



### TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00372D3TBL

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
50	37	2	3564	200L	230/380/460	60	3	117.3/67.9/58.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-93.0	N	-	40

\* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	50	37	56.4	93.8	91.8
¾ Load	37.5	27.75	43.4	93.7	89.5
½ Load	25	18.5	31.2	93.2	83.5
¼ Load	12.5	9.25	20.8	90.5	64.5
No Load			16.6		33.4
Locked Rotor			448.5		0.3

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
99.1	233.8	231.2	358.2	0.22

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
2 Cold or 1 Hot	-	6312/2Z C3	6212/2Z C3	271

\*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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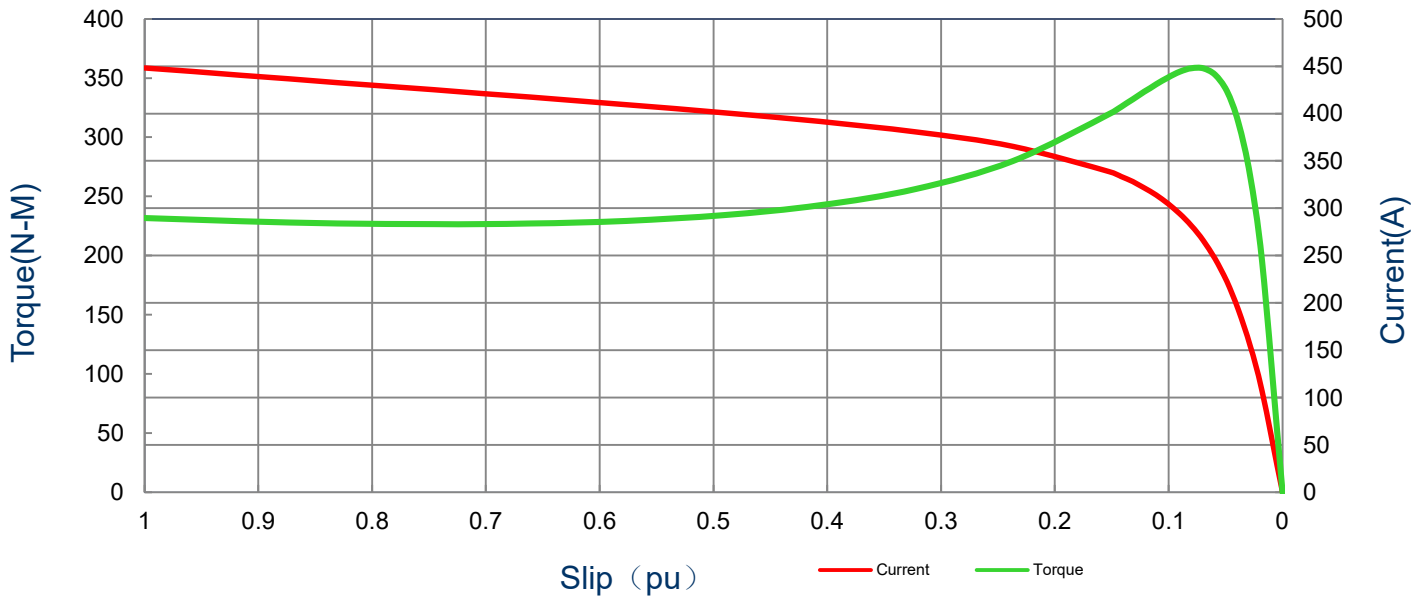
### SPEED TORQUE/CURRENT CURVE

Model: MEGP00372D3TBL

Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	2	3564	200L	230/380/460	60	3	117.3/67.9/58.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-93.0	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
448.47	0.22	99.1	233.8	231.2	358.2			

Current vs Slip Curve and Torque vs Slip Curve



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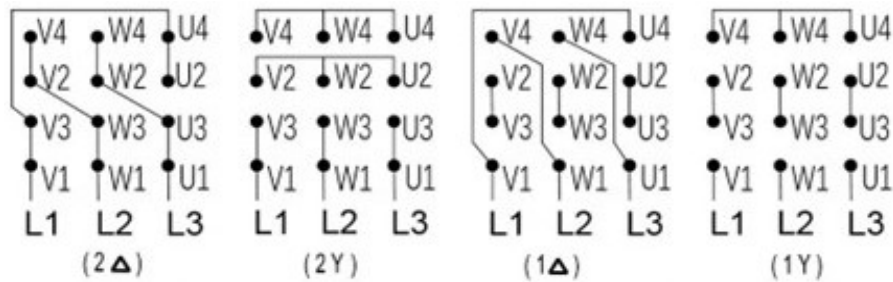
## Motor Connection Diagram

