



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP01852F3TBL

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
250	185	2	3570	315L	460	60	3	273
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-95.8	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	250	185	273.0	95.8	92.9
¾ Load	187.5	138.75	209.0	95.6	91.3
½ Load	125	92.5	147.0	95.0	86.7
¼ Load	62.5	46.25	93.0	92.6	70.2
No Load			67.0		31.6
Locked Rotor			2007.0		0.3

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
493	232.0	214.4	350.0	2.1569

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
2 Cold or 1 Hot	-	6317 C3	6317 C3	1209

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

Included Accessories:
 PTC Thermistor

All characteristics are average expected values.

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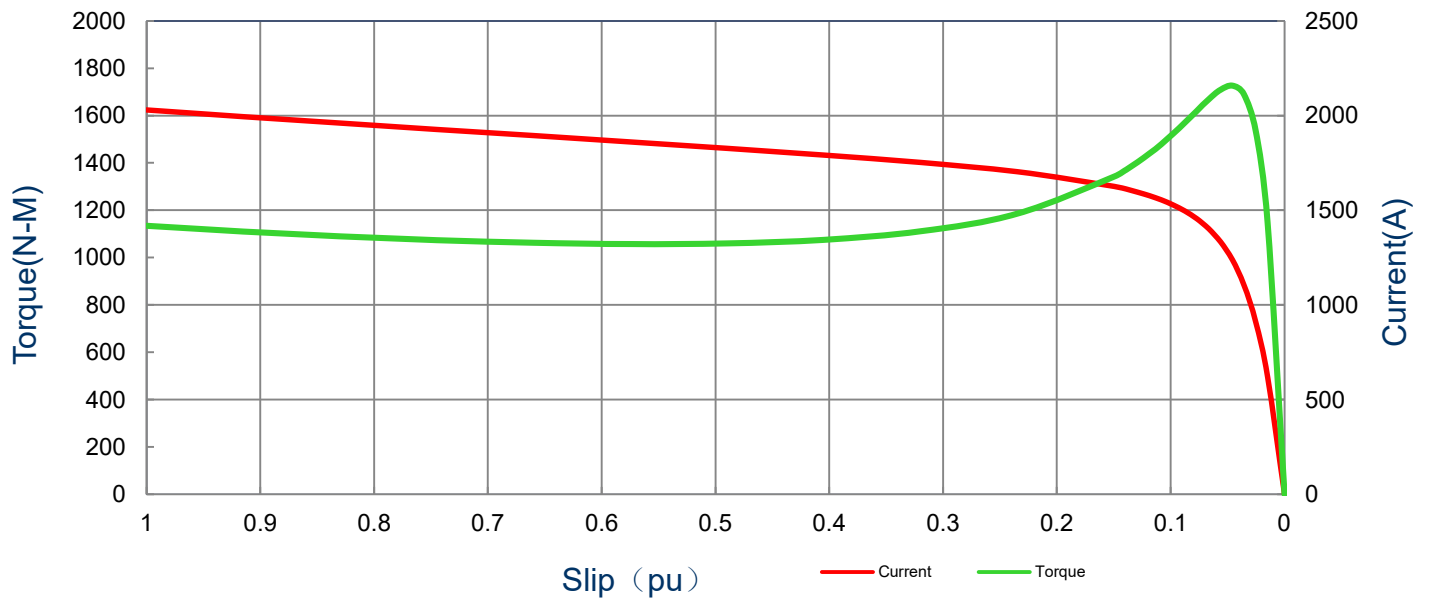
SPEED TORQUE/CURRENT CURVE

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HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	185	2	3570	315L	460	60	3	273
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-95.8	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
2007	2.1569	493	232.0	214.4	350.0			

Current vs Slip Curve and Torque vs Slip Curve



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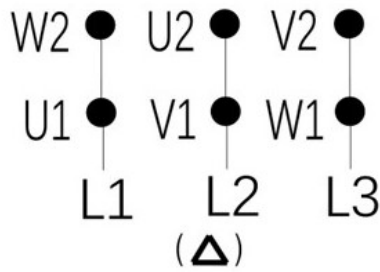
Motor Connection Diagram

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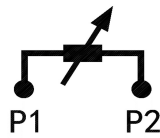
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
250	185	2	3570	315L	460	60	3	273
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE3-95.8	N	-	40

