

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE1

Catalog #: **IJA712-4-35**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
0,50	0,37	333 / 575	3,69	70,0%	0,75	1,15	71	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	1,22	/	0,71	/	/	5,2	1595

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
12,1	3	S1	H	40°C	1000 M	39

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	70,0%	Full Load:	0,75	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	67,2%	3/4 Load:	0,63	LRT %	210	/	-	-
1/2 Load:	61,0%	1/2 Load:	0,49	BDT %	220	/	-	-

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					
6202ZZ-C3	6202ZZ-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 IE1											
HP	Kw	VAC	RPM	Enclosure	Frame	Frequency	Design	Poles	LR Is/In	Insulation Class	Temp. Rise °C
0,50	0,37	333 / 575	1595	TEFC	71	60	N	4	5,2	H	39

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	0,57	0,57	0,63	0,66	0,71	0,82	1,04
Torq ft/lbs	0	0,38	0,77	1,20	1,65	2,15	2,76
RPM	0	1749	1698	1646	1595	1530	1429
Eff %	0	45,6	61,0	67,2	70,0	68,2	62,7
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
Speed (RPM)	0	810	1350	1595	1800	S1	1,15	40°C	3,300 ft	-
Current (Amps)	3,69	2,95	2,07	0,71	0,57	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	3,46	2,94	3,62	1,65	0,0	CT :	10:1	VT :	20:1	

