



### TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00454D2TBL

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	4	1776	225M	230/380/460	60	3	147/84.9/73.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.6	N	-	40

\* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60	45	70.3	94.3	89.0
¾ Load	45	33.75	53.5	94.6	87.4
½ Load	30	22.5	38.1	94.5	82.0
¼ Load	15	11.25	25.1	92.5	63.5
No Load			20.0		34.4
Locked Rotor			479.0		0.3

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
242	210.2	150.7	224.1	0.52839

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
35.1/16.4	-	6313/C3	6312/C3	320

\*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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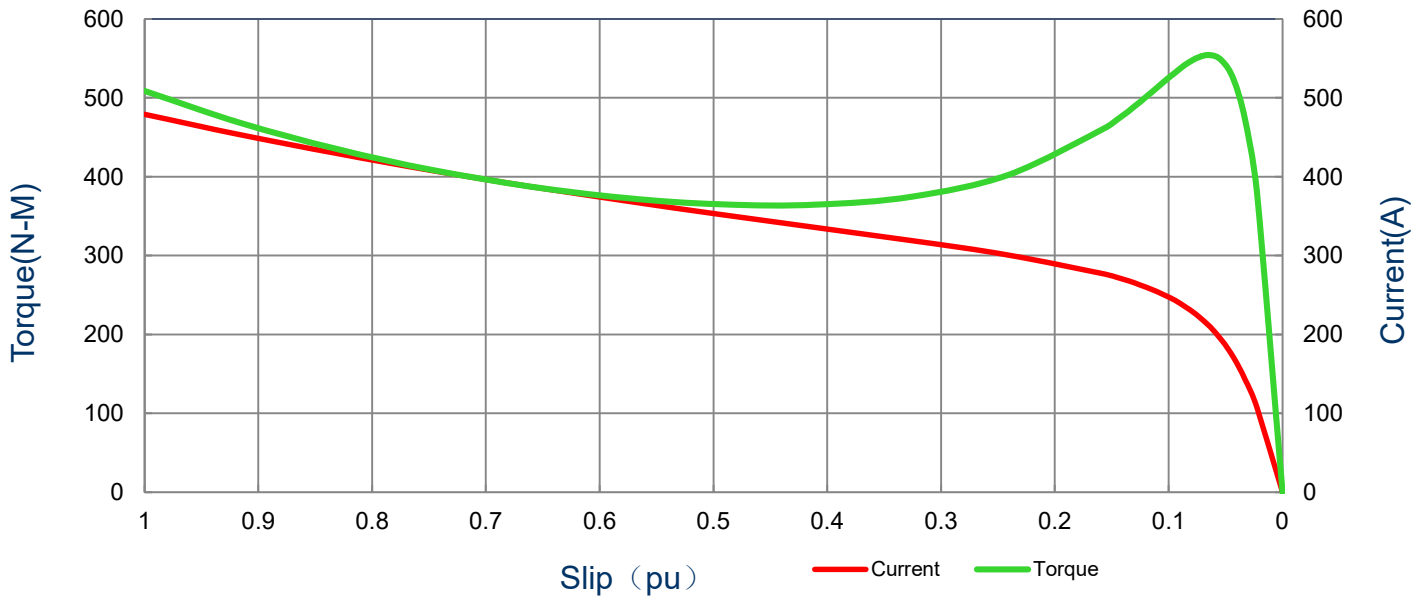
### SPEED TORQUE/CURRENT CURVE

Model: MEGP00454D2TBL

Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1776	225M	230/380/460	60	3	147/84.9/73.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.6	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (N-m)	Locked Rotor (%)					
479	0.52839	242	210.2		150.7	224.1		

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

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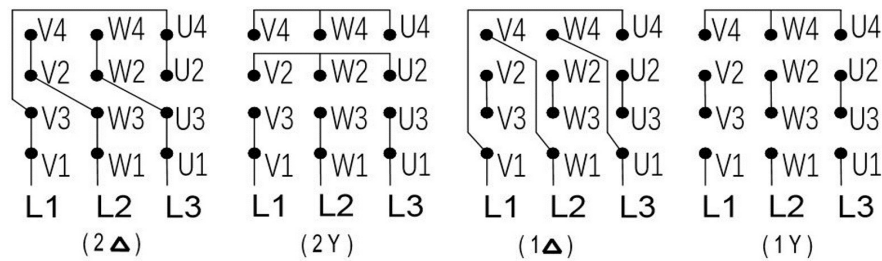
## Motor Connection Diagram

