

Selection and Ordering Data

1000 rev/min. 6-Pole. 50Hz. Degree of Protection IP55, Class F Insulation

Rated Output		Frame Size	Order No. (for Order No. suffixes for voltage and type of construction, see table below)	Operating characteristics at rated output					Locked rotor current	Locked rotor torque	Break-down torque	Rotor Class	GD ² of rotor	Weight approx.
				Rated Current at 415V	Efficiency	Power Factor	Rated Speed	Rated Torque						
kW	hp			A	%		rev/min	kgfm	current	torque	torque	KL	kgfm ²	kg
7.5	10	160M	1LAO 163-6YB..	15.5	87	0.78	955	7.6	5.5	2.3	2.5	13	0.22	130
11	15	160L	1LAO 166-6YB..	21.5	88	0.81	955	11.2	5.5	2.3	2.5	13	0.28	145
15	20	180M	1LAO 185-6YA..	29	89	0.82	970	15.1	5.7	2.5	2.3	16	0.8	170
18.5	25	200L	1LAO 206-6YA..	35	90	0.82	975	18.5	6.0	2.5	2.3	16	1.16	220
22	30	200L	1LAO 207-6YA..	41	90.5	0.82	975	22.0	6.0	2.5	2.3	16	1.32	235
30	40	225S	1LAO 223-6YA..	55	91.5	0.83	978	29.9	5.7	2.5	2.3	16	2.28	305
37	50	250M	1LAO 253-6YA..	67	92	0.84	980	36.8	6.0	2.3	2.3	16	3.56	410
45	60	280S	1LAO 280-6YA..	80	92.5	0.85	982	44.6	6.0	2.3	2.3	16	5.2	540
55	75	280M	1LAO 283-6YA..	97	93	0.85	982	54.6	6.0	2.3	2.3	16	6.0	580
75	100	315S	1LSO 310-6YA..	131	93.5	0.85	985	74.2	6.0	2.3	2.5	16	9.6	770
90	120	315M	1LAO 313-6YA..	157	94	0.85	985	89.0	6.0	2.3	2.5	16	11.6	830
110	150	315L	1LAO 316-6YA..	191	94.5	0.85	985	108.8	6.0	2.3	2.5	16	14.0	970
132	180	315L	1LSO 317-6YA..	229	94.5	0.85	985	130.5	6.0	2.3	2.5	16	17.2	1060
160	215	355L	1LAO 356-6YB..	276	95	0.85	988	157.7	6.5	2.1	2.3	13	24.0	1460
200	270	355L	1LAO 357-6YB..	343	95.5	0.85	988	197.2	6.5	2.1	2.3	13	30.0	1580
250	355	355L	1LAO 358-6YB..	428	95.5	0.85	988	246.5	6.5	2.1	2.3	13	36.4	1790

750 rev/min. 8-Pole. 50Hz. Degree of Protection IP55, Class F Insulation

Rated Output		Frame Size	Order No. (for Order No. suffixes for voltage and type of construction, see table below)	Operating characteristics at rated output					Locked rotor current	Locked rotor torque	Break-down torque	Rotor Class	GD ² of rotor	Weight approx.
				Rated Current at 415V	Efficiency	Power Factor	Rated Speed	Rated Torque						
kW	hp			A	%		rev/min	kgfm	current	torque	torque	KL	kgfm ²	kg
5.5	7.5	160M	#1LAO 164-8YB..	13	84.5	0.72	710	7.5	4.5	1.9	2.3	13	0.22	130
7.5	10	160L	#1LAO 166-8YB..	17	84.5	0.72	710	10.3	4.5	1.9	2.3	13	0.28	145
11	15	180L	1LAO 186-8YB..	24	87	0.74	725	14.8	5.0	2.0	2.2	13	0.84	175
15	20	200L	1LAO 207-8YB..	31	87.5	0.77	725	20.2	5.0	2.0	2.2	13	1.48	245
18.5	25	225S	1LAO 220-8YB..	37	88.5	0.79	725	24.9	5.0	1.9	2.2	13	2.32	300
22	30	225M	1LAO 223-8YB..	43	89	0.80	725	29.6	5.0	1.9	2.2	13	2.64	325
30	40	250M	1LAO 253-8YB..	57	90.5	0.81	730	40.0	5.0	2.1	2.2	13	4.4	435
37	50	280M	1LAO 280-8YB..	69	91.5	0.81	730	49.4	5.0	2.1	2.2	13	5.6	550
45	60	280M	1LAO 283-8YB..	83	92	0.82	730	60.0	5.0	2.1	2.2	13	6.4	600
55	75	315S	1LAO 310-8YB..	102	92.5	0.81	737	72.7	5.5	2.1	2.4	13	9.2	740
75	100	315M	1LAO 313-8YB..	137	93	0.82	737	99.1	5.5	2.1	2.4	13	12.0	850
90	120	315L	1LAO 316-8YB..	163	93.5	0.82	737	118.9	5.5	2.1	2.4	13	14.4	990
110	150	315L	1LAO 317-8B..	199	94	0.82	737	145.4	5.5	2.1	2.4	13	17.6	1100
132	180	355L	1LAO 356-8YB..	240	94.5	0.81	738	174.2	6.0	2.1	2.2	13	24.8	1440
160	215	355L	1LAO 357-8YB..	291	94.5	0.81	738	211.2	6.0	2.1	2.2	13	30.0	1580
200	270	355L	1LAO 358-8YB..	362	95	0.81	740	263.2	6.0	2.1	2.2	13	37.2	1790

TEMPERATURE RISE LIMITED TO CLASS B FOR ALL MOTORS EXCEPT THOSE MARKED #

(Values subject to tolerance as per IS : 325)

Order No. Suffixes

Motor type	Last place but one : Figure denoting voltage		Last place : Figure denoting type of construction				
	415Y.50Hz Standard V & f variation	*Other voltage and/or frequency (& voltage & frequency variation)	IM B3	At additional price			
				IM B5	IMV 1 without canopy	IMV 1 with canopy	IM B 35
1Lao 163 to 313	7	9	0	1	1	4	6
1Lao 316 to 357	7	9	0	---	8	4	6

*Details of voltage / connection / frequency / voltage & frequency variation should be additionally given in plain text.

