

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC180L-4-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
30,00	22,38	575 / 990	205,50	93,6%	0,86	1,15	180L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	27,40	/	15,90	7,5	1760

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
467	3	S1	H	40°C	1000 M	60

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	93,6%	Full Load:	0,86	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	89,8%	3/4 Load:	0,73	LRT %	220	/	PTC-150°C	-
1/2 Load:	81,5%	1/2 Load:	0,56	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	Cast Iron	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6311-C3	6311-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
30,00	22,38	575 / 990	1760	TEFC	180L	60	N	4	7,5	H	60

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	22,13	22,13	24,24	25,29	27,40	31,62	40,05
Torq ft/lbs	0	22,01	44,26	66,76	89,52	116,69	149,87
RPM	0	1790	1780	1770	1760	1688	1577
Eff %	0	61,0	81,5	89,8	93,6	91,2	83,8
PF %	0	39,3	55,7	72,7	86,0	88,6	90,3

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	810	1350	1760	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	205,50	164,40	115,08	27,40	22,13	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	196,95	167,41	205,90	89,52	0,0	CT :	10:1	VT :	20:1	

