

T.E.F.C. 3 PHASE CAGE MOTORS

Frame size 63 to 132M, Insulation class F, suitable for 400V \pm 10%, 50 Hz \pm 5%, ambient temperature 40°C, IP 55 protection, conforming to IEC 34-1

Selection and Ordering data

Rated Output	Frame Size	Torque Class	Moment of Inertia	Performance at rated output					Locked rotor torque	Locked rotor current	Break down torque	Order No.	Weight approx.
				Rated Speed	Efficiency	Power Factor	Rated current at 400V	Rated torque					
			J						for direct on line starting as multiples of			Order No. suffix for type of construction, see table below	
kw		KL	kg m ²	rpm	%		A	Nm	Rated torque	Rated current	Rated torque		kg
3000 rpm (2 pole)													
0.18	63	16	0.00018	2820	68	0.78	0.49	0.61	2.4	4.6	2.6	1LA2 060-2AA1.	4.0
0.25	63	16	0.00023	2830	69	0.79	0.67	0.85	2.2	4.6	2.3	1LA2 063-2AA1.	4.5
0.37	71	16	0.00035	2750	67	0.80	1.00	1.3	2.3	4.3	2.3	1LA7 070-2AA1.	5.0
0.55	71	16	0.00045	2790	71	0.81	1.38	1.9	2.3	4.9	2.3	1LA7 073-2AA1.	6.6
0.75	80	16	0.00085	2850	74	0.83	1.76	2.5	2.4	6.0	2.3	1LA7 080-2AA1.	8.2
1.1	80	16	0.0011	2835	76	0.84	2.45	3.7	2.6	6.1	2.3	1LA7 083-2AA1.	9.9
1.5	90 S	16	0.0015	2860	78	0.82	3.40	5.0	2.5	6.2	2.5	1LA7 090-2AA1.	12.9
2.2	90 L	16	0.002	2850	80	0.85	4.65	7.4	2.8	6.8	2.8	1LA7 096-2AA6.	15.7
3.0	100 L	16	0.0038	2895	83.5	0.85	6.1	9.8	2.6	6.8	2.8	1LA7 106-2AA6.	23
4.0	112 M	16	0.0055	2990	85.5	0.88	7.7	13	2.4	7.2	2.9	1LA7 113-2AA6.	30
5.5	132 S	16	0.016	2915	84.5	0.85	11.1	18	2.0	5.2	2.8	1LA7 130-2AA6.	43
7.5	132 S	16	0.021	2915	86.0	0.86	14.7	25	2.3	6.3	3.0	1LA7 131-2AA6.	53
1500 rpm (4 pole)													
0.12	63	13	0.0003	1380	59	0.67	0.45	0.83	2.1	3.2	2.3	1LA2 060-4AB1.	4.0
0.18	63	13	0.0004	1350	60	0.75	0.57	1.3	1.8	3.2	1.8	1LA2 063-4AB1.	4.5
0.25	71	16	0.0006	1325	61	0.73	0.81	1.8	1.8	3.0	1.8	1LA7 070-4AA1.	4.8
0.37	71	16	0.0008	1375	66	0.77	1.05	2.5	2.0	3.7	2.0	1LA7 073-4AA1.	6.0
0.55	80	16	0.0015	1395	71	0.79	1.42	3.7	2.3	4.7	2.4	1LA7 080-4AA1.	8.0
0.75	80	16	0.0018	1395	74	0.79	1.86	5.1	2.5	5.0	2.6	1LA7 083-4AA1.	9.4
1.1	90 S	16	0.0028	1410	74	0.81	2.65	7.5	2.1	5.0	2.5	1LA7 090-4AA1.	12.3
1.5	90 L	16	0.0035	1410	74	0.81	3.6	10	2.2	4.9	2.6	1LA7 096-4AA6.	15.6
2.2	100 L	16	0.0048	1420	80	0.82	4.9	15	2.5	5.2	2.6	1LA7 106-4AA6.	24
3.0	100 L	16	0.0058	1420	81.5	0.83	6.4	20	2.6	5.5	2.8	1LA7 107-4AA6.	26
4.0	112 M	16	0.011	1440	84	0.83	8.3	27	2.7	6.5	3.0	1LA7 113-4AA6.	31
5.5	132 S	16	0.018	1455	86	0.81	11.4	36	2.4	6.3	3.1	1LA7 130-4AA6.	45
7.5	132 M	16	0.024	1455	87.5	0.82	15.1	49	2.7	6.7	3.2	1LA7 133-4AA6.	56
Construction												IM B3 / IM B6 / IM B7 / IM B8 / IM V5 / IM V6	IM B5 / IM V1 / IM V3
Order No. suffix												0	1

Motors rated upto 1.5 kW are suitable for 230V Δ / 400 VY 50 Hz; or 460 VY 60 Hz

Motors rated 2.2 kW and above are suitable for 400V Δ / 690 VY 50 Hz; or 460V Δ 60 Hz