

# MOTOX Geared Motors

## Parallel shaft geared motors

### Geared motors up to 200 kW

#### Selection and ordering data

The selection tables show the most common variants and combinations. Other combinations can be selected using our MOTOX Configurator or made available on request.

At an identical power rating and output speed, priority is given in the selection tables to 4-pole geared motors.

At the available transmission ratios, they cover the majority of output speeds.

Due to their prevalence, 4-pole geared motors are easily available, with short delivery times and at a low cost. They also feature a favorable size / power ratio.

Power rating $P_{\text{Motor}}$ kW (50 Hz)	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg	
0.09	<b>FD.48B-LA71M8</b>							
	2.3	367	1.5	268.8	★ 2KJ1402 - CB13 - S1	P02	27	
	2.6	326	1.7	238.65	2KJ1402 - CB13 - R1	P02	27	
	3.0	285	1.9	209.23	★ 2KJ1402 - CB13 - Q1	P02	27	
	<b>FD.38B-LA71M8</b>							
	2.6	330	0.88	241.91	★ 2KJ1401 - CB13 - M1	P02	20	
	3.0	284	1.0	207.83	2KJ1401 - CB13 - L1	P02	20	
	<b>FD.38B-LA71B6</b>							
	3.2	269	1.1	280.41	2KJ1401 - CB13 - N1	P01	20	
	3.7	232	1.2	241.91	★ 2KJ1401 - CB13 - M1	P01	20	
	4.3	200	1.5	207.83	2KJ1401 - CB13 - L1	P01	20	
	4.7	184	1.6	191.34	★ 2KJ1401 - CB13 - K1	P01	20	
	0.12	<b>FD.188B-D48-LA71B4</b>						
		0.05	15 668	1.3	28 045	★ 2KJ1440 - CB13 - E1		638
0.06		12 819	1.6	22 946	★ 2KJ1440 - CB13 - C1		638	
0.06		14 134	1.4	25 299	2KJ1440 - CB13 - D1		638	
0.07		10 683	1.9	19 122	★ 2KJ1440 - CB13 - A1		638	
0.07		11 680	1.7	20 906	2KJ1440 - CB13 - B1		638	
<b>FD.188B-Z48-LA71B4</b>								
0.08		10 013	2.0	17 537	2KJ1438 - CB13 - A2		638	
<b>FD.168B-D48-LA71B4</b>								
0.05		16 202	0.86	29 000	2KJ1436 - CB13 - F1		455	
0.06		12 901	1.1	23 093	2KJ1436 - CB13 - D1		455	
0.06		14 302	0.98	25 599	★ 2KJ1436 - CB13 - E1		455	
0.07		10 661	1.3	19 083	2KJ1436 - CB13 - B1		455	
0.07		11 701	1.2	20 944	★ 2KJ1436 - CB13 - C1		455	
0.08		9 751	1.4	17 454	★ 2KJ1436 - CB13 - A1		455	
<b>FD.168B-Z48-LA71B4</b>								
0.09		9 139	1.5	16 007	2KJ1435 - CB13 - A2		454	
0.10		8 088	1.7	14 165	★ 2KJ1435 - CB13 - X1		454	
0.11		7 353	1.9	12 878	2KJ1435 - CB13 - W1		454	
<b>FD.148B-D38-LA71B4</b>								
0.07		10 870	0.83	19 456	2KJ1433 - CB13 - B1		288	
0.08	9 891	0.91	17 704	★ 2KJ1433 - CB13 - A1		288		
<b>FD.148B-Z38-LA71B4</b>								
0.09	9 272	0.97	16 239	★ 2KJ1432 - CB13 - W1		287		
0.10	8 245	1.1	14 441	2KJ1432 - CB13 - V1		287		
0.11	7 152	1.3	12 527	★ 2KJ1432 - CB13 - U1		287		

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

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Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
<b>0.12</b>	<b>FD.148B-Z38-LA71B4</b>						
	<b>0.12</b>	6 683	1.3	11 705	<b>2KJ1432 - CB13 - T1</b>		287
	<b>0.14</b>	5 878	1.5	10 295	★ <b>2KJ1432 - CB13 - S1</b>		287
	<b>0.16</b>	5 148	1.7	9 016	<b>2KJ1432 - CB13 - R1</b>		287
<b>0.18</b>	4 553	2.0	7 975	★ <b>2KJ1432 - CB13 - Q1</b>		287	
<b>0.12</b>	<b>FD.128B-Z38-LA71B4</b>						
	<b>0.12</b>	6 445	0.95	11 289	<b>2KJ1428 - CB13 - T1</b>		197
	<b>0.12</b>	6 899	0.88	12 083	★ <b>2KJ1428 - CB13 - U1</b>		197
	<b>0.14</b>	5 669	1.1	9 929	★ <b>2KJ1428 - CB13 - S1</b>		197
	<b>0.16</b>	4 965	1.2	8 696	<b>2KJ1428 - CB13 - R1</b>		197
	<b>0.18</b>	4 391	1.4	7 691	★ <b>2KJ1428 - CB13 - Q1</b>		197
	<b>0.20</b>	3 980	1.5	6 971	<b>2KJ1428 - CB13 - P1</b>		197
	<b>0.23</b>	3 513	1.7	6 153	★ <b>2KJ1428 - CB13 - N1</b>		197
<b>0.25</b>	3 169	1.9	5 551	<b>2KJ1428 - CB13 - M1</b>		197	
<b>0.12</b>	<b>FD.108B-Z38-LA71B4</b>						
	<b>0.19</b>	4 270	0.80	7 479	★ <b>2KJ1426 - CB13 - F2</b>		122
	<b>0.21</b>	3 870	0.88	6 778	<b>2KJ1426 - CB13 - E2</b>		122
	<b>0.23</b>	3 416	1.0	5 983	★ <b>2KJ1426 - CB13 - D2</b>		122
	<b>0.26</b>	3 081	1.1	5 397	<b>2KJ1426 - CB13 - C2</b>		122
	<b>0.29</b>	2 795	1.2	4 895	★ <b>2KJ1426 - CB13 - B2</b>		122
	<b>0.31</b>	2 546	1.3	4 460	<b>2KJ1426 - CB13 - A2</b>		122
	<b>0.34</b>	2 329	1.5	4 079	★ <b>2KJ1426 - CB13 - X1</b>		122
	<b>0.38</b>	2 083	1.6	3 648	<b>2KJ1426 - CB13 - W1</b>		122
	<b>0.42</b>	1 912	1.8	3 349	★ <b>2KJ1426 - CB13 - V1</b>		122
	<b>0.46</b>	1 724	2.0	3 019	<b>2KJ1426 - CB13 - U1</b>		122
<b>0.12</b>	<b>FD.88B-Z28-LA71B4</b>						
	<b>0.34</b>	2 386	0.8	4 179	<b>2KJ1422 - CB13 - W1</b>		73
	<b>0.38</b>	2 118	0.9	3 709	★ <b>2KJ1422 - CB13 - V1</b>		73
	<b>0.43</b>	1 856	1.0	3 251	<b>2KJ1422 - CB13 - U1</b>		73
	<b>0.49</b>	1 632	1.2	2 858	★ <b>2KJ1422 - CB13 - T1</b>		73
	<b>0.54</b>	1 474	1.3	2 582	<b>2KJ1422 - CB13 - S1</b>		73
	<b>0.62</b>	1 285	1.5	2 250	★ <b>2KJ1422 - CB13 - R1</b>		73
	<b>0.69</b>	1 154	1.6	2 021	<b>2KJ1422 - CB13 - Q1</b>		73
	<b>0.77</b>	1 041	1.8	1 824	★ <b>2KJ1422 - CB13 - P1</b>		73
	<b>0.85</b>	944	2.0	1 654	<b>2KJ1422 - CB13 - N1</b>		73
<b>0.12</b>	<b>FD.68B-Z28-LA71B4</b>						
	<b>0.69</b>	1 162	0.86	2 035	<b>2KJ1417 - CB13 - T1</b>		43
	<b>0.78</b>	1 021	0.98	1 789	★ <b>2KJ1417 - CB13 - S1</b>		43
	<b>0.87</b>	923	1.1	1 616	<b>2KJ1417 - CB13 - R1</b>		43
	<b>0.99</b>	804	1.2	1 408	★ <b>2KJ1417 - CB13 - Q1</b>		43
	<b>1.1</b>	722	1.4	1 265	<b>2KJ1417 - CB13 - P1</b>		43
	<b>1.2</b>	652	1.5	1 142	★ <b>2KJ1417 - CB13 - N1</b>		43
	<b>1.4</b>	592	1.7	1 036	<b>2KJ1417 - CB13 - M1</b>		43
<b>1.5</b>	538	1.9	942	★ <b>2KJ1417 - CB13 - L1</b>		43	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

