



IEC PERFORMANCE DATA SHEET
IEC Efficiency Level IE3

Catalog #: IJA2802-6-24

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
0,75	0,56	230 / 460	6,44	81,7%	0,72	1,15	80	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	2,35	/	1,17	/	/	/	5,5	1060

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
2,84	1,42	1,35	1,30	/	/	78,0%	4,7	885

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
27,5	3	S1	H	40°C	1000 M	42

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	81,7%	Full Load:	0,72	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	78,4%	3/4 Load:	0,61	LRT %	190	190	-	-
1/2 Load:	71,2%	1/2 Load:	0,47	BDT %	200	210		

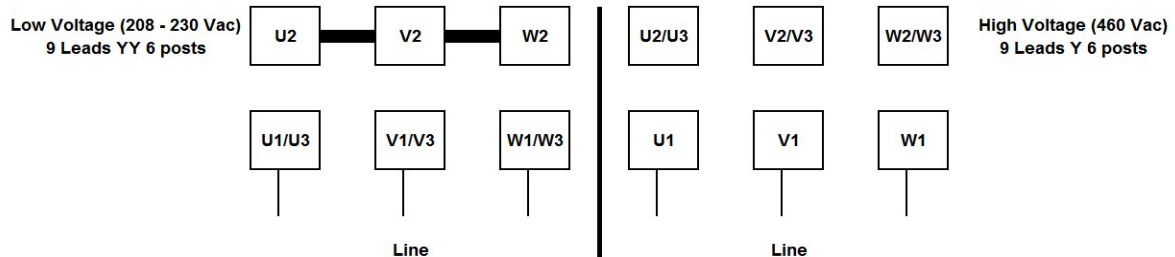
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
6204ZZ-C3	6204ZZ-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
0,75	0,56	230 / 460	1060	TEFC	80	60	N	6	5,5	H	42

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,94	0,94	1,03	1,08	1,17	1,35	1,71
Torq ft/lbs	0	0,85	1,74	2,70	3,72	4,84	6,22
RPM	0	1165	1130	1095	1060	1017	950
Eff %	0	53,2	71,2	78,4	81,7	79,6	73,1
PF %	0	32,9	46,7	60,8	72,0	74,2	75,6

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	540	900	1060	1200	S1	1,15	40°C	3,300 ft	-
Current (Amps)	6,44	5,15	3,60	1,17	0,94	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	7,06	6,00	7,43	3,72	0,0	CT :	10:1	VT :	20:1	

