

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC250M-2-47**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
75,00	55,95	460 / 796	612,61	93,6%	0,9	1,15	250M	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	81,90	/	47,40	/	7,48	3560

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
/	98,50	93,58	90,20	56,70	51,60	94,3%	7,5	2970

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
910,7	3	S1	H	40°C	1000 M	64,6

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	93,6%	Full Load:	0,90	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	93,5%	3/4 Load:	0,89	LRT %	215	215	PTC-150°C	0,03318
1/2 Load:	92,2%	1/2 Load:	0,83	BDT %	239	239		

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

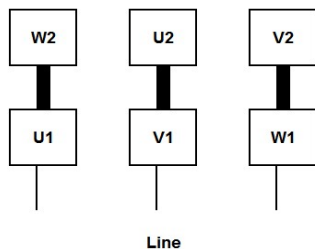
Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6314-C3	6314-C3	Mobil PolyRexEM	Rigid	Horizontal	15	Red

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

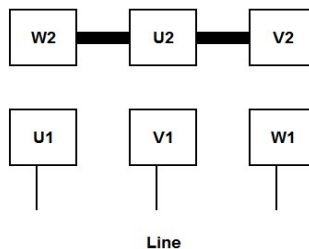
WIRING CONNECTION DIAGRAM : E

IEC Frames 200L - 355L, Dual Voltage
460 / 796 VAC, 6 posts, 6 leads, Δ / Y Connection

Low Voltage (460 Vac)
6 Leads Δ 6 posts



High Voltage (796 Vac)
6 Leads Y 6 posts

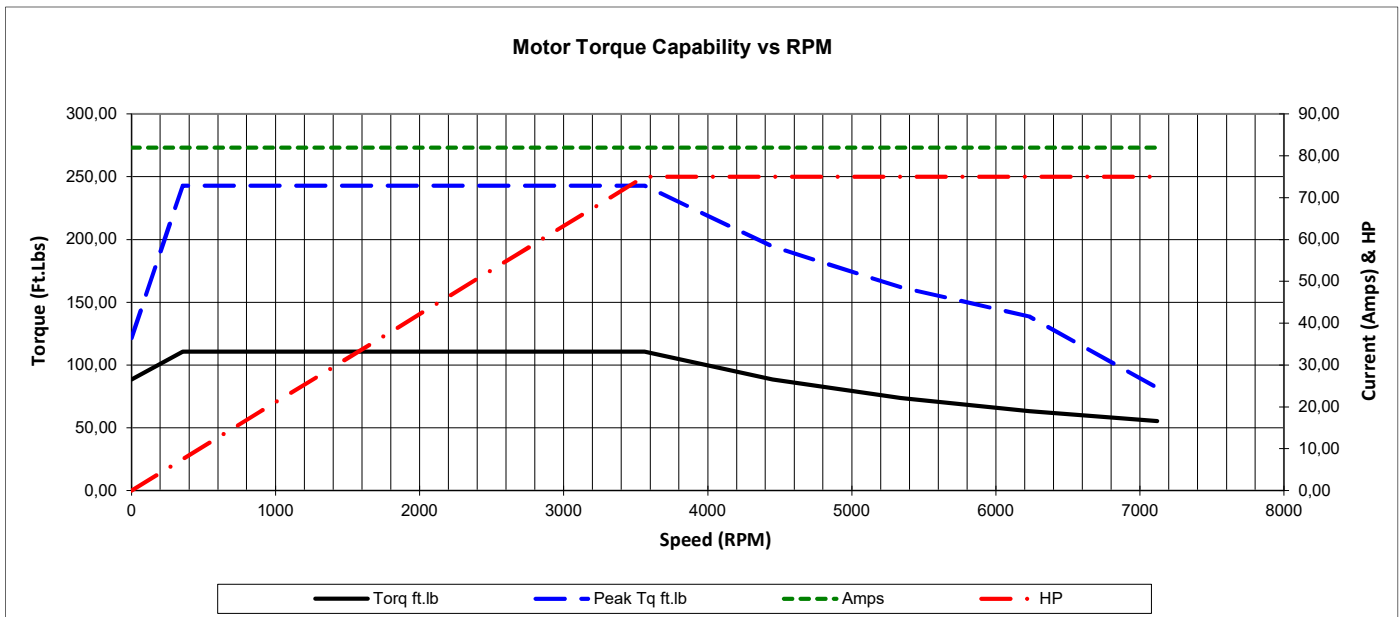
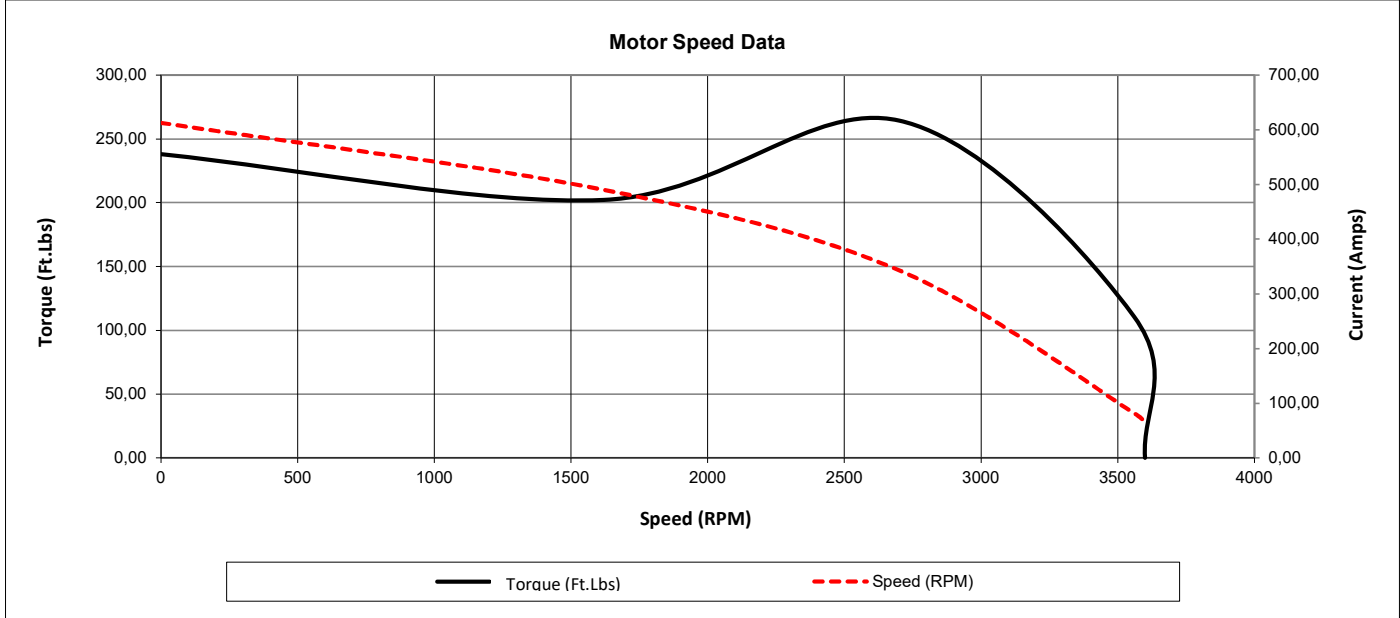




