



IEC PERFORMANCE DATA SHEET
IEC Efficiency Level IE3

Catalog #: IJA290L-2-24

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
3,00	2,24	230 / 460	28,58	86,5%	0,85	1,15	90L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	7,51	/	3,76	/	/	/	7,6	3474

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
9,09	4,55	4,32	4,16	/	/	85,9%	7,6	2895

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
37,4	3	S1	H	40°C	1000 M	30

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	86,5%	Full Load:	0,85	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	83,0%	3/4 Load:	0,82	LRT %	220	230	-	-
1/2 Load:	75,3%	1/2 Load:	0,73	BDT %	230	230	-	-

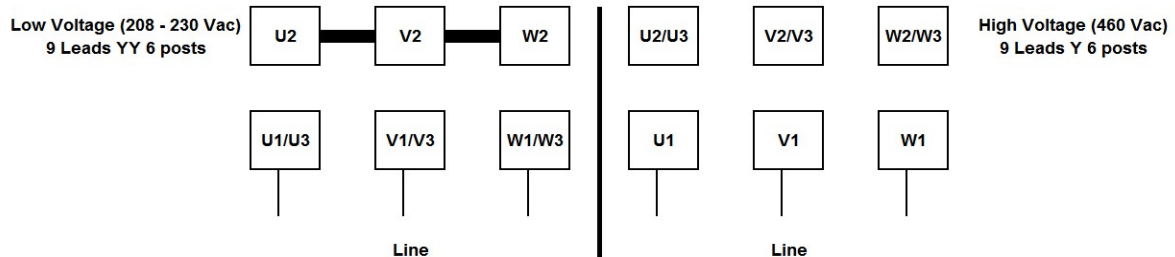
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6205ZZ-C3	6205ZZ-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
3,00	2,24	230 / 460	3474	TEFC	90L	60	N	2	7,6	H	30

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	3,04	3,04	3,33	3,47	3,76	4,34	5,50
Torq ft/lbs	0	1,10	2,23	3,37	4,54	5,91	7,59
RPM	0	3569	3537	3506	3474	3332	3113
Eff %	0	56,4	75,3	83,0	86,5	84,3	77,4
PF %	0	38,8	73,2	81,5	85,0	87,6	89,3

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1620	2700	3474	3600	S1	1,15	40°C	3,300 ft	-
Current (Amps)	28,58	22,86	16,00	3,76	3,04	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	9,98	8,48	10,43	4,54	0,0	CT :	10:1	VT :	20:1	

