



### TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00906D3TBL

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
120	90	6	1185	315M	230/380/460	60	3	288/166/144
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-95	N	-	40

\* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	120	90	144.0	95.2	86.4
¾ Load	90	67.5	111.0	95.2	83.8
½ Load	60	45	82.0	94.6	76.6
¼ Load	30	22.5	57.0	92.0	55.9
No Load			47.0		37.3
Locked Rotor			1153.0		0.4

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
725	305.0	119.6	312.0	4.2425

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
25.1/14.6	-	6319 C3	6319 C3	1095

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

#### Included Accessories:

PTC Thermistor

All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MEGP00906D3TBL
Engr. Date		Doc. Approved By		Doc. Issued	



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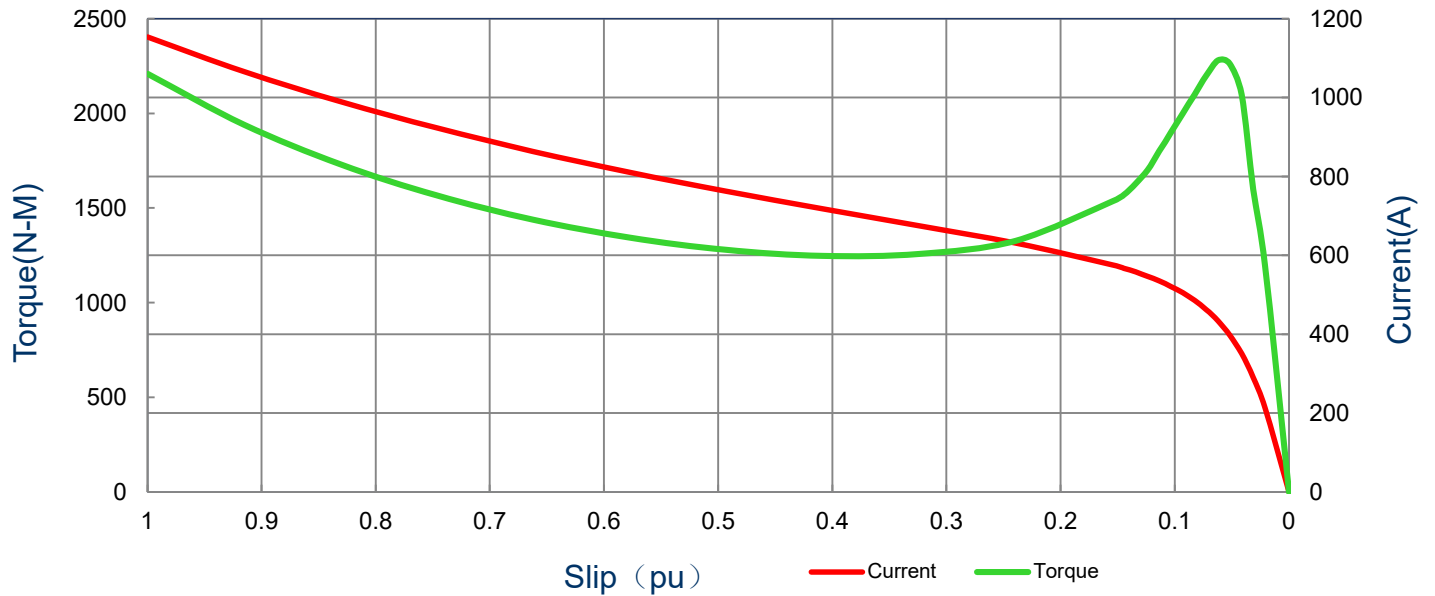
### SPEED TORQUE/CURRENT CURVE

Model: MEGP00906D3TBL

Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
120	90	6	1185	315M	230/380/460	60	3	288/166/144
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-95	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)		Break Down (%)		
1153	4.2425	725	305.0	119.6		312.0		

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

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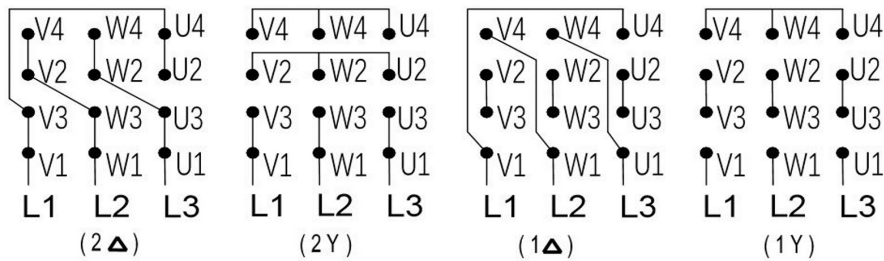
## Motor Connection Diagram