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## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.12	<b>FD.68B-LA71MB8</b>						
	2.2	526	1.9	296.18	★ 2KJ1403 - CB13 - S1	P02	43
	<b>FD.48B-Z28-LA71B4</b>						
	1.3	614	0.88	1 076	★ 2KJ1413 - CB13 - N1		29
	1.4	557	0.97	976	2KJ1413 - CB13 - M1		29
	1.6	507	1.1	888	★ 2KJ1413 - CB13 - L1		29
	1.8	448	1.2	785	2KJ1413 - CB13 - K1		29
	1.9	414	1.3	725	★ 2KJ1413 - CB13 - J1		29
	2.2	356	1.5	624	2KJ1413 - CB13 - H1		29
	<b>FD.48B-LA71MB8</b>						
	2.4	478	1.1	268.8	★ 2KJ1402 - CF13 - S1	P02	27
	2.7	424	1.3	238.65	2KJ1402 - CF13 - R1	P02	27
3.1	372	1.5	209.23	★ 2KJ1402 - CF13 - Q1	P02	27	
<b>FD.48B-LA71C6</b>							
3.2	358	1.5	268.8	★ 2KJ1402 - CC13 - S1	P01	27	
3.6	318	1.7	238.65	2KJ1402 - CC13 - R1	P01	27	
4.1	279	1.9	209.23	★ 2KJ1402 - CC13 - Q1	P01	27	
<b>FZ.38B-Z28-LA71B4</b>							
2.4	339	0.86	587	2KJ1313 - CB13 - G1		22	
<b>FD.38B-LA71C6</b>							
3.6	322	0.9	241.91	★ 2KJ1401 - CC13 - M1	P01	20	
4.1	277	1.0	207.83	2KJ1401 - CC13 - L1	P01	20	
4.5	255	1.1	191.34	★ 2KJ1401 - CC13 - K1	P01	20	
<b>FD.38B-LA71B4</b>							
5.0	230	1.3	280.41	2KJ1401 - CB13 - N1		20	
5.8	198	1.5	241.91	★ 2KJ1401 - CB13 - M1		20	
6.7	170	1.7	207.83	2KJ1401 - CB13 - L1		20	
7.3	157	1.9	191.34	★ 2KJ1401 - CB13 - K1		20	
8.0	142	2.0	173.94	2KJ1401 - CB13 - J1		20	
<b>FD.28-LA71B4</b>							
6.7	170	0.88	207.53	2KJ1400 - CB13 - L1		11	
7.3	156	0.96	191.06	★ 2KJ1400 - CB13 - K1		11	
8.1	142	1.1	173.69	2KJ1400 - CB13 - J1		11	
9.1	126	1.2	153.74	★ 2KJ1400 - CB13 - H1		11	
10.9	105	1.4	128.77	2KJ1400 - CB13 - G1		11	
12.8	90	1.7	109.79	★ 2KJ1400 - CB13 - F1		11	
15.0	76	2.0	93.32	★ 2KJ1400 - CB13 - E1		11	
17.3	66	2.3	81.1	2KJ1400 - CB13 - D1		11	
19.8	58	2.6	70.59	★ 2KJ1400 - CB13 - C1		11	
22	52	2.9	63.68	2KJ1400 - CB13 - B1		11	
25	46	3.3	56.2	2KJ1400 - CB13 - A1		11	
<b>FZ.28-LA71B4</b>							
24	49	3.1	59.65	2KJ1300 - CB13 - C2		11	
28	41	3.6	50.3	★ 2KJ1300 - CB13 - B2		11	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.12	<b>FZ.28-LA71B4</b>						
	31	37	4.1	44.66	2KJ1300 - ■CB13 - ■■A2		11
	36	32	4.7	39.15	★ 2KJ1300 - ■CB13 - ■■X1		11
	40	29	5.2	35.04	2KJ1300 - ■CB13 - ■■W1		11
	45	26	5.9	31.1	★ 2KJ1300 - ■CB13 - ■■V1		11
	51	22	6.7	27.25	2KJ1300 - ■CB13 - ■■U1		11
	58	20	7.6	23.96	★ 2KJ1300 - ■CB13 - ■■T1		11
	65	18	8.5	21.64	2KJ1300 - ■CB13 - ■■S1		11
	74	15	9.7	18.86	★ 2KJ1300 - ■CB13 - ■■R1		11
	83	14	10.8	16.94	2KJ1300 - ■CB13 - ■■Q1		11
	92	12	12.0	15.29	★ 2KJ1300 - ■CB13 - ■■P1		11
	101	11	13.2	13.87	2KJ1300 - ■CB13 - ■■N1		11
111	10	14.3	12.62	★ 2KJ1300 - ■CB13 - ■■M1		11	
0.18	<b>FD.188B-D48-LA71C4</b>						
	0.05	24 072	0.83	25 299	2KJ1440 - ■CC13 - ■■D1		638
	0.06	21 833	0.92	22 946	★ 2KJ1440 - ■CC13 - ■■C1		638
	0.07	18 195	1.1	19 122	★ 2KJ1440 - ■CC13 - ■■A1		638
	0.07	19 892	1.0	20 906	2KJ1440 - ■CC13 - ■■B1		638
	<b>FD.188B-Z48-LA71C4</b>						
	0.08	17 053	1.2	17 537	2KJ1438 - ■CC13 - ■■LA2		638
	0.09	15 091	1.3	15 519	★ 2KJ1438 - ■CC13 - ■■X1		638
	0.10	13 719	1.5	14 108	2KJ1438 - ■CC13 - ■■W1		638
	0.11	12 325	1.6	12 674	★ 2KJ1438 - ■CC13 - ■■V1		638
	0.13	10 563	1.9	10 863	2KJ1438 - ■CC13 - ■■U1		638
	<b>FD.168B-D48-LA71C4</b>						
	0.08	16 608	0.84	17 454	★ 2KJ1436 - ■CC13 - ■■A1		455
	<b>FD.168B-Z48-LA71C4</b>						
	0.09	15 566	0.90	16 007	2KJ1435 - ■CC13 - ■■LA2		454
	0.10	13 774	1.0	14 165	★ 2KJ1435 - ■CC13 - ■■X1		454
	0.11	12 523	1.1	12 878	2KJ1435 - ■CC13 - ■■W1		454
	0.12	11 249	1.2	11 568	★ 2KJ1435 - ■CC13 - ■■V1		454
	0.14	9 643	1.5	9 916	2KJ1435 - ■CC13 - ■■U1		454
	0.15	8 724	1.6	8 971	★ 2KJ1435 - ■CC13 - ■■T1		454
0.16	8 053	1.7	8 281	2KJ1435 - ■CC13 - ■■S1		454	
0.19	7 002	2.0	7 201	★ 2KJ1435 - ■CC13 - ■■R1		454	
<b>FD.148B-Z38-LA71C4</b>							
0.13	10 011	0.9	10 295	★ 2KJ1432 - ■CC13 - ■■S1		287	
0.15	8 767	1.0	9 016	2KJ1432 - ■CC13 - ■■R1		287	
0.17	7 755	1.2	7 975	★ 2KJ1432 - ■CC13 - ■■Q1		287	
0.19	7 028	1.3	7 227	2KJ1432 - ■CC13 - ■■P1		287	
0.22	6 204	1.5	6 380	★ 2KJ1432 - ■CC13 - ■■N1		287	
0.24	5 596	1.6	5 755	2KJ1432 - ■CC13 - ■■M1		287	
0.26	5 076	1.8	5 220	★ 2KJ1432 - ■CC13 - ■■L1		287	
0.29	4 25	1.9	4 756	2KJ1432 - ■CC13 - ■■K1		287	

