

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA2100L1-4-35**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
3,00	2,24	333 / 575	23,10	89,5%	0,81	1,15	100L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	5,25	/	3,04	/	/	7,6	1740

50 Hz								
FLA						Efficiency	Is/In	F.L. RPM
190	380	400	415	660	725			
/	/	/	/	/	/	/	/	/

Wgt. Lbs	PH	Duty	Insul. Class	Ambient Temp.	Elevation	Temp. Rise° C
55	3	S1	H	40°C	1000 M	30

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	89,5%	Full Load:	0,81	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	85,9%	3/4 Load:	0,68	LRT %	230	/	-	-
1/2 Load:	78,0%	1/2 Load:	0,52	BDT %	230	/	-	-

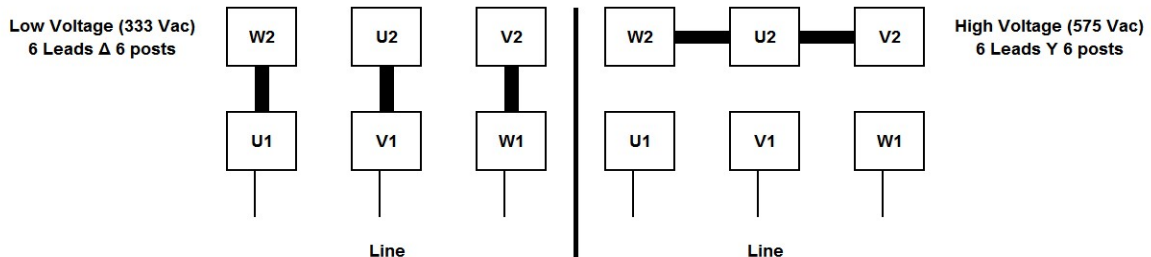
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

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

IEC Frames 56 - 100L, Dual Voltage  
333 / 575VAC, 6 posts, 6 leads, Δ / Y Connection

