

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC280M-4-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
125,00	93,25	575 / 990	728,96	95,4%	0,87	1,15	280M	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	108,80	/	63,20	6,7	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
1409	3	S1	H	40°C	1000 M	70

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	95,4%	Full Load:	0,87	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	91,6%	3/4 Load:	0,74	LRT %	220	/	PTC-150°C	-
1/2 Load:	83,1%	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					
6317-C3	6317-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
125,00	93,25	575 / 990	1785	TEFC	280M	60	N	4	6,7	H	70

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	87,88	87,88	96,25	100,43	108,80	125,54	159,02
Torq ft/lbs	0	91,37	183,12	275,26	367,79	479,39	615,72
RPM	0	1796	1793	1789	1785	1712	1599
Eff %	0	62,2	83,1	91,6	95,4	92,9	85,4
PF %	0	39,8	56,4	73,5	87,0	89,6	91,4

	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)	728,96	583,17	408,22	108,80	87,88	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	809,13	687,76	845,91	367,79	0,0	CT :	10:1	VT :	20:1	

