

# Flameproof motors EEx d/EEx de IIB/IIC T4

## Technical data for totally enclosed squirrel cage three phase motors



IP 55, IC 411; Insulation class F, temperature rise class B

Output kW	Motor type	Product code	Speed r/min	Efficiency		Power factor cos φ	Current		Torque			Moment of inertia J=1/4GD <sup>2</sup> kgm <sup>2</sup>	Weight EEx d kg	EEx de	Sound pressure level L <sub>p</sub> dB(A)	
				FL	3/4		I <sub>N</sub>	I <sub>s</sub>	T <sub>N</sub>	T <sub>s</sub>	T <sub>max</sub>					
50 Hz	60 Hz			100%	75%		A	I <sub>N</sub>	Nm	T <sub>N</sub>	T <sub>N</sub>					
<b>750 r/min = 8 poles</b>			<b>400 V 50 Hz</b>										<b>Basic design</b>			
0.18	0.22	M3JP/KP 80 MA	3GJP/KP 084 310-**G	720	51.8	46.6	0.46	1.08	3.2	2.4	3.7	4.0	0.0022	38	29	36
0.25	0.3	M3JP/KP 80 MB	3GJP/KP 084 320-**G	705	56.0	52.5	0.56	1.15	3.0	3.4	2.6	2.8	0.0022	38	29	36
0.37	0.45	M3JP/KP 90 SLA	3GJP/KP 094 010-**G	696	63.6	62.1	0.62	1.34	3.0	5.1	2.0	2.2	0.0036	50	41	36
0.55	0.65	M3JP/KP 90 SLC	3GJP/KP 094 030-**G	695	65.0	63.1	0.6	2.05	3.1	7.6	2.2	2.4	0.0037	52	43	36
0.75	0.9	M3JP/KP 100 LA	3GJP/KP 104 510-**G	720	73.5	71.1	0.57	2.6	3.8	10	2.0	2.9	0.012	66	57	44
1.1	1.3	M3JP/KP 100 LB	3GJP/KP 104 520-**G	717	74.0	71.7	0.55	3.9	3.7	15	2.1	2.9	0.012	66	57	46
1.5	1.75	M3JP/KP 112 MC	3GJP/KP 114 330-**G	713	75.6	73.9	0.57	5	3.7	20	2.0	2.7	0.014	70	61	44
2.2	2.5	M3JP/KP 132 SMC	3GJP/KP 134 230-**G	720	78.6	77.6	0.64	6.3	4.7	29	2.0	2.9	0.034	104	95	59
3	3.5	M3JP/KP 132 SMD	3GJP/KP 134 240-**G	710	79.3	79.5	0.69	8	4.1	40	1.7	2.3	0.036	106	97	59
4	4.6	M3JP/KP 160 MLA	3GJP/KP 164 410-**G	717	83.0	83.1	0.7	10.1	5.2	53	1.8	2.8	0.071	152	146	59
5.5	6.4	M3JP/KP 160 MLB	3GJP/KP 164 420-**G	715	84.1	84.6	0.7	13.9	5.2	73	1.9	2.8	0.09	166	160	53
7.5	8.6	M3JP/KP 160 MLC	3GJP/KP 164 430-**G	718	86.4	87.1	0.69	18.4	5.7	100	2.1	3.1	0.121	194	188	55
11	13	M3JP/KP 180 MLB	3GJP/KP 184 420-**G	724	89.9	90.0	0.72	24.5	5.7	145	1.7	2.7	0.239	233	227	63
15	17	M3JP/KP 200 MLA	3GJP/KP 204 410-**G	734	90.4	90.5	0.78	31	7.0	195	2.4	3.2	0.45	315	295	56
18.5	21	M3JP/KP 225 SMA	3GJP/KP 224 210-**G	734	90.5	90.5	0.73	41	6.1	241	2.2	3.0	0.61	370	350	55
22	25	M3JP/KP 225 SMB	3GJP/KP 224 220-**G	732	90.7	91.0	0.76	46	6.5	287	2.2	2.9	0.68	385	365	56