6 Leads Connection Diagram



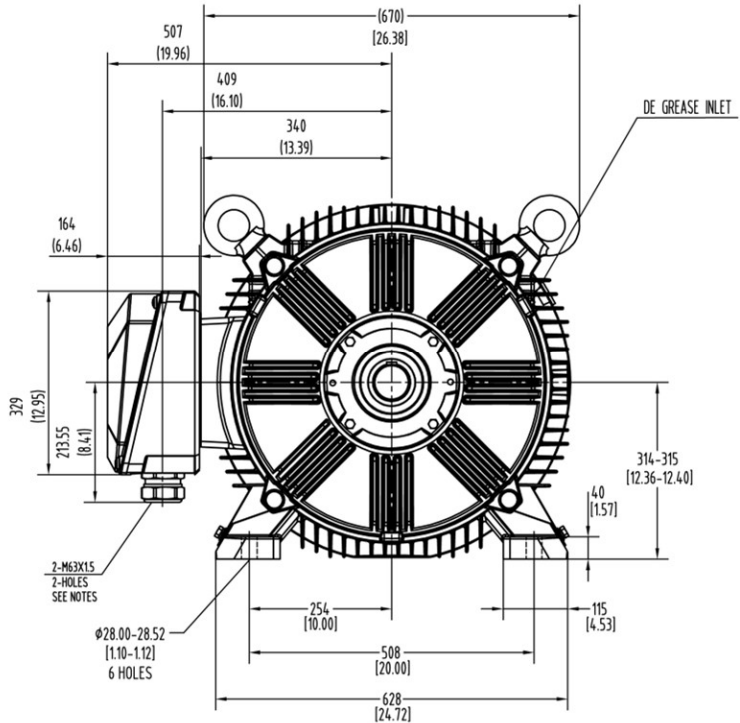
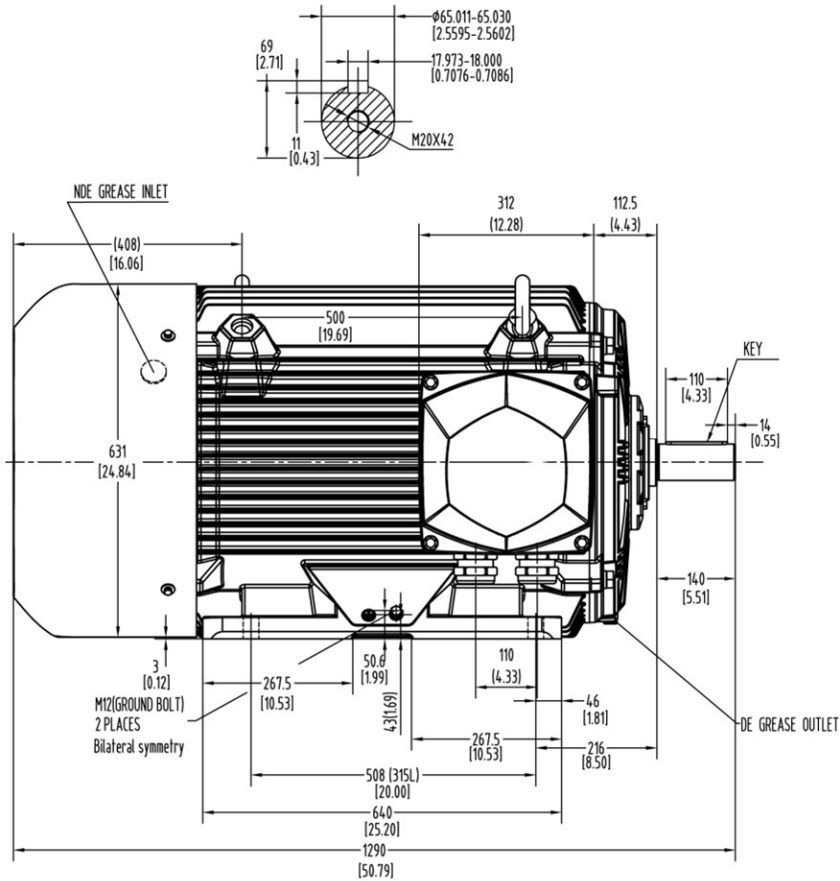
Independent Delta Connection

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 2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION							
CCW	CW			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					
			TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR			Drawing #:		MEGP01852F3TBL			
						Rev. Date:		11/14/2022	Rev. #:		0
						Standard:		IEC-60034	Mount.:		IMB3
						Frame		315L	LHS		Per.: