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

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# TYPICAL MOTOR PERFORMANCE DATA

**Model:** MEGP01502D3TBL **Serie:** IEC Graphene

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 200 | 150 | 2 | 3570 | 315L | 230/380/460 | 60 | 3 | 444/256/222 |
| **Enclosure** | **IP** | **Ins. Class** | **S.F.** | **Duty** | **Nom. Eff.** | **IEC Design** | **kVA Code** | **Ambient Temp. (°C)** |
| TEFC | 55 | F (*) | 1.15 | S1 | IE3-95.4 | N | - | 40 |

* Inventer Duty

| Load | HP | kW | Amperes | Efficiency (%) | Power Factor (%) |
|---|---|---|---|---|---|
| **Full Load** | 200 | 150 | 222.0 | 95.5 | 92.9 |
| **¾ Load** | 150 | 112.5 | 169.0 | 95.3 | 91.6 |
| **½ Load** | 100 | 75 | 119.0 | 94.8 | 87.4 |
| **¼ Load** | 50 | 37.5 | 74.0 | 92.6 | 71.6 |
| **No Load** | | | 52.0 | | 31.2 |
| **Locked Rotor** | | | 1516.0 | | 0.3 |

| Torque | | | | Rotor Inertia |
|---|---|---|---|---|
| **Full Load (N-m)** | **Locked Rotor (% FLT)** | **Pull Up (% FLT)** | **Break Down (% FLT)** | **(Kg-m²)** |
| 400 | 210.0 | 200.4 | 328.0 | 2.0224 |

| Safe Stall Time(s) | Sound Pressure | Bearings* | | Approx. Motor Weight |
|---|---|---|---|---|
| **Cold / Hot** | **dB(A) @ 1M** | **DE** | **NDE** | **(kg)** |
| 2 Cold or 1 Hot | - | 6317 C3 | 6317 C3 | 1149 |

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

**Included Accessories:**

PTC Thermistor

All characteristics are average expected values.

| Engineering | | Doc. Written By | | Doc.# / Rev | MEGP01502D3TBL |
|---|---|---|---|---|---|
| Engr. Date | | Doc. Approved By | | Doc. Issued | |

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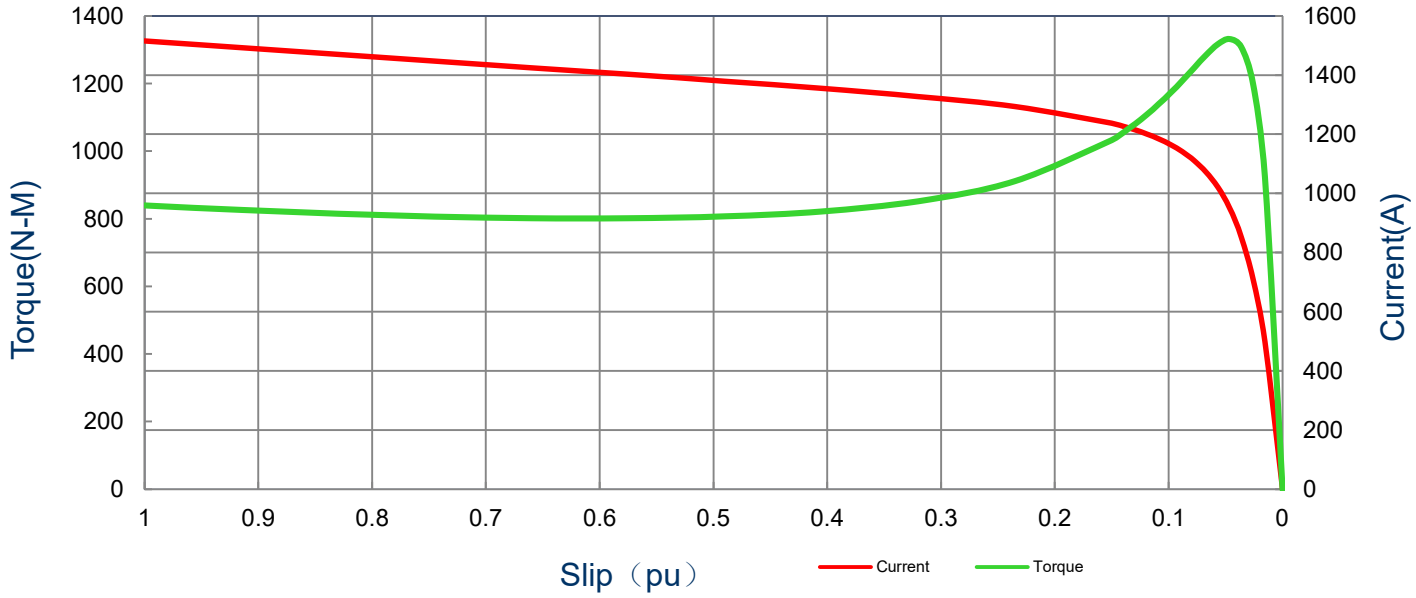
# SPEED TORQUE/CURRENT CURVE

