



TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00456D2TBL

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
60	45	6	1185	280S	230/380/460	60	3	147/84.9/73.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.6	N	-	40

* Inverter Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60	45	73.4	93.7	85.8
¾ Load	45	33.75	57.1	93.8	82.7
½ Load	30	22.5	42.5	93.1	74.6
¼ Load	15	11.25	30.8	90.2	53.1
No Load			14.1		49.1
Locked Rotor			494.0		0.5

Torque				Rotor Inertia
Full Load (N-m)	Locked Rotor (% FLT)	Pull Up (% FLT)	Break Down (% FLT)	(Kg-m²)
361	280.3	153.1	242.4	2.64945

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight (kg)
		DE	NDE	
Cold / Hot				
43/17.5	-	6317/C3	6314/C3	493

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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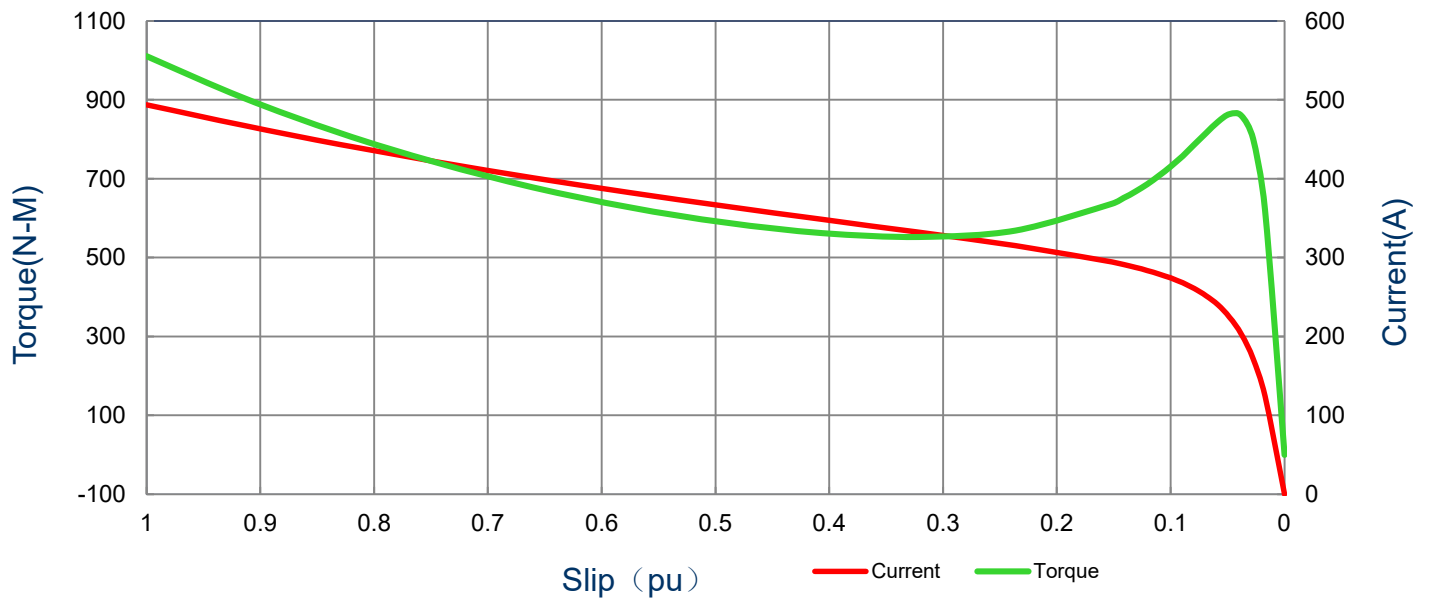
SPEED TORQUE/CURRENT CURVE

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60	45	6	1185	280S	230/380/460	60	3	147/84.9/73.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.6	N	-	40
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque						
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)			
493.98	2.64945	361	280.3	153.1	242.4			

Current vs Slip Curve and Torque vs Slip Curve



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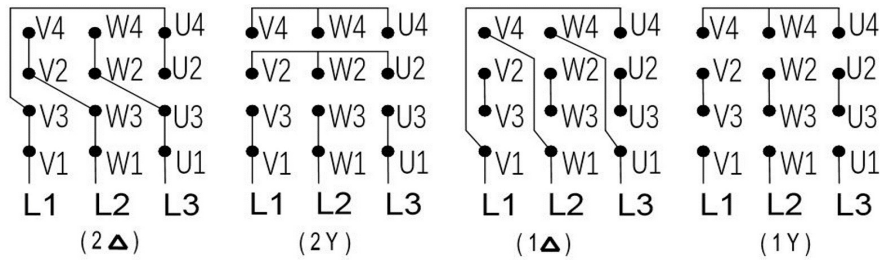
Motor Connection Diagram

