



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00452D3TBL

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
60	45	2	3560	225M	230/380/460	60	3	142/82.1/70.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-93.6	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60	45	67.9	94.3	92.2
¾ Load	45	33.75	52.0	94.3	90.4
½ Load	30	22.5	37.0	93.8	85.1
¼ Load	15	11.25	24.1	91.3	67.2
No Load			15.7		37.6
Locked Rotor			474.0		0.4

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
121	245.0	242.3	352.0	0.28

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
2 Cold or 1 Hot	-	6312 C3	6312 C3	323

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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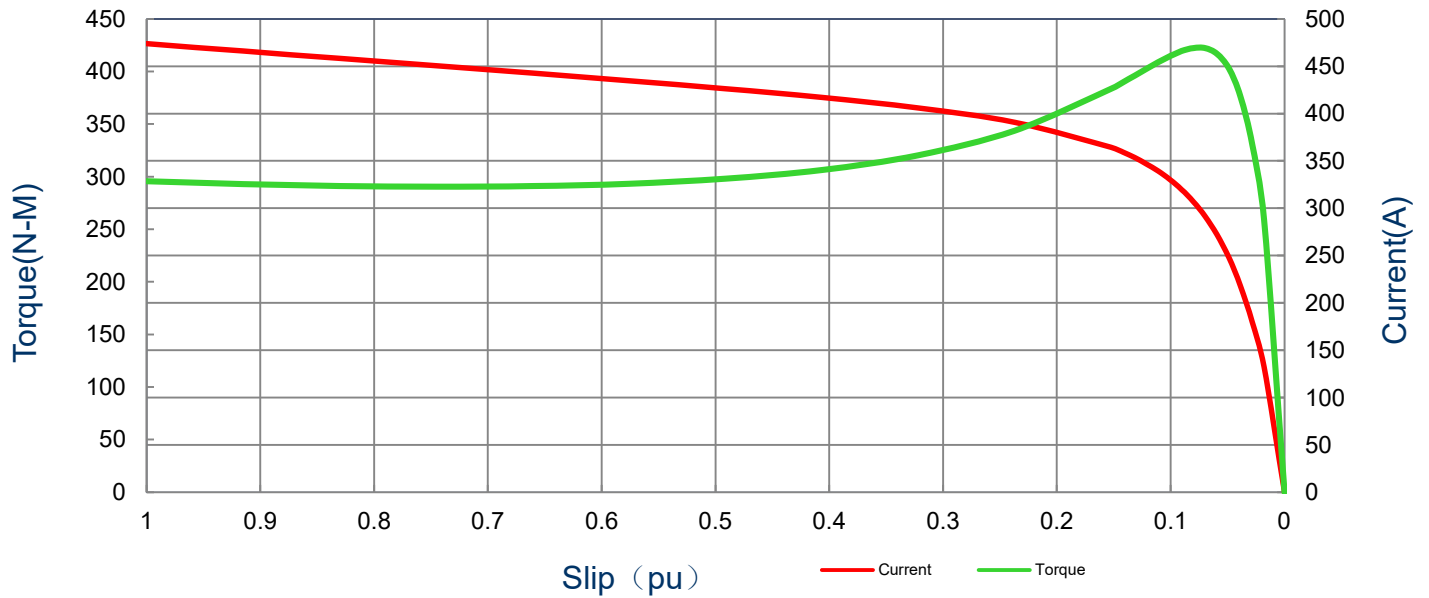
SPEED TORQUE/CURRENT CURVE

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	2	3560	225M	230/380/460	60	3	142/82.1/70.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-93.6	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
474	0.28	121	245.0	242.3	352.0			

Current vs Slip Curve and Torque vs Slip Curve



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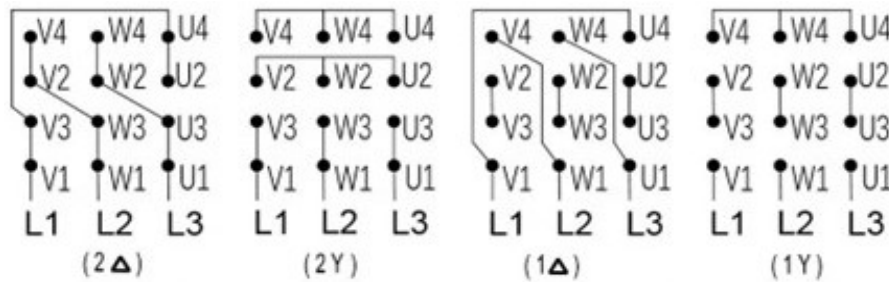
Motor Connection Diagram