★ Preferred transmission ratio

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Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

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0.18	<b>FD.128B-Z38-LA71C4</b>						
	0.18	7 479	0.82	7 691	★	2KJ1428 - CC13 - Q1	197
	0.20	6 779	0.9	6 971		2KJ1428 - CC13 - P1	197
	0.22	5 983	1.0	6 153	★	2KJ1428 - CC13 - N1	197
	0.25	5 398	1.1	5 551		2KJ1428 - CC13 - M1	197
	0.27	4 895	1.2	5 034	★	2KJ1428 - CC13 - L1	197
	0.30	4 461	1.4	4 587		2KJ1428 - CC13 - K1	197
	0.33	4 079	1.5	4 195	★	2KJ1428 - CC13 - J1	197
	0.36	3 648	1.7	3 751		2KJ1428 - CC13 - H1	197
	0.40	3 350	1.8	3 445	★	2KJ1428 - CC13 - G1	197
	0.44	3 019	2.0	3 105		2KJ1428 - CC13 - F1	197
	<b>FD.108B-Z38-LA71C4</b>						
	0.34	3 967	0.86	4 079	★	2KJ1426 - CC13 - X1	122
	0.38	3 547	0.96	3 648		2KJ1426 - CC13 - W1	122
	0.41	3 257	1.0	3 349	★	2KJ1426 - CC13 - V1	122
	0.45	2 936	1.2	3 019		2KJ1426 - CC13 - U1	122
	0.53	2 524	1.3	2 596	★	2KJ1426 - CC13 - T1	122
	0.59	2 251	1.5	2 315		2KJ1426 - CC13 - S1	122
	0.64	2 067	1.6	2 126	★	2KJ1426 - CC13 - R1	122
	0.72	1 863	1.8	1 916		2KJ1426 - CC13 - Q1	122
		<b>FD.88B-Z28-LA71C4</b>					
0.61		2 188	0.87	2 250	★	2KJ1422 - CC13 - R1	73
0.68		1 965	0.97	2 021		2KJ1422 - CC13 - Q1	73
0.75		1 774	1.1	1 824	★	2KJ1422 - CC13 - P1	73
0.83		1 608	1.2	1 654		2KJ1422 - CC13 - N1	73
0.91		1 464	1.3	1 505	★	2KJ1422 - CC13 - M1	73
1.0		1 294	1.5	1 331		2KJ1422 - CC13 - L1	73
1.1		1 195	1.6	1 229	★	2KJ1422 - CC13 - K1	73
1.3		1 029	1.8	1 058		2KJ1422 - CC13 - J1	73
1.4		935	2.0	962	★	2KJ1422 - CC13 - H1	73
	<b>FD.88B-LA80S8</b>						
1.7	1 031	1.8	404.92		2KJ1404 - DB13 - V1	P02	78
	<b>FD.68B-Z28-LA71C4</b>						
	1.1	1 230	0.81	1 265		2KJ1417 - CC13 - P1	43
	1.2	1 111	0.90	1 142	★	2KJ1417 - CC13 - N1	43
	1.3	1 007	0.99	1 036		2KJ1417 - CC13 - M1	43
	1.5	916	1.1	942	★	2KJ1417 - CC13 - L1	43
	1.6	810	1.2	833		2KJ1417 - CC13 - K1	43
	1.8	748	1.3	769	★	2KJ1417 - CC13 - J1	43
	2.1	644	1.6	662		2KJ1417 - CC13 - H1	43
	<b>FD.68B-LA80S8</b>						
	2.3	754	1.3	296.18	★	2KJ1403 - DB13 - S1	P02
2.6	671	1.5	263.39		2KJ1403 - DB13 - R1	P02	47

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.18	<b>FD.68B-LA71S6</b>						
	2.9	599	1.7	296.18	★ 2KJ1403 - CC13 - S1	P01	43
	3.2	533	1.9	263.39	2KJ1403 - CC13 - R1	P01	43
	<b>FD.48B-Z28-LA71C4</b>						
	2.2	607	0.89	624	2KJ1413 - CC13 - H1		29
	<b>FD.48B-LA80S8</b>						
	2.8	608	0.89	238.65	2KJ1402 - DB13 - R1	P02	31
	<b>FD.48B-LA71S6</b>						
	3.2	544	0.99	268.8	★ 2KJ1402 - CC13 - S1	P01	27
	3.6	483	1.1	238.65	2KJ1402 - CC13 - R1	P01	27
	4.1	423	1.3	209.23	★ 2KJ1402 - CC13 - Q1	P01	27
	4.5	379	1.4	187.24	2KJ1402 - CC13 - P1	P01	27
	<b>FD.48B-LA71C4</b>						
	5.1	337	1.6	268.8	★ 2KJ1402 - CC13 - S1		27
	5.7	299	1.8	238.65	2KJ1402 - CC13 - R1		27
	6.5	263	2.1	209.23	★ 2KJ1402 - CC13 - Q1		27
	<b>FD.38B-LA71C4</b>						
	4.9	352	0.82	280.41	2KJ1401 - CC13 - N1		20
	5.7	304	0.96	241.91	★ 2KJ1401 - CC13 - M1		20
	6.6	261	1.1	207.83	2KJ1401 - CC13 - L1		20
	7.2	240	1.2	191.34	★ 2KJ1401 - CC13 - K1		20
	7.9	218	1.3	173.94	2KJ1401 - CC13 - J1		20
	8.9	193	1.5	153.96	★ 2KJ1401 - CC13 - H1		20
	10.6	162	1.8	128.95	2KJ1401 - CC13 - G1		20
	12.5	138	2.1	109.95	★ 2KJ1401 - CC13 - F1		20
	<b>FD.28-LA71C4</b>						
	10.6	162	0.93	128.77	2KJ1400 - CC13 - G1		11
	12.5	138	1.1	109.79	★ 2KJ1400 - CC13 - F1		11
	14.7	117	1.3	93.32	★ 2KJ1400 - CC13 - E1		11
	16.9	102	1.5	81.1	2KJ1400 - CC13 - D1		11
	19.4	89	1.7	70.59	★ 2KJ1400 - CC13 - C1		11
	22	80	1.9	63.68	2KJ1400 - CC13 - B1		11
	24	70	2.1	56.2	2KJ1400 - CC13 - A1		11
	<b>FZ.28-LA71C4</b>						
	23	75	2.0	59.65	2KJ1300 - CC13 - C2		11
	27	63	2.4	50.3	★ 2KJ1300 - CC13 - B2		11
	31	56	2.7	44.66	2KJ1300 - CC13 - A2		11
	35	49	3.1	39.15	★ 2KJ1300 - CC13 - X1		11
	39	44	3.4	35.04	2KJ1300 - CC13 - W1		11
	44	39	3.8	31.1	★ 2KJ1300 - CC13 - V1		11
	50	34	4.4	27.25	2KJ1300 - CC13 - U1		11
	57	30	5.0	23.96	★ 2KJ1300 - CC13 - T1		11
	63	27	5.5	21.64	2KJ1300 - CC13 - S1		11
	73	24	6.3	18.86	★ 2KJ1300 - CC13 - R1		11