**Model:** MEGP01502D3TBL **Serie:** IEC Graphene

| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 200 | 150 | 2 | 3570 | 315L | 230/380/460 | 60 | 3 | 444/256/222 |
| **Enclosure** | **IP** | **Ins. Class** | **S.F.** | **Duty** | **Nom. Eff.** | **IEC Design** | **kVA Code** | **Ambient Temp. (°C)** |
| TEFC | 55 | F (*) | 1.15 | S1 | IE3-95.4 | N | - | 40 |

| Locked Rotor Amps | Rotor Inertia (Kg-m2) | Torque | | | |
|---|---|---|---|---|---|
| | | Full Load (N-m) | Locked Rotor (%) | Pull Up (%) | Break Down (%) |
| 1516 | 2.0224 | 400 | 210.0 | 200.4 | 328.0 |

## Current vs Slip Curve and Torque vs Slip Curve




All characteristics are average expected values.

| Engineering | | Doc. Written By | | Doc.# / Rev | MEGP01502D3TBL |
|---|---|---|---|---|---|
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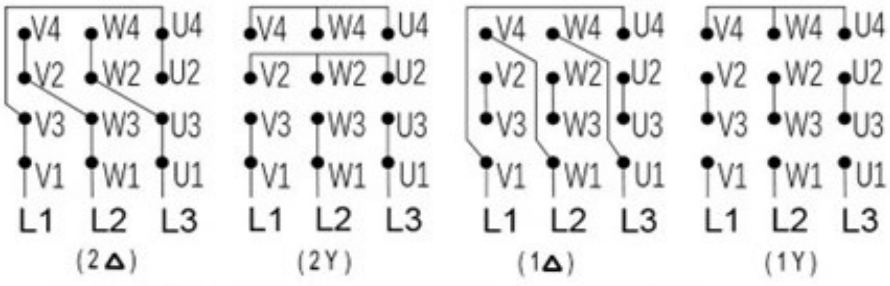
# Motor Connection Diagram

**Model:** MEGP01502D3TBL **Serie:** IEC Graphene

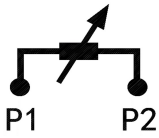
| HP | kW | Pole | FL RPM | Frame | Voltage | Hz | Phase | FL Amps |
|---|---|---|---|---|---|---|---|---|
| 200 | 150 | 2 | 3570 | 315L | 230/380/460 | 60 | 3 | 444/256/222 |
| **Enclosure** | **IP** | **Ins. Class** | **S.F.** | **Duty** | **Nom. Eff.** | **IEC Design** | **kVA Code** | **Ambient Temp. (°C)** |
| TEFC | 55 | F (*) | 1.15 | S1 | IE3-95.4 | N | - | 40 |

