

Technical data

IE2 cast iron motors, 3000 r/min

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 IEC 60034-30-1; 2014			Power factor Cos φ	Current Torque					Moment of inertia J = 1/4 GD²kgm²	Weight kg	Sound pressure level L _{PA} dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I _N		T _N Nm	T _r /T _N T _b /T _N				
								A	I _s /I _N						
3000 r/min = 2 poles				400 V 50 Hz				CENELEC-design							
0.37	M3BP 71 MA 2	3GBP071321-●●B	2768	74.8	74.7	71.0	0.78	0.91	4.5	1.27	2.2	2.3	0.000390	11	58
0.55	M3BP 71 MB 2	3GBP071322-●●B	2813	77.8	78.3	76.0	0.79	1.29	4.3	1.86	2.4	2.5	0.000510	11	56
0.75	M3BP 80 MB 2	3GBP081322-●●B	2895	80.6	79.9	76.2	0.74	1.81	7.7	2.4	4.2	4.2	0.00100	16	57
1.1	M3BP 80 MC 2	3GBP081323-●●B	2870	81.8	82.4	80.2	0.80	2.4	7.5	3.6	2.7	3.5	0.00120	18	60
1.5	M3BP 90 SLB 2	3GBP091322-●●B	2900	82.2	84.1	82.7	0.86	3.0	7.5	4.9	2.5	2.6	0.00254	24	69
2.2	M3BP 90 SLC 2	3GBP091323-●●B	2885	84.7	86.7	85.7	0.87	4.3	6.8	7.2	1.9	2.5	0.00280	25	64
3	M3BP 100 LB 2	3GBP101322-●●B	2925	85.2	84.9	82.8	0.86	5.9	9.1	9.7	3.1	3.5	0.00528	36	68
4	M3BP 112 MB 2	3GBP111322-●●B	2895	86.1	87.0	86.6	0.86	7.7	8.1	13.1	2.9	3.2	0.00575	37	70
5.5	M3BP 132 SMB 2	3GBP131322-●●B	2865	88.0	88.6	88.0	0.86	10.4	7.0	18.3	2.0	2.7	0.01275	68	70
7.5	M3BP 132 SMC 2	3GBP131324-●●B	2890	88.6	88.8	87.5	0.84	14.5	7.3	24.7	2.0	3.6	0.01359	70	70
11	M3BP 160 MLA 2	3GBP161031-●●G	2938	90.6	91.5	91.1	0.90	19.2	7.5	35.7	2.4	3.1	0.044	127	69
15	M3BP 160 MLB 2	3GBP161036-●●G	2934	91.5	92.4	92.2	0.90	26.0	7.5	48.8	2.5	3.3	0.053	141	69
18.5	M3BP 160 MLC 2	3GBP161037-●●G	2932	92.0	93.1	93.1	0.92	31.5	7.5	60.2	2.9	3.4	0.063	170	69
22	M3BP 180 MLA 2	3GBP181031-●●G	2952	92.2	92.7	92.2	0.87	39.5	7.7	71.1	2.8	3.3	0.076	190	69
30	M3BP 200 MLA 2	3GBP201035-●●G	2956	93.1	93.5	92.8	0.90	51.6	7.7	96.9	2.7	3.1	0.178	283	72
37	M3BP 200 MLB 2	3GBP201036-●●G	2959	93.4	93.7	92.9	0.90	63.5	8.2	119	3.0	3.3	0.196	298	72
45	M3BP 225 SMA 2	3GBP221031-●●G	2961	93.6	93.9	93.1	0.88	78.8	6.7	145	2.5	2.5	0.244	347	74
55	M3BP 250 SMA 2	3GBP251031-●●G	2967	94.1	94.4	93.8	0.88	95.8	6.8	177	2.2	2.7	0.507	405	75
75	³⁾ M3BP 280 SMA 2	3GBP281210-●●G	2978	94.3	94.1	92.8	0.88	130	7.6	240	2.1	3.0	0.800	625	77
