



### TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP02X24E2TBL

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
3	2.2	4	1728	100L	230/460	60	3	8.15/4.07
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-87.5	N	-	40

\* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3	2.2	4.1	87.6	80.2
¾ Load	2.25	1.65	3.4	87.9	72.6
½ Load	1.5	1.1	2.8	86.8	59.2
¼ Load	0.75	0.55	2.4	81.1	37.0
No Load			2.3		19.2
Locked Rotor			30.2		0.2

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
12.2	250.9	250.2	363.9	0.01015

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
17.5/7.1	-	6206/2Z C3	6205/2Z C3	33.5

\*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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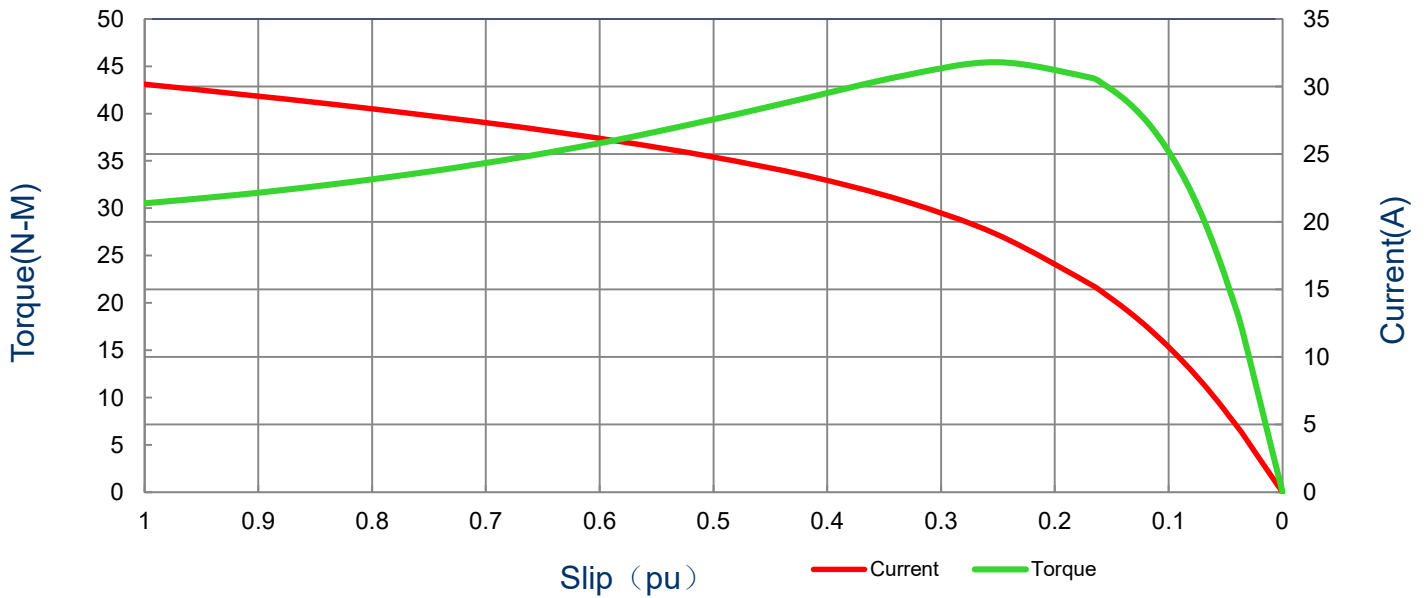
### SPEED TORQUE/CURRENT CURVE

Model: MEGP02X24E2TBL

Serie: IEC Graphene

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3	2.2	4	1728	100L	230/460	60	3	8.15/4.07
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-87.5	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
30.2	0.01015	12.2	250.9	250.2	363.9			

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

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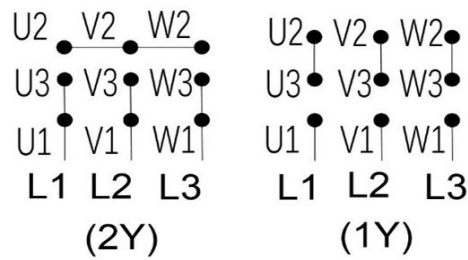
## Motor Connection Diagram

Model: MEGP02X24E2TBL

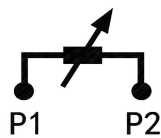
Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	4	1728	100L	230/460	60	3	8.15/4.07
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-87.5	N	-	40

### 9 Leads Connection Diagram

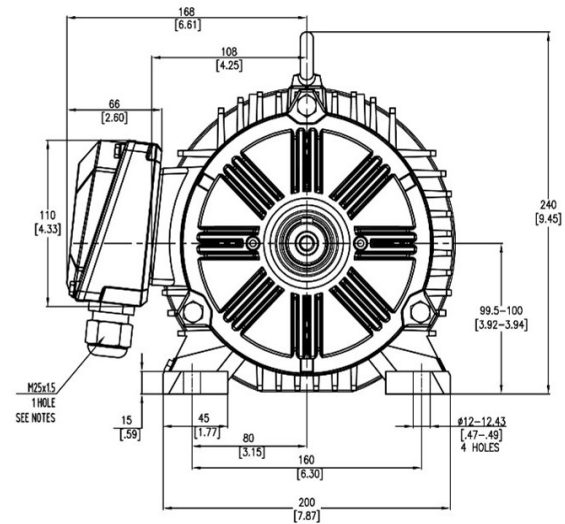
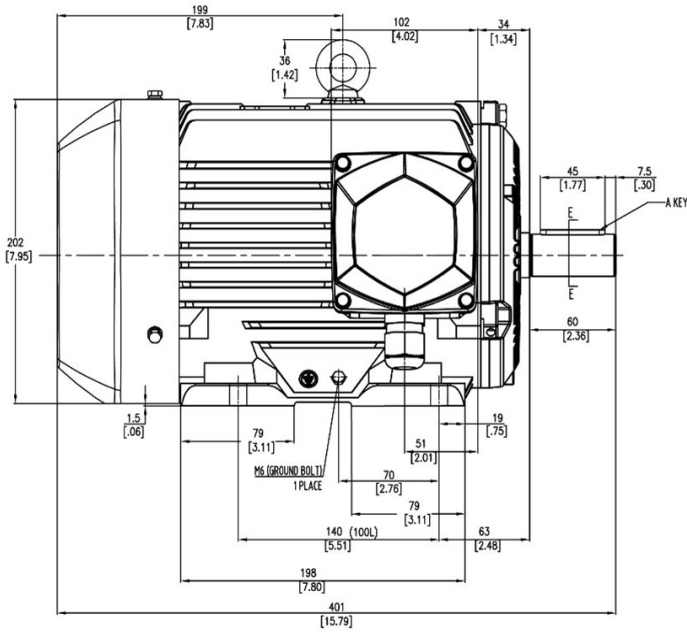
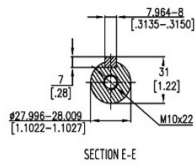


### PTC Diagram



All characteristics are average expected values.

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<b>Units: mm (in)</b>	
<b>ROTATION FROM DE</b>	
<b>CCW</b>	<b>CW</b>
	<b>X</b>

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**Notes:**  
 1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS  
 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.

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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**

**Frame 100L LHS**

<b>Drawing #:</b>	<b>MEGP02X24E2TBL</b>		
<b>Rev. Date:</b>	11/14/2022	<b>Rev. #:</b>	0
<b>Standard:</b>	IEC-60034	<b>Mount.:</b>	IMB3
<b>Per.:</b>	LD		