## 12 Leads Connection Diagram



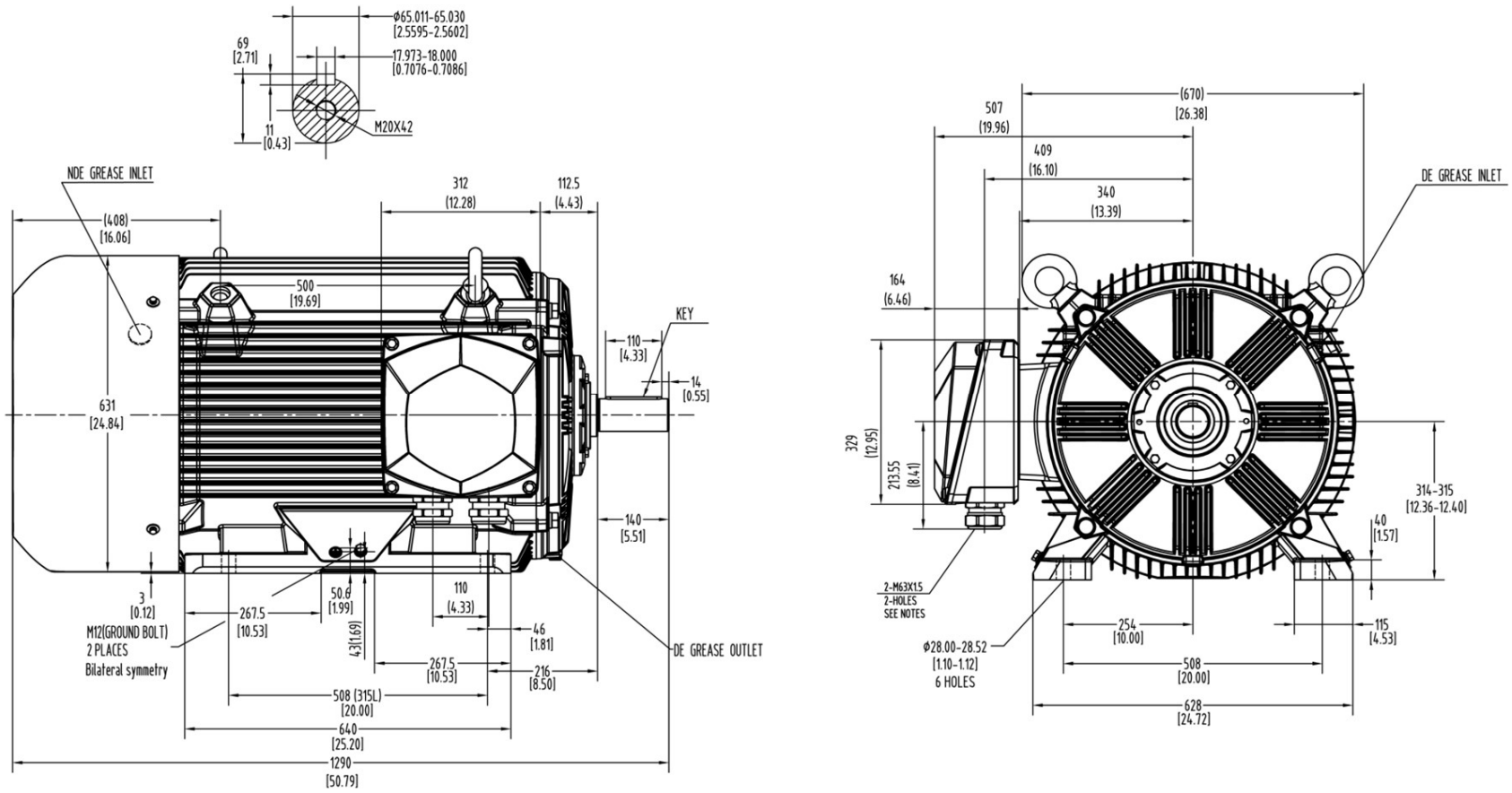

## Y- Only Start

## PTC Diagram




All characteristics are average expected values.

| Engineering | | Doc. Written By | | Doc.# / Rev | MEGP01502D3TBL |
|---|---|---|---|---|---|
| Engr. Date | | Doc. Approved By | | Doc. Issued | |




| Units: mm (in) | | PROPRIETARY INFORMATION | Notes: |
|---|---|---|---|
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| TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR | | | | | |
|---|---|---|---|---|---|
| | | | Drawing #: | MEGP01502D3TBL | |
| | | | Rev. Date: | 11/14/2022 | Rev. #: 0 |
| | | | Standard: | IEC-60034 | Mount.: IMB3 |
| Frame | 315L | LHS | Per.: | LD | |