

**Flameproof motors – EEx d IIB/IIC T4 - M2JA
EEx de IIB/IIC T4 - M2KA**

**Insulation class F
Temperature rise class B**

**Cast iron frame
IP 55 IC 411**

Nominal voltage 380-400- 415 V 50 Hz ¹⁾

400 V 50 Hz / 440 V 60 Hz

Output kW	De- sign	Type designa- tion	Product code	Speed		Efficiency		Power factor cos φ	Current		Torque			Moment of inertia J=1/4 GD ² kgm ²	Weight kg	Sound pres- sure level L _p dB(A) 50 Hz
				50 Hz	60 Hz	50 Hz	75%		I _N	I _s	T	T _s	T _{max}			
0.37	0.45	80 LS	083 310-→B	945	1140	66.8	64.0	0.50	1.7	4.2	3.7	4.3	4.4	0.002	24	42
0.55	0.65	80 L	083 320-→B	910	1105	67.0	69.2	0.62	2	3.8	5.7	2.8	2.9	0.002	24	42
0.75	0.9	90 S	093 110-→B	930	1120	69.1	69.6	0.67	2.4	3.7	7.7	2.1	2.3	0.0032	32	44
1.1	1.3	90 L	093 510-→B	930	1120	72.8	70.9	0.69	3.3	4.3	11.3	2.4	2.7	0.0043	37	44
1.5	1.75	100 L	103 510-→B	950	1130	78.0	77.5	0.71	4.2	4.9	15.1	1.8	2.4	0.0082	47	47
2.2	2.5	112 M	113 310-→B	950	1150	78.2	79.9	0.71	5.9	4.8	22.1	2.3	2.5	0.01	51	50
3	3.5	132 S	133 110-→B	960	1160	83.6	81.1	0.75	7.1	6.4	29.8	2.4	3.1	0.031	79	61
4	4.6	132 MA	133 310-→B	960	1160	84.8	85.2	0.78	8.9	7.1	40	2.6	2.8	0.038	82	61
5.5	6.3	132 MB	133 320-→B	955	1155	84.8	85.7	0.78	12.2	6.9	55	2.8	2.8	0.045	96	61
7.5	9.8	160 M	163 300-→B	970	1165	89.3	90.1	0.79	15.4	6.7	74	2.0	2.8	0.088	127	62
11	13	160 L	183 500-→B	970	1170	89.8	90.4	0.78	23	7.1	109	2.2	2.9	0.106	150	62
15	17.5	180 L	183 500-→B	970	1165	90.5	91.1	0.78	31	7.0	148	2.1	3.0	0.207	195	62
18.5	19	²⁾ HO 180 LB	183 520-→B	965	1165	90.6	91.5	0.79	37.5	6.2	183	2.0	2.6	0.221	205	62
18.5	22	200 MLA	203 410-→B	985	1180	91.1	91.2	0.81	36	7.0	179	2.5	2.7	0.37	270	63
22	26	200 MLB	203 420-→B	980	1175	91.7	91.8	0.81	43	7.2	214	2.5	2.7	0.43	285	63
30	35	225 SMB	223 220-→B	985	1185	92.8	92.6	0.83	56	6.6	291	2.5	2.7	0.64	350	63
37	44	^{HO} 225 SMC	223 230-→B	985	1180	93.2	93.5	0.83	69	7.7	359	3.1	3.0	0.75	380	67
37	43	250 SMA	253 210-→B	985	1185	93.5	93.8	0.83	69	7.3	359	2.8	2.8	1.16	455	63
45	52	^{HO} 250 SMB	253 220-→B	985	1185	94.1	94.2	0.84	82	7.3	436	2.8	2.8	1.49	500	64
45	55	280 SMA	283 210-→A	990	1186	94.5	94.5	0.84	82	6.9	434	2.5	2.5	1.85	570	66
55	63	280 SMB	283 220-→A	990	1187	94.7	94.7	0.84	101	7.0	531	2.7	2.6	2.2	610	66
75	86	^{HO} 280 SMC	283 230-→A	990	1187	95.2	95.2	0.84	137	7.3	723	2.9	2.8	2.85	690	66
75	86	315 SMA	313 210-→A	992	1191	95.0	94.7	0.82	141	7.4	722	2.4	2.8	3.2	840	68
90	105	315 SMB	313 220-→A	992	1191	95.5	95.3	0.84	163	7.5	866	2.4	2.8	4.1	930	68
110	125	315 SMC	313 230-→A	991	1190	95.6	95.5	0.83	202	7.4	1060	2.5	2.9	4.9	1000	68
132	150	315 MLA	313 410-→A	991	1190	95.8	95.7	0.83	240	7.5	1272	2.7	3.0	5.8	1120	68
160	195	355 S	353 100-→A	992	1190	95.9	95.7	0.85	280	6.8	1540	1.8	2.7	10.4	1550	75
200	230	355 SMA	353 210-→A	992	1191	95.9	95.7	0.85	355	7.1	1925	2.0	2.7	12.5	1800	75
250	300	355 SMB	353 220-→A	992	1191	96.0	95.8	0.84	450	7.5	2407	2.2	2.8	12.5	1800	75
315	360	355 MLA	353 410-→A	991	1189	96.2	96.1	0.84	565	7.3	3036	2.0	3.0	14.6	2100	75
355	400	355 MLC	353 430-→A	991	1190	96.4	96.3	0.84	635	7.6	3421	1.5	3.0	15.8	2100	78
250	300	400 M	403 300-→A	992	1191	96.0	95.8	0.84	450	7.5	2407	2.2	2.8	12.5	2000	75
315	360	400 MA	403 310-→A	991	1189	96.2	96.1	0.84	565	7.3	3036	2.0	3.0	14.6	2150	75
355	400	400 MB	403 320-→A	991	1190	96.4	96.3	0.84	635	7.6	3421	1.5	3.0	15.8	2150	78
400	450	400 LKA	403 510-→A	992	1191	96.5	96.4	0.85	700	6.4	3851	1.2	2.7	16.5	2800	80
450	510	400 LKB	403 520-→A	993	1192	96.5	96.4	0.85	790	6.8	4328	1.3	2.8	19	3050	80
500	560	²⁾ 400 LKC	403 530-→A	992	1192	96.5	96.4	0.85	880	6.8	4813	1.3	2.8	19	3050	80

¹⁾ Motors are certified for the voltages 380-400-415 V 50 Hz according to IEC 34-1. Values above are given for 400 V 50 Hz; data for other voltages on request.

²⁾ Temperature rise class F

³⁾ On request

Design HO = High-output design. The output of these motors is one step higher than the basic with rated outputs in accordance with CENELEC:

Detailed technical data on 440 V 60 Hz on request.

**Note: When ordering IIC motors, please add variant code:
461 = EEx d(e) design, Group IIC**