Issued Date	11/14/2022	Doc. #	382-R0
Issued By	LD	Issued Rev	0

Tashida

TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP00456D3TBL **Serie:** IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	6	1190	280S	230/380/460	60	3	144/83.2/71.9
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**IEC Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	S1	IE3-94.5	N	-	40

* Inventer Duty

Load	HP	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	60	45	71.9	94.6	86.9
¾ Load	45	33.75	56.4	94.8	82.8
½ Load	30	22.5	42.5	94.5	73.5
¼ Load	15	11.25	31.5	92.5	50.6
No Load			16.2		36.4
Locked Rotor			558.0		0.4

Torque				Rotor Inertia
Full Load (N-m)	**Locked Rotor (% FLT)**	**Pull Up (% FLT)**	**Break Down (% FLT)**	**(Kg-m²)**
361	246.0	212.8	324.0	2.15

Safe Stall Time(s)	Sound Pressure dB(A) @ 1M	Bearings*		Approx. Motor Weight
Cold / Hot		**DE**	**NDE**	**(kg)**
26.0/10.6	-	6317 C3	6314 C3	511

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

Included Accessories:

PTC Thermistor

All characteristics are average expected values.

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Tashida

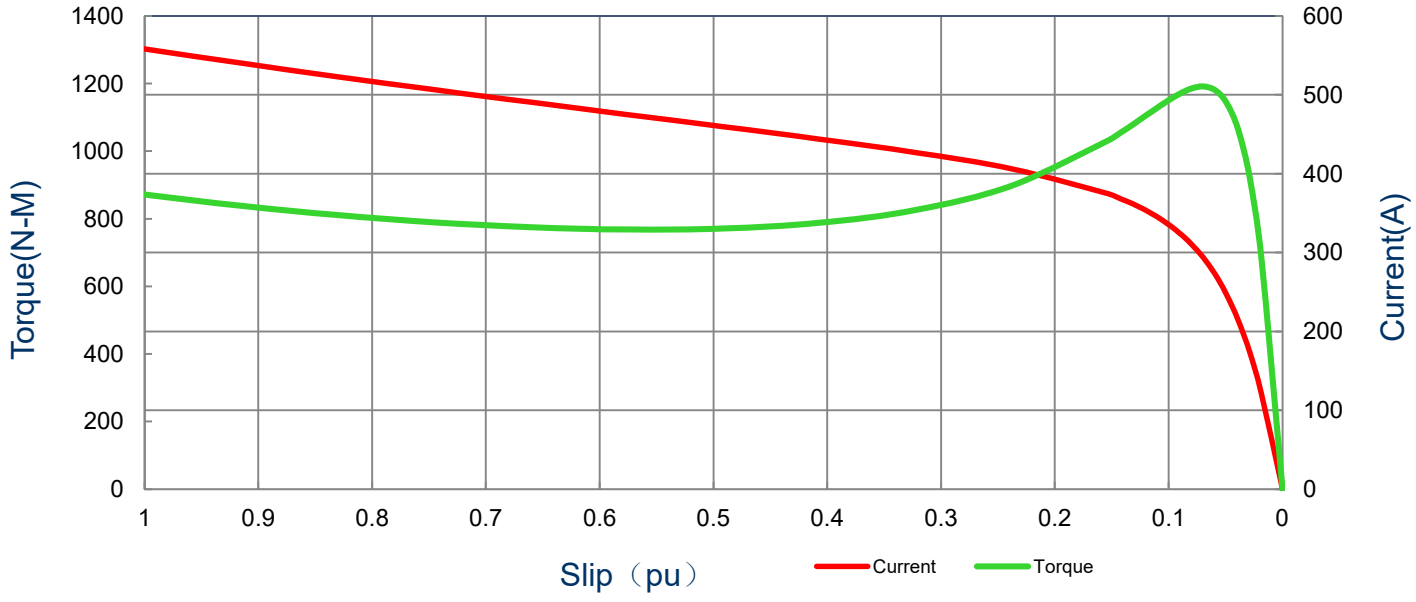
SPEED TORQUE/CURRENT CURVE

Model: MEGP00456D3TBL **Serie:** IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	6	1190	280S	230/380/460	60	3	144/83.2/71.9
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**IEC Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	S1	IE3-94.5	N	-	40

Locked Rotor Amps	Rotor Inertia (Kg-m2)	Torque			
		Full Load (N-m)	Locked Rotor (%)	Pull Up (%)	Break Down (%)
558	2.15	361	246.0	212.8	324.0

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

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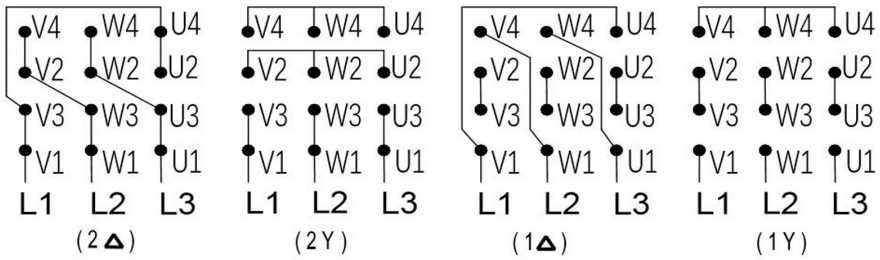
Motor Connection Diagram

Model: MEGP00456D3TBL **Serie:** IEC Graphene

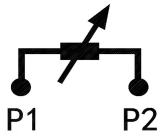
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	6	1190	280S	230/380/460	60	3	144/83.2/71.9
Enclosure	**IP**	**Ins. Class**	**S.F.**	**Duty**	**Nom. Eff.**	**IEC Design**	**kVA Code**	**Ambient Temp. (°C)**
TEFC	55	F (*)	1.15	S1	IE3-94.5	N	-	40

12 Leads Connection Diagram



Y- Only Start

PTC Diagram



All characteristics are average expected values.

