



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP18X54D2TBL

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
25	18.5	4	1764	180M	230/380/460	60	3	61.8/35.8/30.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-92.4	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	25	18.5	29.4	92.8	89.0
¾ Load	18.75	13.875	22.9	93.0	85.5
½ Load	12.5	9.25	17.0	92.5	77.4
¼ Load	6.25	4.625	12.2	89.4	55.7
No Load			10.4		29.2
Locked Rotor			243.0		0.3

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
100	218.5	217.5	331.1	0.10543

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
20.7/8.4	-	6310/2Z C3	6308/2Z C3	165

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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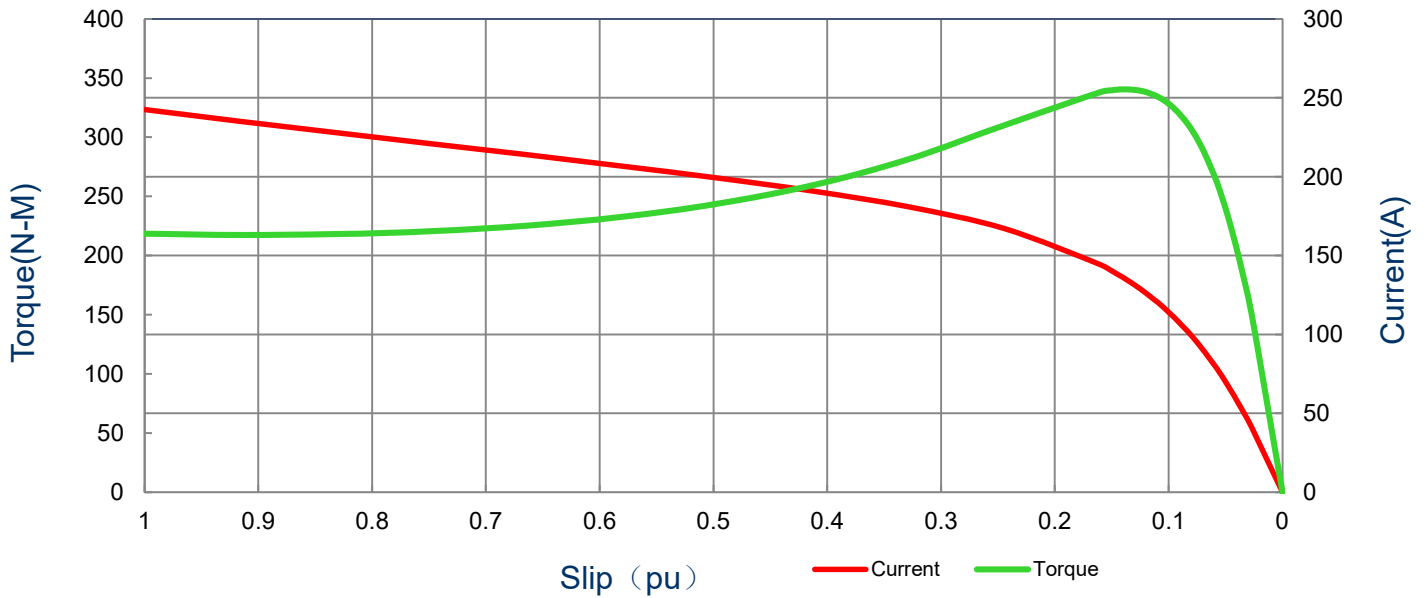
SPEED TORQUE/CURRENT CURVE

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25	18.5	4	1764	180M	230/380/460	60	3	61.8/35.8/30.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-92.4	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
243	0.10543	100	218.5	217.5	331.1			

Current vs Slip Curve and Torque vs Slip Curve



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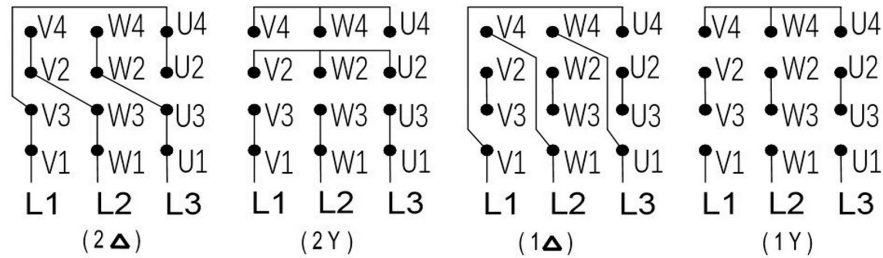
Motor Connection Diagram