Model: MEGP00456D2TBL

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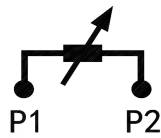
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	6	1185	280S	230/380/460	60	3	147/84.9/73.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-93.6	N	-	40

12 Leads Connection Diagram



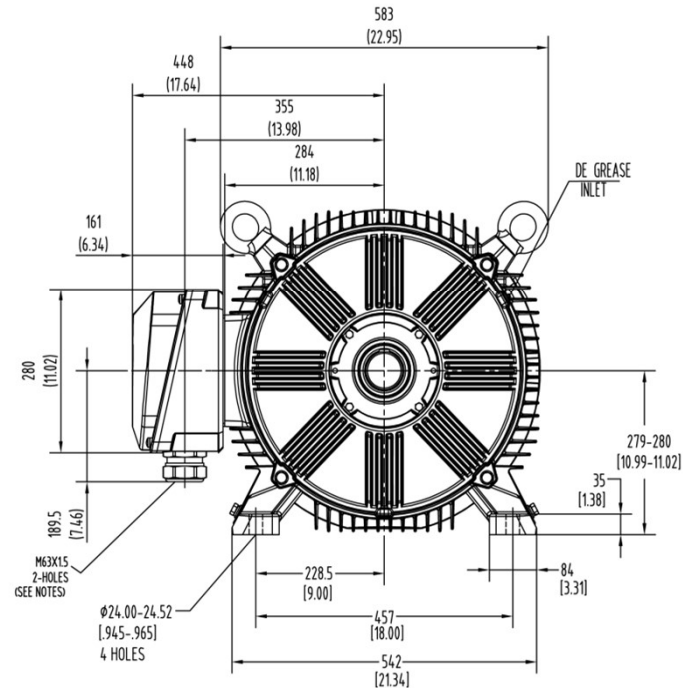
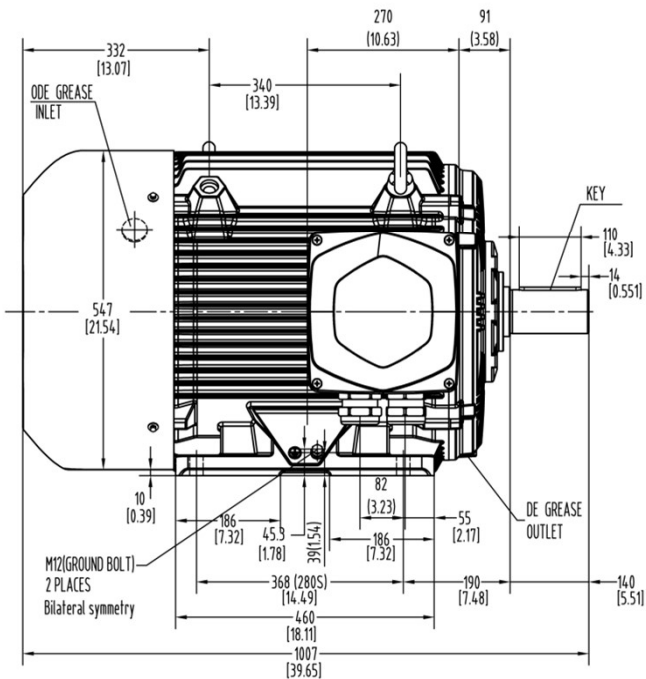
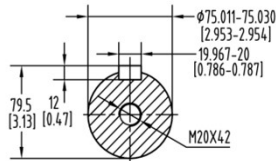
Y- Only Start

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											
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>		TOTALLY ENCLOSED FAN COOLED HORIZONTAL FOOT MOUNTED 3 PHASE INDUCTION MOTOR			Drawing #:		MEGP00456D2TBL					
					Rev. Date:		11/14/2022		Rev. #:		0	
					Standard:		IEC-60034		Mount.:		IMB3	
					Frame		280S		Per.:		LD	
		LHS										