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.18	<b>FZ.28-LA71C4</b>						
	81	21	7.1	16.94	2KJ1300 - CC13 - Q1		11
	90	19	7.8	15.29 ★	2KJ1300 - CC13 - P1		11
	99	17	8.6	13.87	2KJ1300 - CC13 - N1		11
	109	16	9.3	12.62 ★	2KJ1300 - CC13 - M1		11
	123	14	10.1	11.16	2KJ1300 - CC13 - L1		11
	133	13	10.7	10.3 ★	2KJ1300 - CC13 - K1		11
	154	11	11.8	8.87	2KJ1300 - CC13 - J1		11
	170	10	12.6	8.06 ★	2KJ1300 - CC13 - H1		11
	190	9	13.9	7.2 ★	2KJ1300 - CC13 - G1		11
210	8.2	14.9	6.53	2KJ1300 - CC13 - F1		11	
0.25	<b>FD.188B-Z48-LA71S4</b>						
	0.09	22 462	0.89	15 519	★	2KJ1438 - CD13 - X1	638
	0.10	20 419	0.98	14 108		2KJ1438 - CD13 - W1	638
	0.11	18 344	1.1	12 674	★	2KJ1438 - CD13 - V1	638
	0.12	15 723	1.3	10 863		2KJ1438 - CD13 - U1	638
	0.14	14 226	1.4	9 829	★	2KJ1438 - CD13 - T1	638
	0.15	13 132	1.5	9 073		2KJ1438 - CD13 - S1	638
	0.17	11 418	1.8	7 889	★	2KJ1438 - CD13 - R1	638
	0.19	10 367	1.9	7 163		2KJ1438 - CD13 - Q1	638
<b>FD.168B-Z48-LA71S4</b>							
0.12	16 743	0.84	11 568	★	2KJ1435 - CD13 - V1	454	
0.14	14 352	0.98	9 916		2KJ1435 - CD13 - U1	454	
0.15	12 984	1.1	8 971	★	2KJ1435 - CD13 - T1	454	
0.16	11 986	1.2	8 281		2KJ1435 - CD13 - S1	454	
0.19	10 422	1.3	7 201	★	2KJ1435 - CD13 - R1	454	
0.21	9 463	1.5	6 538		2KJ1435 - CD13 - Q1	454	
0.23	8 641	1.6	5 970	★	2KJ1435 - CD13 - P1	454	
0.25	7 927	1.8	5 477		2KJ1435 - CD13 - N1	454	
0.27	7 303	1.9	5 046	★	2KJ1435 - CD13 - M1	454	
<b>FD.148B-Z38-LA71S4</b>							
0.19	10 460	0.86	7 227		2KJ1432 - CD13 - P1	287	
0.21	9 234	0.97	6 380	★	2KJ1432 - CD13 - N1	287	
0.24	8 330	1.1	5 755		2KJ1432 - CD13 - M1	287	
0.26	7 555	1.2	5 220	★	2KJ1432 - CD13 - L1	287	
0.28	6 884	1.3	4 756		2KJ1432 - CD13 - K1	287	
0.31	6 296	1.4	4 350	★	2KJ1432 - CD13 - J1	287	
0.35	5 629	1.6	3 889		2KJ1432 - CD13 - H1	287	
0.38	5 169	1.7	3 571	★	2KJ1432 - CD13 - G1	287	
0.42	4 659	1.9	3 219		2KJ1432 - CD13 - F1	287	
<b>FD.128B-Z38-LA71S4</b>							
0.27	7 286	0.84	5 034	★	2KJ1428 - CD13 - L1	197	
0.29	6 639	0.92	4 587		2KJ1428 - CD13 - K1	197	
0.32	6 072	1.0	4 195	★	2KJ1428 - CD13 - J1	197	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.25	<b>FD.128B-Z38-LA71S4</b>						
	0.36	5 429	1.1	3 751	2KJ1428 - CD13 - H1		197
	0.39	4 986	1.2	3 445	★ 2KJ1428 - CD13 - G1		197
	0.44	4 494	1.4	3 105	2KJ1428 - CD13 - F1		197
	0.51	3 864	1.6	2 670	★ 2KJ1428 - CD13 - E1		197
	0.57	3 446	1.8	2 381	2KJ1428 - CD13 - D1		197
	0.62	3 164	1.9	2 186	★ 2KJ1428 - CD13 - C1		197
	<b>FD.108B-Z38-LA71S4</b>						
	0.52	3 757	0.9	2 596	★ 2KJ1426 - CD13 - T1		122
	0.58	3 351	1.0	2 315	2KJ1426 - CD13 - S1		122
	0.64	3 077	1.1	2 126	★ 2KJ1426 - CD13 - R1		122
	0.70	2 773	1.2	1 916	2KJ1426 - CD13 - Q1		122
	0.82	2 384	1.4	1 647	★ 2KJ1426 - CD13 - P1		122
	0.88	2 209	1.5	1 526	2KJ1426 - CD13 - N1		122
	0.98	2 003	1.7	1 384	★ 2KJ1426 - CD13 - M1		122
	1.1	1 825	1.9	1 261	2KJ1426 - CD13 - L1		122
	1.2	1 669	2.0	1 153	★ 2KJ1426 - CD13 - K1		122
	<b>FD.88B-Z28-LA71S4</b>						
	0.9	2 178	0.87	1 505	★ 2KJ1422 - CD13 - M1		73
	1.0	1 926	0.99	1 331	2KJ1422 - CD13 - L1		73
	1.1	1 779	1.1	1 229	★ 2KJ1422 - CD13 - K1		73
	1.3	1 531	1.2	1 058	2KJ1422 - CD13 - J1		73
	1.4	1 392	1.4	962	★ 2KJ1422 - CD13 - H1		73
	1.5	1 265	1.5	874	★ 2KJ1422 - CD13 - G1		73
	<b>FD.88B-LA80M8</b>						
	1.7	1 411	1.3	404.92	2KJ1404 - DC13 - V1	P02	78
1.9	1 249	1.5	358.33	★ 2KJ1404 - DC13 - U1	P02	78	
	<b>FD.88B-LA71M6</b>						
	2.1	1 124	1.7	404.92	2KJ1404 - CE13 - V1	P01	74
2.4	995	1.9	358.33	★ 2KJ1404 - CE13 - U1	P01	74	
	<b>FD.68B-Z28-LA71S4</b>						
	1.6	1 206	0.83	833	2KJ1417 - CD13 - K1		43
	1.8	1 113	0.9	769	★ 2KJ1417 - CD13 - J1		43
2.0	958	1.0	662	2KJ1417 - CD13 - H1		43	
	<b>FD.68B-LA80M8</b>						
	2.3	1 032	0.97	296.18	★ 2KJ1403 - DC13 - S1	P02	47
2.6	918	1.1	263.39	2KJ1403 - DC13 - R1	P02	47	
	<b>FD.68B-LA71M6</b>						
	2.9	822	1.2	296.18	★ 2KJ1403 - CE13 - S1	P01	43
	3.3	731	1.4	263.39	2KJ1403 - CE13 - R1	P01	43
	3.8	634	1.6	228.48	★ 2KJ1403 - CE13 - Q1	P01	43
4.0	593	1.7	213.48	2KJ1403 - CE13 - P1	P01	43	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
0.25	<b>FD.68B-LA71S4</b>						
	4.6	524	1.9	296.18	★ 2KJ1403 - CD13 - S1		43
	5.1	466	2.1	263.39	2KJ1403 - CD13 - R1		43
	<b>FD.48B-LA71M6</b>						
	3.6	663	0.82	238.65	2KJ1402 - CE13 - R1	P01	27
	4.1	581	0.93	209.23	★ 2KJ1402 - CE13 - Q1	P01	27
	4.6	520	1.0	187.24	2KJ1402 - CE13 - P1	P01	27
	<b>FD.48B-LA71S4</b>						
	5.0	475	1.1	268.8	★ 2KJ1402 - CD13 - S1		27
	5.7	422	1.3	238.65	2KJ1402 - CD13 - R1		27