Model: MEGP00906D3TBL

Serie: IEC Graphene

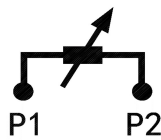
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
120	90	6	1185	315M	230/380/460	60	3	288/166/144
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-95	N	-	40

### 12 Leads Connection Diagram



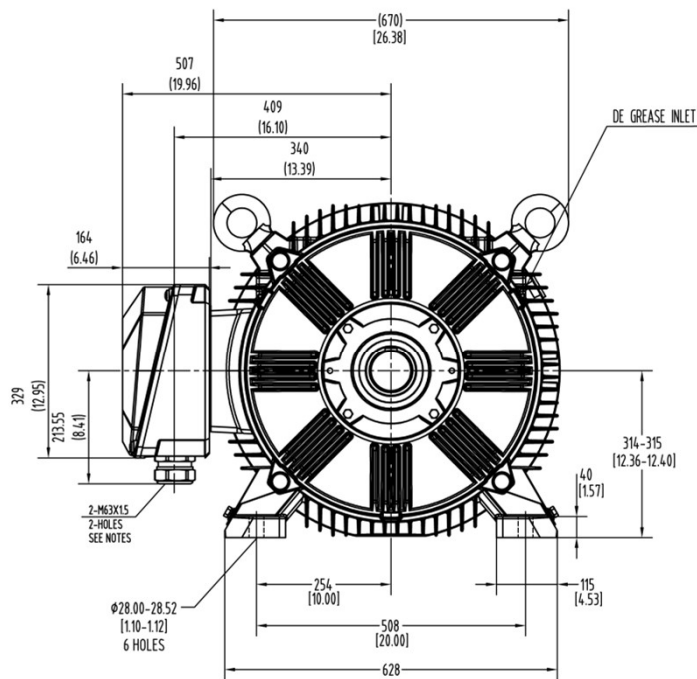
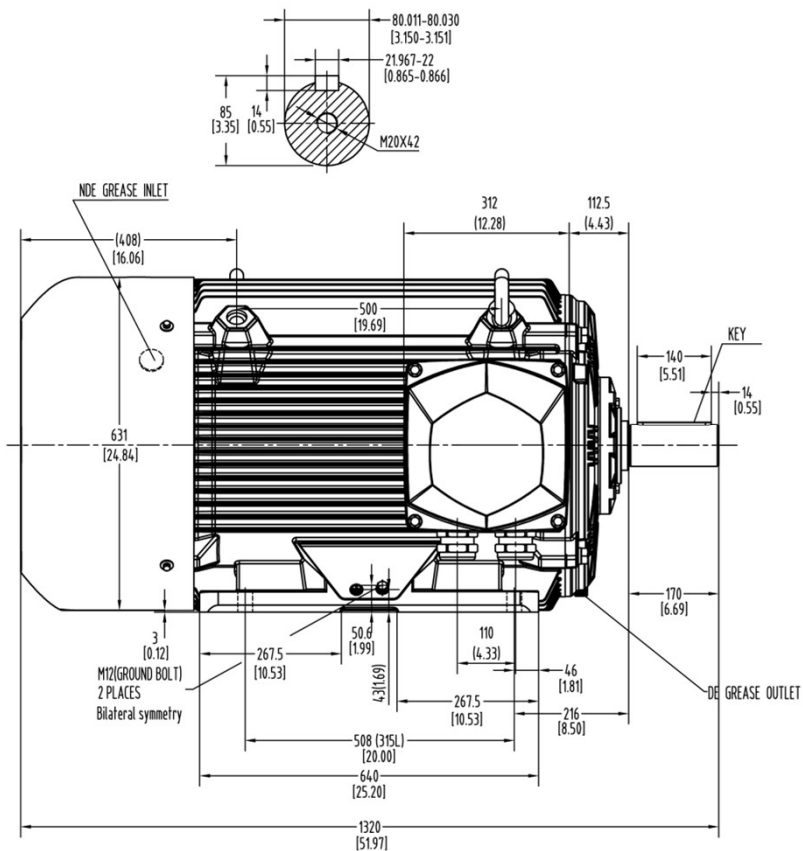
### Y- Only Start




### PTC Diagram



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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>				
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DO NOT USE FOR CONSTRUCTION, INSTALLATION, OR APPLICATION PURPOSES UNLESS THE DRAWING IS MARKED AS CERTIFIED			X	CERTIFIED	
		<b>TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR</b>		<b>Drawing #:</b> MEGP00906D3TB1	
				<b>Rev. Date:</b> 11/14/2022	
		<b>Standard:</b> IEC-60034		<b>Mount.:</b> IMB3	
		<b>Frame</b> 315M <b>LHS</b>		<b>Per.:</b> LD	