



IEC PERFORMANCE DATA SHEET
IEC Efficiency Level IE3

Catalog #: IJA100L-2-24

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
4,00	2,98	230 / 460	35,60	88,5%	0,87	1,15	100L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	9,78	/	4,89	/	/	/	7,29	3470

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
12,00	6,02	5,72	5,51	/	/	87,1%	7,3	2895

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
50,6	3	S1	H	40°C	1000 M	33,7

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	88,5%	Full Load:	0,87	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	89,7%	3/4 Load:	0,84	LRT %	228	228	-	4,23
1/2 Load:	89,1%	1/2 Load:	0,75	BDT %	262	262		

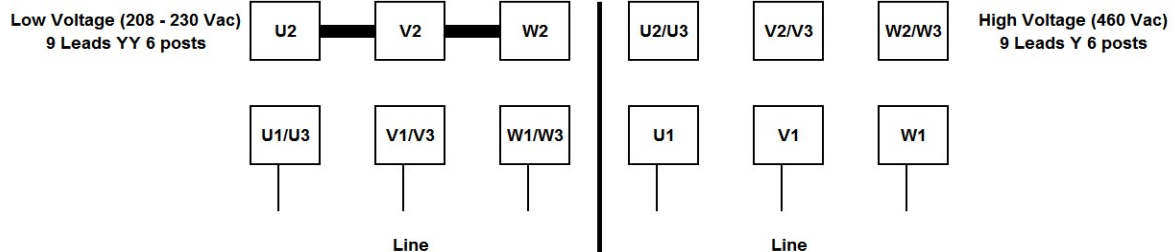
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6206ZZ-C3	6206ZZ-C3	Sealed Bearings	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 : B

IEC Frames 56 - 100L, Dual Voltage
208 - 230 / 460 VAC, 6 posts, 9 leads, YY / Y Connection



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
4,00	2,98	230 / 460	3470	TEFC	100L	60	N	2	7,29	H	33,7

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	3,95	3,95	4,33	4,51	4,89	5,64	7,15
Torq ft/lbs	0	1,47	2,97	4,50	6,05	7,89	10,14
RPM	0	3568	3535	3503	3470	3328	3109
Eff %	0	66,6	89,1	89,7	88,5	86,2	79,2
PF %	0	39,8	75,3	83,8	87,0	89,6	91,4

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1620	2700	3470	3600	S1	1,15	40°C	3,300 ft	-
Current (Amps)	35,60	28,48	19,94	4,89	3,95	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	13,80	11,73	15,86	6,05	0,0	CT :	10:1	VT :	20:1	

