

Technical data for Ex de IIB/IIC T4 Gb Flameproof IE2 cast iron motors

IP 55 - IC 411 - Insulation class F, temperature rise class B
IE2 efficiency class according to IEC 60034-30-1; 2014



Output kW	Motor type	Product code	Speed r/min	Efficiency			Power factor cosphi	Current		Torque			Moment of inertia J=1/4 GD ² kgm ²	Weight kg	Sound pressure level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _N A	I _L I _N	T _N N _m	T _L T _N	T _B T _N			
3000 r/min = 2 poles				400 V 50 Hz			CENELEC-design								
0.75	M3KP 80MA 2	3GKP081310-••H	2877	80.1	79.5	75.7	0.85	1.54	7.1	7.3	4.0	4.6	0.0006	28	59
1.1	M3KP 80MB 2	3GKP081320-••H	2831	81.6	82.3	80.5	0.87	2.3	6.2	3.7	2.6	3.3	0.0007	30	59
1.5	M3KP 90SLA 2	3GKP091010-••H	2881	82.0	82.2	79.9	0.88	3.0	6.7	4.9	3.0	3.5	0.001	41	61
2.2	M3KP 90SLC 2	3GKP091030-••H	2877	83.7	84.4	83.7	0.89	4.3	7.8	7.3	2.7	3.5	0.0014	44	61
3	M3KP 100LA 2	3GKP101510-••H	2896	86.0	86.5	84.8	0.90	5.7	6.6	9.9	2.0	2.6	0.0036	61	65
4	M3KP 112MB 2	3GKP111320-••H	2891	86.0	87.0	87.0	0.89	7.6	6.9	13.2	2.0	3.0	0.0043	64	65
5.5	M3KP 132SMB 2	3GKP131220-••H	2905	87.0	86.4	84.4	0.89	10.5	6.8	18.0	2.6	3.4	0.009	92	71
7.5	M3KP 132SMD 2	3GKP131240-••H	2914	89.2	89.7	88.7	0.90	13.7	7.5	24.6	3.3	3.6	0.012	100	71
11	M3KP 160MLA 2	3GKP161410-••H	2931	90.1	90.4	89.3	0.89	20.2	6.7	35.8	2.5	3.2	0.043	207	71
15	M3KP 160MLB 2	3GKP161420-••H	2929	91.2	91.7	90.8	0.89	27.0	7.2	48.9	2.9	3.4	0.052	216	71
18.5	M3KP 160MLC 2	3GKP161430-••H	2934	91.6	92.4	92.3	0.90	32.4	7.4	60.3	3.1	3.5	0.062	227	69
22	M3KP 180MLA 2	3GKP181410-••H	2938	91.7	92.3	91.8	0.90	39.1	7.0	71.4	2.5	3.2	0.089	259	69
30	M3KP 200MLA 2	3GKP201410-••G	2956	93.2	93.6	93.0	0.88	52.7	7.4	96.9	3.0	3.2	0.15	290	74
37	M3KP 200MLC 2	3GKP201430-••G	2954	93.6	94.0	93.4	0.89	64.7	7.5	120	2.8	3.2	0.19	320	75
45	M3KP 225SMB 2	3GKP221220-••G	2968	93.8	93.9	93.0	0.87	78.8	7.2	144	2.7	3.0	0.26	380	76
55	M3KP 250SMA 2	3GKP251210-••G	2975	94.3	94.2	93.2	0.89	95.1	7.8	176	2.4	3.1	0.49	440	75
75 ¹⁾	M3KP 280SMA 2	3GKP281210-••G	2977	94.3	93.8	92.2	0.88	131	7.6	240	2.1	3.0	0.8	645	77
90 ¹⁾	M3KP 280SMB 2	3GKP281220-••G	2976	94.6	94.7	93.8	0.89	154	7.4	288	2.1	2.9	0.9	685	77
110 ¹⁾	M3KP 315SMA 2	3GKP311210-••G	2982	94.9	94.4	92.9	0.86	197	7.4	352	2.2	3.2	1.2	900	78
132 ¹⁾	M3KP 315SMB 2	3GKP311220-••G	2982	95.1	94.8	93.6	0.88	227	7.4	422	2.2	3.0	1.4	960	78
160 ¹⁾	M3KP 315SMC 2	3GKP311230-••G	2981	95.4	95.2	94.2	0.89	271	7.5	512	2.3	3.0	1.7	1045	78
200 ¹⁾	M3KP 315MLA 2	3GKP311410-••G	2980	95.7	95.7	94.9	0.90	335	7.7	640	2.6	3.0	2.1	1210	78
