



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP07X54D2TBL

Serie: IEC Graphene

| | | | |
|-------------|------------|------------|--------|
| Issued Date | 11/14/2022 | Doc. # | 382-R0 |
| Issued By | LD | Issued Rev | 0 |

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|-----|------------|--------|-------|-------------|------------|----------|--------------------|
| 10 | 7.5 | 4 | 1734 | 132M | 230/380/460 | 60 | 3 | 26.4/15.3/13.2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | IEC Design | kVA Code | Ambient Temp. (°C) |
| TEFC | 55 | F (*) | 1.15 | S1 | IE2-89.5 | N | - | 40 |

* Inverter Duty

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-----|-------|---------|----------------|------------------|
| Full Load | 10 | 7.5 | 12.9 | 89.9 | 84.8 |
| ¾ Load | 7.5 | 5.625 | 10.3 | 90.3 | 79.8 |
| ½ Load | 5 | 3.75 | 7.9 | 89.6 | 69.3 |
| ¼ Load | 2.5 | 1.875 | 6.2 | 85.3 | 46.6 |
| No Load | | | 5.6 | | 24.2 |
| Locked Rotor | | | 95.0 | | 0.2 |

| Torque | | | | Rotor Inertia |
|-----------------|----------------------|-----------------|--------------------|---------------|
| Full Load (N-m) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | (Kg-m²) |
| 41.3 | 212.6 | 211.0 | 290.1 | 0.03488 |

| Safe Stall Time(s) Cold / Hot | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (kg) |
|----------------------------------|------------------------------|------------|------------|------------------------------|
| | | DE | NDE | |
| 18.8/7.7 | - | 6208/2Z C3 | 6305/2Z C3 | 71 |

*Bearings are the only recommended spare part(s).

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

| | | | | | |
|-------------|--|------------------|--|-------------|----------------|
| Engineering | | Doc. Written By | | Doc.# / Rev | MEGP07X54D2TBL |
| Engr. Date | | Doc. Approved By | | Doc. Issued | |



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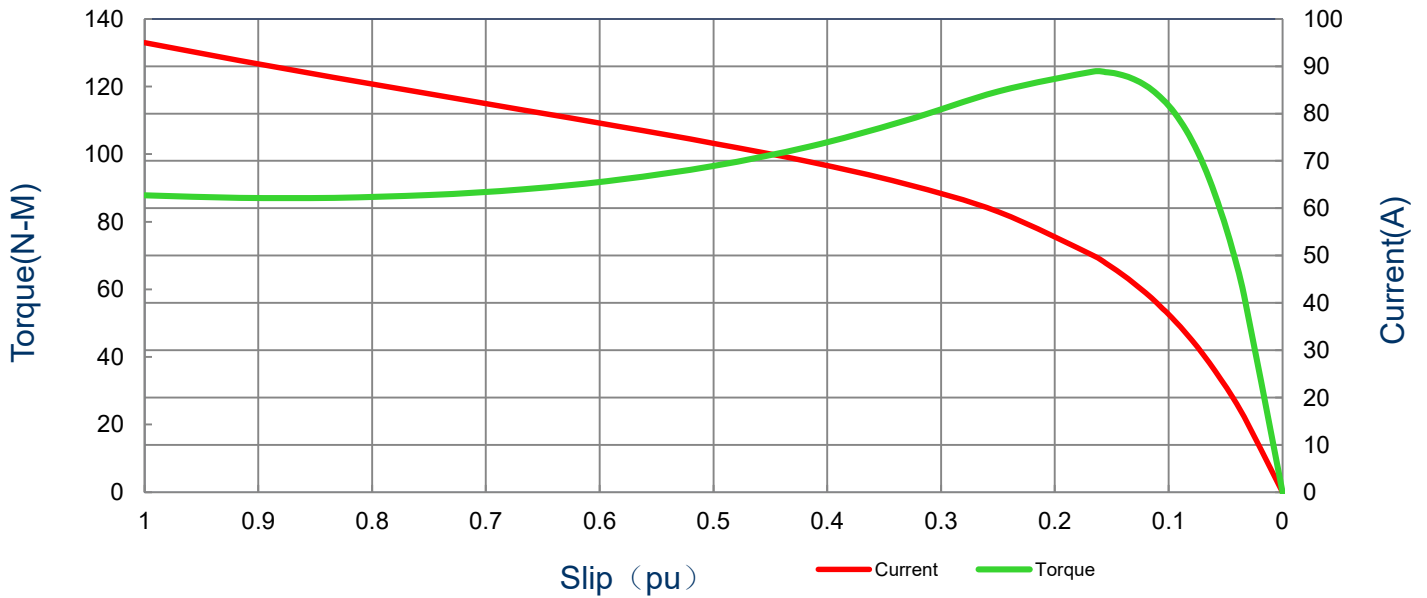
SPEED TORQUE/CURRENT CURVE

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| 10 | 7.5 | 4 | 1734 | 132M | 230/380/460 | 60 | 3 | 26.4/15.3/13.2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | IEC Design | kVA Code | Ambient Temp. (°C) |
| TEFC | 55 | F (*) | 1.15 | S1 | IE2-89.5 | N | - | 40 |
| Locked Rotor Amps | Rotor Inertia (Kg-m2) | Torque | | | | | | |
| | | Full Load (N-m) | Locked Rotor (%) | Pull Up (%) | Break Down (%) | | | |
| 95 | 0.03488 | 41.3 | 212.6 | 211.0 | 290.1 | | | |

