



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP05X54D3TBL

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
7.5	5.5	4	1752	132S	230/380/460	60	3	18.96/10.98/9.48
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-91.7	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	7.5	5.5	9.5	91.7	83.1
¾ Load	5.625	4.125	7.7	91.9	76.9
½ Load	3.75	2.75	6.1	91.1	64.9
¼ Load	1.875	1.375	4.9	87.0	41.9
No Load			4.5		20.0
Locked Rotor			76.9		0.2

Torque				Rotor Inertia (Kg-m ²)
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	
30	238.2	238.3	378.4	0.032

Safe Stall Time(s) Cold / Hot	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
19.8/8.1	-	6208/2Z C3	6305/2Z C3	69

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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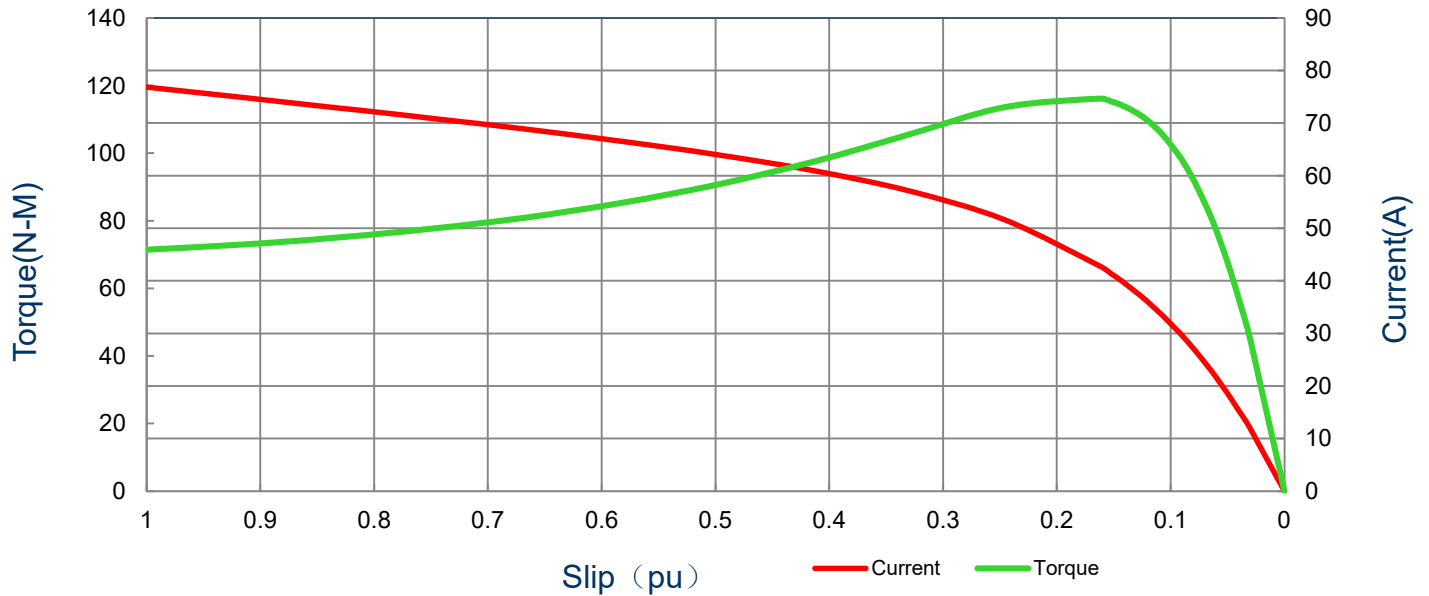
SPEED TORQUE/CURRENT CURVE

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7.5	5.5	4	1752	132S	230/380/460	60	3	18.96/10.98/9.48
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-91.7	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
76.88	0.032	30	238.2	238.3	378.4			

Current vs Slip Curve and Torque vs Slip Curve



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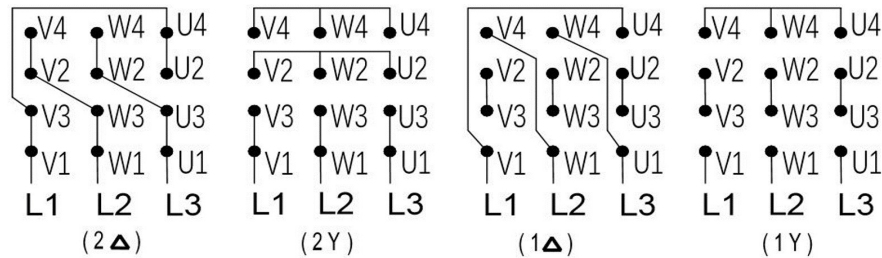
Motor Connection Diagram