30	34	M3JP/KP 250 SMA	3GJP/KP 254 210-**G	735	92.0	92.1	0.78	61	6.7	390	2.0	2.9	1.25	455	435	56
37	43	M3JP/KP 280 SMA	3GJP/KP 284 210-**G	741	93.4	93.3	0.78	74	7.3	477	1.7	3.0	1.85	705	625	65
45	55	M3JP/KP 280 SMB	3GJP/KP 284 220-**G	741	94.0	93.8	0.78	90	7.6	580	1.8	3.1	2.2	745	665	65
55	63	M3JP/KP 315 SMA	3GJP/KP 314 210-**G	742	94.1	94.0	0.81	104	7.1	708	1.6	2.7	3.2	930	850	62
75	85	M3JP/KP 315 SMB	3GJP/KP 314 220-**G	741	94.4	94.3	0.82	141	7.1	968	1.7	2.7	4.1	1030	950	62
90	105	M3JP/KP 315 SMC	3GJP/KP 314 230-**G	741	94.8	94.7	0.82	167	7.4	1161	1.8	2.7	4.9	1100	1020	64
110	125	M3JP/KP 315 MLA	3GJP/KP 314 410-**G	740	95.0	95.0	0.83	203	7.3	1420	1.8	2.7	5.8	1250	1170	72
132	155	M3JP/KP 355 SMA	3GJP/KP 354 210-**G	744	95.5	95.3	0.8	250	7.5	1694	1.5	2.6	7.9	1630	1550	69
160	185	M3JP/KP 355 SMB	3GJP/KP 354 220-**G	744	95.6	95.5	0.8	305	7.6	2054	1.6	2.6	9.7	1790	1710	69
200	230	M3JP/KP 355 SMC	3GJP/KP 354 230-**G	743	95.7	95.6	0.8	378	7.4	2570	1.6	2.6	11.3	1930	1850	69
250	285	M3JP/KP 355 MLB	3GJP/KP 354 420-**G	743	95.9	95.8	0.8	476	7.5	3213	1.6	2.7	13.5	2370	2210	72
315	360	M3JP/KP 400 LA	3GJP/KP 404 510-**G	744	96.4	96.3	0.81	582	7.0	4043	1.2	2.6	17	3180	3020	71
315	360	M3JP/KP 400 LKA	3GJP/KP 404 810-**G	744	96.4	96.3	0.81	582	7.0	4043	1.2	2.6	17	3180	3020	71
355	400	M3JP/KP 400 LB	3GJP/KP 404 520-**G	743	96.4	96.3	0.82	650	6.8	4563	1.2	2.5	21	3480	3320	71
355	400	M3JP/KP 400 LKB	3GJP/KP 404 820-**G	743	96.4	96.3	0.82	650	6.8	4563	1.2	2.5	21	3480	3320	71
400	450	M3JP/KP 400 LC	3GJP/KP 404 530-**G	744	96.6	96.5	0.82	735	7.4	5134	1.3	2.7	24	3680	3520	71
400	450	M3JP/KP 400 LKC	3GJP/KP 404 830-**G	744	96.6	96.5	0.82	735	7.4	5134	1.3	2.7	24	3680	3520	71
<b>750 r/min = 8 poles</b>			<b>400 V 50 Hz</b>										<b>High-output design</b>			
18.5	21	M3JP/KP 200 MLB	3GJP/KP 204 420-**G	734	90.3	90.5	0.79	37.5	6.9	241	2.2	3.2	0.54	335	315	57
30	34 <sup>1)</sup>	M3JP/KP 225 SMC	3GJP/KP 224 230-**G	731	90.3	90.7	0.76	63	6.3	392	2.3	3.0	0.75	410	390	59
37	42	M3JP/KP 250 SMB	3GJP/KP 254 220-**G	737	92.8	92.7	0.77	75	7.5	479	2.3	3.4	1.52	500	480	59
55	65	M3JP/KP 280 SMC	3GJP/KP 284 230-**G	741	94.4	94.3	0.8	105	7.9	709	1.9	3.1	2.85	825	745	65

<sup>1)</sup> Temperature rise class F.

<sup>2)</sup> Nominal power lower than CENELEC+1.