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

| | | | | | |
|-------------|--|------------------|--|-------------|----------------|
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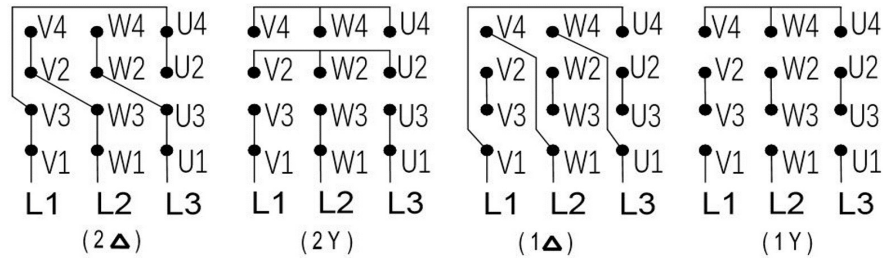
Motor Connection Diagram

Model: MEGP07X54D2TBL

Serie: IEC Graphene

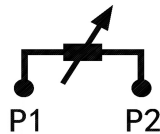
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|-----|------------|--------|-------|-------------|------------|----------|--------------------|
| 10 | 7.5 | 4 | 1734 | 132M | 230/380/460 | 60 | 3 | 26.4/15.3/13.2 |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | IEC Design | kVA Code | Ambient Temp. (°C) |
| TEFC | 55 | F (*) | 1.15 | S1 | IE2-89.5 | N | - | 40 |

12 Leads Connection Diagram



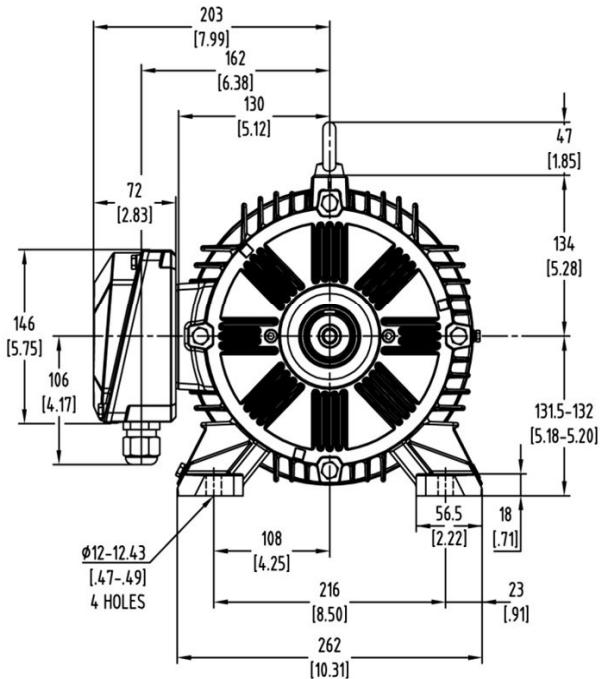
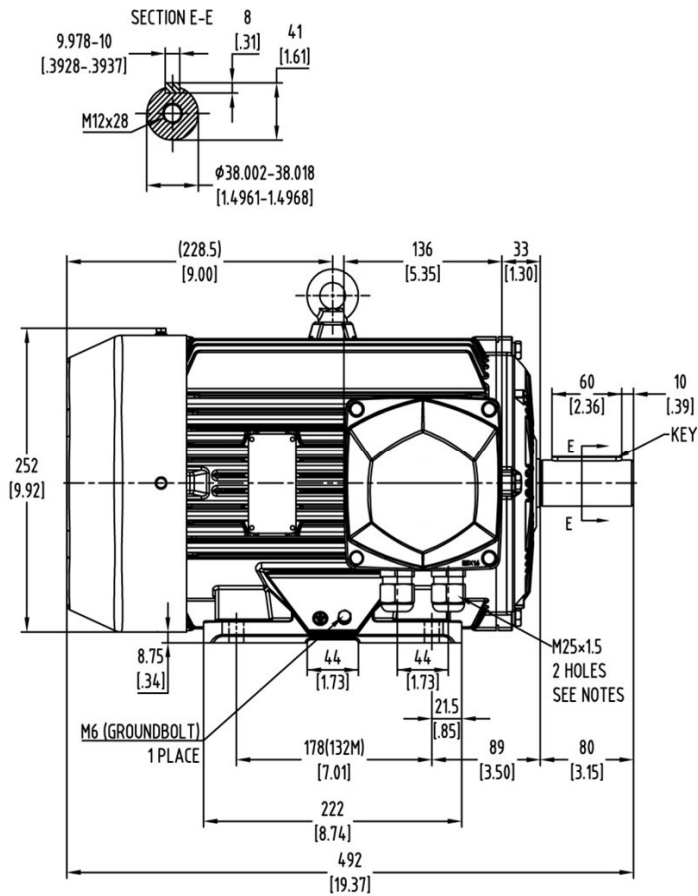
Y- Only Start

PTC Diagram



All characteristics are average expected values.

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| ROTATION FROM DE | | | 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS | | | | | | | | |
| CCW | CW | | 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION | | | | | | | | |
| | | | AVAILABLE ONLY BY CONNECTION CHANGE. | | | | | | | | |
| | X | | | | | | | | | | |
| TASHIDA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE | | | | | | PRELIMINARY | | | | | |
| DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED | | | | | X | CERTIFIED | | | | | |
| Tashida | | | TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR | | | Drawing #: | | MEGP07X54D2TBL | | | |
| | | | | | | Rev. Date: | | 11/14/2022 | Rev. #: | 0 | |
| | | | | | | Standard: | | IEC-60034 | Mount.: | IMB3 | |
| | | | | | | Frame | 132M | LHS | Per.: | LD | |