

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 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 _s /I _N	T _N Nm	T _i /T _N	T _b /T _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

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 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 _s /I _N	T _N Nm	T _f /T _N	T _b /T _N				
3000 r/min = 2 poles				400 V 50 Hz				High-output design								
22	M3BP 160 MLD 2	3GBP161034-••G	2933	91.7	92.8	92.8	0.90	38.0	8.1	71.6	3.2	3.6	0.063	170	69	
27	M3BP 160 MLE 2	3GBP161035-••G	2939	92.2	93.1	93.0	0.90	46.4	8.8	87.7	3.4	3.8	0.072	184	69	
30	M3BP 180 MLB 2	3GBP181032-••G	2950	92.7	93.5	93.3	0.88	53.0	7.9	97.1	2.8	3.3	0.092	208	69	
45	M3BP 200 MLC 2	3GBP201033-••G	2957	93.3	93.8	93.2	0.88	79.1	8.1	145	3.1	3.3	0.196	298	72	
55 ¹⁾	M3BP 200 MLD 2	3GBP201034-••G	2953	93.8	94.4	94.3	0.89	95.0	7.8	177	2.9	3.3	0.217	314	72	
55	M3BP 225 SMB 2	3GBP221032-••G	2961	93.9	94.3	93.6	0.88	96.0	6.5	177	2.4	2.5	0.274	369	74	
75 ¹⁾	M3BP 225 SMC 2	3GBP221033-••G	2969	94.4	94.6	94.0	0.84	136	7.4	241	3.2	3.1	0.309	396	74	
75	M3BP 225 SMD 2	3GBP221034-••G	2967	94.4	94.6	94.0	0.87	131	7.7	241	3.2	3.0	0.329	410	74	
80 ¹⁾	M3BP 225 SMD 2	3GBP221034-••G	2964	94.4	94.8	94.3	0.87	140	7.3	257	3.0	2.8	0.329	410	74	
90 ¹⁾	M3BP 250 SMC 2	3GBP251033-••G	2971	95.0	95.3	94.9	0.89	153	7.6	289	2.5	3.1	0.644	487	75	
110 ²⁾	M3BP 280 SMC 2	3GBP281230-••G	2978	95.1	95.0	94.2	0.90	185	7.9	352	2.4	3.0	1.15	725	77	
132 ²⁾	M3BP 280 MLA 2	3GBP281410-••G	2977	95.3	95.3	95.0	0.91	219	7.5	423	2.5	3.0	1.40	840	81	
160 ²⁾	M3BP 280 MLB 2	3GBP281420-••G	2976	95.5	95.5	95.2	0.91	265	7.6	513	2.8	3.0	1.55	890	81	
250 ²⁾	M3BP 315 LKA 2	3GBP311810-••G	2980	95.7	95.7	95.2	0.89	423	8.1	801	2.8	2.9	2.65	1440	78	
315 ¹⁾²⁾	M3BP 315 LKC 2	3GBP311830-••G	2981	95.7	95.7	95.4	0.89	533	8.8	1009	3.2	3.2	3.30	1630	78	

¹⁾ Temperature rise class F

²⁾ -3 dB(A) sound pressure level reduction with unidirectional fan construction. The direction of rotation of the fan must be stated when ordering, see variant codes 045 and 045.