

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJC355M-4-59**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
422,20	314,96	575 / 990	2641,20	96,2%	0,9	1,00	355M	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	/	/	372,00	/	216,10	7,1	1788

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
4300	3	S1	H	40°C	1000 M	80

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	96,2%	Full Load:	0,90	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	96,0%	3/4 Load:	0,76	LRT %	200	200	PTC-150°C	0
1/2 Load:	94,1%	1/2 Load:	0,62	BDT %	220	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
0,00	0	Standard	Cast Iron	Standard	Standard	B3	TEFC	IP55

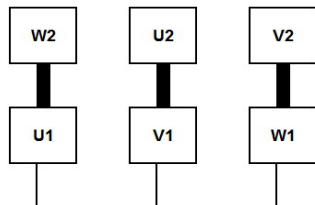
Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
NU322	6319-C3	Mobil PolyRexEM	Rigid	Horizontal	15	Red

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

WIRING CONNECTION DIAGRAM : E

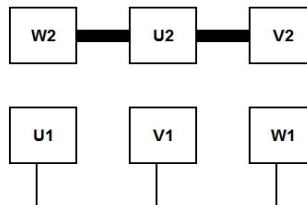
IEC Frames 200L - 355L, Dual Voltage
460 / 796 VAC, 6 posts, 6 leads, Δ / Y Connection

Low Voltage (460 Vac)
6 Leads Δ 6 posts



Line

High Voltage (796 Vac)
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
422,20	314,96	575 / 990	1788	TEFC	355M	60	N	4	7,1	H	80

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	300,46	300,46	329,08	343,38	372,00	429,23	543,69
Torq ft/lbs	0	308,49	618,00	928,56	1240,15	1567,43	1917,76
RPM	0	1797	1794	1791	1788	1768	1734
Eff %	0	70,4	94,1	96,0	96,2	93,7	86,1
PF %	0	41,1	62,0	76,0	90,0	92,7	94,5

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	810	1350	1788	1800	S1	1,00	40°C	3,300 ft	0
Current (Amps)	2641,20	2112,96	1479,07	372,00	300,46	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	2480,31	2108,26	2728,34	1240,15	0,0	CT :	10:1	VT :	20:1	