Model: MEGP00452D3TBL

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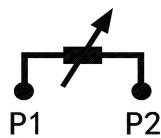
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	2	3560	225M	230/380/460	60	3	142/82.1/70.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-93.6	N	-	40

12 Leads Connection Diagram



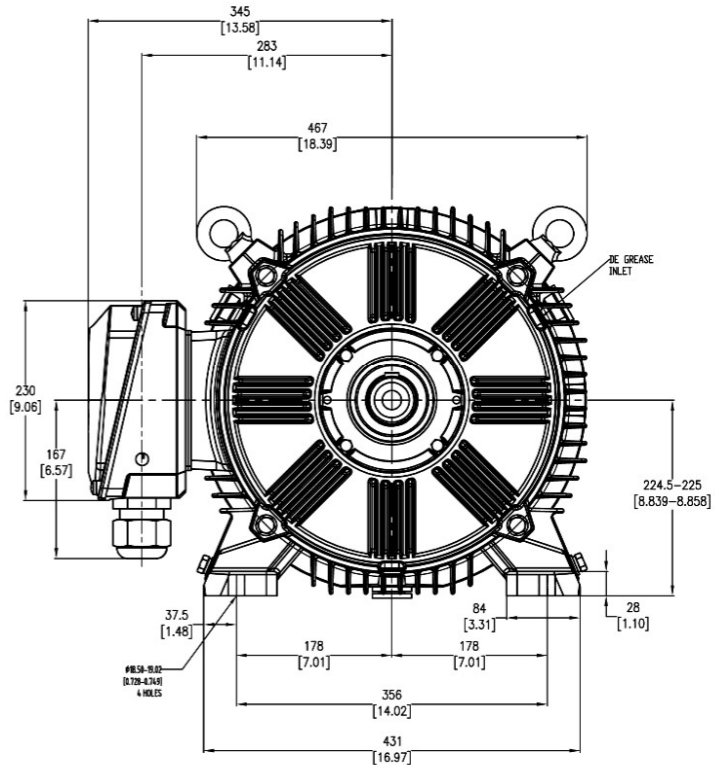
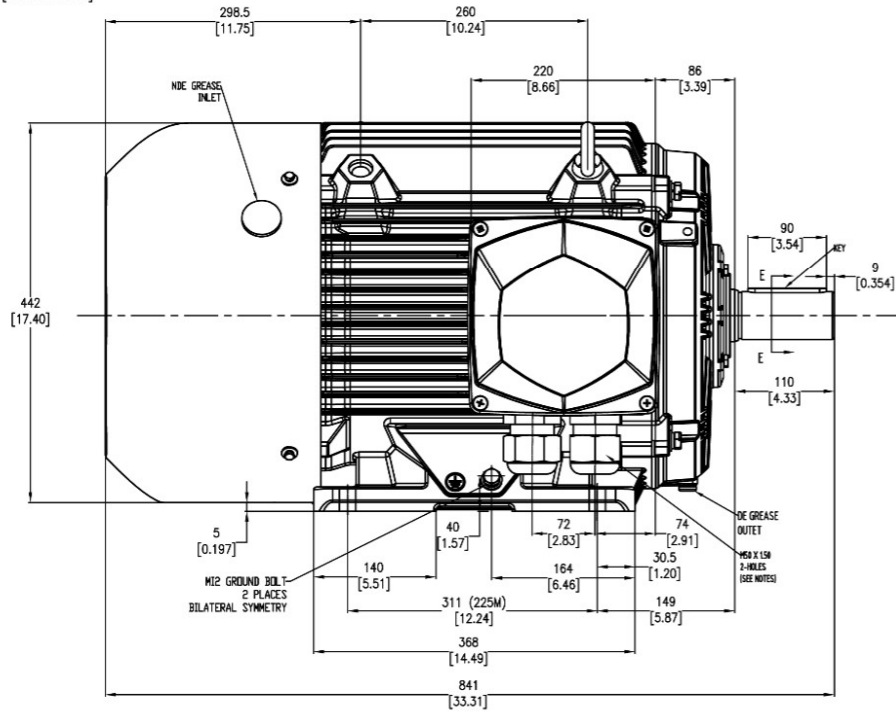
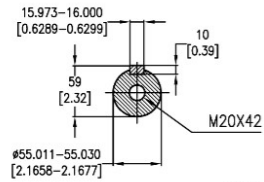
Y- Only Start

PTC Diagram



All characteristics are average expected values.

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Units: mm (in)		PROPRIETARY INFORMATION We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authorization is strictly forbidden. Offenders will be held liable for payment of damages.	Notes:		
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 #: MEGP00452D3TBL	
				Rev. Date: 11/14/2022 Rev. #: 0	
				Standard: IEC-60034 Mount.: IMB3	
		Frame 225M LHS		Per.: LD	