

**Totally enclosed squirrel cage
three phase motors, cast iron frame
two-speed motors, IP 55 IC 411**

**Insulation class F
Temperature rise class F**

400 V 50 Hz

Output kW	Motor type M2BA	Product code 3GBA	Speed r/min	Effi- ciency %	Power factor cos φ	Current		Torque			Moment of inertia J = ¼ GD ² kgm ²	Weight kg
						I _N A	I _s I _N	T _N Nm	T _s T _N	T _{max} T _N		
1500/1000 r/min = 4/6 poles												
Constant torque, two separate windings												
7.5/5.5	160 M	169 304-...D	1465/965	85.5/80.5	0.83/0.77	15.5/13.0	7.1/4.7	49/54	2.1/1.8	2.7/1.9	0.089	127
11.5/8.5	160 L	169 504-...D	1465/965	86.5/82.5	0.84/0.76	23/19.5	7.0/4.9	75/84	2.1/1.8	2.8/2.0	0.119	148
13/8	180 M	189 304-...D	1475/975	88.0/82.5	0.82/0.75	26/19.0	6.5/4.3	84/78	1.9/1.4	2.6/1.8	0.176	194
15/10	180 L	189 504-...D	1475/975	88.5/84.0	0.83/0.74	30/23	7.1/4.4	97/98	2.3/1.5	2.7/1.9	0.224	207
18/12	200 MLA	209 414-...D	1475/985	88.5/86.0	0.91/0.86	33/24	7.6/7.8	117/116	2.1/2.6	2.5/2.6	0.42	260
22/14.7	200 MLB	209 424-...D	1480/985	89.5/86.5	0.89/0.87	40/29	8.2/7.6	142/143	2.4/2.6	2.8/2.5	0.48	275
25/16.7	200 MLC	209 434-...D	1475/980	89.0/85.5	0.87/0.88	47/32	7.7/6.7	162/162	2.3/2.3	2.6/2.2	0.48	275
32/21	225 SMB	229 224-...D	1480/985	90.0/89.5	0.88/0.86	58/40	8.6/8.0	206/204	2.3/2.4	2.8/2.7	0.63	320
36/24	225 SMC	229 234-...D	1480/985	90.5/90.0	0.88/0.87	66/45	8.4/7.4	232/233	2.2/2.2	2.8/2.5	0.74	345
50/32	250 SMB	259 224-...D	1475/985	92.5/90.5	0.89/0.80	89/65	7.5/7.1	324/310	2.3/3.1	2.6/2.6	0.89	465
65/43	280 SMB	289 224-...A	1485/988	93.0/92.0	0.86/0.77	117/86	6.5/6.7	418/417	2.0/2.9	2.4/2.3	1.5	630
76/50	280 SMC	289 234-...A	1486/989	93.7/92.6	0.86/0.77	136/101	7.2/7.4	488/483	2.3/3.4	2.7/2.5	1.85	690
90/60	315 SMB	319 224-...A	1490/991	94.3/93.7	0.84/0.75	167/124	7.3/6.7	577/578	2.0/2.9	3.0/2.7	2.6	925
110/75	315 SMC	319 234-...A	1490/992	94.5/94.0	0.85/0.74	200/158	7.4/6.9	705/722	2.0/3.1	2.7/2.9	2.9	970
140/95	315 MLA	319 414-...A	1489/990	95.0/94.2	0.85/0.77	253/191	6.9/5.7	898/916	2.0/2.6	2.7/2.3	3.5	1080
135/90	355 S	359 104-...A	1486/991	94.0/93.5	0.88/0.80	235/175	6.9/7.4	868/867	1.4/1.9	3.0/3.2	6.5	1550
200/130	355 SMA	359 214-...A	1490/991	95.0/94.5	0.87/0.79	350/255	8.5/7.8	1282/1253	1.5/2.0	3.7/3.3	8.2	1800
1)	355 MLA	359 414-...A	1)									
1)	400 M	409 304-...A	1)									
1)	400 LKA	409 514-...A	1)									

1500/750 r/min = 4/8 poles												
Constant torque, two separate windings												
5.5/2.7	160 M	169 302-...D	1465/730	85.0/71.0	0.83/0.57	11.5/9.6	6.8/4.0	36/35	2.1/2.0	2.6/2.3	0.089	127
9/4.5	160 L	169 502-...D	1465/730	86.5/73.5	0.83/0.56	18/16	7.0/4.1	59/59	2.1/2.1	2.7/2.5	0.119	148
14/7	180 L	189 502-...D	1475/735	88.0/76.0	0.83/0.56	28/24	7.7/4.2	91/91	2.6/2.3	2.9/2.3	0.225	207
18.5/9.4	200 MLA	209 412-...D	1475/730	89.5/82.5	0.85/0.65	35/26	7.3/4.3	120/123	2.2/1.9	2.5/1.8	0.28	255
22/11	200 MLB	209 422-...D	1480/735	90.5/83.0	0.84/0.60	42/32	8.4/4.7	142/143	2.6/2.4	2.9/2.2	0.34	275
28/14	225 SMB	229 222-...D	1480/735	90.0/85.5	0.85/0.61	53/39	7.7/4.9	181/182	2.1/2.4	2.7/2.2	0.41	330
34/17	225 SMC	229 232-...D	1480/735	92.0/87.0	0.86/0.66	63/43	7.9/4.8	219/221	2.2/2.2	2.7/2.0	0.49	355
50/25	250 SMB	259 222-...D	1480/740	92.5/88.0	0.87/0.60	90/68	8.6/6.0	323/323	2.6/3.5	3.0/2.9	0.89	465
60/30	280 SMB	289 222-...A	1486/742	93.0/90.0	0.88/0.61	106/79	7.4/6.2	386/386	1.9/3.4	2.6/2.5	1.5	630
74/37	280 SMC	289 232-...A	1486/740	93.5/90.9	0.88/0.68	131/86	7.8/6.0	476/477	2.2/2.9	2.8/2.2	1.85	690
95/48	315 SMB	319 222-...A	1489/741	94.3/91.5	0.84/0.65	172/114	6.8/4.5	609/619	1.9/2.4	2.6/2.1	2.6	925
115/58	315 SMC	319 232-...A	1489/742	94.6/92.1	0.83/0.63	214/144	6.7/4.3	738/746	1.9/2.4	2.6/2.1	2.9	970
140/70	315 MLA	319 412-...A	1488/741	94.0/92.5	0.85/0.64	255/170	6.6/4.5	898/902	1.9/2.4	2.5/2.1	3.5	1080
160/80	355 S	359 102-...A	1488/741	94.5/93.0	0.87/0.72	280/175	8.1/5.3	1027/1031	1.5/1.4	3.4/2.3	6.5	1550
180/90	355 SMA	359 212-...A	1488/743	95.0/94.0	0.87/0.73	315/190	8.3/5.4	1155/1156	1.6/1.5	3.5/2.6	8.2	1800
250/125	355 MLA	359 412-...A	1489/741	95.3/94.0	0.87/0.72	435/270	8.8/5.6	1603/1611	1.8/1.6	3.7/2.5	10	2100
250/125	400 M	409 302-...A	1489/741	95.3/94.0	0.87/0.72	435/270	8.8/5.6	1603/1611	1.8/1.6	3.7/2.5	10	2150
1)	400 LKA	409 512-...A	1)									

1) On request

Please note that the frequency converter application in critical conditions may require special rotor design within 355 and 400 frame motors. We therefore recommend a separate checking.

Data for motor sizes 71 to 132 on request.