Date: 25 janvier, 2024
 Customer: _____
 Contact: _____
 Submittee: J.C. Lavallée

Catalogue #: IJC250M-2-47

IEC Efficiency Level IE3											
HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
75,00	55,95	460 / 796	3560	TEFC	250M	60	N	2	7,48	H	64,6
	0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz	
Amps	81,90	81,90	81,90	81,90	81,90	81,90	81,90	81,90	81,90	81,90	
RPM	0	356	890	1780	2670	3560	4450	5340	6230	7120	
Torq ft.lb	88,52	110,65	110,65	110,65	110,65	110,65	88,52	73,76	63,23	55,32	
Peak Tq ft.lb	121,43	242,87	242,87	242,87	242,87	242,87	194,29	161,91	138,78	81,90	
HP	0,00	7,50	18,75	37,50	56,25	75,00	75,00	75,00	75,00	75,00	
	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M	
Speed (RPM)	0	1620	2700	3560	3600	S1	1,15	40°C	3,300 ft	-	
Current (Amps)	612,61	490,09	343,06	81,90	66,15	VFD Rating: Meets MG1 parts 31.4.4.2					
Torque (ft-lbs)	237,89	202,21	264,44	110,65	0,0	CT :	10:1	VT :	20:1		



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Load %	0%	25%	50%	75%	100%	125%	150%
Amps	66,15	66,15	72,45	75,60	81,90	94,50	119,70
Torq ft/lbs	0	27,43	55,01	82,75	110,65	144,22	185,23
RPM	0	3590	3580	3570	3560	3414	3190
Eff %	0	69,0	92,2	93,5	93,6	91,2	83,8
PF %	0	41,1	82,9	88,6	90,0	92,7	94,5

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