	6.5	370	1.5	209.23	★ 2KJ1402 - CD13 - Q1		27
	7.2	331	1.6	187.24	2KJ1402 - CD13 - P1		27
	8.1	294	1.8	166.19	★ 2KJ1402 - CD13 - N1		27
	9.3	258	2.1	145.63	2KJ1402 - CD13 - M1		27
	<b>FD.38B-LA71S4</b>						
	7.1	338	0.86	191.34	★ 2KJ1401 - CD13 - K1		20
	7.8	308	0.94	173.94	2KJ1401 - CD13 - J1		20
	8.8	272	1.1	153.96	★ 2KJ1401 - CD13 - H1		20
	10.5	228	1.3	128.95	2KJ1401 - CD13 - G1		20
	12.3	194	1.5	109.95	★ 2KJ1401 - CD13 - F1		20
	14.4	165	1.8	93.46	2KJ1401 - CD13 - E1		20
	16.6	144	2.0	81.22	★ 2KJ1401 - CD13 - D1		20
	19.1	125	2.3	70.7	2KJ1401 - CD13 - C1		20
	<b>FZ.38B-LA71S4</b>						
	24	100	2.1	56.72	★ 2KJ1301 - CD13 - B2		19
	<b>FD.28-LA71S4</b>						
	14.5	165	0.91	93.32	★ 2KJ1400 - CD13 - E1		11
	16.6	143	1.0	81.1	2KJ1400 - CD13 - D1		11
	19.1	125	1.2	70.59	★ 2KJ1400 - CD13 - C1		11
	21	113	1.3	63.68	2KJ1400 - CD13 - B1		11
	24	99	1.5	56.2	2KJ1400 - CD13 - A1		11
	<b>FZ.28-LA71S4</b>						
	23	105	1.4	59.65	2KJ1300 - CD13 - C2		11
	27	89	1.7	50.3	★ 2KJ1300 - CD13 - B2		11
	30	79	1.9	44.66	2KJ1300 - CD13 - A2		11
	34	69	2.2	39.15	★ 2KJ1300 - CD13 - X1		11
	38	62	2.4	35.04	2KJ1300 - CD13 - W1		11
	43	55	2.7	31.1	★ 2KJ1300 - CD13 - V1		11
	50	48	3.1	27.25	2KJ1300 - CD13 - U1		11
	56	42	3.5	23.96	★ 2KJ1300 - CD13 - T1		11
	62	38	3.9	21.64	2KJ1300 - CD13 - S1		11
	72	33	4.5	18.86	★ 2KJ1300 - CD13 - R1		11
80	30	5.0	16.94	2KJ1300 - CD13 - Q1		11	
88	27	5.5	15.29	★ 2KJ1300 - CD13 - P1		11	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.25	<b>FZ.28-LA71S4</b>						
	97	24	6.1	13.87	2KJ1300 - CD13 - N1		11
	107	22	6.6	12.62	★ 2KJ1300 - CD13 - M1		11
	121	20	7.2	11.16	2KJ1300 - CD13 - L1		11
	131	18	7.6	10.3	★ 2KJ1300 - CD13 - K1		11
	152	16	8.4	8.87	2KJ1300 - CD13 - J1		11
	167	14	8.9	8.06	★ 2KJ1300 - CD13 - H1		11
	188	13	9.9	7.2	★ 2KJ1300 - CD13 - G1		11
	207	12	10.6	6.53	2KJ1300 - CD13 - F1		11
	227	10	11.2	5.94	★ 2KJ1300 - CD13 - E1		11
	257	9.3	12.0	5.25	2KJ1300 - CD13 - D1		11
	278	8.6	12.8	4.85	★ 2KJ1300 - CD13 - C1		11
	323	7.4	13.4	4.18	2KJ1300 - CD13 - B1		11
	355	6.7	14.3	3.8	★ 2KJ1300 - CD13 - A1		11
0.37	<b>FD.188B-Z48-LA71M4</b>						
	0.13	23 944	0.84	10 863	2KJ1438 - CE13 - U1		638
	0.14	21 665	0.92	9 829	★ 2KJ1438 - CE13 - T1		638
	0.15	19 998	1.0	9 073	2KJ1438 - CE13 - S1		638
	0.17	17 389	1.2	7 889	★ 2KJ1438 - CE13 - R1		638
	0.19	15 788	1.3	7 163	2KJ1438 - CE13 - Q1		638
	0.21	14 415	1.4	6 540	★ 2KJ1438 - CE13 - P1		638
	0.23	13 227	1.5	6 001	2KJ1438 - CE13 - N1		638
	0.25	12 187	1.6	5 529	★ 2KJ1438 - CE13 - M1		638
	0.27	11 067	1.8	5 021	2KJ1438 - CE13 - L1		638
	0.30	10 082	2.0	4 574	★ 2KJ1438 - CE13 - K1		638
	<b>FD.168B-Z48-LA71M4</b>						
	0.19	15 872	0.88	7 201	★ 2KJ1435 - CE13 - NR1		454
	0.21	14 411	0.97	6 538	2KJ1435 - CE13 - Q1		454
	0.23	13 159	1.1	5 970	★ 2KJ1435 - CE13 - P1		454
	0.25	12 072	1.2	5 477	2KJ1435 - CE13 - N1		454
	0.27	11 122	1.3	5 046	★ 2KJ1435 - CE13 - M1		454
	0.30	10 102	1.4	4 583	2KJ1435 - CE13 - L1		454
	0.33	9 202	1.5	4 175	★ 2KJ1435 - CE13 - K1		454
0.36	8 431	1.7	3 825	2KJ1435 - CE13 - J1		454	
0.40	7 523	1.9	3 413	★ 2KJ1435 - CE13 - H1		454	
<b>FD.148B-Z38-LA71M4</b>							
0.29	10 483	0.86	4 756	2KJ1432 - CE13 - K1		287	
0.32	9 588	0.94	4 350	★ 2KJ1432 - CE13 - J1		287	
0.35	8 572	1.0	3 889	2KJ1432 - CE13 - H1		287	
0.38	7 871	1.1	3 571	★ 2KJ1432 - CE13 - G1		287	
0.43	7 095	1.3	3 219	2KJ1432 - CE13 - F1		287	
0.50	6 101	1.5	2 768	★ 2KJ1432 - CE13 - E1		287	
0.56	5 440	1.7	2 468	2KJ1432 - CE13 - D1		287	
0.60	4 995	1.8	2 266	★ 2KJ1432 - CE13 - C1		287	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
0.37	<b>FD.148B-Z38-LA71M4</b>						
	0.67	4 503	2.0	2 043	2KJ1432 - CE13 - B1		287
	<b>FD.128B-Z38-LA71M4</b>						
	0.40	7 593	0.80	3 445	★ 2KJ1428 - CE13 - G1		197
	0.44	6 844	0.89	3 105	★ 2KJ1428 - CE13 - F1		197
	0.51	5 885	1.0	2 670	★ 2KJ1428 - CE13 - E1		197
	0.57	5 248	1.2	2 381	★ 2KJ1428 - CE13 - D1		197
	0.63	4 818	1.3	2 186	★ 2KJ1428 - CE13 - C1		197
	0.70	4 342	1.4	1 970	★ 2KJ1428 - CE13 - B1		197
	0.81	3 734	1.6	1 694	★ 2KJ1428 - CE13 - A1		197
	<b>FD.128B-Z48-LA71M4</b>						
	0.91	3 315	1.8	1 504	★ 2KJ1431 - CE13 - L1		206
	1.0	3 020	2.0	1 370	★ 2KJ1431 - CE13 - K1		206
	<b>FD.108B-Z38-LA71M4</b>						
	0.72	4 223	0.81	1 916	★ 2KJ1426 - CE13 - Q1		122
	0.83	3 630	0.94	1 647	★ 2KJ1426 - CE13 - P1		122
	0.90	3 364	1.0	1 526	★ 2KJ1426 - CE13 - N1		122
	0.99	3 051	1.1	1 384	★ 2KJ1426 - CE13 - M1		122
	1.1	2 779	1.2	1 261	★ 2KJ1426 - CE13 - L1		122
	1.2	2 541	1.3	1 153	★ 2KJ1426 - CE13 - K1		122
