

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC225M-6-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
40,00	29,84	575 / 990	273,00	94,1%	0,83	1,15	225M	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	38,56	/	22,40	7,08	1176

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
/	/	/	/	/	/	/	/	/

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
667	3	S1	H	40°C	1000 M	59,9

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	94,1%	Full Load:	0,83	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	94,2%	3/4 Load:	0,82	LRT %	204	/	PTC-150°C	0,248624
1/2 Load:	93,7%	1/2 Load:	0,72	BDT %	232	/		

Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Cast Iron	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6313-C3	6313-C3	Mobil PolyRexEM	Rigid	Horizontal	15	Red

Inverter Duty. Motor meets MG1 parts 31.4.4.2	Constant Torque Range	Variable Torque Range
	10:1	20:1

**WIRING CONNECTION DIAGRAM : D**

**IEC Frames 112M - 355L, Dual Voltage**  
575 / 990 VAC, 6 posts, 6 leads, Δ / Y Connection

Low Voltage (575Vac)  
6 Leads Δ 6 posts



Line

High Voltage (990Vac)  
6 Leads Y 6 posts

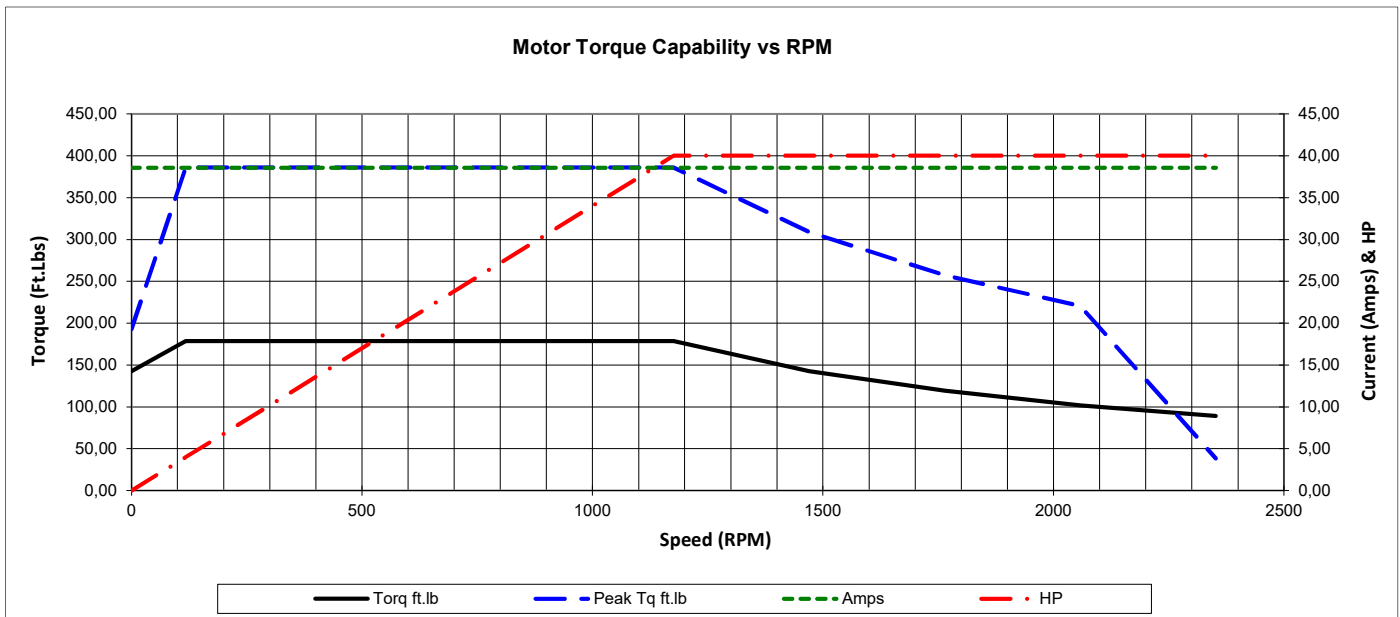
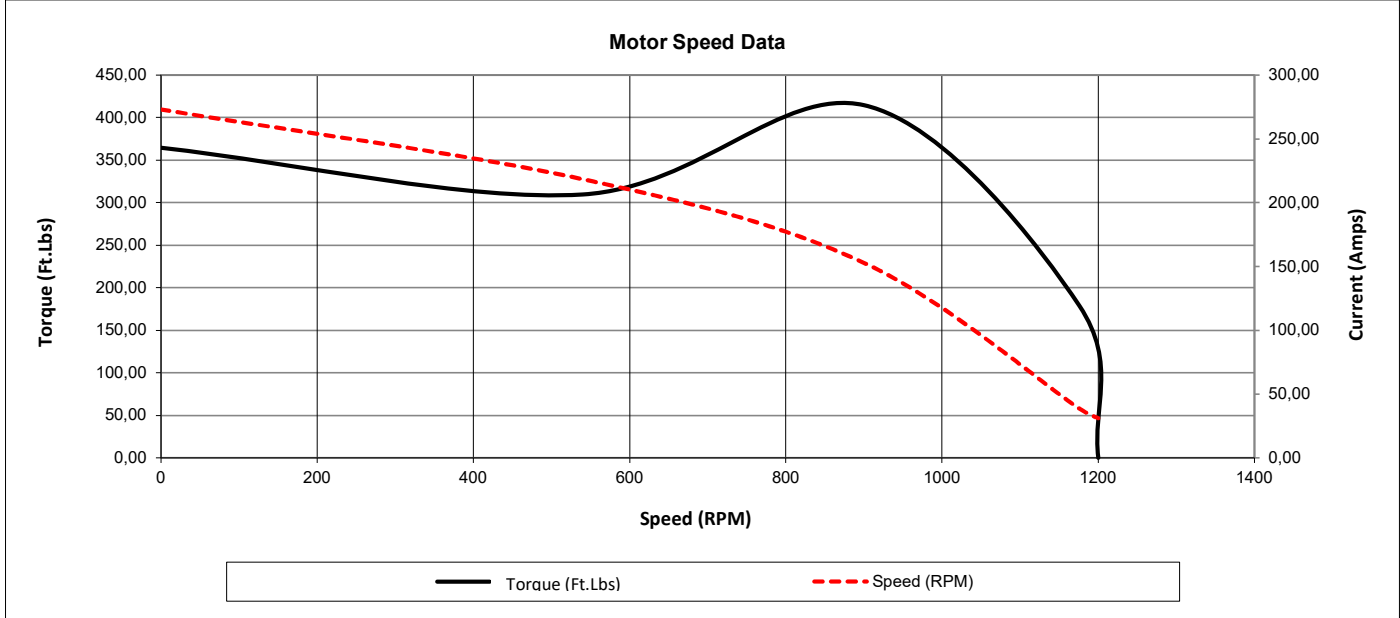


Line

Date: **25 janvier, 2024**  
 Customer: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Submittee: **J.C. Lavallée**

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HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
40,00	29,84	575 / 990	1176	TEFC	225M	60	N	6	7,08	H	59,9
		0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	38,56										
RPM	0										
Torq ft.lb	142,91										
Peak Tq ft.lb	192,93										
HP	0,00										
		Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0		540	900	1176	1200	S1	1,15	40°C	3,300 ft	-
Current (Amps)	273,00		218,40	152,88	38,56	31,14	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	364,42		309,76	414,44	178,64	0,0	CT :	10:1	VT :	20:1	



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40,00	29,84	575 / 990	1176	TEFC	225M	60	N	6	7,08	H	59,9

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	31,14	31,14	34,11	35,59	38,56	44,49	56,36
Torq ft/lbs	0	43,99	88,42	133,30	178,64	232,85	299,06
RPM	0	1194	1188	1182	1176	1128	1054
Eff %	0	70,1	93,7	94,2	94,1	91,7	84,2
PF %	0	37,9	72,3	81,5	83,0	85,5	87,2

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
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