



### TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP18X52D3TBL

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	2	3516	160L	230/380/460	60	3	59.5/34.4/29.7
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	25	18.5	28.1	92.7	93.0
¾ Load	18.75	13.875	21.6	92.9	90.7
½ Load	12.5	9.25	15.4	92.5	85.2
¼ Load	6.25	4.625	10.1	89.7	67.0
No Load			7.9		35.9
Locked Rotor			265.5		0.4

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
50.2	165.7	166.2	371.8	0.063

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
2 Cold or 1 Hot	-	6309/2Z C3	6307/2Z C3	134

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

**Included Accessories:**  
PTC Thermistor

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MEGP18X52D3TBL
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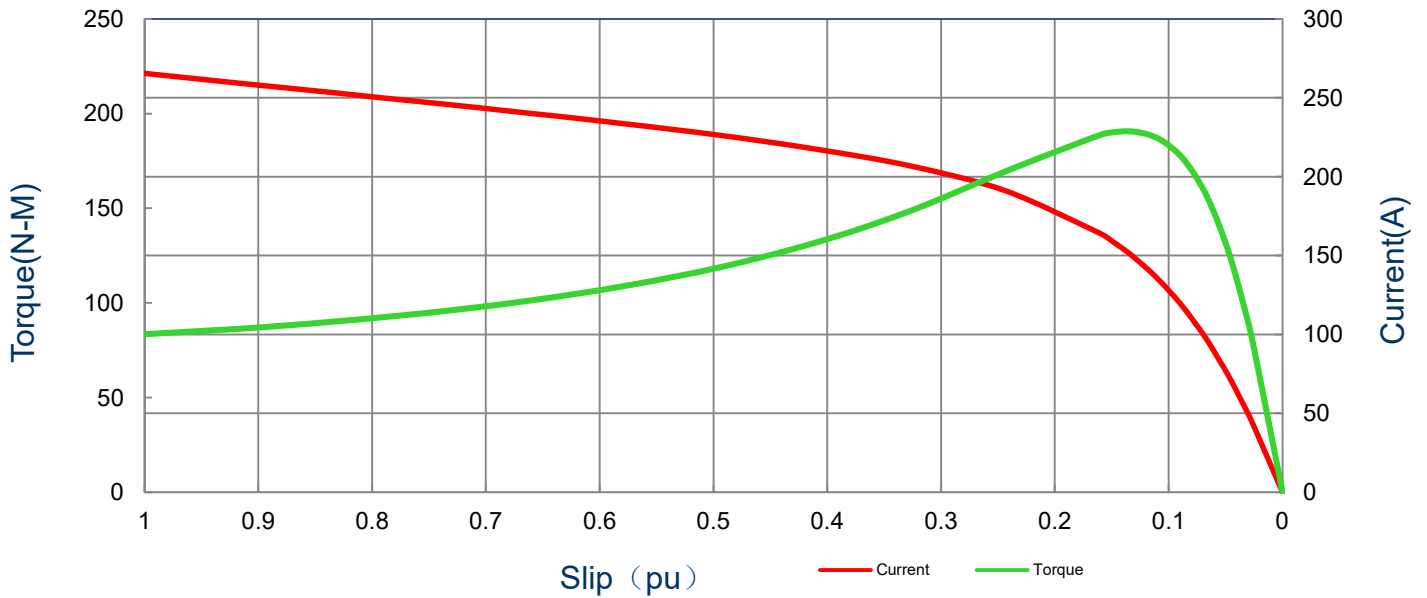
### SPEED TORQUE/CURRENT CURVE

Model: MEGP18X52D3TBL

Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	2	3516	160L	230/380/460	60	3	59.5/34.4/29.7
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				Pull Up (%)	Break Down (%)	
		Full Load (N-m)	Locked Rotor (%)					
265.52	0.063	50.2	165.7			166.2	371.8	

Current vs Slip Curve and Torque vs Slip Curve



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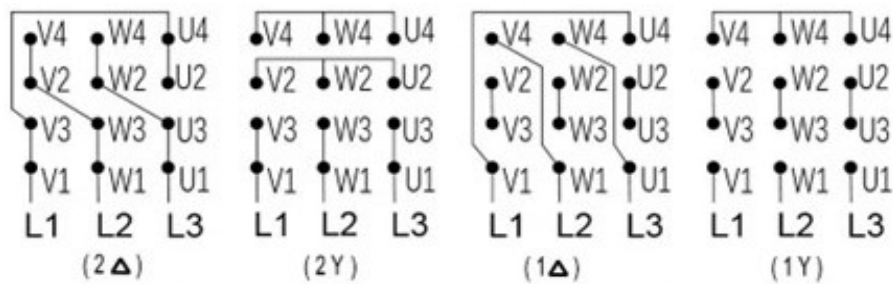
## Motor Connection Diagram

