

Technical data

IE2 cast iron motors, 1000 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			
1000 r/min = 6 poles															
400 V 50 Hz															
CENELEC-design															
0.18	M3BP 71 MA 6	3GBP073321-••B	900	63.7	63.8	59.0	0.71	0.57	3.1	1.9	2.0	2.1	0.000890	10	42
0.25	M3BP 71 MB 6	3GBP073322-••B	895	67.2	67.2	62.6	0.69	0.77	3.4	2.6	2.2	2.3	0.00110	12	42
0.37	M3BP 80 MA 6	3GBP083321-••B	915	71.0	71.1	67.0	0.69	1.09	3.6	3.8	1.8	2.2	0.00187	15	47
0.55	M3BP 80 MB 6	3GBP083322-••B	920	73.9	75.0	72.8	0.71	1.51	3.8	5.7	1.8	2.2	0.00239	17	47
0.75	M3BP 90 SLC 6	3GBP093323-••B	960	78.7	77.3	72.5	0.58	2.3	4.5	7.4	2.3	3.1	0.00491	25	44
1.1	M3BP 90 SLE 6	3GBP093324-••B	930	78.2	78.6	76.4	0.66	3.0	4.0	11.2	1.9	2.3	0.00540	28	44
1.5	M3BP 100 L 6	3GBP103322-••B	950	82.2	82.9	81.6	0.69	3.8	4.0	15.0	1.5	2.1	0.00873	37	49
2.2	M3BP 112 MB 6	3GBP113322-••B	950	82.5	83.8	81.7	0.69	5.5	4.4	22.1	1.7	2.3	0.0125	44	66
3	M3BP 132 SMB 6	3GBP133321-••B	975	85.3	84.5	81.3	0.63	8.0	5.5	29.3	1.8	2.9	0.0334	69	57
4	M3BP 132 SMC 6	3GBP133322-••B	960	84.9	85.3	83.9	0.68	10.0	4.6	39.7	1.5	2.2	0.0334	69	57
5.5	M3BP 132 SMF 6	3GBP133324-••B	965	86.1	86.6	85.5	0.71	12.9	5.1	54.4	2.0	2.3	0.0487	86	57
7.5	M3BP 160 MLA 6	3GBP163031-••G	975	88.5	89.9	89.7	0.79	15.4	7.4	73.4	1.7	3.2	0.0870	134	59
11	M3BP 160 MLB 6	3GBP163032-••G	972	89.3	90.6	90.5	0.79	22.5	7.5	108	1.9	2.9	0.114	172	59
15	M3BP 180 MLA 6	3GBP183031-••G	981	90.4	91.4	91.0	0.77	31.0	6.5	146	1.8	2.8	0.192	221	59
15	M3BP 180 MLA 6	3GBP183033-••G	977	90.2	91.2	90.7	0.76	31.5	5.8	146	1.8	2.7	0.168	207	59
18.5	M3BP 200 MLA 6	3GBP203031-••G	988	91.6	92.2	91.7	0.80	36.4	6.7	178	2.3	2.9	0.382	269	63
22	M3BP 200 MLB 6	3GBP203032-••G	987	92.0	92.9	92.7	0.82	42.0	6.6	212	2.2	2.8	0.448	291	63
30	M3BP 225 SMA 6	3GBP223031-••G	986	92.6	93.3	92.8	0.83	56.2	7.0	290	2.6	2.9	0.663	349	63
37	M3BP 250 SMA 6	3GBP253031-••G	989	93.1	93.8	93.4	0.82	69.9	6.8	357	2.4	2.7	1.130	395	63
45	M3BP 280 SMA 6	3GBP283210-••G	990	93.4	93.6	93.1	0.84	82.7	7.0	434	2.5	2.5	1.850	605	66
55	M3BP 280 SMB 6	3GBP283220-••G	990	93.8	94.0	93.3	0.84	100	7.0	530	2.7	2.6	2.20	645	66
75	M3BP 315 SMA 6	3GBP313210-••G	992	94.4	94.4	93.5	0.82	139	7.4	721	2.4	2.8	3.20	830	70
90	M3BP 315 SMB 6	3GBP313220-••G	992	94.8	94.8	94.2	0.84	163	7.5	866	2.4	2.8	4.10	930	70
110	M3BP 315 SMC 6	3GBP313230-••G	991	95.0	95.0	94.6	0.83	201	7.4	1059	2.5	2.9	4.90	1000	70
132	M3BP 315 MLA 6	3GBP313410-••G	991	95.3	95.4	94.9	0.83	240	7.5	1271	2.7	3.0	5.80	1150	68
200	M3BP 355 SMB 6	3GBP353220-••G	993	95.7	95.7	95.1	0.84	359	7.2	1923	2.2	2.7	9.70	1680	75
250	M3BP 355 SMC 6	3GBP353230-••G	993	95.7	95.7	95.1	0.83	454	7.4	2404	2.6	2.9	11.3	1820	75
315	M3BP 355 MLB 6	3GBP353420-••G	992	95.7	95.7	95.2	0.83	572	7.0	3032	2.5	2.7	13.5	2180	75
355	M3BP 355 LKA 6	3GBP353810-••G	992	95.7	95.7	95.1	0.83	645	7.6	3417	2.7	2.9	15.5	2500	75
400	¹⁾ M3BP 355 LKB 6	3GBP353820-••G	992	96.0	96.0	95.5	0.83	724	7.2	3850	2.6	2.6	16.5	2600	75
400	M3BP 400 LA 6	3GBP403510-••G	993	96.2	96.3	95.8	0.82	731	7.1	3846	2.3	2.7	17.0	2900	76
400	M3BP 400 LKA 6	3GBP403810-••G	993	96.2	96.3	95.8	0.82	731	7.1	3846	2.3	2.7	17.0	2900	76
450	M3BP 400 LB 6	3GBP403520-••G	994	96.6	96.6	96.1	0.82	819	7.4	4323	2.4	2.8	20.5	3150	76
450	M3BP 400 LKB 6	3GBP403820-••G	994	96.6	96.6	96.1	0.82	819	7.4	4323	2.4	2.8	20.5	3150	76
500	M3BP 400 LC 6	3GBP403530-••G	993	96.6	96.7	96.2	0.83	900	7.2	4808	2.5	2.7	22.0	3300	76
500	M3BP 400 LKC 6	3GBP403830-••G	993	96.6	96.7	96.2	0.83	900	7.2	4808	2.5	2.7	22.0	3300	76
560	M3BP 400 LD 6	3GBP403540-••G	993	96.9	96.9	96.4	0.85	981	7.4	5385	2.4	2.8	24.0	3400	77
560	M3BP 400 LKD 6	3GBP403840-••G	993	96.9	96.9	96.4	0.85	981	7.4	5385	2.4	2.8	24.0	3400	77
630	M3BP 450 LA 6	3GBP453510-••G	994	96.7	96.8	96.4	0.84	1119	6.5	6052	1.1	2.5	31.0	4150	81
710	M3BP 450 LB 6	3GBP453520-••G	995	96.9	96.9	96.5	0.85	1244	7.0	6814	1.3	2.5	37.0	4500	81
800	¹⁾ M3BP 450 LC 6	3GBP453530-••G	995	96.9	97.0	96.6	0.84	1418	7.2	7677	1.3	2.7	41.0	4800	81