Model: MEGP00454D2TBL

Serie: IEC Graphene

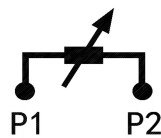
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	4	1776	225M	230/380/460	60	3	147/84.9/73.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.6	N	-	40

### 12 Leads Connection Diagram



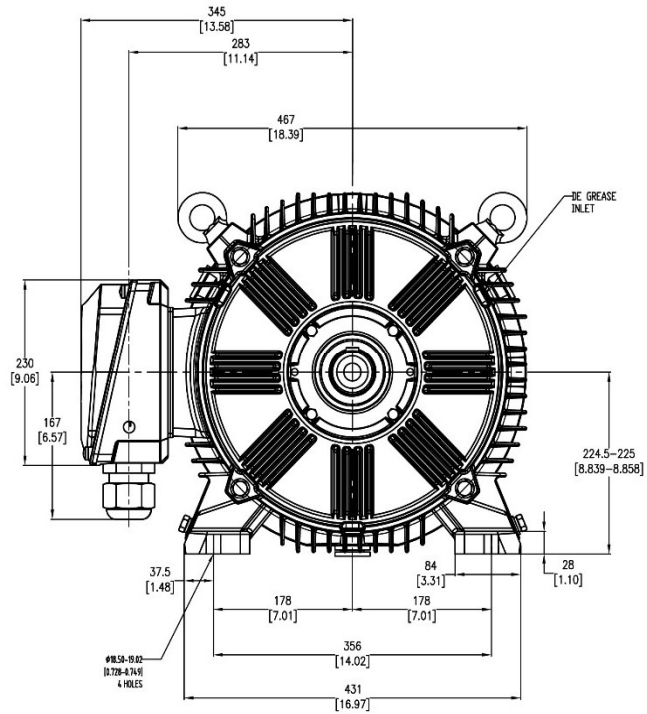
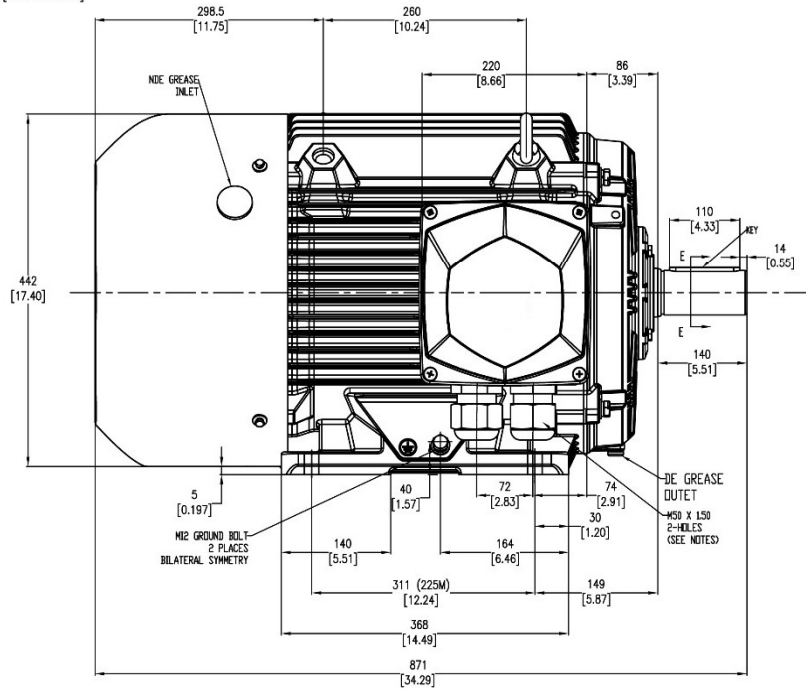
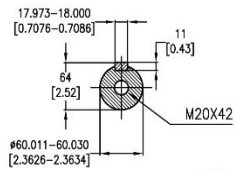
### Y- Only Start

### PTC Diagram



All characteristics are average expected values.

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<b>ROTATION FROM DE</b>			1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS		
<b>CCW</b>	<b>CW</b>		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION		
			AVAILABLE ONLY BY CONNECTION CHANGE.		
	<b>X</b>				
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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED			X	CERTIFIED	
<h1>Tashida</h1>	<b>TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR</b>		<b>Drawing #:</b>	<b>MEGP00454D2TBL</b>	
			<b>Rev. Date:</b>	11/14/2022	<b>Rev. #:</b> 0
			<b>Standard:</b>	IEC-60034	<b>Mount.:</b> IMB3
	<b>Frame</b>	<b>225M</b>	<b>LHS</b>	<b>Per.:</b>	<b>LD</b>