



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00902D3TBL

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 |
|-----------|----|------------|--------|-------|-------------|------------|----------|--------------------|
| 125 | 90 | 2 | 3580 | 280M | 230/380/460 | 60 | 3 | 266/154/133 |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | IEC Design | kVA Code | Ambient Temp. (°C) |
| TEFC | 55 | F (*) | 1.15 | S1 | IE3-95.0 | N | - | 40 |

* Inverter Duty

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|--------------|-------|------|---------|----------------|------------------|
| Full Load | 125 | 90 | 133.0 | 95.4 | 93.1 |
| ¾ Load | 93.75 | 67.5 | 102.0 | 95.4 | 91.1 |
| ½ Load | 62.5 | 45 | 72.3 | 95.2 | 85.8 |
| ¼ Load | 31.25 | 22.5 | 46.6 | 93.7 | 67.7 |
| No Load | | | 36.9 | | 32.0 |
| Locked Rotor | | | 1108.0 | | 0.3 |

| Torque | | | | Rotor Inertia |
|-----------------|----------------------|-----------------|--------------------|---------------|
| Full Load (N-m) | Locked Rotor (% FLT) | Pull Up (% FLT) | Break Down (% FLT) | (Kg-m²) |
| 240 | 236.0 | 232.7 | 384.0 | 0.96 |

| Safe Stall Time(s) | Sound Pressure dB(A) @ 1M | Bearings* | | Approx. Motor Weight (kg) |
|--------------------|---------------------------|-----------|---------|---------------------------|
| | | DE | NDE | |
| Cold / Hot | | | | |
| 2 Cold or 1 Hot | - | 6314 C3 | 6314 C3 | 665 |

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

| | | | | | |
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| Engr. Date | | Doc. Approved By | | Doc. Issued | |



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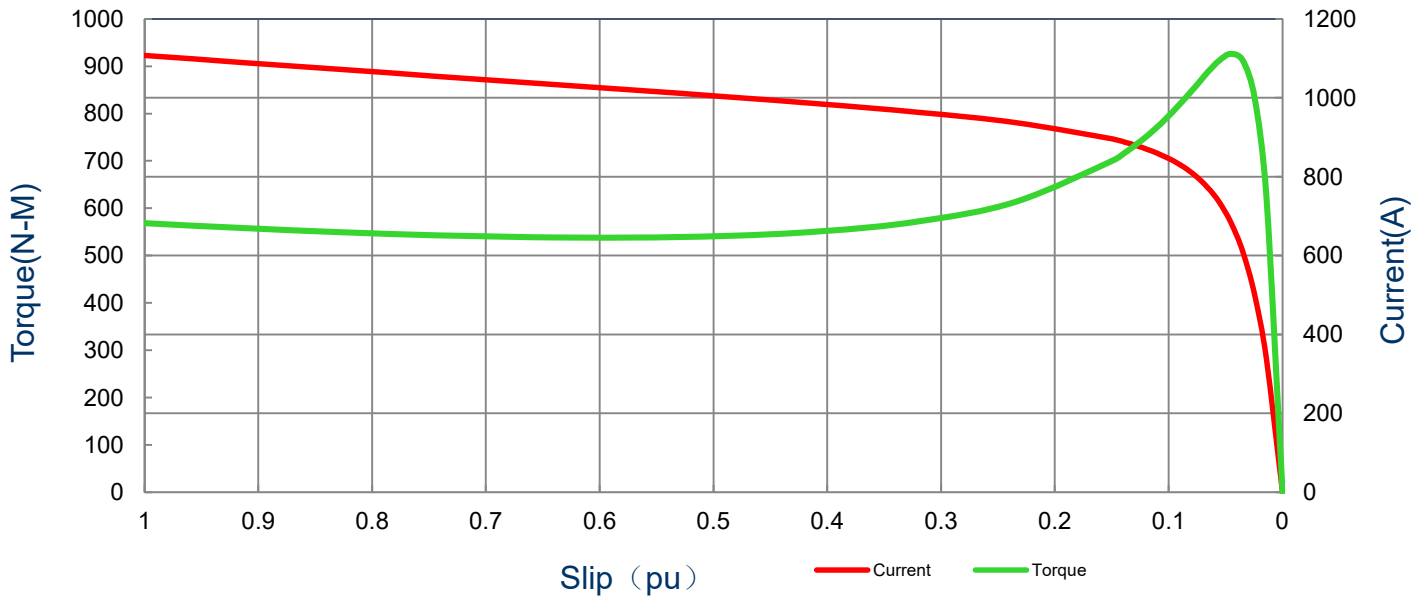
SPEED TORQUE/CURRENT CURVE

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|-------------------|-----------------------|-----------------|------------------|-------------|----------------|------------|----------|--------------------|
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| TEFC | 55 | F (*) | 1.15 | S1 | IE3-95.0 | N | - | 40 |
| Locked Rotor Amps | Rotor Inertia (Kg-m2) | Torque | | | | | | |
| | | Full Load (N-m) | Locked Rotor (%) | Pull Up (%) | Break Down (%) | | | |
| 1108 | 0.96 | 240 | 236.0 | 232.7 | 384.0 | | | |