Model: MEGP18X54D2TBL

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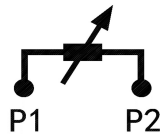
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	4	1764	180M	230/380/460	60	3	61.8/35.8/30.9
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-92.4	N	-	40

12 Leads Connection Diagram



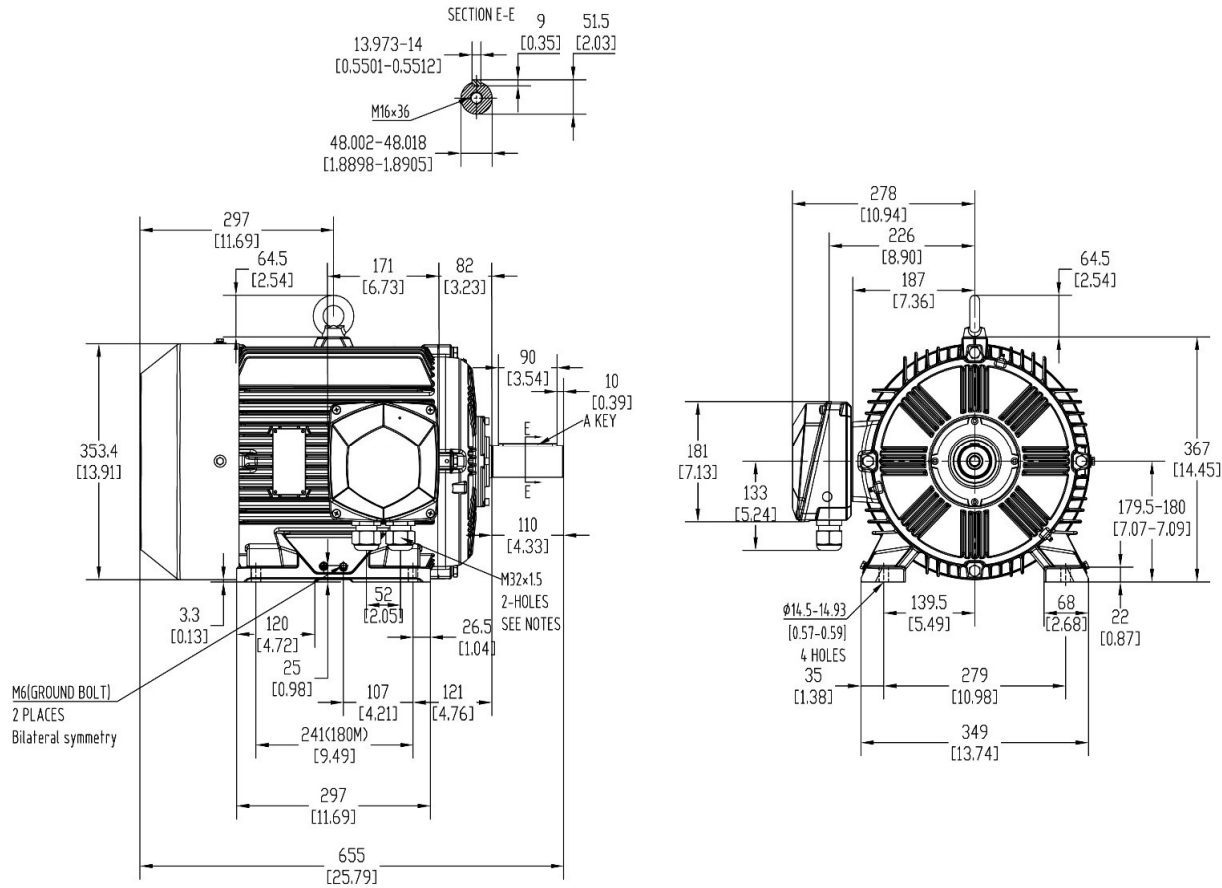
Y- Only Start



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		
<h1>Tashida</h1>		TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR		Drawing #: MEGP18X54D2TBL	
				Rev. Date: 11/14/2022	
				Rev. #: 0	
				Standard: IEC-60034	
		Mount.: IMB3			
		Per.:		LD	