1.3	2 272	1.5	1 031	★ 2KJ1426 - CE13 - J1		122	
1.4	2 087	1.6	947	★ 2KJ1426 - CE13 - H1		122	
<b>FD.108B-LA90SA8</b>							
1.6	2 222	1.5	424.49	★ 2KJ1405 - EB13 - V1	P02	128	
1.8	2 004	1.7	382.79	★ 2KJ1405 - EB13 - U1	P02	128	
2.0	1 807	1.9	345.19	★ 2KJ1405 - EB13 - T1	P02	128	
<b>FD.88B-Z28-LA71M4</b>							
1.3	2 332	0.81	1 058	★ 2KJ1422 - CE13 - J1		73	
1.4	2 120	0.90	962	★ 2KJ1422 - CE13 - H1		73	
1.6	1 926	0.99	874	★ 2KJ1422 - CE13 - G1		73	
<b>FD.88B-LA90SA8</b>							
1.9	1 876	1.0	358.33	★ 2KJ1404 - EB13 - U1	P02	81	
<b>FD.88B-LA80S6</b>							
2.3	1 555	1.2	404.92	★ 2KJ1404 - DB13 - V1	P01	78	
2.6	1 376	1.4	358.33	★ 2KJ1404 - DB13 - U1	P01	78	
2.8	1 251	1.5	325.76	★ 2KJ1404 - DB13 - T1	P01	78	
3.1	1 124	1.7	292.64	★ 2KJ1404 - DB13 - S1	P01	78	
<b>FD.88B-LA71M4</b>							
3.4	1 044	1.8	404.92	★ 2KJ1404 - CE13 - V1		74	
<b>FD.68B-LA80S6</b>							
3.1	1 138	0.88	296.18	★ 2KJ1403 - DB13 - S1	P01	47	
3.5	1 012	0.99	263.39	★ 2KJ1403 - DB13 - R1	P01	47	
4.0	878	1.1	228.48	★ 2KJ1403 - DB13 - Q1	P01	47	
4.3	820	1.2	213.48	★ 2KJ1403 - DB13 - P1	P01	47	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.37	<b>FD.68B-LA71M4</b>						
	4.6	764	1.3	296.18	★ 2KJ1403 - CE13 - S1		43
	5.2	679	1.5	263.39	2KJ1403 - CE13 - R1		43
	6.0	589	1.7	228.48	★ 2KJ1403 - CE13 - Q1		43
	6.4	551	1.8	213.48	2KJ1403 - CE13 - P1		43
	7.3	484	2.1	187.76	★ 2KJ1403 - CE13 - N1		43
	<b>FD.48B-LA71M4</b>						
	5.7	616	0.88	238.65	2KJ1402 - CE13 - R1		27
	6.5	540	1.0	209.23	★ 2KJ1402 - CE13 - Q1		27
	7.3	483	1.1	187.24	2KJ1402 - CE13 - P1		27
	8.2	429	1.3	166.19	★ 2KJ1402 - CE13 - N1		27
	9.4	376	1.4	145.63	2KJ1402 - CE13 - M1		27
	10.7	330	1.6	128.04	★ 2KJ1402 - CE13 - L1		27
	11.8	298	1.8	115.68	2KJ1402 - CE13 - K1		27
	13.6	260	2.1	100.8	★ 2KJ1402 - CE13 - J1		27
	<b>FD.38B-LA71M4</b>						
	10.6	333	0.87	128.95	2KJ1401 - CE13 - G1		20
	12.5	284	1.0	109.95	★ 2KJ1401 - CE13 - F1		20
	14.7	241	1.2	93.46	★ 2KJ1401 - CE13 - E1		20
	16.9	209	1.4	81.22	2KJ1401 - CE13 - D1		20
	19.4	182	1.6	70.7	★ 2KJ1401 - CE13 - C1		20
	22	164	1.8	63.77	2KJ1401 - CE13 - B1		20
	24	145	2.0	56.28	2KJ1401 - CE13 - A1		20
	<b>FZ.38B-LA71M4</b>						
	24	146	1.4	56.72	★ 2KJ1301 - CE13 - B2		19
27	130	1.8	50.44	2KJ1301 - CE13 - A2		19	
31	113	2.2	43.75	★ 2KJ1301 - CE13 - X1		19	
34	105	2.6	40.88	2KJ1301 - CE13 - W1		19	
<b>FD.28-LA71M4</b>							
19.4	182	0.82	70.59	★ 2KJ1400 - CE13 - C1		11	
22	164	0.91	63.68	2KJ1400 - CE13 - B1		11	
24	145	1.0	56.2	2KJ1400 - CE13 - A1		11	
<b>FZ.28-LA71M4</b>							
23	154	0.97	59.65	2KJ1300 - CE13 - C2		11	
27	130	1.2	50.3	★ 2KJ1300 - CE13 - B2		11	
31	115	1.3	44.66	2KJ1300 - CE13 - A2		11	
35	101	1.5	39.15	★ 2KJ1300 - CE13 - X1		11	
39	90	1.7	35.04	2KJ1300 - CE13 - W1		11	
44	80	1.9	31.1	★ 2KJ1300 - CE13 - V1		11	
50	70	2.1	27.25	2KJ1300 - CE13 - U1		11	
57	62	2.4	23.96	★ 2KJ1300 - CE13 - T1		11	
63	56	2.7	21.64	2KJ1300 - CE13 - S1		11	
73	49	3.1	18.86	★ 2KJ1300 - CE13 - R1		11	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.55	<b>FD.188B-Z48-LA71ZMP4</b>						
	0.19	24 147	0.83	7 163	2KJ1438 - CG13 - Q1		638
	0.21	22 047	0.91	6 540	★ 2KJ1438 - CG13 - P1		638
	0.23	20 230	0.99	6 001	2KJ1438 - CG13 - N1		638
	0.25	18 639	1.1	5 529	★ 2KJ1438 - CG13 - M1		638
	0.27	16 926	1.2	5 021	2KJ1438 - CG13 - L1		638
	0.30	15 419	1.3	4 574	★ 2KJ1438 - CG13 - K1		638
	0.33	14 125	1.4	4 190	2KJ1438 - CG13 - J1		638
	0.37	12 604	1.6	3 739	★ 2KJ1438 - CG13 - H1		638
0.75	<b>FD.168B-Z48-LA71ZMP4</b>						
	0.27	17 010	0.82	5 046	★ 2KJ1435 - CG13 - M1		454
	0.30	15 450	0.91	4 583	2KJ1435 - CG13 - L1		454
	0.33	14 074	0.99	4 175	★ 2KJ1435 - CG13 - K1		454
	0.36	12 894	1.1	3 825	2KJ1435 - CG13 - J1		454
	0.40	11 505	1.2	3 413	★ 2KJ1435 - CG13 - H1		454
	0.65	7 143	2.0	2 119	★ 2KJ1435 - CG13 - D1		454
1.1	<b>FD.148B-Z48-LA71ZMP4</b>						
	0.84	5 508	1.6	1 634	2KJ1434 - CG13 - K1		296
	0.92	5 020	1.8	1 489	★ 2KJ1434 - CG13 - J1		296
	1.0	4 598	2.0	1 364	2KJ1434 - CG13 - H1		296
1.5	<b>FD.148B-Z38-LA71ZMP4</b>						
	0.43	10 852	0.83	3 219	2KJ1432 - CG13 - F1		287
	0.50	9 331	0.96	2 768	★ 2KJ1432 - CG13 - E1		287
	0.56	8 320	1.1	2 468	2KJ1432 - CG13 - D1		287
	0.60	7 639	1.2	2 266	★ 2KJ1432 - CG13 - C1		287
	0.67	6 887	1.3	2 043	2KJ1432 - CG13 - B1		287
	0.78	5 923	1.5	1 757	★ 2KJ1432 - CG13 - A1		287
2.2	<b>FD.128B-Z48-LA71ZMP4</b>						
	0.91	5 070	1.2	1 504	2KJ1431 - CG13 - L1		206
	1.0	4 618	1.3	1 370	★ 2KJ1431 - CG13 - K1		206
	1.1	4 231	1.4	1 255	2KJ1431 - CG13 - J1		206
