



### TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP01X16E3TBL

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
1.5	1.1	6	1134	90L	230/460	60	3	4.58/2.29
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-87.5	N	-	40

\* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	1.5	1.1	2.3	87.6	73.0
¾ Load	1.125	0.825	1.9	87.6	64.3
½ Load	0.75	0.55	1.7	86.1	50.7
¼ Load	0.375	0.275	1.5	79.5	30.7
No Load			1.3		14.9
Locked Rotor			16.3		0.1

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
9.3	333.8	336.1	329.8	0.0072

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
30.8/12.5	-	6205/2Z C3	6203/2Z C3	26

\*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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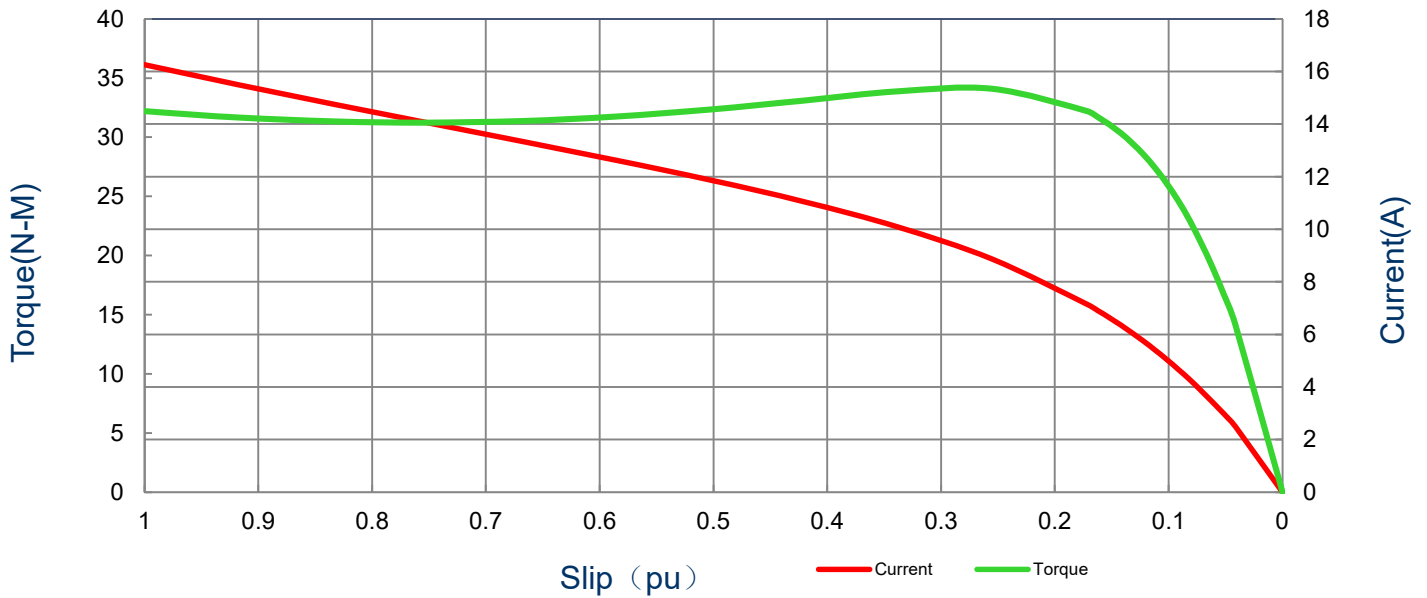
### SPEED TORQUE/CURRENT CURVE

Model: MEGP01X16E3TBL

Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.5	1.1	6	1134	90L	230/460	60	3	4.58/2.29
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-87.5	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
16.26	0.0072	9.3	333.8	336.1	329.8			