Model: MEGP18X52D3TBL

Serie: IEC Graphene

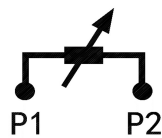
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
25	18.5	2	3516	160L	230/380/460	60	3	59.5/34.4/29.7
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-91.7	N	-	40

### 12 Leads Connection Diagram



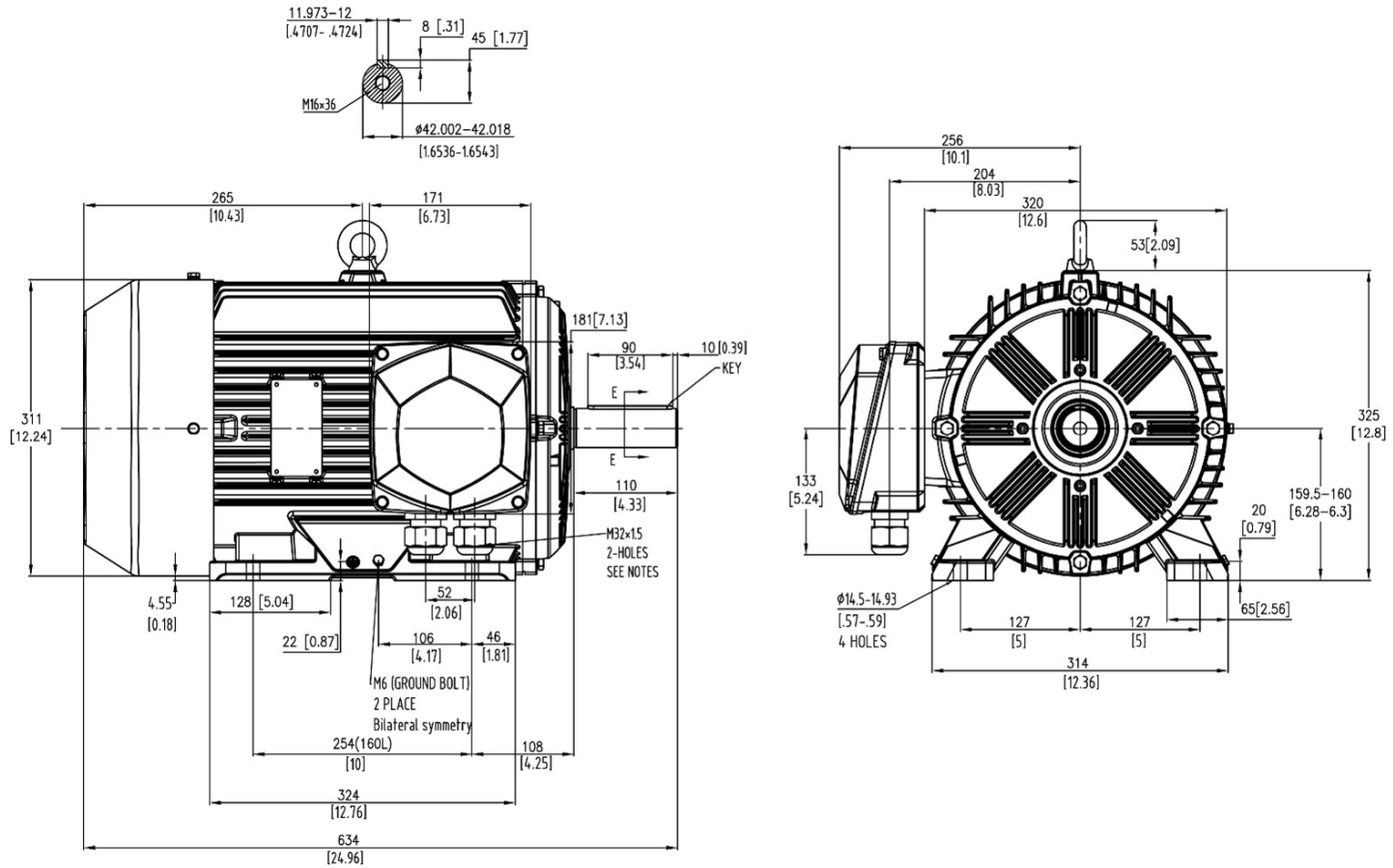
Y- Only Start



### PTC Diagram



All characteristics are average expected values.

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Engr. Date		Doc. Approved By		Doc. Issued	



<b>Units: mm (in)</b>		<b>PROPRIETARY INFORMATION</b> 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.	<b>Notes:</b>		
<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>				
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>		<b>TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR</b>		<b>Drawing #:</b> MEGP18X52D3TBL	
				<b>Rev. Date:</b> 11/14/2022	<b>Rev. #:</b> 0
		<b>Standard:</b> IEC-60034	<b>Mount.:</b> IMB3		
		<b>Frame:</b> 160L	<b>LHS</b>	<b>Per.:</b>	LD