	1.2	3 776	1.6	1 120	★ 2KJ1431 - CG13 - H1		206
3.0	<b>FD.128B-Z38-LA71ZMP4</b>						
	0.63	7 369	0.83	2 186	★ 2KJ1428 - CG13 - C1		197
	0.70	6 641	0.92	1 970	2KJ1428 - CG13 - B1		197
0.81	5 711	1.1	1 694	★ 2KJ1428 - CG13 - A1		197	
4.0	<b>FD.128B-LA90LA8</b>						
	1.5	3 486	1.7	447.96	2KJ1406 - EE13 - V1	P02	212
1.7	3 155	1.9	405.47	★ 2KJ1406 - EE13 - U1	P02	212	
5.5	<b>FD.108B-Z38-LA71ZMP4</b>						
	1.1	4 251	0.80	1 261	2KJ1426 - CG13 - L1		122
	1.2	3 887	0.87	1 153	★ 2KJ1426 - CG13 - K1		122
	1.3	3 476	0.98	1 031	2KJ1426 - CG13 - J1		122
1.4	3 192	1.1	947	★ 2KJ1426 - CG13 - H1		122	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.55	<b>FD.108B-LA90LA8</b>						
	1.6	3 303	1.0	424.49	★ 2KJ1405 - EE13 - V1	P02	131
	1.8	2 979	1.1	382.79	2KJ1405 - EE13 - U1	P02	131
	2.0	2 686	1.3	345.19	★ 2KJ1405 - EE13 - T1	P02	131
	<b>FD.108B-LA80M6</b>						
	2.1	2 450	1.4	424.49	★ 2KJ1405 - DC13 - V1	P01	125
	2.4	2 209	1.5	382.79	2KJ1405 - DC13 - U1	P01	125
	2.6	1 992	1.7	345.19	★ 2KJ1405 - DC13 - T1	P01	125
	3.0	1 742	2.0	301.88	2KJ1405 - DC13 - S1	P01	125
	<b>FD.88B-LA80M6</b>						
	2.2	2 337	0.81	404.92	2KJ1404 - DC13 - V1	P01	78
	2.5	2 068	0.92	358.33	★ 2KJ1404 - DC13 - U1	P01	78
2.8	1 880	1.0	325.76	2KJ1404 - DC13 - T1	P01	78	
3.1	1 689	1.1	292.64	★ 2KJ1404 - DC13 - S1	P01	78	
<b>FD.88B-LA71ZMP4</b>							
3.4	1 552	1.2	404.92	2KJ1404 - CG13 - V1		74	
3.8	1 374	1.4	358.33	★ 2KJ1404 - CG13 - U1		74	
4.2	1 249	1.5	325.76	2KJ1404 - CG13 - T1		74	
4.7	1 122	1.7	292.64	★ 2KJ1404 - CG13 - S1		74	
5.5	962	2.0	250.83	2KJ1404 - CG13 - R1		74	
<b>FD.68B-LA80M6</b>							
4.3	1 232	0.81	213.48	2KJ1403 - DC13 - P1	P01	47	
<b>FD.68B-LA71ZMP4</b>							
4.6	1 136	0.88	296.18	★ 2KJ1403 - CG13 - S1		43	
5.2	1 010	0.99	263.39	2KJ1403 - CG13 - R1		43	
6.0	876	1.1	228.48	★ 2KJ1403 - CG13 - Q1		43	
6.4	818	1.2	213.48	2KJ1403 - CG13 - P1		43	
7.3	720	1.4	187.76	★ 2KJ1403 - CG13 - N1		43	
8.3	630	1.6	164.44	2KJ1403 - CG13 - M1		43	
9.4	558	1.8	145.44	★ 2KJ1403 - CG13 - L1		43	
10.4	505	2.0	131.82	2KJ1403 - CG13 - K1		43	
11.8	446	2.2	116.36	★ 2KJ1403 - CG13 - J1		43	
<b>FD.48B-LA71ZMP4</b>							
8.2	637	0.85	166.19	★ 2KJ1402 - CG13 - N1		27	
9.4	558	0.97	145.63	2KJ1402 - CG13 - M1		27	
10.7	491	1.1	128.04	★ 2KJ1402 - CG13 - L1		27	
11.8	444	1.2	115.68	2KJ1402 - CG13 - K1		27	
13.6	386	1.4	100.8	★ 2KJ1402 - CG13 - J1		27	
15.1	347	1.6	90.53	2KJ1402 - CG13 - H1		27	
16.8	313	1.7	81.73	★ 2KJ1402 - CG13 - G1		27	
18.5	284	1.9	74.1	2KJ1402 - CG13 - F1		27	
20	259	2.1	67.43	★ 2KJ1402 - CG13 - E1		27	
23	229	2.4	59.62	2KJ1402 - CG13 - D1		27	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.55	<b>FZ.48B-LA71ZMP4</b>						
	23	233	1.7	60.71	★ 2KJ1302 - CG13 - B2		27
	25	212	2.4	55.19	2KJ1302 - CG13 - A2		27
	<b>FD.38B-LA71ZMP4</b>						
	14.7	358	0.81	93.46	★ 2KJ1401 - CG13 - E1		20
	16.9	311	0.93	81.22	2KJ1401 - CG13 - D1		20
	19.4	271	1.1	70.7	★ 2KJ1401 - CG13 - C1		20
	22	244	1.2	63.77	2KJ1401 - CG13 - B1		20
	24	216	1.3	56.28	2KJ1401 - CG13 - A1		20
	<b>FZ.38B-LA71ZMP4</b>						
	24	217	0.97	56.72	★ 2KJ1301 - CG13 - B2		19
	27	193	1.2	50.44	2KJ1301 - CG13 - A2		19
	31	168	1.5	43.75	★ 2KJ1301 - CG13 - X1		19
	34	157	1.8	40.88	2KJ1301 - CG13 - W1		19
	38	138	2.1	35.96	★ 2KJ1301 - CG13 - V1		19
44	121	2.4	31.49	2KJ1301 - CG13 - U1		19	
49	107	2.7	27.85	★ 2KJ1301 - CG13 - T1		19	
<b>FZ.28-LA71ZMP4</b>							
31	171	0.88	44.66	2KJ1300 - CG13 - A2		11	
35	150	1.0	39.15	★ 2KJ1300 - CG13 - X1		11	
39	134	1.1	35.04	2KJ1300 - CG13 - W1		11	
44	119	1.3	31.1	★ 2KJ1300 - CG13 - V1		11	
50	104	1.4	27.25	2KJ1300 - CG13 - U1		11	
57	92	1.6	23.96	★ 2KJ1300 - CG13 - T1		11	
63	83	1.8	21.64	2KJ1300 - CG13 - S1		11	
73	72	2.1	18.86	★ 2KJ1300 - CG13 - R1		11	
81	65	2.3	16.94	2KJ1300 - CG13 - Q1		11	
90	59	2.6	15.29	★ 2KJ1300 - CG13 - P1		11	
99	53	2.8	13.87	2KJ1300 - CG13 - N1		11	
109	48	3.1	12.62	★ 2KJ1300 - CG13 - M1		11	
123	43	3.3	11.16	2KJ1300 - CG13 - L1		11	
133	40	3.5	10.3	★ 2KJ1300 - CG13 - K1		11	
154	34	3.9	8.87	2KJ1300 - CG13 - J1		11	
170	31	4.1	8.06	★ 2KJ1300 - CG13 - H1		11	
0.75	<b>FD.188B-Z48-LA80ZMB4E</b>						
	0.28	22 934	0.87	5 021	2KJ1438 - DE13 - L1		642
	0.31	20 892	0.96	4 574	★ 2KJ1438 - DE13 - K1		642
	0.33	19 138	1.0	4 190	2KJ1438 - DE13 - J1		642
	0.37	17 078	1.2	3 739	★ 2KJ1438 - DE13 - H1		642
	0.42	15 242	1.3	3 337	2KJ1438 - DE13 - G1		642
	0.49	12 945	1.5	2 834	2KJ1438 - DE13 - F1		642
	0.59	10 775	1.9	2 359	★ 2KJ1438 - DE13 - E1		642
	0.60	10 606	1.9	2 322	★ 2KJ1438 - DE13 - D1		642

