosure Available<br>• Cast Iron or Fabricated Steel Fan Covers<br>• Fabricated Steel Only for 6800 Frames<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• Non-Sparking Epoxy Coated Aluminum Fan Available<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Corrosion Resistant Breather Drains at Lowest Location of Motor and Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV | • 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• Provisions for Housing Vibration Sensors<br>• IP56 Enclosure<br>• IEEE® 841 Nameplated<br>• Labyrinth Seals on DE and NDE<br>• Tropicalization Treatment on Windings<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• .005 in Provision Foot Flatness<br>• Non-Sparking Epoxy Coated Aluminum Fan<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Corrosion Resistant Breather Drains at Lowest Location of Motor and Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV | • High-Torque Design<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box<br>• Insulated NDE Bearing<br>• Provisions for Housing Vibration Sensors<br>• IP55 Enclosure<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• Non-Sparking Fan<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Corrosion Resistant Breather Drains at Lowest Location of Motor and Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV |
| Area Classification | Suitable for Class I Division 2 Groups A, B, C, D | Class I Division 2 Groups A, B, C, D<br>Suitable for Class II Division 2 Groups F, G | Suitable for Class I Division 2 Groups A, B, C, D |

TOSHIBA

# MEDIUM VOLTAGE MOTORS



| | Totally Enclosed Air-to-Air Cooled | Totally Enclosed Water-Air-Cooled |
|---|---|---|
| Efficiency | High Efficiency | High Efficiency |
| Enclosure | TEAAC | TEWAC |
| Horsepower | 450 to 3,000 HP | 400 to 5,500 HP |
| Speed (60 Hz) | 3600, 1800, 1200 or 900 RPM | 3600, 1800, 1200 or 900 RPM |
| Voltage (60 Hz) | 4000 V, Option for 2300 or 6000 V | 2300/4000, 4000, or 6000 V |
| Frame Size | 5810/11/12US through 450-1600 | 5011/12USS through 6812/13USS |
| Protection | IP54 | IP54 |
| Frame Construction | Cast Iron | Cast Iron |
| Insulation | Class F with Class B Rise at 1.0 SF | Class F with Class B Rise at 1.0 SF |
| Features | • 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• NEMA Type II Terminal Box Available - Standard for 6800 Frames<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box<br>• Insulated NDE Bearing<br>• Insulated NDE and DE Sleeve Bearings Available Some Ratings<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• Provisions for Housing Vibration Sensors<br>• IP54 Enclosure<br>• IP55 Enclosure Available<br>• Provisions for Housing Vibration Sensors<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• Non-Sparking Epoxy Coated Aluminum Fan Available<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Corrosion Resistant Breather Drains at Lowest Location of Motor and Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV | • 100 ohm Platinum Winding RTDs Wired to a Dedicated Auxiliary Box - 2/Phase<br>• Oversized Cast Iron or Fabricated Steel NEMA Type I Terminal Box<br>• NEMA Type II Terminal Box Available - Standard for 6800 Frames<br>• 120 V Single Phase Space Heaters Wired to Dedicated Auxiliary Box<br>• Insulated NDE Bearing<br>• Insulated NDE and DE Sleeve Bearings Available Some Ratings<br>• Provisions for Bearing Thermal Protection (RTDs or Thermocouples)<br>• Provisions for Housing Vibration Sensors<br>• IP54 Enclosure<br>• IP55 Enclosure Available<br>• Provisions for Housing Vibration Sensors<br>• Grounding Provision on Motor Frame<br>• Grounding Provision in Conduit Box<br>• Non-Sparking Epoxy Coated Aluminum Fan Available<br>• Gasketed Auxiliary Boxes<br>• Lead Separator Gasketed Main Terminal Box<br>• Corrosion Resistant Breather Drains at Lowest Location of Motor and Terminal Box<br>• Designed to Meet NEMA MG1-2018 Part 31 Sect. IV |
| Area Classification | Suitable for Indoor or Outdoor Use | Suitable for Indoor or Outdoor Use |


Toshiba International Corporation
Motors & Drives Division
13131 West Little York Road
Houston, Texas 77041 USA
Tel +713-466-0277
US 1-800-231-1412
Rev.02ESSENCE2425

Motors • Adjustable Speed Drives • Controls • Industrial Automation

TOSHIBA

www.toshiba.com/tic