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

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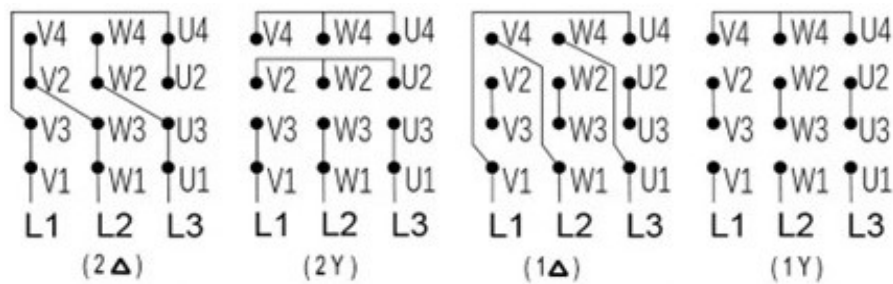
Motor Connection Diagram

Model: MEGP00902D3TBL

Serie: IEC Graphene

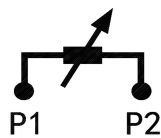
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|-----------|----|------------|--------|-------|-------------|------------|----------|--------------------|
| 125 | 90 | 2 | 3580 | 280M | 230/380/460 | 60 | 3 | 266/154/133 |
| Enclosure | IP | Ins. Class | S.F. | Duty | Nom. Eff. | IEC Design | kVA Code | Ambient Temp. (°C) |
| TEFC | 55 | F (*) | 1.15 | S1 | IE3-95.0 | N | - | 40 |

12 Leads Connection Diagram



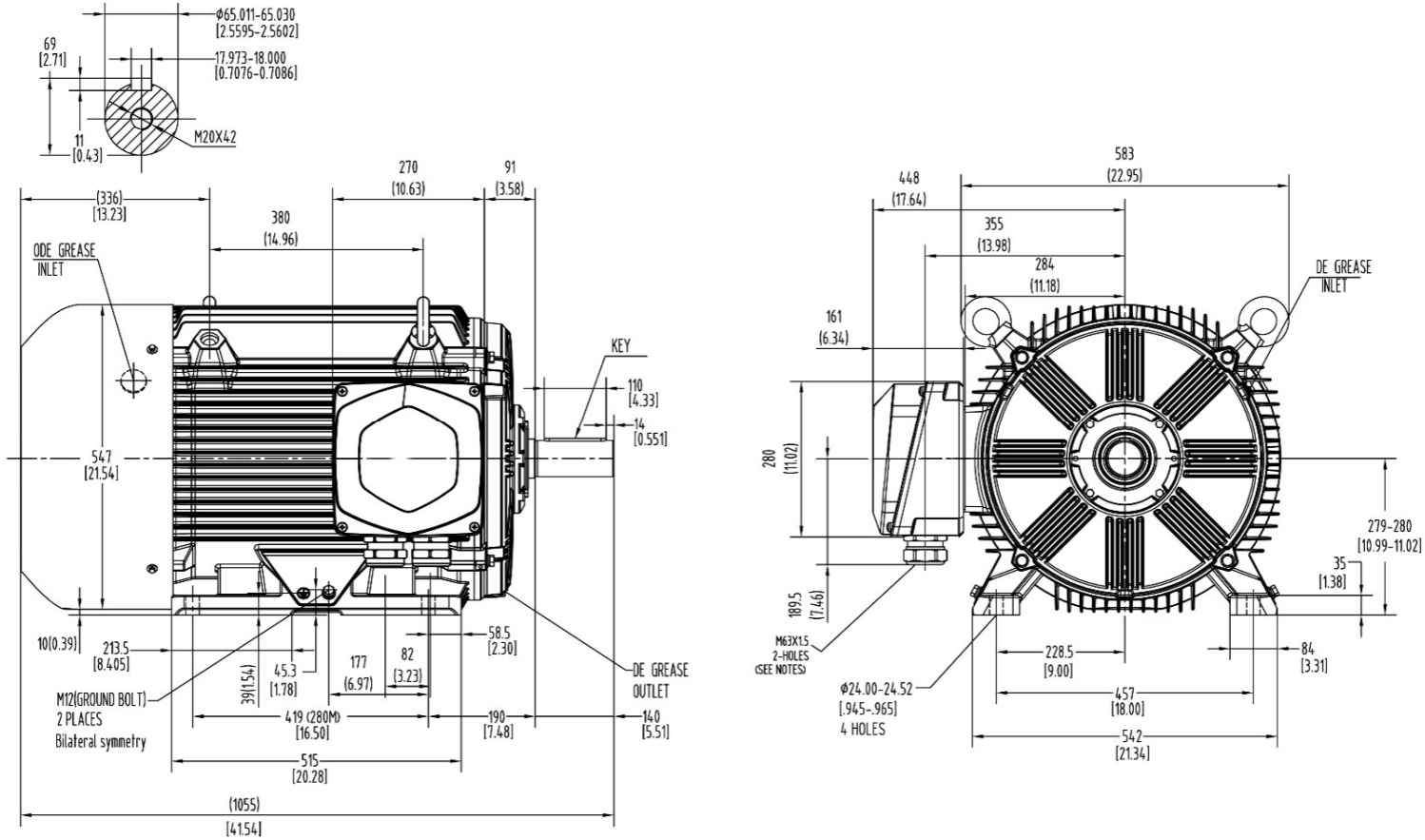
Y- Only Start

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 | | | | |
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| <h1>Tashida</h1> | | TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR | | Drawing #: MEGP00902D3TBL | |
| | | | | Rev. Date: 11/14/2022 | Rev. #: 0 |
| | | Standard: IEC-60034 | Mount.: IMB3 | | |
| | | Frame: 280M | LHS | Per.: | LD |