



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00374D3TBL

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	4	1785	225S	230/380/460	60	3	119/69.1/59.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-94.5	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	50	37	59.7	94.5	86.0
¾ Load	37.5	27.75	46.5	94.5	84.9
½ Load	25	18.5	34.4	94.2	76.5
¼ Load	12.5	9.25	34.8	92.2	54.7
No Load			19.2		6.2
Locked Rotor			59.7		0.3

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
198	200.0	187.1	230.0	0.62

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
18.2/44.6	-	6313 C3	6312 C3	299

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

Included Accessories:
PTC Thermistor

All characteristics are average expected values.

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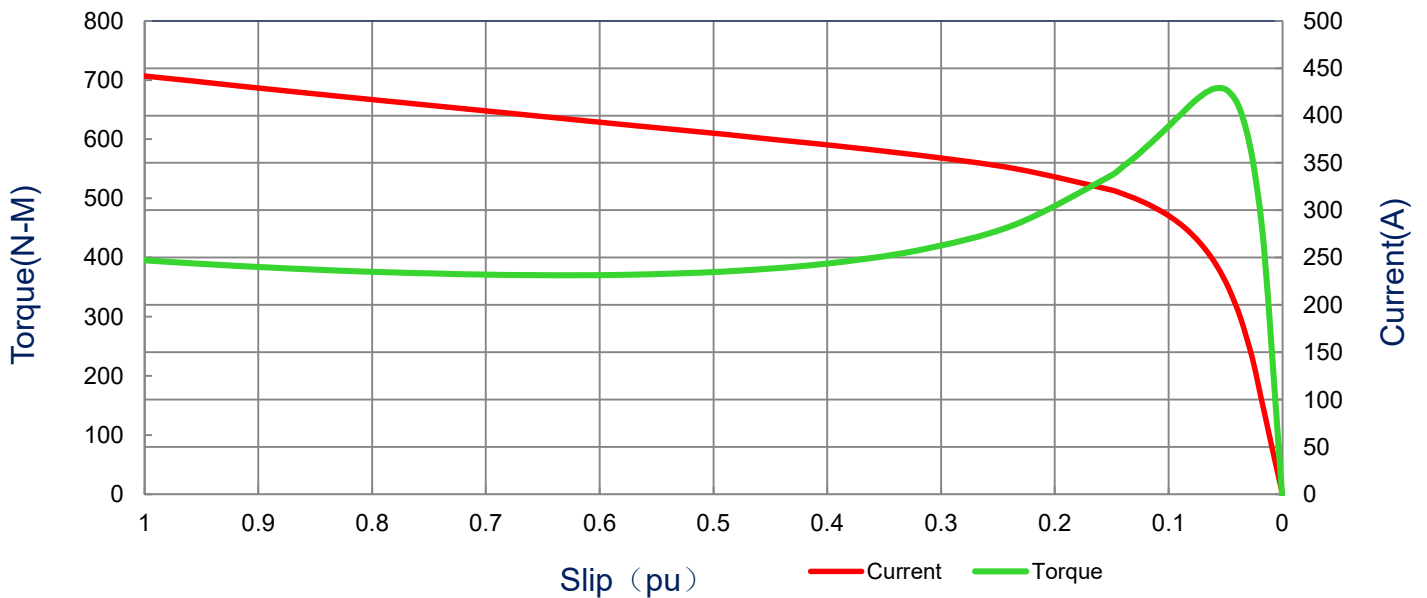
SPEED TORQUE/CURRENT CURVE

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	4	1785	225S	230/380/460	60	3	119/69.1/59.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-94.5	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
59.7	0.62	198	200.0	187.1	230.0			

Current vs Slip Curve and Torque vs Slip Curve



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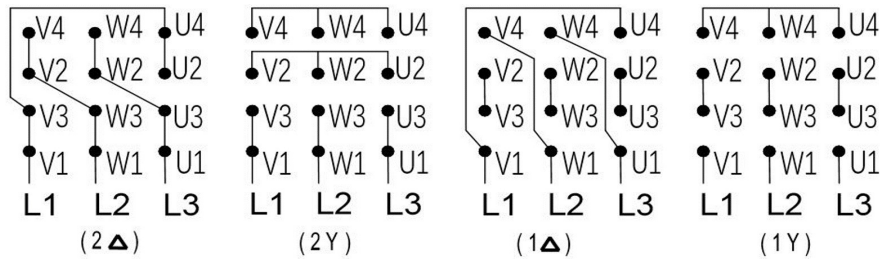
Motor Connection Diagram

