

Single-phase motors with high starting torque (50 Hz)

Tab. 72 - TEFC construction - squirrel-cage rotor - continuous duty S1 - insulation class

F - IP55 protection - cap start + cap run

Series LME 2 pole - 240V - 50 Hz

Motor type	Output power	Full Load Speed	Full Load Current	Eff.	Power Factor	Full Load Torque	Starting T Full Load T	Pull-out T Full Load T	Starting C Full Load C	cap run	cap start	Rotor Inertia	Weight
	P _n (kW)	n (1/min)	In-230V (A)	η %	cosφ	M _n (Nm)	Ma/Mn	Mm/Mn	Ia/In	C (μF)	C (μF-0+20%)	10 ⁻³ Kg·m ²	P (Kg)
63 C2	0.11	2780	0.92	56	0.93	0.39	1.9	1.5	2.8	4.0	8	0.11	4.5
63 S2	0.18	2840	1.28	62	0.98	0.62	1.6	1.6	3.0	6.3	16	0.14	5.0
63 L2	0.24	2815	1.70	60	0.98	0.83	1.8	1.8	3.1	8.0	16	0.18	5.5
71 C2	0.37	2810	3.00	59	0.90	1.25	2.5	2.0	3.3	16.0	31.5	0.41	7.0
71 S2	0.55	2800	4.20	68	0.83	1.83	1.9	1.9	3.5	16.0	31.5	0.55	8.5
80 C2	0.75	2820	5.20	69	0.91	2.21	2.8	2.0	4.1	25.0	80	1.05	1.4
80 S2	1.10	2880	6.20	75	0.99	3.63	2.3	1.9	5.0	25.0	100	1.08	8
90S C2	1.10	2815	8.00	76	0.78	3.75	2.6	1.9	3.8	32.0	100	1.62	5.3
90L S2	1.50	2805	10.00	75	0.87	4.99	2.6	1.8	3.6	36.0	125	1.87	7.3
90L L2	1.80	2830	11.00	80	0.89	6.19	1.6	1.9	3.7	40.0	100	2.09	18.7
90L A2	2.20	2880	12.50	80	0.90	7.50	1.7	1.9	5.0	40.0	125	2.11	19.3
100L C2	2.20	2820	12.50	80	0.92	7.36	1.8	1.8	4.6	50.0	125	4.05	24.5

Series LME 4 pole - 240V - 50 Hz

Motor type	Output power	Full Load Speed	Full Load Current	Eff.	Power Factor	Full Load Torque	Starting T Full Load T	Pull-out T Full Load T	Starting C Full Load C	cap run	cap start	Rotor Inertia	Weight
	P _n (kW)	n (1/min)	In-230V (A)	η %	cosφ	M _n (Nm)	Ma/Mn	Mm/Mn	Ia/In	C (μF)	C (μF-0+20%)	10 ⁻³ Kg·m ²	P (Kg)
63 A4	0.11	1400	1.10	48	0.89	0.76	1.9	1.6	2.0	8.0	16.0	0.27	4.5
63 C4	0.18	1350	1.60	54	0.89	1.29	1.7	1.1	2.0	8.0	31.5	0.34	4.9
71 S4	0.29	1300	2.30	65	0.84	2.08	1.7	1.6	2.6	12.5	31.5	0.95	7.8
71 L4	0.37	1370	2.90	65	0.85	2.58	1.4	1.5	3.4	16.0	31.5	1.08	8.5
80 C4	0.37	1375	2.60	66	0.94	2.59	1.8	1.5	2.5	16.0	31.5	2.00	9.8
80 S4	0.55	1395	4.30	66	0.84	3.78	2.1	1.7	3.4	16.0	80.0	2.41	11.3
80 L4	0.75	1435	5.20	68	0.91	4.90	2.0	1.9	4.1	25.0	100.0	2.70	12.8
90L C4	1.10	1435	8.00	74	0.81	7.35	2.0	1.9	3.9	25.0	100.0	3.13	15.4
90L S4	1.50	1410	9.50	78	0.88	10.01	2.0	1.4	3.4	32.0	100.0	3.73	17.6
100L C4	1.80	1400	12.00	76	0.86	12.46	2.1	1.6	3.2	50.0	125.0	5.83	22.8
100L S4	2.20	1440	12.10	85	0.86	15.21	1.5	1.3	3.2	50.0	156.0	6.00	23.8

Series LME 6 pole - 240V - 50 Hz

Motor type	Output power	Full Load Speed	Full Load Current	Eff.	Power Factor	Full Load Torque	Starting T Full Load T	Pull-out T Full Load T	Starting C Full Load C	cap run	cap start	Rotor Inertia	Weight
	P _n (kW)	n (1/min)	In-230V (A)	η %	cosφ	M _n (Nm)	Ma/Mn	Mm/Mn	Ia/In	C (μF)	C (μF-0+20%)	10 ⁻³ Kg·m ²	P (Kg)
71 C6	0.15	920	1.40	58	0.80	1.52	1.9	1.4	2.2	6.3	16	1.24	8.0
80 C6	0.26	930	2.20	60	0.85	2.68	1.3	1.2	2.3	10.0	31.5	2.00	8.8
80 S6	0.37	940	3.00	65	0.82	3.70	1.9	1.6	2.9	16.0	50	2.47	10.0
90L C6	0.55	950	4.20	68	0.83	5.93	3.0	1.3	2.7	31.5	80	5.20	16.5
90L S6	0.75	950	5.10	70	0.79	7.46	3.4	1.6	3.0	40.0	100	5.85	18.0
100L C6	1.10	935	6.90	73	0.88	11.18	1.9	1.4	2.4	50.0	125	6.73	19.0
100L S6	1.5	890	8.80	75	0.98	15.70	2.0	1.4	2.9	50.0	156	9.43	22.5