



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00306D2TBL

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
40	30	6	1176	225M	230/380/460	60	3	103.2/59.8/51.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.0	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	40	30	49.7	93.4	84.7
¾ Load	30	22.5	38.9	93.6	81.1
½ Load	20	15	29.2	93.0	72.4
¼ Load	10	7.5	21.7	90.0	50.5
No Load			18.9		25.7
Locked Rotor			360.9		0.3

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
243.6	202.2	146.6	243.5	0.96248

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
35.1/14.3	-	6313/C3	6312/C3	312

*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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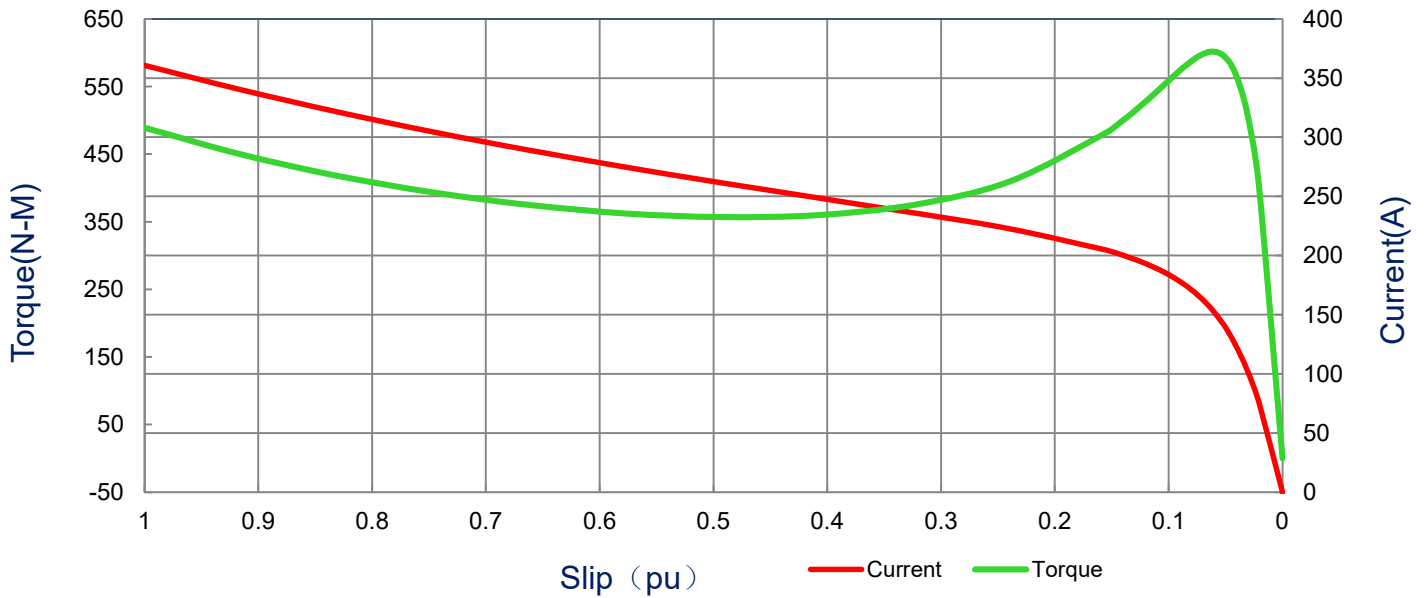
SPEED TORQUE/CURRENT CURVE

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40	30	6	1176	225M	230/380/460	60	3	103.2/59.8/51.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.0	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
360.9	0.96248	243.6	202.2	146.6	243.5			

Current vs Slip Curve and Torque vs Slip Curve



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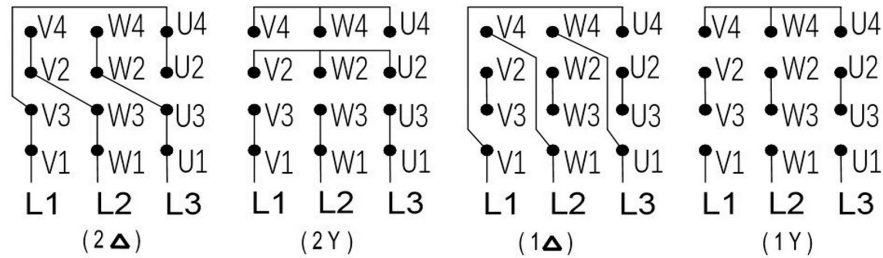
Motor Connection Diagram