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Serie: IEC Graphene

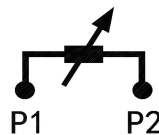
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
7.5	5.5	4	1752	132S	230/380/460	60	3	18.96/10.98/9.48
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-91.7	N	-	40

12 Leads Connection Diagram



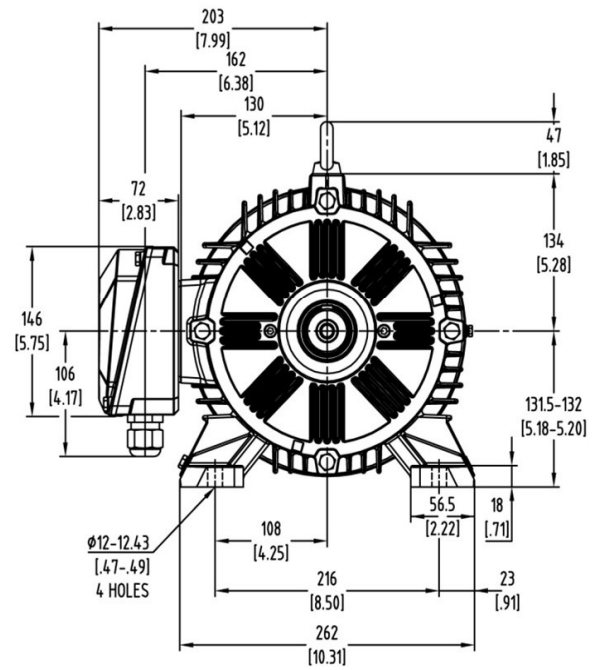
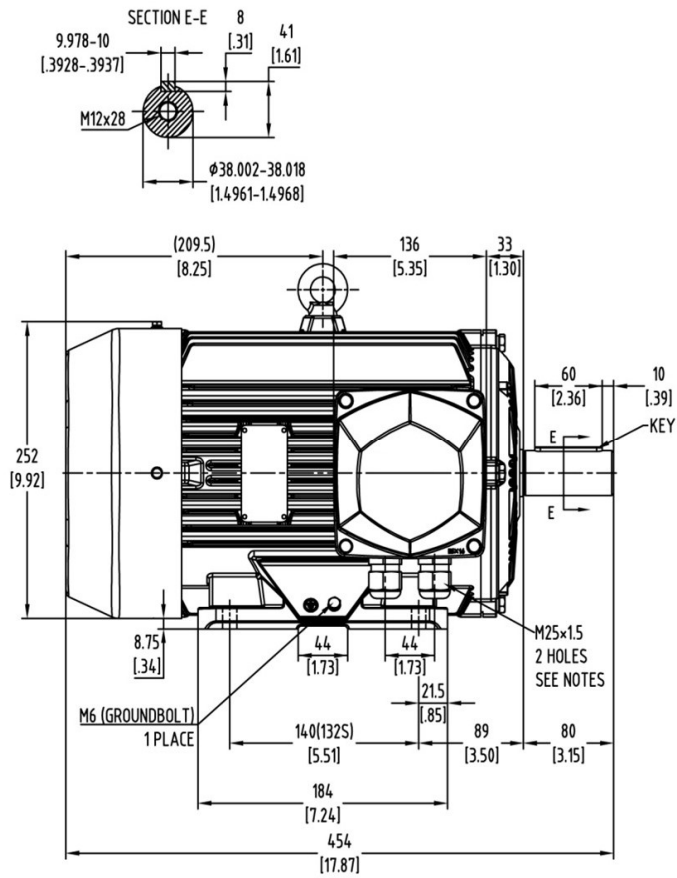
Y- Only Start



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			

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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			Drawing #:		MEGP05X54D3TBL		
			Rev. Date:		11/14/2022	Rev. #:	0
			Standard:		IEC-60034	Mount.:	IMB3
Frame	132S	LHS	Per.:	LD			