

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA2801-4-24**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
0,75	0,56	230 / 460	5,88	81,1%	0,75	1,15	80	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	2,27	/	1,13	/	/	/	5,2	1680

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
2,75	1,37	1,30	1,25	/	/	80,8%	5,2	1400

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
20	3	S1	H	40°C	1000 M	39

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	81,1%	Full Load:	0,75	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	77,8%	3/4 Load:	0,63	LRT %	240	240	-	-
1/2 Load:	70,6%	1/2 Load:	0,49	BDT %	230	230		

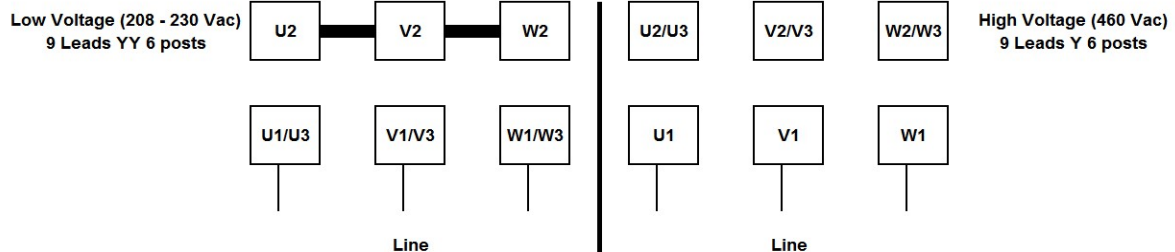
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
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

