

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA2801-2-35**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
1,00	0,75	333 / 575	8,34	77,0%	0,82	1,15	80	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	2,06	/	1,19	/	/	7	3455

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
19,8	3	S1	H	40°C	1000 M	35

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	77,0%	Full Load:	0,82	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	73,9%	3/4 Load:	0,69	LRT %	230	/	-	-
1/2 Load:	67,1%	1/2 Load:	0,53	BDT %	230	/		

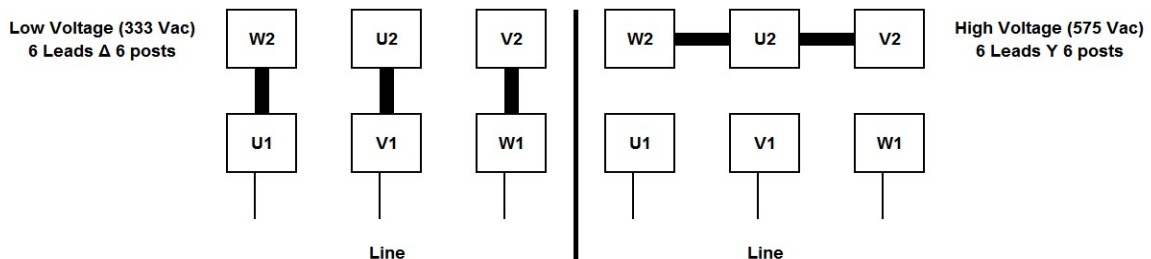
Rotor Inertia Wk2 Lb-Ft2	Max Load Inertia Wk2 Lb-Ft2	Shaft Material	Frame Material	DE Bracket Type	ODE Bracket Type	Mounting	Enclosure	Protection
-	-	Standard	Aluminum	Standard	Standard	B3	TEFC	IP55

Ball Bearings		Grease	Mount Type	Orientation	Cold Start (Secs)	Paint
DE	ODE					
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 : 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
1,00	0,75	333 / 575	3455	TEFC	80	60	N	2	7	H	35

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,96	0,96	1,05	1,10	1,19	1,38	1,74
Torq ft/lbs	0	0,37	0,74	1,13	1,52	1,98	2,54
RPM	0	3564	3528	3491	3455	3313	3096
Eff %	0	50,2	67,1	73,9	77,0	75,0	68,9
PF %	0	37,5	53,1	69,3	82,0	84,5	86,1

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	1620	2700	3455	3600	S1	1,15	40°C	3,300 ft	-
Current (Amps)	8,34	6,68	4,67	1,19	0,96	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	3,50	2,97	3,50	1,52	0,0	CT :	10:1	VT :	20:1	

