

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA132M1-2-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
12,40	9,25	575 / 990	90,48	90,2%	0,89	1,15	132M	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	11,60	/	6,72	7,8	3530

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
125,4	3	S1	H	40°C	1000 M	50

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	90,2%	Full Load:	0,89	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	89,7%	3/4 Load:	0,82	LRT %	220	/	PTC-150°C	-
1/2 Load:	88,6%	1/2 Load:	0,70	BDT %	230	/		

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	Aluminum	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6308ZZ-C3	6308ZZ-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



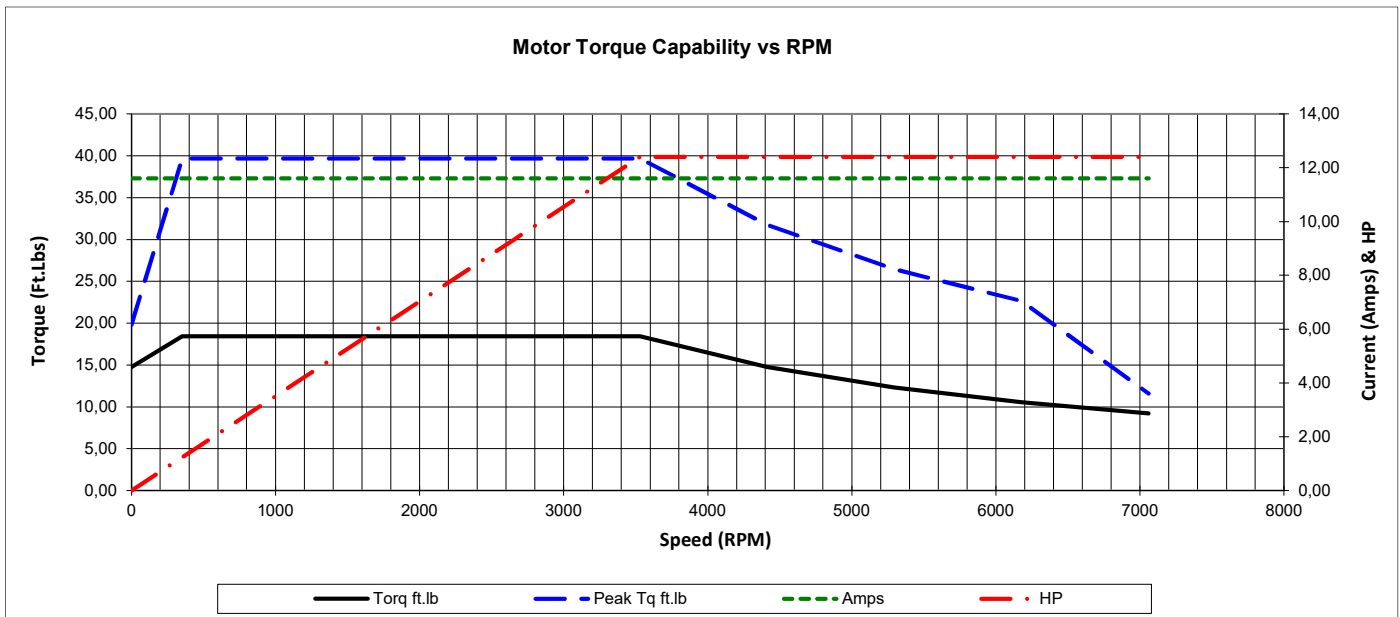
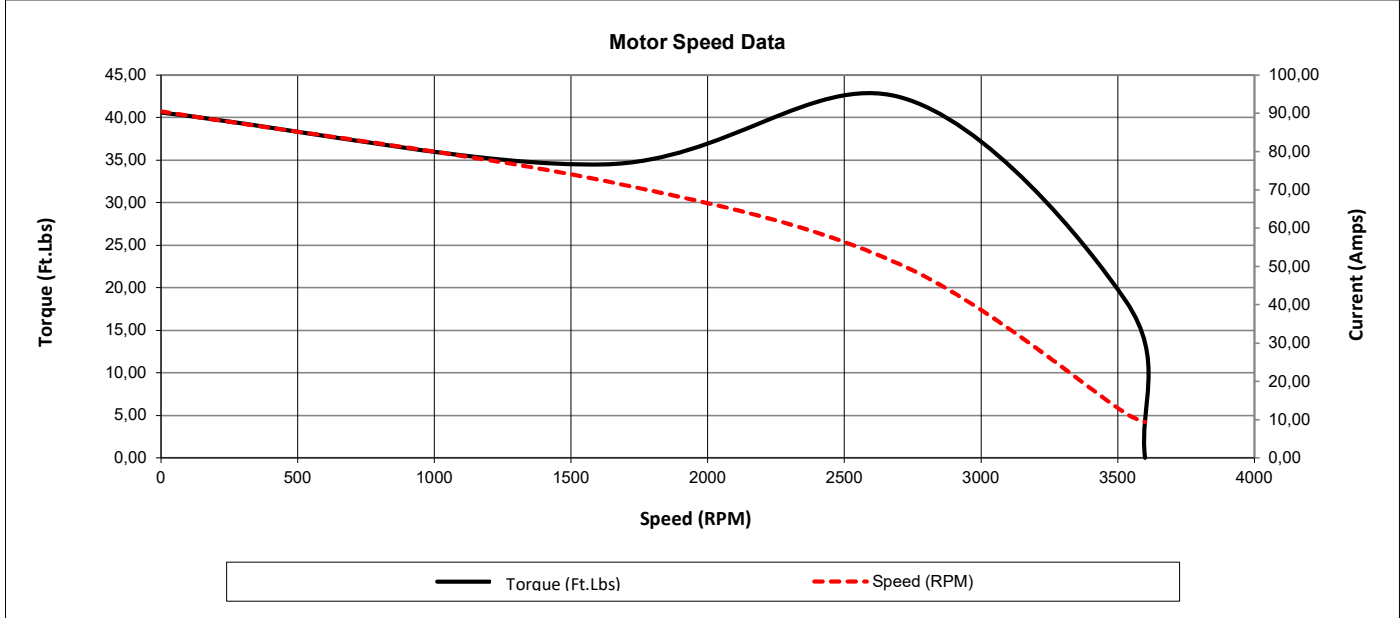
Line



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

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IEC Efficiency Level IE3											
HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
12,40	9,25	575 / 990	3530	TEFC	132M	60	N	2	7,8	H	50
		0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	11,60										
RPM	0										
Torq ft.lb	14,76										
Peak Tq ft.lb	19,83										
HP	0,00										
		Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0										
Current (Amps)	90,48										
Torque (ft-lbs)	40,59										
							VFD Rating: Meets MG1 parts 31.4.4.2				
							CT :	10:1	VT :	20:1	



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HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
12,40	9,25	575 / 990	3530	TEFC	132M	60	N	2	7,8	H	50

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	9,37	9,37	10,26	10,71	11,60	13,38	16,95
Torq ft/lbs	0	4,54	9,13	13,77	18,45	24,05	30,89
RPM	0	3583	3565	3548	3530	3385	3163
Eff %	0	66,3	88,6	89,7	90,2	87,9	80,7
PF %	0	40,7	70,3	82,3	89,0	91,7	93,5

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1620	2700	3530	3600	S1	1,15	40°C	3,300 ft	-
Current (Amps)	90,48	72,38	50,67	11,60	9,37	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	40,59	34,50	42,43	18,45	0,0	CT :	10:1	VT :	20:1	