Model: MEGP00372D3TBL

Serie: IEC Graphene

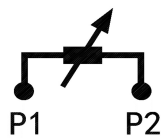
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	2	3564	200L	230/380/460	60	3	117.3/67.9/58.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-93.0	N	-	40

### 12 Leads Connection Diagram



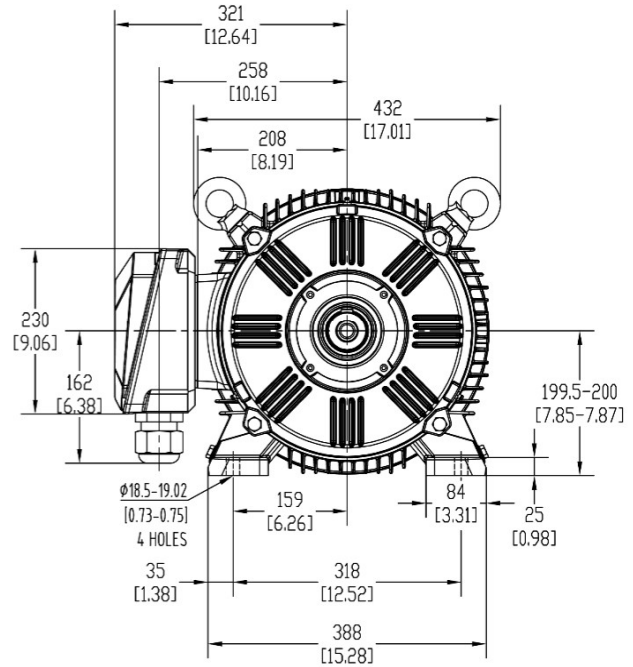
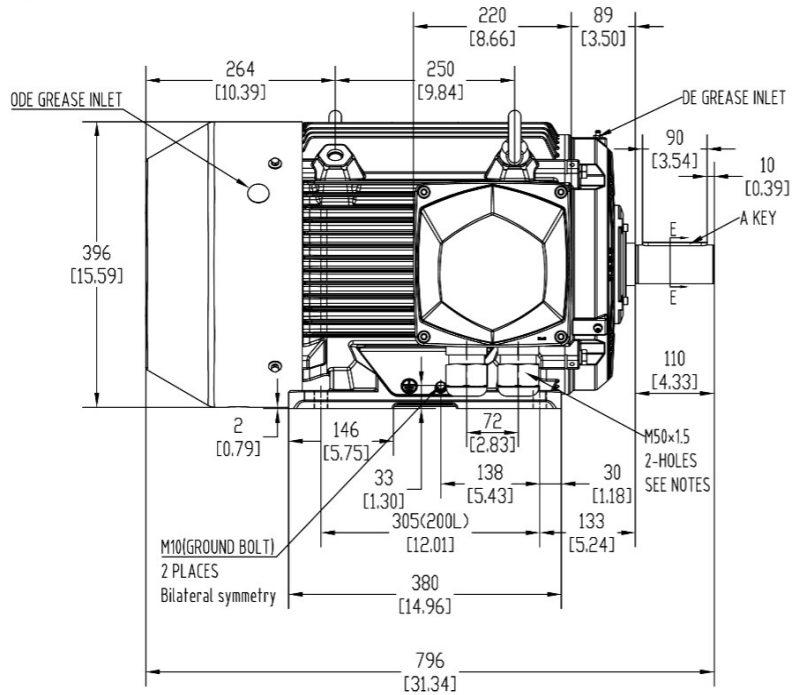
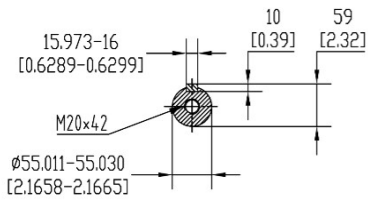
Y- Only Start

### 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> MEGP00372D3TBL	
				<b>Rev. Date:</b> 11/14/2022 <b>Rev. #:</b> 0	
				<b>Standard:</b> IEC-60034 <b>Mount.:</b> IMB3	
		<b>Frame</b>	<b>200L</b>	<b>LHS</b>	<b>Per.:</b> LD