250 ¹⁾	M3KP 355SMA 2	3GKP351210-••G	2984	95.7	95.5	94.5	0.89	423	7.7	800	2.1	3.3	3.0	1630	83
315 ¹⁾	M3KP 355SMB 2	3GKP351220-••G	2980	95.7	95.6	95.0	0.89	531	7.0	1009	2.1	3.0	3.4	1710	83
355 ¹⁾	M3KP 355SMC 2	3GKP351230-••G	2984	95.7	95.7	94.9	0.88	603	7.2	1136	2.2	3.0	3.6	1780	83
400 ¹⁾	M3KP 355MLA 2	3GKP351410-••G	2982	96.9	96.6	95.9	0.88	677	7.1	1280	2.3	2.9	4.1	2030	83
450 ¹⁾	M3KP 355MLB 2	3GKP351420-••G	2983	97.1	97.0	96.4	0.90	743	7.9	1440	2.2	2.9	4.3	2110	83
500 ¹⁾	M3KP 355LKA 2	3GKP351810-••G	2982	96.9	96.9	96.5	0.90	827	7.5	1601	2.0	3.9	4.8	2350	83
560 ³⁾	M3KP 400LA 2	3GKP401510-••G	2988	97.2	97.2	96.6	0.89	934	7.8	1789	2.5	3.7	7.9	3070	82
560 ³⁾	M3KP 400LKA 2	3GKP401810-••G	2988	97.2	97.2	96.6	0.89	934	7.8	1789	2.5	3.7	7.9	3070	82
630 ³⁾	M3KP 400LB 2	3GKP401520-••G	2987	97.4	97.2	96.7	0.89	1049	7.6	2014	2.6	3.7	8.2	3170	82
630 ³⁾	M3KP 400LKB 2	3GKP401820-••G	2987	97.4	97.2	96.7	0.89	1049	7.6	2014	2.6	3.7	8.2	3170	82
710 ³⁾	M3KP 400LC 2	3GKP401530-••G	2987	97.5	97.4	96.9	0.89	1178	7.2	2270	2.6	3.4	9.3	3420	82
710 ³⁾	M3KP 400LKC 2	3GKP401830-••G	2987	97.5	97.4	96.9	0.89	1178	7.2	2270	2.6	3.4	9.3	3420	82
3000 r/min = 2 poles				400 V 50 Hz			High-output design								
9.2 ²⁾	M3KP 132SME 2	3GKP131250-••H	2875	86.9	88.2	87.9	0.91	16.9	6.0	30.6	2.6	2.9	0.012	100	71
22 ²⁾	M3KP 160MLD 2	3GKP161440-••H	2929	91.2	91.9	91.4	0.90	38.3	7.5	71.7	3.1	3.3	0.07	233	77
30	M3KP 180MLB 2	3GKP181420-••H	2943	92.5	93.2	92.6	0.90	52.2	7.1	97.2	2.3	3.2	0.13	292	78
37	M3KP 180MLC 2	3GKP181430-••H	2950	92.8	93.1	92.8	0.90	64.9	8.1	120	3.3	3.7	0.13	292	77
45	M3KP 200MLE 2	3GKP201450-••G	2945	93.3	93.5	93.1	0.88	79.4	7.3	146	2.9	3.1	0.22	325	79
55	M3KP 225SMC 2	3GKP221230-••G	2965	93.9	94.2	93.5	0.88	95.8	7.1	177	2.6	3.0	0.29	400	80
67 ⁴⁾	M3KP 225SMD 2	3GKP221240-••G	2966	93.9	93.9	93.0	0.86	120	7.4	215	2.8	3.2	0.31	410	78
75	M3KP 250SMB 2	3GKP251220-••G	2969	93.8	93.9	93.2	0.89	129	7.9	241	2.6	3.1	0.57	480	80
90 ⁴⁾	M3KP 250SMC 2	3GKP251230-••G	2965	94.4	94.5	93.9	0.89	153	7.7	289	2.5	3.0	0.59	490	80
110 ³⁾	M3KP 280SMC 2	3GKP281230-••G	2978	95.1	95.1	94.5	0.90	186	7.9	352	2.4	3.0	1.15	745	77

¹⁾ 3dB(A) sound pressure level reduction with unidirectional fan construction. Direction of rotation must be stated when ordering, see variant codes 044 and 045

²⁾ Efficiency class IE1

³⁾ Unidirectional fan construction as standard. Direction of rotation must be stated when ordering, see variant codes 044 and 045

⁴⁾ For 400-415 V 50 Hz (380 V 50 Hz voltage code B)