Model: MEGP00306D2TBL

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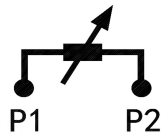
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
40	30	6	1176	225M	230/380/460	60	3	103.2/59.8/51.6
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.0	N	-	40

12 Leads Connection Diagram



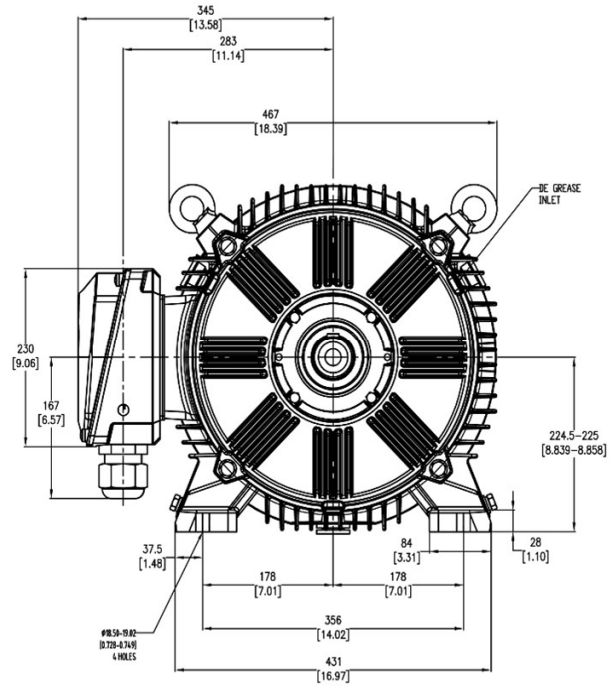
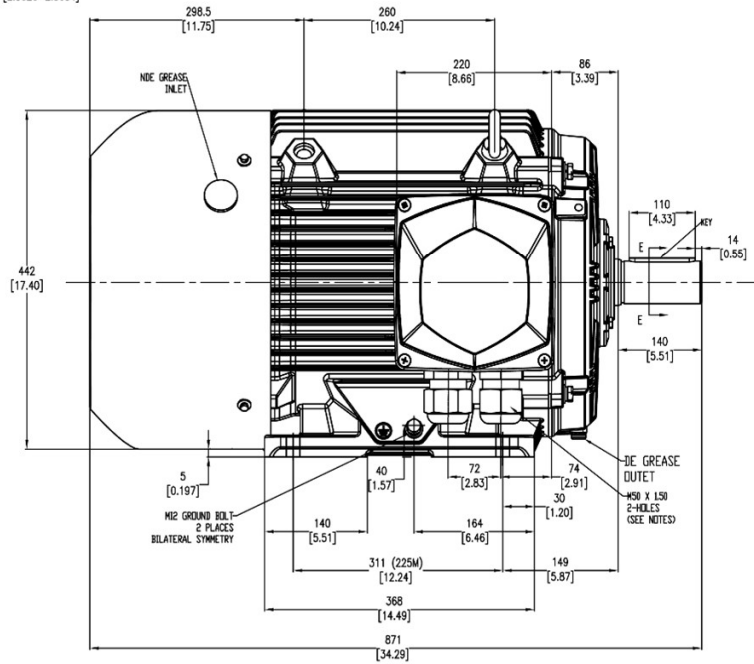
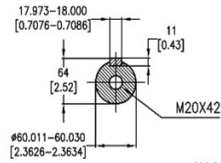
Y- Only Start

PTC Diagram



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Units: mm (in)	
ROTATION FROM DE	
CCW	CW
	X

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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 225M LHS

Drawing #:	MEGP00306D2TBL		
Rev. Date:	11/14/2022	Rev. #:	0
Standard:	IEC-60034	Mount.:	IMB3
Per.:	LD		