

# MaxMotion

## IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA90S-6-35**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
1,00	0,75	333 / 575	7,48	82,5%	0,71	1,15	90S	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	2,22	/	1,29	/	/	5,8	1120

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
35,2	3	S1	H	40°C	1000 M	42

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	82,5%	Full Load:	0,71	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	79,2%	3/4 Load:	0,60	LRT %	210	/	-	-
1/2 Load:	71,9%	1/2 Load:	0,46	BDT %	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					
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 : 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	1120	TEFC	90S	60	N	6	5,8	H	42

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	1,04	1,04	1,14	1,19	1,29	1,49	1,89
Torq ft/lbs	0	1,11	2,26	3,46	4,69	6,11	7,85
RPM	0	1180	1160	1140	1120	1074	1004
Eff %	0	53,7	71,9	79,2	82,5	80,4	73,8
PF %	0	32,4	46,0	60,0	71,0	73,1	74,6

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	540	900	1120	1200	S1	1,15	40°C	3,300 ft	-
Current (Amps)	7,48	5,99	4,19	1,29	1,04	<b>VFD Rating: Meets MG1 parts 31.4.4.2</b>				
Torque (ft-lbs)	9,85	8,37	9,85	4,69	0,0	CT :	10:1	VT :	20:1	