90	³⁾ M3BP 280 SMB 2	3GBP281220-●●G	2976	94.6	94.5	93.5	0.90	152	7.4	288	2.1	2.9	0.900	665	77
110	³⁾ M3BP 315 SMA 2	3GBP311210-●●G	2982	94.9	94.4	92.9	0.86	194	7.6	352	2.0	3.0	1.20	940	78
132	³⁾ M3BP 315 SMB 2	3GBP311220-●●G	2982	95.1	94.8	93.6	0.88	227	7.4	422	2.2	3.0	1.40	940	78
160	³⁾ M3BP 315 SMC 2	3GBP311230-●●G	2981	95.4	95.2	94.2	0.89	271	7.5	512	2.3	3.0	1.70	1025	78
200	³⁾ M3BP 315 MLA 2	3GBP311410-●●G	2980	95.7	95.7	94.9	0.90	335	7.7	640	2.6	3.0	2.10	1190	78
250	³⁾ M3BP 355 SMA 2	3GBP351210-●●G	2984	95.7	95.5	94.5	0.89	423	7.7	800	2.1	3.3	3.00	1600	83
315	³⁾ M3BP 355 SMB 2	3GBP351220-●●G	2980	95.7	95.7	95.1	0.89	533	7.0	1009	2.1	3.0	3.40	1680	83
355	³⁾ M3BP 355 SMC 2	3GBP351230-●●G	2984	95.7	95.7	95.2	0.88	608	7.2	1136	2.2	3.0	3.60	1750	83
400	³⁾ M3BP 355 MLA 2	3GBP351410-●●G	2982	96.9	96.6	95.9	0.88	677	7.1	1280	2.3	2.9	4.10	2000	83
450	³⁾ M3BP 355 MLB 2	3GBP351420-●●G	2983	97.1	97.0	96.4	0.90	743	7.9	1440	2.2	2.9	4.30	2080	83
500	³⁾ M3BP 355 LKA 2	3GBP351810-●●G	2982	96.9	96.9	96.5	0.90	827	7.5	1601	2.0	3.9	4.80	2320	83
560	²⁾ M3BP 400 LA 2	3GBP401510-●●G	2988	97.2	97.2	96.6	0.89	934	7.8	1789	2.1	3.4	7.90	2950	82
560	²⁾ M3BP 400 LKA 2	3GBP401810-●●G	2988	97.2	97.2	96.6	0.89	934	7.8	1789	2.1	3.4	7.90	2950	82
560	³⁾ M3BP 355 LKB 2	3GBP351820-●●G	2983	97.0	97.0	96.5	0.90	925	8.0	1792	2.2	4.1	5.20	2460	83
630	²⁾ M3BP 400 LB 2	3GBP401520-●●G	2987	97.4	97.4	96.9	0.89	1048	7.8	2014	2.2	3.4	8.20	3050	82
630	²⁾ M3BP 400 LKB 2	3GBP401820-●●G	2987	97.4	97.4	96.9	0.89	1048	7.8	2014	2.2	3.4	8.20	3050	82
710	²⁾ M3BP 400 LC 2	3GBP401530-●●G	2987	97.5	97.4	97.0	0.89	1180	7.8	2269	2.6	3.4	9.30	3300	82
710	²⁾ M3BP 400 LKC 2	3GBP401830-●●G	2987	97.5	97.4	97.0	0.89	1180	7.8	2269	2.6	3.4	9.30	3300	82
800	^{1) 2)} M3BP 450 LA 2	3GBP451510-●●G	2990	97.2	97.1	96.4	0.88	1349	7.8	2554	1.3	3.2	12.5	4000	85
900	^{1) 2)} M3BP 450 LB 2	3GBP451520-●●G	2990	97.3	97.2	96.6	0.88	1517	7.8	2874	1.5	3.1	14.0	4200	85
1000	^{1) 4)} M3BP 450 LC 2	3GBP451530-●●G											15.5	4400	85

¹⁾Temperature rise class F

²⁾Unidirectional fan, variant code 044 or 045 is mandatory

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

⁴⁾Data on request