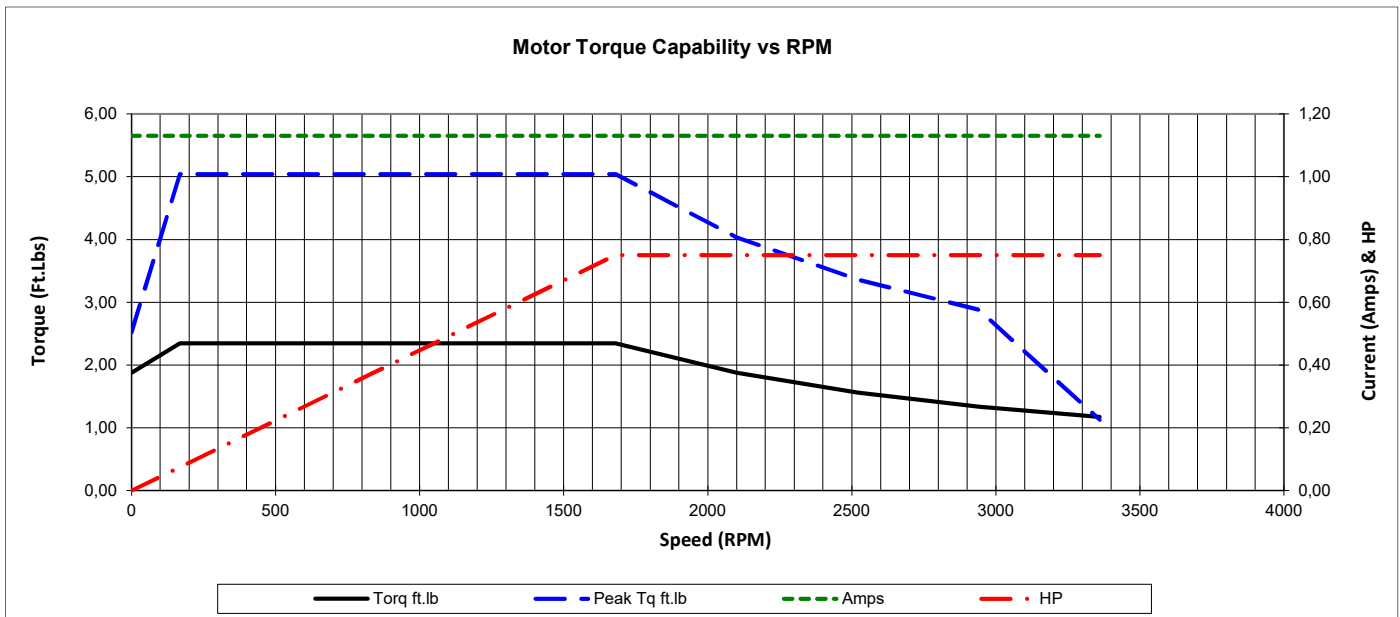
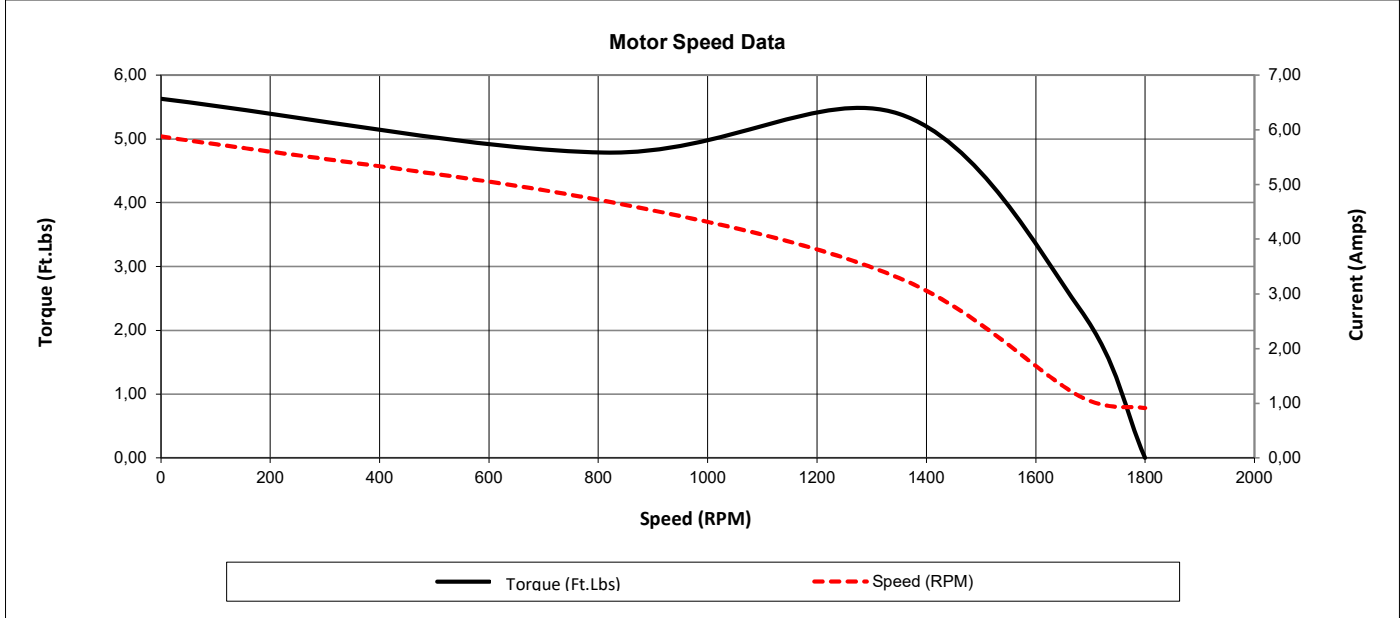
IEC Frames 56 - 100L, Dual Voltage  
208 - 230 / 460 VAC, 6 posts, 9 leads, YY / Y Connection



Date: **25 janvier, 2024**  
 Customer: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Submittee: **J.C. Lavallée**

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HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
0,75	0,56	230 / 460	1680	TEFC	80	60	N	4	5,2	H	39
		0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	1,13										
RPM	0										
Torq ft.lb	1,88										
Peak Tq ft.lb	2,52										
HP	0,00										
		Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0		810	1350	1680	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	5,88		4,70	3,29	1,13	0,91	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	5,63		4,78	5,39	2,34	0,0	CT :	10:1	VT :	20:1	



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0,75	0,56	230 / 460	1680	TEFC	80	60	N	4	5,2	H	39

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,91	0,91	1,00	1,04	1,13	1,30	1,65
Torq ft/lbs	0	0,56	1,13	1,73	2,34	3,06	3,93
RPM	0	1770	1740	1710	1680	1611	1505
Eff %	0	52,8	70,6	77,8	81,1	79,0	72,6
PF %	0	34,3	48,6	63,4	75,0	77,3	78,8

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
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