Model: MEGP00374D3TBL

Serie: IEC Graphene

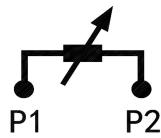
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
50	37	4	1785	225S	230/380/460	60	3	119/69.1/59.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-94.5	N	-	40

12 Leads Connection Diagram



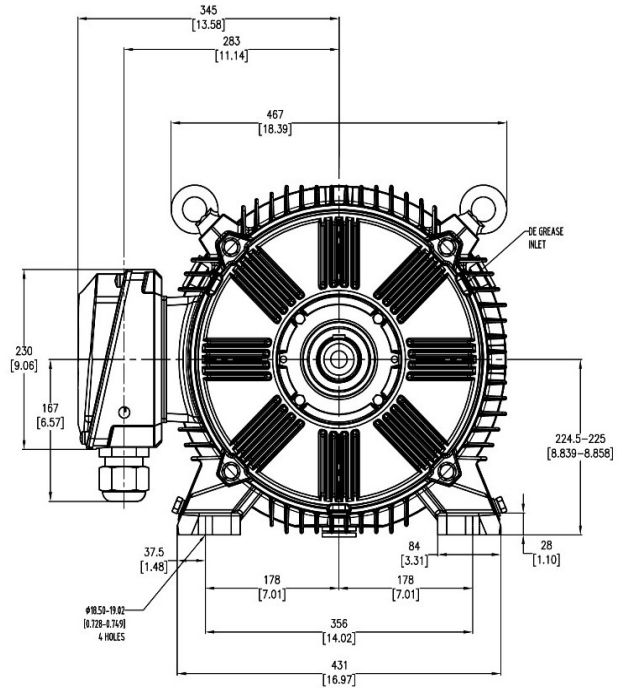
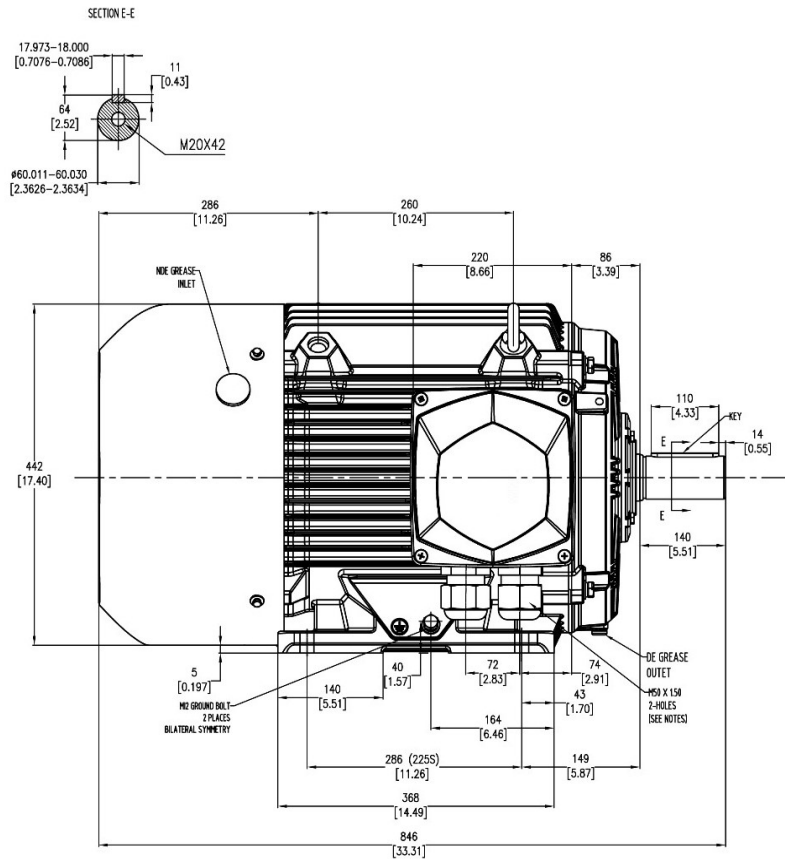
Y- Only Start



PTC Diagram



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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	TASHIDA RESERVES THE RIGHT TO MAKE CHANGES OF TECHNICAL IMPROVEMENT AND THE DATA MAY CHANGE WITHOUT NOTICE				PRELIMINARY			
DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED						X CERTIFIED			
<h1>Tashida</h1>		TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR			Drawing #:		MEGP00374D3TBL		
					Rev. Date:		11/14/2022	Rev. #:	
		Standard:		IEC-60034		Mount.:		IMB3	
		Frame	225S	LHS	Per.:	LD			