

Technical data

Cast iron motors, 750 r/min

IP 55 - IC 411 - Insulation class F, temperature rise class B
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			
750 r/min = 8 poles				400 V 50 Hz			CENELEC-design								
0.09	M3BP 71 MA 8	3GBP074101-••B	660	49.4	46.0	38.5	0.59	0.44	2.0	1.3	1.8	2.0	0.00089	11	40
0.12	M3BP 71 MB 8	3GBP074102-••B	670	51.4	47.5	39.9	0.56	0.6	2.1	1.71	2.8	2.4	0.00110	12	43
0.18	M3BP 80 MA 8	3GBP084101-••B	700	57.4	54.5	47.4	0.62	0.73	3.6	2.4	2.2	2.5	0.00187	15	45
0.25	M3BP 80 MB 8	3GBP084102-••B	680	61.5	61.0	55.6	0.65	0.9	3.0	3.5	2.0	1.9	0.00239	17	50
0.37	M3BP 90 SLB 8	3GBP094102-••B	705	66.3	64.0	57.1	0.54	1.49	2.8	5.0	1.4	2.2	0.00444	24	50
0.55	M3BP 90 SLC 8	3GBP094103-••B	655	61.8	65.6	65.2	0.67	1.91	2.3	8.0	1.3	1.5	0.00491	25	53
0.75	M3BP 100 LA 8	3GBP104101-••B	710	74.0	73.0	68.2	0.61	2.3	3.6	10.0	1.8	2.5	0.00720	30	46
1.1	M3BP 100 LB 8	3GBP104102-••B	695	76.0	76.5	74.6	0.66	3.1	3.4	15.1	1.7	2.2	0.00871	30	53
1.5	M3BP 112 M 8	3GBP114101-••B	690	74.4	75.9	74.1	0.70	4.1	3.2	20.7	1.4	1.9	0.0106	39	55
2.2	M3BP 132 SMA 8	3GBP134101-••B	715	79.7	80.8	78.7	0.66	6.0	3.2	29.3	1.1	1.7	0.0334	70	56
3	M3BP 132 SMB 8	3GBP134102-••B	715	79.9	80.8	79.1	0.64	8.4	4.7	40.0	1.2	1.8	0.040	75	58
4	M3BP 160 MLA 8	3GBP164031-••G	728	84.0	85.1	83.6	0.67	10.2	5.4	52.4	1.5	2.6	0.068	120	59
5.5	M3BP 160 MLB 8	3GBP164032-••G	726	84.6	85.9	84.8	0.67	13.9	5.6	72.3	1.4	2.6	0.085	134	59
7.5	M3BP 160 MLC 8	3GBP164033-••G	727	86.0	87.3	86.5	0.65	19.3	4.7	98.5	1.5	2.8	0.132	184	59
11	M3BP 180 MLA 8	3GBP184031-••G	731	86.7	88.3	87.8	0.67	27.3	4.4	143	1.8	2.6	0.214	233	59
11	M3BP 180 ML A 8	3GBP184033-••G	728	88.5	89.2	88.2	0.75	23.9	6.3	144	2.0	3.0	0.236	240	59
15	M3BP 200 MLA 8	3GBP204031-••G	737	90.1	91.3	90.8	0.74	32.4	5.3	194	2.0	2.4	0.450	290	60
18.5	M3BP 225 SMA 8	3GBP224031-••G	739	91.0	92.0	91.5	0.73	40.1	5.2	239	2.0	2.3	0.669	350	63
22	M3BP 225 SMB 8	3GBP224032-••G	738	91.6	92.3	92.0	0.74	46.8	5.5	284	2.0	2.3	0.722	363	63
30	M3BP 250 SMA 8	3GBP254031-••G	742	92.3	92.8	92.2	0.71	66.0	5.8	386	2.6	2.4	1.40	440	63
37	M3BP 280 SMA 8	3GBP284210-••G	741	92.7	92.7	91.6	0.78	74.0	7.3	476	1.7	3.0	1.85	605	65
45	M3BP 280 SMB 8	3GBP284220-••G	741	93.2	93.2	92.2	0.78	89.3	7.6	579	1.8	3.1	2.20	645	65
55	M3BP 315 SMA 8	3GBP314210-••G	742	93.4	93.5	92.7	0.81	106	7.1	707	1.6	2.7	3.20	830	62
75	M3BP 315 SMB 8	3GBP314220-••G	741	93.7	93.9	93.4	0.82	140	7.1	966	1.7	2.7	4.10	930	62
90	M3BP 315 SMC 8	3GBP314230-••G	741	94.0	94.2	93.6	0.82	168	7.4	1159	1.8	2.7	4.90	1000	64
110	M3BP 315 MLA 8	3GBP314410-••G	740	94.0	94.3	94.0	0.83	204	7.3	1419	1.8	2.7	5.80	1150	72
132	M3BP 355 SMA 8	3GBP354210-••G	744	94.7	94.7	94.0	0.80	251	7.5	1694	1.5	2.6	7.90	1520	69
160	M3BP 355 SMB 8	3GBP354220-••G	744	95.2	95.2	94.5	0.80	303	7.6	2053	1.6	2.6	9.70	1680	69
200	M3BP 355 SMC 8	3GBP354230-••G	743	95.3	95.4	94.8	0.80	378	7.4	2570	1.6	2.6	11.3	1820	69
250	M3BP 355 MLB 8	3GBP354420-••G	743	95.4	95.5	95.0	0.80	472	7.5	3213	1.6	2.7	13.5	2180	72
315	M3BP 400 LA 8	3GBP404510-••G	744	96.1	96.2	95.8	0.81	584	7.0	4043	1.2	2.6	17.0	2900	71
315	M3BP 400 LKA 8	3GBP404810-••G	744	96.1	96.2	95.8	0.81	584	7.0	4043	1.2	2.6	17.0	2900	71
315 ¹⁾	M3BP 355 LKB 8	3GBP354820-••G	742	95.5	95.6	95.0	0.80	595	7.9	4053	1.7	2.7	16.5	2600	75
355	M3BP 400 LB 8	3GBP404520-••G	743	96.2	96.3	96.1	0.83	641	6.8	4562	1.2	2.5	21.0	3200	71
355	M3BP 400 LKB 8	3GBP404820-••G	743	96.2	96.3	96.1	0.83	641	6.8	4562	1.2	2.5	21.0	3200	71
400	M3BP 400 LC 8	3GBP404530-••G	744	96.3	96.4	96.0	0.82	731	7.4	5134	1.3	2.7	24.0	3400	71
400	M3BP 400 LKC 8	3GBP404830-••G	744	96.3	96.4	96.0	0.82	731	7.4	5134	1.3	2.7	24.0	3400	71
450	M3BP 450 LA 8	3GBP454510-••G	744	96.2	96.4	96.2	0.83	813	6.0	5775	1.0	2.5	26.0	3750	80
500	M3BP 450 LB 8	3GBP454520-••G	744	96.3	96.4	96.2	0.83	902	6.4	6417	1.0	2.6	29.0	4000	80
560	M3BP 450 LC 8	3GBP454530-••G	744	96.4	96.5	96.1	0.82	1022	7.0	7187	1.2	2.9	35.0	4350	80
630 ¹⁾	M3BP 450 LD 8	3GBP454540-••G	745	96.6	96.6	96.2	0.81	1162	7.6	8075	1.3	3.2	41.0	4800	80