¹⁾ Temperature rise class F

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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 _v /T _N				
1000 r/min = 6 poles				400 V 50 Hz				High-output design								
15	M3BP 160 MLC 6	3GBP163033-••G	971	89.7	91.2	91.2	0.77	31.3	7.3	147	1.8	3.6	0.131	185	59	
18.5	M3BP 180 MLB 6	3GBP183034-••G	975	90.7	92.0	92.0	0.79	37.2	5.8	181	1.7	2.7	0.198	221	59	
30 ¹⁾	M3BP 200 MLC 6	3GBP203033-••G	985	92.0	93.1	92.8	0.83	56.7	6.9	290	2.3	2.8	0.531	318	63	
37	M3BP 225 SMB 6	3GBP223034-••G	985	93.1	94.0	94.0	0.83	69.1	6.6	358	2.3	2.6	0.821	393	63	
45 ¹⁾	M3BP 225 SMC 6	3GBP223033-••G	984	92.6	93.9	94.0	0.83	84.4	6.4	436	2.3	2.6	0.821	393	63	
45	M3BP 250 SMB 6	3GBP253032-••G	989	93.4	94.1	93.9	0.83	83.7	7.0	434	2.5	2.7	1.37	441	63	
55 ¹⁾	M3BP 250 SMC 6	3GBP253033-••G	988	93.2	94.1	94.0	0.84	101	7.1	531	2.6	2.8	1.50	468	63	
75	M3BP 280 SMC 6	3GBP283230-••G	990	94.2	94.5	94.1	0.84	136	7.3	723	2.8	2.7	2.85	725	66	
90	M3BP 280 MLA 6	3GBP283410-••G	990	94.1	94.2	93.6	0.82	168	7.1	868	2.4	2.5	3.10	840	70	
110	M3BP 280 MLB 6	3GBP283420-••G	990	94.5	94.6	94.0	0.82	204	7.5	1061	2.7	2.6	4.10	890	70	
160	M3BP 315 LKA 6	3GBP313810-••G	992	95.3	95.3	94.7	0.83	291	7.5	1540	2.6	2.8	7.30	1410	74	
180	M3BP 315 LKB 6	3GBP313820-••G	992	95.3	95.4	94.8	0.83	328	7.4	1732	2.6	2.8	8.30	1520	74	
200	M3BP 315 LKC 6	3GBP313830-••G	989	95.4	95.6	95.3	0.85	355	6.8	1931	2.5	2.6	9.20	1600	74	

¹⁾Temperature rise class F