



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00032E2TBL

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
4	3	2	3474	100L	230/460	60	3	10.3/5.17
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	4	3	4.9	88.2	91.7
¾ Load	3	2.25	3.7	89.0	89.5
½ Load	2	1.5	2.7	88.8	83.4
¼ Load	1	0.75	1.8	85.1	64.6
No Load			1.5		37.1
Locked Rotor			38.2		0.4

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
8.25	209.7	209.7	286.8	0.00527

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
2 Cold or 1 Hot	-	6206/2Z C3	6205/2Z C3	32

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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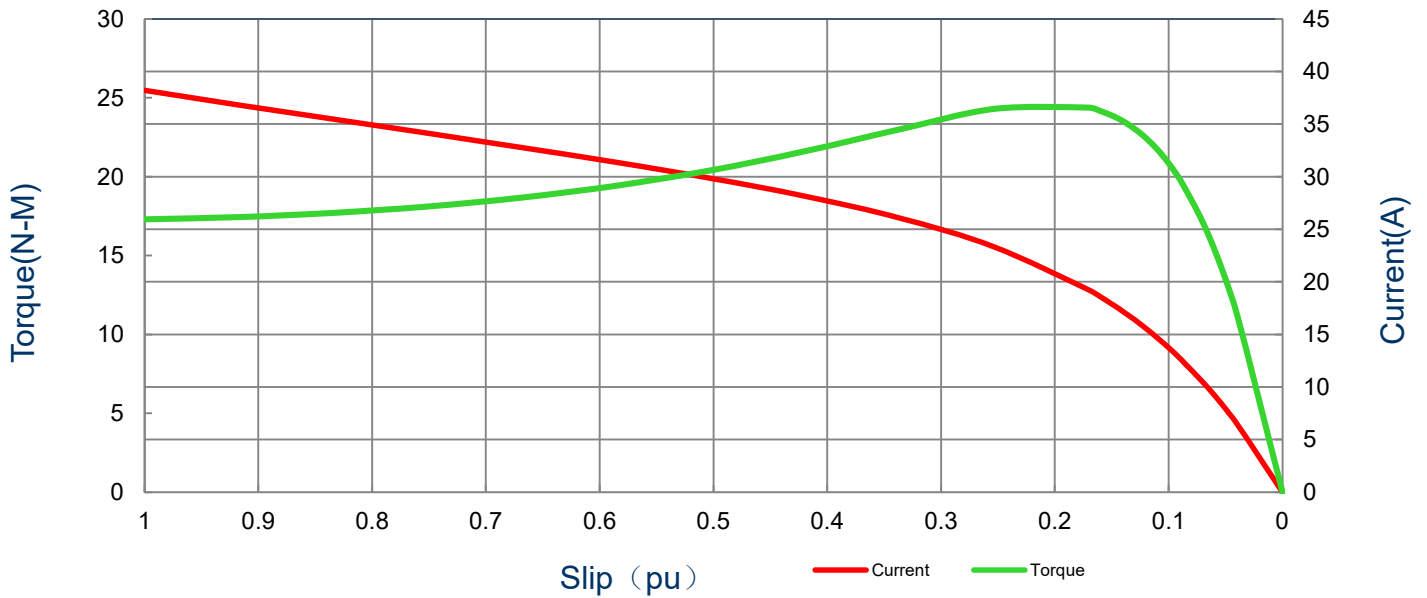
SPEED TORQUE/CURRENT CURVE

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	3	2	3474	100L	230/460	60	3	10.3/5.17
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				Pull Up (%)	Break Down (%)	
		Full Load (N-m)	Locked Rotor (%)					
38.2	0.00527	8.25	209.7		209.7		286.8	

Current vs Slip Curve and Torque vs Slip Curve



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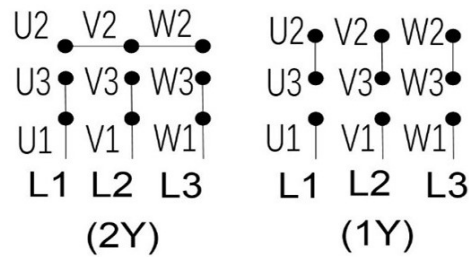
Motor Connection Diagram