Current vs Slip Curve and Torque vs Slip Curve



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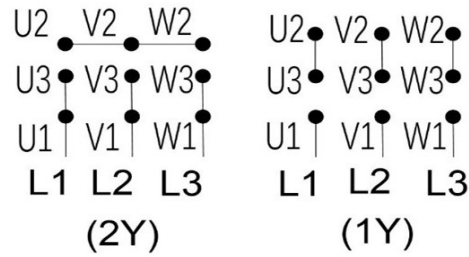
## Motor Connection Diagram

Model: MEGP01X16E3TBL

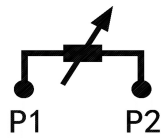
Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
1.5	1.1	6	1134	90L	230/460	60	3	4.58/2.29
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-87.5	N	-	40

### 9 Leads Connection Diagram

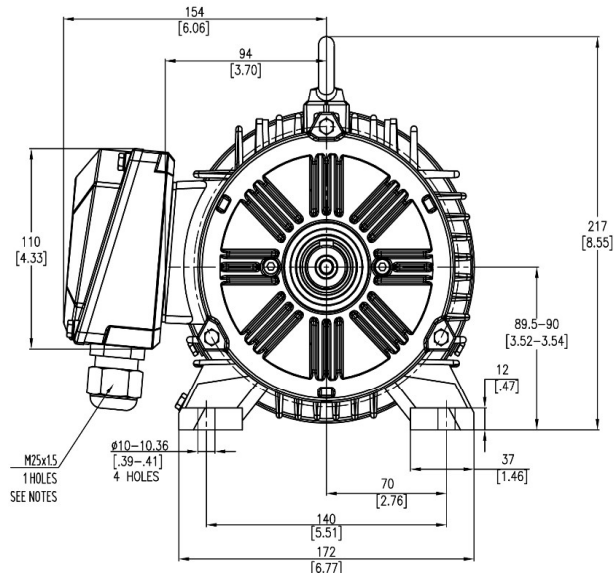
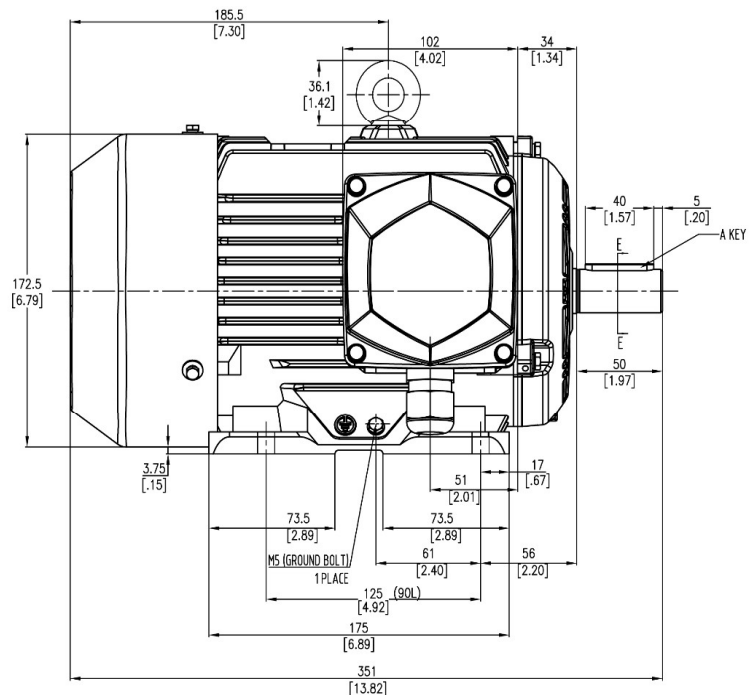
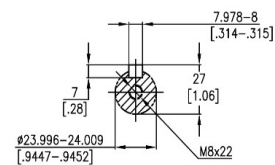


### PTC Diagram



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



<b>TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR</b>			<b>Drawing #:</b>		<b>MEGP01X16E3TBL</b>		
			<b>Rev. Date:</b>		11/14/2022	<b>Rev. #:</b>	0
			<b>Standard:</b>		IEC-60034	<b>Mount.:</b>	IMB3
<b>Frame</b>	90L	LHS	<b>Per.:</b>	LD			