

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

TYPICAL MOTOR PERFORMANCE DATA

Model: MEGP07X52D2TBL

Serie: IEC Graphene

НР	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	2	3492	132S	230/380/460	60	3	24.8/14.3/12.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-89.5	N	-	40

* Inventer Duty

Load	НР	kW	Amperes	Efficiency (%)	Power Factor (%)
Full Load	10	7.5	11.8	89.8	93.1
¾ Load	7.5	5.625	8.9	90.5	91.2
½ Load	5	3.75	6.3	90.3	85.9
1/4 Load	2.5	1.875	4.1	87.3	68.5
No Load			3.2		39.8
Locked Rotor	ked Rotor		86.7		0.4

Torque								
Full Load	Full Load Locked Rotor		Break Down	Rotor Inertia				
(N-m)	(% FLT)	(% FLT)	(% FLT)	(Kg-m²)				
20.51	213.2	213.2	320.4	0.01822				

Safe Stall Time(s)	Sound	Boar	Approx. Motor Weight		
Cold / Hot	Cold / Hot Pressure		Bearings*		
Cold / Hot	dB(A) @ 1M	DE	NDE	(kg)	
2 Cold or 1 Hot	-	6208/2Z C3	6305/2Z C3	59	

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

Included Accessories:

PTC Thermistor

All characteristics	ara	average	evnected	values
All characteristics	alt	average	expected	values.

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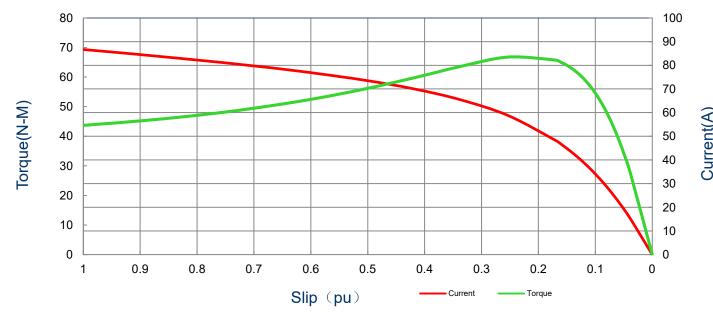
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SPEED TORQUE/CURRENT CURVE

Model: MEGP07X52D2TBL Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	2	3492	132S	230/380/460	60	3	24.8/14.3/12.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-89.5	N	-	40
					Torque	-	-	
Locked Rotor Amps	Rotor Inertia (Kg-m2)	Full Load	Locked	Rotor	Pull Up		Break Down	
7 4.1.00	(1.19)	(N-m)	(%)		(%)		(%	5)
86.7	0.01822	20.51	213	.2	213.2		320	.4

Current vs Slip Curve and Torque vs Slip Curve



All characteristics are average expected values.

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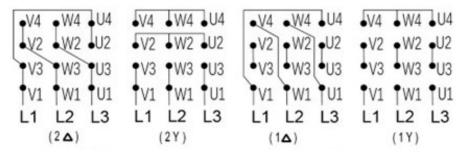
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Motor Connection Diagram

Model: MEGP07X52D2TBL Serie: IEC Graphene

HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
10	7.5	2	3492	132S	230/380/460	60	3	24.8/14.3/12.4
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TEFC	55	F (*)	1.15	S1	IE2-89.5	N	-	40

12 Leads Connection Diagram



Y- Only Start

PTC Diagram



All characteristics are average expected values.

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