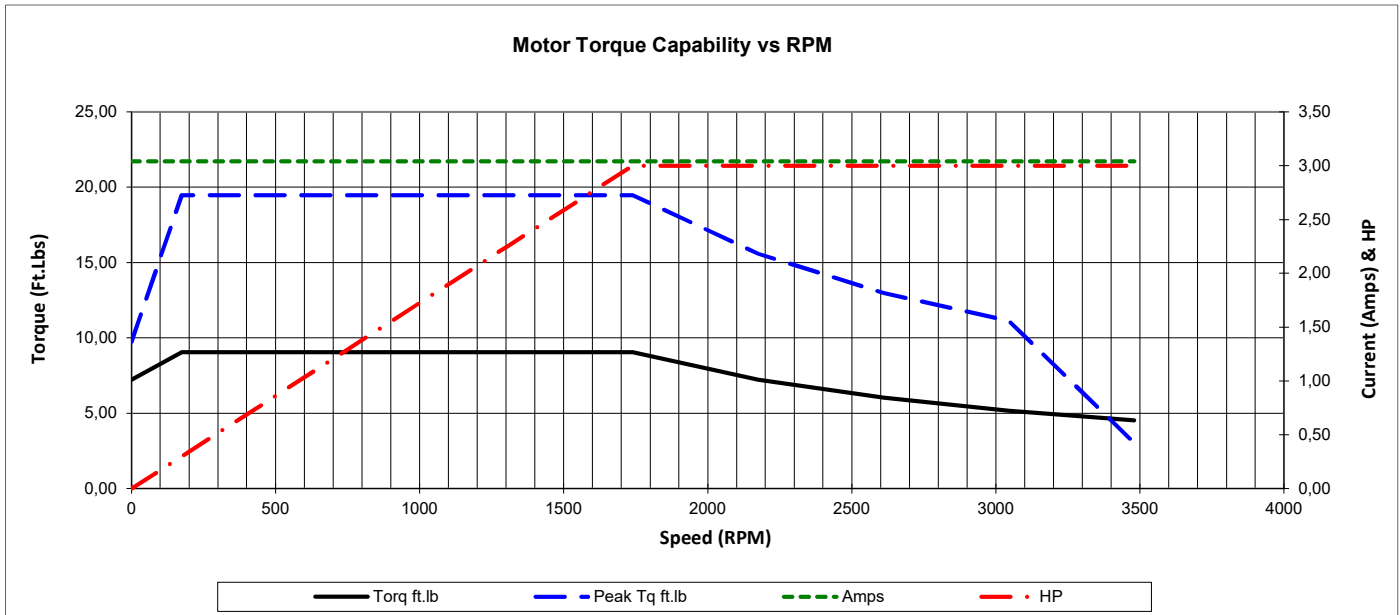
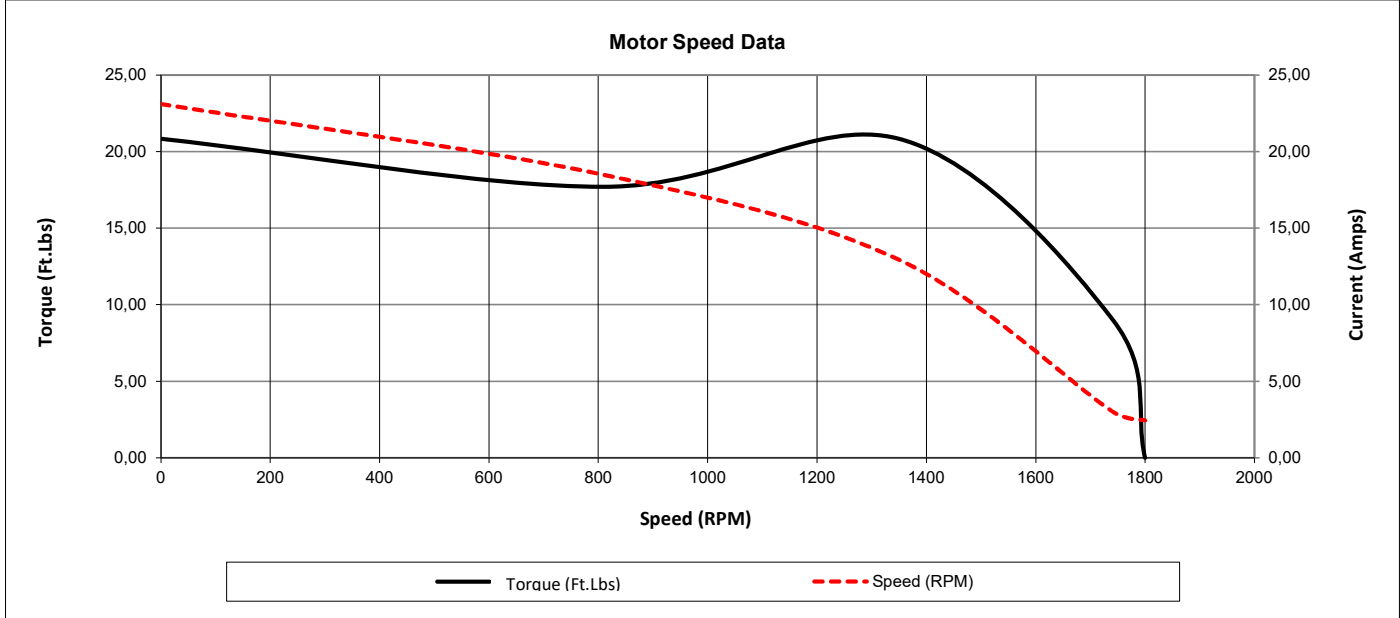




Date: **25 janvier, 2024**  
 Customer: \_\_\_\_\_  
 Contact: \_\_\_\_\_  
 Submittee: **J.C. Lavallée**

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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
3,00	2,24	333 / 575	1740	TEFC	100L	60	N	4	7,6	H	30
		0Hz	6Hz	15Hz	30Hz	45Hz	60Hz	75Hz	90Hz	105Hz	120Hz
Amps	3,04										
RPM	0										
Torq ft.lb	7,24										
Peak Tq ft.lb	9,73										
HP	0,00										
		Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0		810	1350	1740	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	23,10		18,48	12,94	3,04	2,46	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	20,83		17,70	20,83	9,06	0,0	CT :	10:1	VT :	20:1	



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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	333 / 575	1740	TEFC	100L	60	N	4	7,6	H	30

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	2,46	2,46	2,69	2,81	3,04	3,51	4,44
Torq ft/lbs	0	2,21	4,45	6,73	9,06	11,80	15,16
RPM	0	1785	1770	1755	1740	1669	1559
Eff %	0	58,3	78,0	85,9	89,5	87,2	80,1
PF %	0	37,0	52,5	68,4	81,0	83,4	85,1

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	810	1350	1740	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	23,10	18,48	12,94	3,04	2,46	VFD Rating: Meets MG1 parts 31.4.4.2				
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