

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC315L1-4-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
200,00	149,20	575 / 990	1225,44	96,2%	0,88	1,15	315L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	177,60	/	110,20	6,9	1785

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
2482,8	3	S1	H	40°C	1000 M	75

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	96,2%	Full Load:	0,88	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	92,3%	3/4 Load:	0,74	LRT %	220	/	PTC-150°C	-
1/2 Load:	83,8%	1/2 Load:	0,57	BDT %	220	/		

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					
NU319	6319-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
200,00	149,20	575 / 990	1785	TEFC	315L	60	N	4	6,9	H	75

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	143,45	143,45	157,11	163,94	177,60	204,92	259,57
Torq ft/lbs	0	146,19	293,00	440,42	588,46	767,02	985,14
RPM	0	1796	1793	1789	1785	1712	1599
Eff %	0	62,7	83,8	92,3	96,2	93,7	86,1
PF %	0	40,2	57,0	74,4	88,0	90,6	92,4

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	810	1350	1785	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	1225,44	980,35	686,25	177,60	143,45	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	1294,61	1100,42	1294,61	588,46	0,0	CT :	10:1	VT :	20:1	