Engineering		Doc. Written By		Doc.# / Rev	MEGP00456D3TBL
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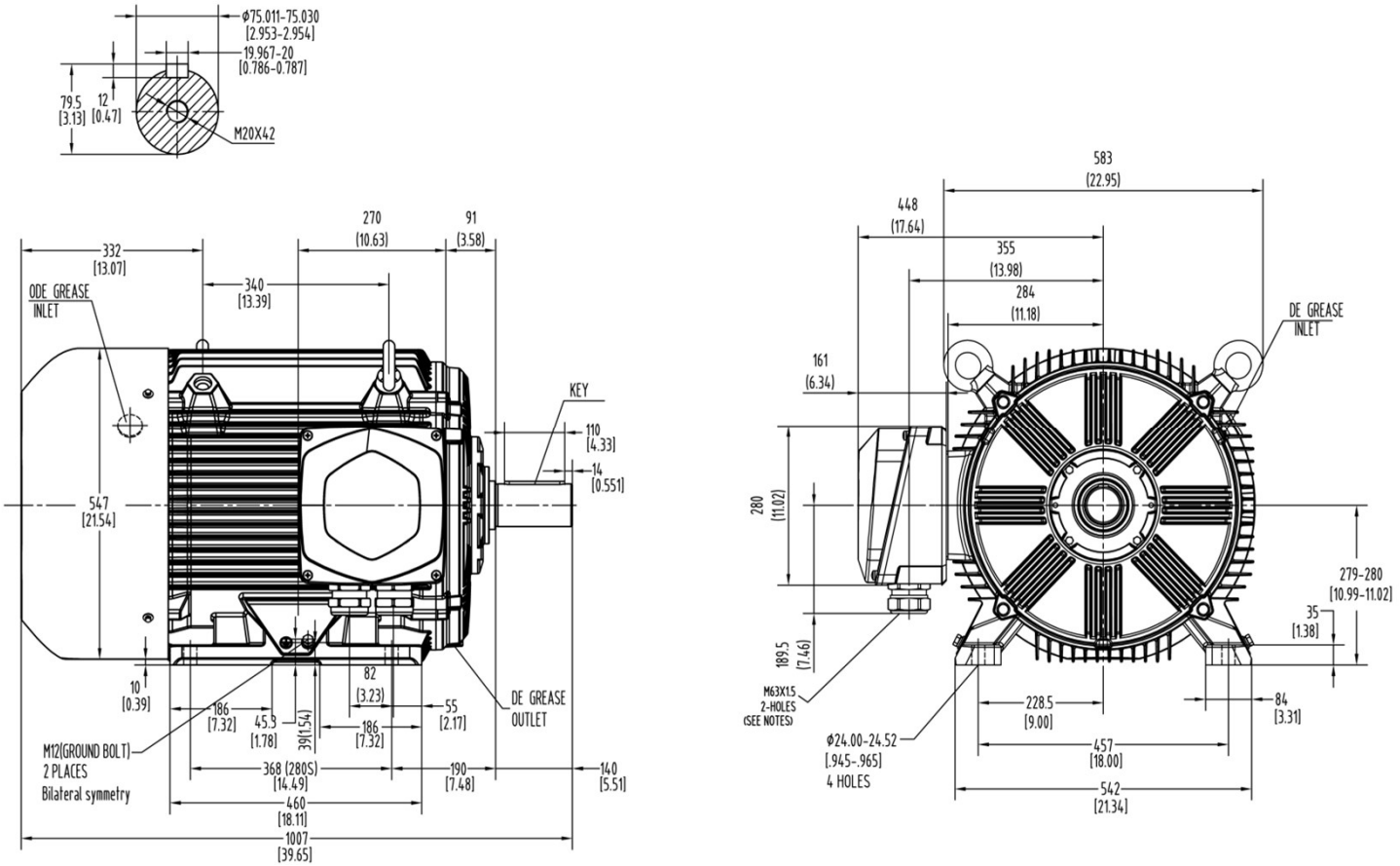

Units: mm (in)		PROPRIETARY INFORMATION	Notes:
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CCW	CW		2. STANDARD PRODUCT USES BI-DIRECTIONAL FAN. OPPOSITE ROTATION
			AVAILABLE ONLY BY CONNECTION CHANGE.
	X		

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TOTALLY ENCLOSED FAN COOLED
HORIZONTAL FOOT MOUNTED
3 PHASE INDUCTION MOTOR

			Drawing #:	MEGP00456D3TBL	
			Rev. Date:	11/14/2022	Rev. #: 0
			Standard:	IEC-60034	Mount.: IMB3
Frame	280S	LHS	Per.:	LD	