

MaxMotion

IEC PERFORMANCE DATA SHEET IEC Efficiency Level IE3

Catalog #: **IJA290L-6-35**

HP	kW	Voltage	L.R. Amps	Efficiency	Power Factor	Service Factor	Frame	Design
1,50	1,12	333 / 575	10,37	87,5%	0,73	1,15	90L	N

60 Hz								
FLA							Is/In	F.L. RPM
208	230	333	460	575	796	990		
/	/	2,98	/	1,73	/	/	6	1134

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
49,2	3	S1	H	40°C	1000 M	42

% Efficiency		% Power Factor		Torque			Protector Type	Winding Resist. Ω
Full Load:	87,5%	Full Load:	0,73	FLT ft.lbs	60Hz	50Hz		
3/4 Load:	84,0%	3/4 Load:	0,62	LRT %	200	/	-	-
1/2 Load:	76,2%	1/2 Load:	0,47	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
1,50	1,12	333 / 575	1134	TEFC	90L	60	N	6	6	H	42

Load %	0%	25%	50%	75%	100%	125%	150%
Amps	1,40	1,40	1,53	1,60	1,73	1,99	2,53
Torq ft/lbs	0	1,66	3,38	5,14	6,95	9,06	11,63
RPM	0	1184	1167	1151	1134	1088	1016
Eff %	0	57,0	76,2	84,0	87,5	85,2	78,3
PF %	0	33,4	47,3	61,7	73,0	75,2	76,7

	Locked Rotor	Pull-Up	Breakdown	Rated Load	Idle	Duty	S. F.	Ambient	Elevation	dBA @ 1M
Speed (RPM)	0	540	900	1134	1200	S1	1,15	40°C	3,300 ft	-
Current (Amps)	10,37	8,29	5,81	1,73	1,40	VFD Rating: Meets MG1 parts 31.4.4.2				
Torque (ft-lbs)	13,89	11,81	14,59	6,95	0,0	CT :	10:1	VT :	20:1	

