



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP02X24E3TBL

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
3	2.2	4	1734	100L	230/460	60	3	7.96/3.98
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-89.5	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	3	2.2	4.0	89.5	81.7
¾ Load	2.25	1.65	3.2	90.3	74.5
½ Load	1.5	1.1	2.6	90.0	61.2
¼ Load	0.75	0.55	2.2	86.5	37.9
No Load			2.1		17.0
Locked Rotor			27.9		0.2

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
12.1	229.9	231.0	377.8	0.01

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
20.9/8.5	-	6206/2Z C3	6205/2Z C3	38

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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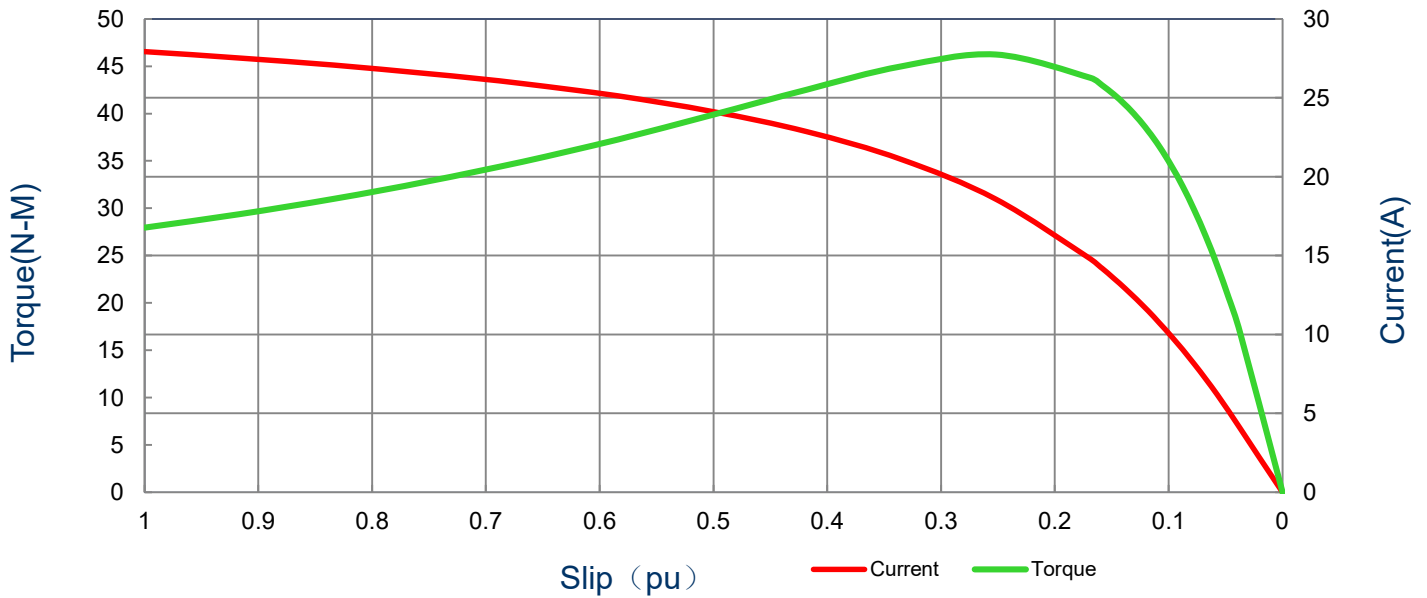
SPEED TORQUE/CURRENT CURVE

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Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-89.5	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque				Pull Up (%)	Break Down (%)	
		Full Load (N-m)	Locked Rotor (%)					
27.94	0.01	12.1	229.9		231.0		377.8	

Current vs Slip Curve and Torque vs Slip Curve



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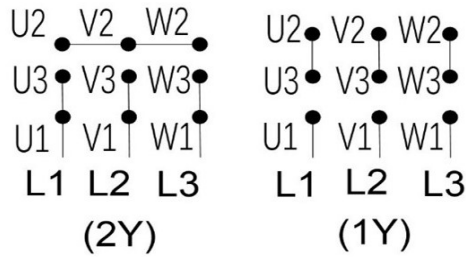
Motor Connection Diagram

Model: MEGP02X24E3TBL

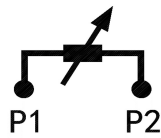
Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
3	2.2	4	1734	100L	230/460	60	3	7.96/3.98
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-89.5	N	-	40

9 Leads Connection Diagram

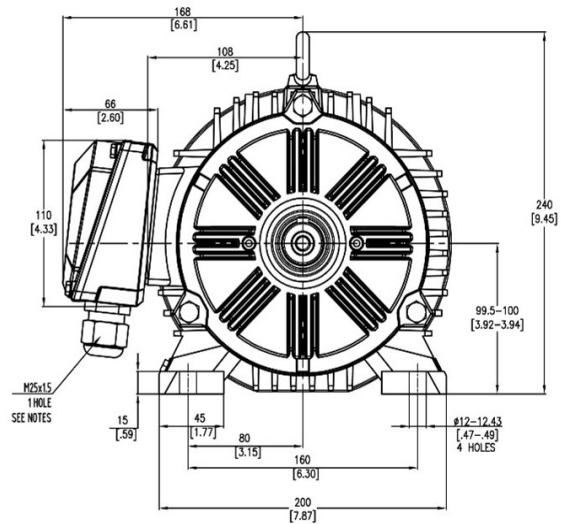
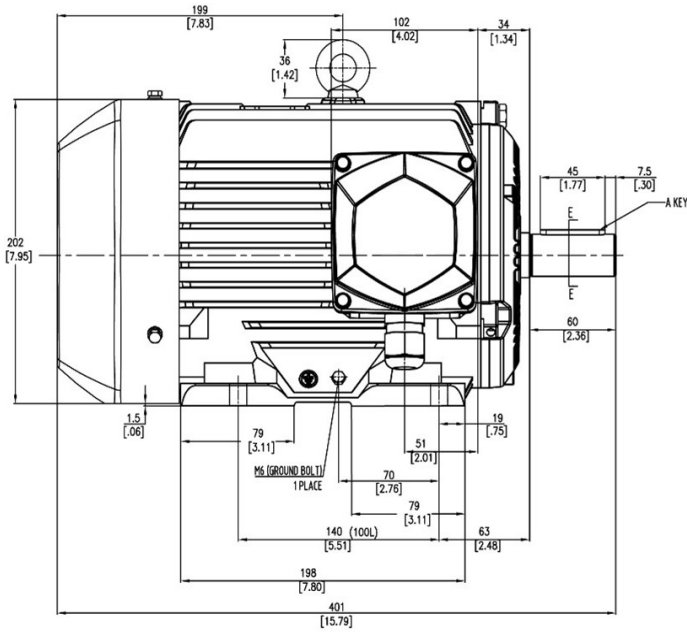
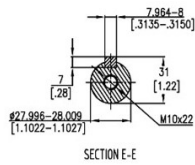


PTC Diagram



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Units: mm (in)	
ROTATION FROM DE	
CCW	CW
	X

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- Notes:**
1. MAIN CONDUIT BOX MAY BE ROTATED IN 90 DEGREE INCREMENTS
 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION AVAILABLE ONLY BY CONNECTION CHANGE.

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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 #:		MEGP02X24E3TBL		
			Rev. Date:		11/14/2022	Rev. #:	0
			Standard:		IEC-60034	Mount.:	IMB3
Frame	100L	LHS	Per.:	LD			