



IEC PERFORMANCE DATA SHEET
IEC Efficiency Level IE3

Catalog #: IJA100L-6-24

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
2,00	1,49	230 / 460	19,00	88,5%	0,73	1,15	100L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	5,83	/	2,91	/	/	/	6,52	1135

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
7,57	3,78	3,59	3,47	/	/	82,5%	6,5	949

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
51,7	3	S1	H	40°C	1000 M	28,6

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	88,5%	Full Load:	0,73	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	89,5%	3/4 Load:	0,69	LRT %	226	226	-	9,528
1/2 Load:	89,0%	1/2 Load:	0,56	BDT %	250	250		

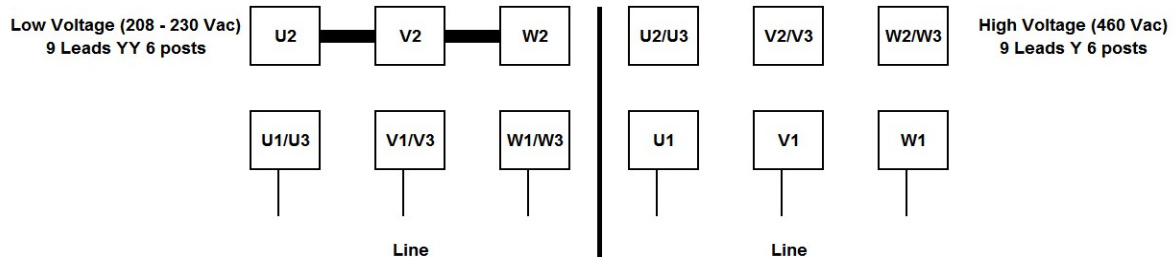
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

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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HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
2,00	1,49	230 / 460	1135	TEFC	100L	60	N	6	6,52	H	28,6

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	2,35	2,35	2,57	2,69	2,91	3,36	4,25
Torq ft/lbs	0	2,22	4,50	6,84	9,25	12,06	15,49
RPM	0	1184	1168	1151	1135	1088	1017
Eff %	0	66,6	89,0	89,5	88,5	86,2	79,2
PF %	0	33,4	55,6	68,8	73,0	75,2	76,7

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	540	900	1135	1200	S1	1,15	40°C	3,300 ft	-
Current (Amps)	19,00	15,20	10,64	2,91	2,35	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	20,92	17,78	23,14	9,25	0,0	CT :	10:1	VT :	20:1	

