

Motor Rating			230V			400V			415V			500V			690V		
Kw	Cosp	η %	Rated Motor Current A	Fuse starting D.O.L A	Y/ Δ A	Rated Motor Current A	Fuse starting D.O.L A	Y/ Δ A	Rated Motor Current A	Fuse starting D.O.L A BS	Y/ Δ BS	Rated Motor Current A	Fuse starting D.O.L A	Y/ Δ A	Rated Motor Current A	Fuse starting D.O.L A	Y/ Δ A
0.06	0.7	58	0.37	2	-	0.21	2	-	0.21	2	2	0.17	2	-	0.12	2	-
0.09	0.7	60	0.54	2	-	0.31	2	-	0.30	2	2	0.25	2	-	0.18	2	-
0.12	0.7	60	0.72	4	2	0.41	2	-	0.40	2	2	0.33	2	-	0.24	2	-
0.18	0.7	62	0.75	4	2	0.6	2	-	0.58	2	2	0.48	2	-	0.35	2	-
0.25	0.7	62	1.4	4	2	0.8	4	2	0.8	4	2	0.7	2	-	0.5	2	-
0.37	0.72	66	2	6	4	1.1	4	2	1.1	4	2	0.9	2	2	0.7	2	-
0.55	0.75	69	2.7	10	4	1.5	4	2	1.5	6	4	1.2	4	2	0.9	4	2
0.75	0.79	74	3.2	10	4	1.9	6	4	1.8	6	4	1.5	4	2	1.1	4	2
1.1	0.81	74	4.6	10	6	2.6	6	4	2.6	10	6	2.1	6	4	1.5	4	2
1.5	0.81	74	6.3	16	10	3.6	6	4	3.5	16	10	2.9	6	4	2.1	6	4
2.2	0.81	78	8.7	20	10	5	10	6	4.8	16	10	4	10	4	2.9	10	4
3	0.82	80	11.5	25	16	6.6	16	10	6.4	20	16	5.3	16	6	3.8	10	4
4	0.82	83	14.8	32	16	8.5	20	10	8.2	20	16	6.8	16	10	4.9	16	6
5.5	0.82	86	19.6	32	25	11.3	25	16	10.9	25	20	9	20	16	6.5	16	10
7.5	0.82	87	26.4	50	32	15.2	32	16	14.6	35	25	12.1	25	16	8.8	20	10
11	0.84	87	38	80	40	21.7	40	25	20.9	50	32	17.4	32	20	12.6	25	16
15	0.84	88	51	100	63	29.3	63	32	28.2	80	40	23.4	50	25	17	32	20
18.5	0.84	88	63	125	80	36	63	40	35	80	50	28.9	50	32	20.9	32	25
22	0.84	92	71	125	80	41	80	50	40	80	50	33	63	32	23.8	50	25
30	0.85	92	96	200	100	55	100	63	53	100	80	44	80	50	32	63	32
37	0.86	92	117	200	125	68	125	80	65	125	80	54	100	63	39	80	50
45	0.86	93	141	250	160	81	160	100	78	125	80	65	125	80	47	80	63
55	0.86	93	173	250	200	99	200	125	96	160	100	79	160	80	58	100	63
75	0.86	94	233	315	250	134	200	160	129	250	160	107	200	125	78	160	100
90	0.86	94	279	400	315	161	250	200	155	250	160	129	200	160	93	160	100
110	0.86	94	342	500	400	196	315	200	189	315	200	157	250	160	114	200	125
132	0.87	95	401	630	500	231	400	250	222	355	250	184	250	200	134	250	160
160	0.87	95	486	630	630	279	400	315	269	355	315	224	315	250	162	250	200
200	0.87	95	607	800	630	349	500	400	337	450	355	279	400	315	202	315	250
250	0.87	95	-	-	-	437	630	500	421	500	450	349	500	400	253	400	315
315	0.87	96	-	-	-	544	800	630	525	630	560	436	630	500	316	500	400
400	0.88	96	-	-	-	683	1000	800	-	-	-	547	800	630	396	630	400
450	0.88	96	-	-	-	769	1000	800	-	-	-	615	800	630	446	630	630
500	0.88	97	-	-	-	-	-	-	-	-	-	-	-	-	491	630	630
560	0.88	97	-	-	-	-	-	-	-	-	-	-	-	-	550	800	630
630	0.88	97	-	-	-	-	-	-	-	-	-	-	-	-	618	800	630

(Approximate figures for squirrel-cage motors).

Minimum fuse size for short-circuit protection of 3-phase motors.

The maximum size is determined by the requirements of the switchgear or overload relay

The rated motor currents are for standard 1500 r.p.m. 3-phase enclosed ventilated and totally enclosed fan-cooled motors.

D.O.L. starting : maximum starting current 6 x rated motor current. Maximum starting time : 5 s.

Y/ Δ starting : maximum starting current 2 x rated motor current. Maximum starting time : 15 s.
set overload relay in the phase lead to 0.58 x rated motor current.

Rated fuse currents for Y/ Δ starting are also valid for 3-phase motors with slip-ring rotors.

For higher rated currents, starting currents / longer starting times, larger fuses will be required.

Table is valid for 'slow' / 'gL' fuses (DIN VDE 0636)

For NH fuses with aM characteristic, fuses = rated current selected.