

# Medium Voltage STOCK MOTORS

**TMEiC**  
We drive industry

## TM21-G Global Series

### QuickShip

TMEIC (Toshiba Mitsubishi-Electric Industrial Systems Corporation) is known around the world for our reliable, high-quality industrial motors. With a legacy of motor manufacturing dating back to the 19th century, our range of products operate in a wide variety of demanding industrial applications as diverse as steel and aluminum rolling mills to power generation and water/wastewater plants.

We stock a selection of 2-pole motors suitable for VFD operation at our warehouse in Houston, Texas.

Call us at 540-283-2222 for availability and price, or request a quote from our website [www.tmeic.com/QuickShipMotors](http://www.tmeic.com/QuickShipMotors).



## Applications

- Pumps
- Compressors
- Fans & Blowers



Power Utilities



Oil & Gas



Water Utilities

## High Efficiency, Durability & Low Vibration

### Standard Features

- Output Range: 1250HP – 1500HP
- Speed: 3600RPM
- Enclosure: Weather Protected Type II (WP2) – IP24
- Voltage: 4160V / 3 Phase / 60HZ
- Mounting: Horizontal
- Bearings: Anti-Friction Bearings L10 Life of 40,000 hrs
- Class F Insulation / Class B Temperature Rise
- Frame: 400-1120
- Terminal Box: F1 Standard / F2 (optional)
- Hazardous Location: Class 1 Div. 2, Group B/C/D
- Rotor Construction: Copper Bar
- Vacuum Pressure Impregnation (VPI)
- Accessories: 100 Ohm Platinum, Winding RTDs (2/phase), Bearing RTDs (1/Brg), Space Heater, Provisions for Vibration Sensors
- Noise: Low Noise Design
- Suitable for Variable Frequency Drive / NEMA MG-1 Part 31
- Stiff Shaft Design (1st Critical above 4300RPM)
- Paint: TMEIC Grade III Epoxy Resin & Polyurethane Enamel
- Interior Surface Protection: Epoxy Resin & Topicalization
- Stainless Steel Nameplate

### Extras / Options

Please ask your local sales representative for a list of common modifications, or contact us at [www.tmeic.com/QuickShipMotors](http://www.tmeic.com/QuickShipMotors).

# TM21-G QuickShip Motors

HP	RPM	Eff.	Amps	PF	C Dem	Noise	LRT (%)	LRA (%)	BDT (%)	Terminal Box	Fan	Bearing ODE & DE	Grease
1250	3575	96%	154	87.8	76.4 in (1940 mm)	85 dB(A)	89.9	617	167	F1*	Uni Directional	6218C3	SKF LGHP2
1500	3570	96%	185	87.5	76.4 in (1940 mm)	85 dB(A)	75	535	167	F1*	Uni Directional	6218C3	SKF LGHP2

\* Field convertible to F2

Standard Configuration	
Speed	3570 RPM (stiff shaft)
Frame	400-1120
Voltage	4160V, 3Ø, 60Hz
Enclosure	WP11, IP 24
Service Factor	1.0
Mounting	Horizontal
Insulation	Class F / B Rise
Hazardous Rating	Class 1 / Div II Groups B/C/D T3 (DOL)
Winding RTD's	2 per phase, 100 Ohm
Bearing RTD's	1 per bearing, 100 Ohm
Space Heater	120/240V, 60HZ, 1Ø, 150W, AC
Vibration Probes	Provisions Only
VFD Operation	Min. speed 600 RPM (Variable Torque)
Approx. Weight	7,715 lb (3,500 kg)
Bearing	Ball (insulated both ends)

Drawings			
HP	Outline	Main Terminal Box	Auxiliary Terminal Box
1250 CW	DD004240	DD009208	DD009209
1250 CCW	DD004238	DD009204	DD009205
1500 CW	DD004239	DD009206	DD009207
1500 CCW	DD003826	DD009145	DD009146

For more information on the TM21-G, please visit: <http://bit.ly/3b5NKKd>

## TMEIC QuickShip Medium Voltage Variable Frequency Drives

TMEIC has you covered with stock MV drives in several configurations, available for order today.

Call us at 540-283-2222 for availability and price, or request a quote from our website, [www.tmeic.com/QuickShipDrives](http://www.tmeic.com/QuickShipDrives) for more information.

### 4.16 kV<sup>†</sup> (Made in USA)

VFD Frame	Max. Weight lbs (kg)	Approx. Motor Shaft HP / (kW) at 4.16kV	Rated Output Current (A) I Phase AC <sup>‡</sup>	Inverter kVA Output at 4.16 kV
Frame 200	9,300 (4,218)	1,085 / (810)	138	1,000
Frame 300	14,285 (6,480)	1,500 / (1,120)	191	1,380
Frame 400	14,285 (6,480)	2,145 / (1,600)	262	1,890
Frame 600	18,960 (8,600)	3,040 / (2,268)	385	2,770

### TMdrive-Guardian™ All-Weather Enclosure for the TMdrive-MVe2

Frame 200 (Outdoor) <sup>1</sup> NEMA type 3R	15,350 (6,962)	1,085 / (810)	138	1,000
Frame 400 (Outdoor) <sup>1</sup> NEMA type 3R	17,955 (8,144)	2,145 / (1,600)	262	1,890

<sup>†</sup>110% OL for 60 sec. Panel heights include cooling fans. VFD capable of 70 - 80% regeneration at nominal voltage at unity power factor.

<sup>‡</sup>CSA listed VFD in U.S. and Canada. Frame designation indicates power cell rating for replacement parts and other purposes.

<sup>1</sup> Rated -40°C to +50°C applicable.

For the TMdrive-MVe2 VFD product application guide, visit: <https://bit.ly/38QGGjL>

For more information on the TMdrive-MVe2 power control capabilities, visit: <https://bit.ly/3uMwD8a>

For more information on the TMdrive Guardian, visit: <http://bit.ly/3qd0jb2>



For specifications not mentioned here, contact TMEIC

**WWW.TMEIC.COM**