Model: MEGP00032E2TBL

Serie: IEC Graphene

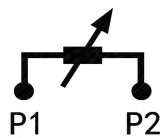
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
4	3	2	3474	100L	230/460	60	3	10.3/5.17
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-87.5	N	-	40

9 Leads Connection Diagram



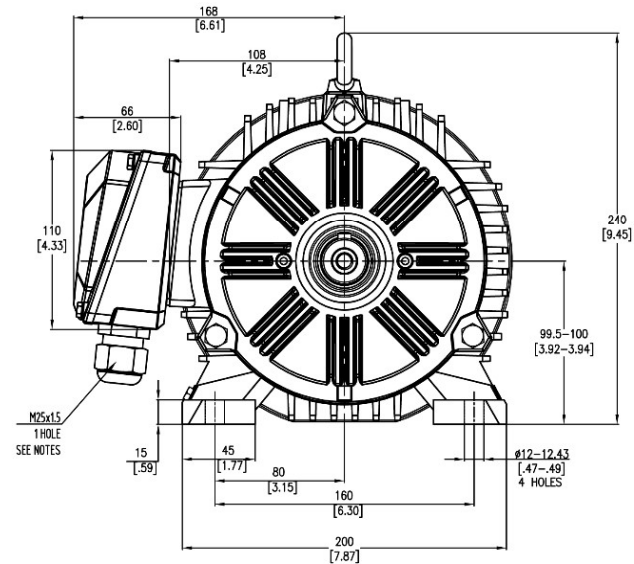
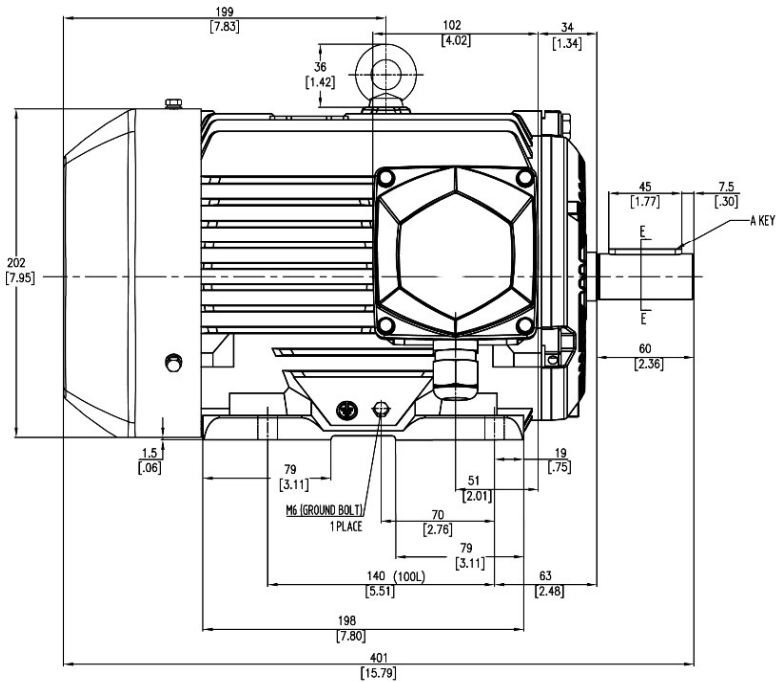
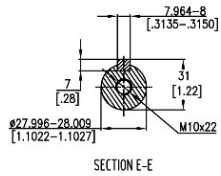
Y- Only Start

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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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED						X CERTIFIED					
				TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR		Drawing #:		MEGP00032E2TBL			
						Rev. Date:		11/14/2022		Rev. #: 0	
						Standard:		IEC-60034		Mount.: IMB3	
				Frame		100L		LHS		Per.:	