

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA160M-4-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
15,00	11,19	575 / 990	104,34	92,4%	0,85	1,15	160M	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	14,10	/	8,17	7,4	1755

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
221,1	3	S1	H	40°C	1000 M	50

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	92,4%	Full Load:	0,85	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	91,9%	3/4 Load:	0,79	LRT %	220	/	PTC-150°C	-
1/2 Load:	90,7%	1/2 Load:	0,67	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

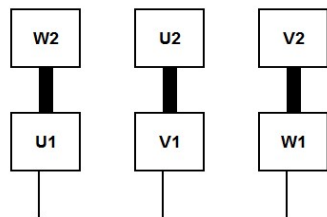
Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6309-C3	6309-C3	Mobil PolyRexEM	Rigid	Horizontal	15	Red

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

**WIRING CONNECTION DIAGRAM : D**

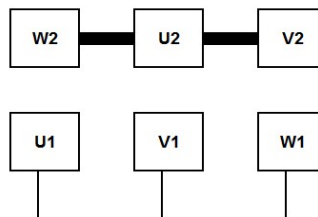
**IEC Frames 112M - 355L, Dual Voltage**  
575 / 990 VAC, 6 posts, 6 leads, Δ / Y Connection

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
15,00	11,19	575 / 990	1755	TEFC	160M	60	N	4	7,4	H	50

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	11,39	11,39	12,47	13,02	14,10	16,27	20,61
Torq ft/lbs	0	11,01	22,16	33,45	44,89	58,51	75,15
RPM	0	1789	1778	1766	1755	1683	1572
Eff %	0	67,9	90,7	91,9	92,4	90,0	82,7
PF %	0	38,8	67,1	78,6	85,0	87,6	89,3

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	810	1350	1755	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	104,34	83,47	58,43	14,10	11,39	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	98,76	83,94	103,24	44,89	0,0	CT :	10:1	VT :	20:1	