¹⁾ Temperature rise class F

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				Full load 100%	3/4 load 75%	1/2 load 50%		I _N A	I _s /I _N	T _N Nm	T _r /T _N	T _b /T _N			
750 r/min = 8 poles				400 V 50 Hz				High-output design							
18.5	M3BP 200 MLB 8	3GBP204032-••G	739	90.1	90.9	90.3	0.74	40.0	5.4	239	2.1	2.3	0.530	318	60
30	M3BP 225 SMC 8	3GBP224033-••G	737	91.6	92.6	92.4	0.73	64.7	5.6	388	2.3	2.4	0.828	393	63
37	M3BP 250 SMB 8	3GBP254032-••G	740	92.7	93.6	93.4	0.73	78.9	5.4	477	2.6	2.3	1.510	468	63
55	M3BP 280 SMC 8	3GBP284230-••G	741	93.4	93.5	92.8	0.80	106	7.9	708	1.9	3.1	2.850	725	65
75	M3BP 280 MLB 8	3GBP284420-••G	739	93.7	93.9	93.3	0.80	144	6.7	969	1.7	2.6	4.10	890	72
132	M3BP 315 LKA 8	3GBP314810-••G	740	94.1	94.4	94.2	0.83	243	7.3	1703	1.8	2.6	7.30	1410	74
150	M3BP 315 LKB 8	3GBP314820-••G	741	94.3	94.6	94.3	0.83	276	7.7	1933	1.9	2.7	8.30	1520	74
160 ¹⁾	M3BP 315 LKC 8	3GBP314830-••G	740	94.2	94.6	94.3	0.83	295	7.7	2064	1.9	2.8	9.20	1600	74

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