

# Technical data

## IE3 cast iron motors, 1500 r/min

IP 55 - IC 411 - Insulation class F, temperature rise class B  
IE3 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 <sup>2</sup> kgm <sup>2</sup>	Weight kg	Sound pressure Level L <sub>PA</sub> dB
				Full load 100%	3/4 load 75%	1/2 load 50%		I <sub>N</sub> A	I <sub>s</sub> /I <sub>N</sub>	T <sub>N</sub> Nm	T <sub>f</sub> /T <sub>N</sub>	T <sub>b</sub> /T <sub>N</sub>			
<b>1500 r/min = 4 poles</b>				<b>400 V 50 Hz</b>				<b>CENELEC-design</b>							
0.75	M3BP 80 MLE 4	3GBP082450-••L	1448	82.5	82.5	80.3	0.78	1.7	7.4	4.9	3.5	4.0	0.00330	22	50
1.1	M3BP 90 LA 4	3GBP092510-••L	1443	84.1	84.1	81.6	0.77	2.4	5.2	7.26	3.4	4.2	0.00490	28	56
1.5	M3BP 90 LB 4	3GBP092520-••L	1445	85.3	85.5	83.1	0.77	3.3	5.7	9.9	3.8	4.6	0.00670	32	56
2.2	M3BP 100 LA 4	3GBP102510-••L	1442	86.7	87.0	86.0	0.82	4.5	7.5	14	2.3	3.6	0.0109	38	56
3	M3BP 100 MLB 4	3GBP102420-••L	1444	87.7	88.4	87.6	0.81	6.1	7.0	19.8	3.3	4.1	0.0121	42	58
4	M3BP 112 ME 4	3GBP112350-••L	1455	88.6	88.4	87.5	0.76	9.0	7.8	26.0	3.5	4.3	0.0188	52	59
5.5	M3BP 132 SMB 4	3GBP132220-••L	1463	89.6	89.9	89.1	0.75	11.7	7.6	36.0	2.8	3.9	0.0295	68	70
7.5	M3BP 132 SME 4	3GBP132250-••L	1462	90.4	90.9	90.2	0.76	15.7	7.9	49.0	3.0	4.0	0.0376	78	64
11	M3BP 160 MLA 4	3GBP162051-••K	1473	92.2	93.0	92.7	0.84	20.4	7.7	71.3	2.6	2.9	0.108	173	62
15	M3BP 160 MLB 4	3GBP162052-••K	1474	92.6	93.4	93.2	0.84	27.8	7.9	97.1	2.8	3.3	0.125	187	62
18.5	M3BP 180 MLA 4	3GBP182051-••K	1481	93.3	94.0	93.8	0.82	34.9	7.6	119	3.0	3.1	0.217	235	62
22	M3BP 180 MLB 4	3GBP182052-••K	1480	93.3	94.1	94.1	0.82	41.5	8.2	141	2.8	3.1	0.217	235	62
30	M3BP 200 MLA 4	3GBP202051-••K	1484	94.4	94.8	94.6	0.84	54.6	8.3	193	3.0	3.3	0.366	319	63
37	M3BP 225 SMA 4	3GBP222051-••K	1482	94.9	95.5	95.4	0.86	65.4	7.7	238	2.8	3.1	0.536	398	66
45	M3BP 225 SMB 4	3GBP222052-••K	1482	95.2	95.6	95.5	0.85	80.2	7.9	289	2.8	3.2	0.536	398	66
55	M3BP 250 SMA 4	3GBP252051-••K	1485	95.4	95.9	95.7	0.85	97.8	7.9	353	3.0	3.3	0.933	476	67
75	M3BP 280 SMB 4	3GBP282220-••L	1484	95.0	95.1	94.6	0.85	134	6.5	482	2.3	2.8	1.38	645	75
90	M3BP 280 SMC 4	3GBP282230-••L	1485	95.2	95.4	94.9	0.86	159	7.1	578	2.5	2.9	1.73	700	75
110	M3BP 315 SMB 4	3GBP312220-••L	1489	95.4	95.4	94.8	0.85	195	7.0	705	2.1	3.0	2.43	930	71
132	M3BP 315 SMC 4	3GBP312230-••L	1488	95.6	95.7	95.3	0.86	231	6.7	847	2.2	2.9	2.90	1000	71
160	M3BP 315 SMD 4	3GBP312240-••L	1488	95.8	95.9	95.5	0.85	284	6.9	1026	2.2	3.0	3.20	1065	71
200	M3BP 315 MLB 4	3GBP312420-••L	1487	96.0	96.3	96.1	0.86	350	6.8	1284	2.4	3.0	3.90	1220	74
250	M3BP 355 SMA 4	3GBP352210-••L	1491	96.2	96.2	95.8	0.86	436	6.4	1601	2.1	2.9	5.90	1610	78
315	M3BP 355 SMB 4	3GBP352220-••L	1491	96.2	96.3	95.8	0.86	550	7.2	2017	2.3	3.3	6.90	1780	78
355	M3BP 355 SMC 4	3GBP352230-••L	1490	96.0	96.1	95.8	0.86	621	6.3	2273	2.3	2.8	7.20	1820	78

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				Full load 100%	3/4 load 75%	1/2 load 50%		I <sub>N</sub> A	I <sub>s</sub> /I <sub>N</sub>	T <sub>N</sub> Nm	T <sub>f</sub> /T <sub>N</sub>	T <sub>b</sub> /T <sub>N</sub>			
<b>1500 r/min = 4 poles</b>				<b>400 V 50 Hz</b>				<b>High-output design</b>							
110	M3BP 280 SMD 4	3GBP282240-••L	1486	95.4	95.7	95.3	0.85	196	7.3	707	2.7	3.0	1.95	750	76
132	M3BP 280 MLA 4	3GBP282410-••L	1483	95.6	95.9	95.7	0.86	232	7.0	849	2.7	2.8	2.30	840	75
160	M3BP 280 MLB 4	3GBP282420-••L	1484	95.8	96.0	95.8	0.86	280	7.4	1029	2.9	2.9	2.50	890	75
250	M3BP 315 LKA 4	3GBP312810-••L	1488	96.0	96.2	96.0	0.85	442	6.9	1604	2.5	3.2	4.40	1410	78
280	M3BP 315 LKB 4	3GBP312820-••L	1488	96.0	96.2	96.0	0.86	490	7.8	1797	2.7	3.1	5.00	1520	78
315	M3BP 315 LKC 4	3GBP312830-••L	1489	96.0	96.1	95.8	0.85	557	8.3	2020	3.0	3.3	5.50	1600	78