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
0.75	<b>FD.168B-Z48-LA80ZMB4E</b>						
	0.37	17 471	0.80	3 825	2KJ1435 - DE13 - J1		458
	0.41	15 589	0.90	3 413	★ 2KJ1435 - DE13 - H1		458
	0.46	13 913	1.0	3 046	2KJ1435 - DE13 - G1		458
	0.54	11 816	1.2	2 587	2KJ1435 - DE13 - F1		458
	0.65	9 834	1.4	2 153	★ 2KJ1435 - DE13 - E1		458
	0.66	9 679	1.4	2 119	★ 2KJ1435 - DE13 - D1		458
	0.74	8 637	1.6	1 891	2KJ1435 - DE13 - C1		458
	0.87	7 336	1.9	1 606	2KJ1435 - DE13 - B1		458
	<b>FD.148B-Z38-LA80ZMB4E</b>						
	0.57	11 273	0.80	2 468	2KJ1432 - DE13 - D1		291
	0.62	10 350	0.87	2 266	★ 2KJ1432 - DE13 - C1		291
	0.68	9 332	0.96	2 043	2KJ1432 - DE13 - B1		291
	<b>FD.148B-Z48-LA80ZMB4E</b>						
	0.86	7 464	1.2	1 634	2KJ1434 - DE13 - K1		300
	0.94	6 801	1.3	1 489	★ 2KJ1434 - DE13 - J1		300
	1.0	6 230	1.4	1 364	2KJ1434 - DE13 - H1		300
	<b>FD.148B-LA100LA8</b>						
	1.2	5 559	1.6	1 217	★ 2KJ1434 - DE13 - G1		300
	1.3	4 960	1.8	1 086	2KJ1434 - DE13 - F1		300
	<b>FD.128B-Z48-LA80ZMB4E</b>						
	0.93	6 870	0.89	1 504	2KJ1431 - DE13 - L1		210
	1.0	6 258	0.97	1 370	★ 2KJ1431 - DE13 - K1		210
	1.1	5 732	1.1	1 255	2KJ1431 - DE13 - J1		210
	1.2	5 116	1.2	1 120	★ 2KJ1431 - DE13 - H1		210
	1.4	4 563	1.3	999	2KJ1431 - DE13 - G1		210
	<b>FD.128B-LA100LA8</b>						
	1.9	3 739	1.6	354.99	2KJ1406 - FB13 - T1	P02	220
	<b>FD.128B-LA90SB6E</b>						
	2.1	3 469	1.8	447.96	2KJ1406 - ED13 - V1	P01	209
	2.3	3 140	1.9	405.47	★ 2KJ1406 - ED13 - U1	P01	209
	<b>FD.108B-LA90SB6E</b>						
	2.2	3 287	1.0	424.49	★ 2KJ1405 - ED13 - V1	P01	128
	2.4	2 964	1.1	382.79	2KJ1405 - ED13 - U1	P01	128
	2.7	2 673	1.3	345.19	★ 2KJ1405 - ED13 - T1	P01	128
	3.1	2 338	1.5	301.88	2KJ1405 - ED13 - S1	P01	128
	<b>FD.108B-LA80ZMB4E</b>						
	3.3	2 172	1.6	424.49	★ 2KJ1405 - DE13 - V1		125
	3.7	1 958	1.7	382.79	2KJ1405 - DE13 - U1		125
	4.1	1 766	1.9	345.19	★ 2KJ1405 - DE13 - T1		125
	<b>FD.88B-LA90SB6E</b>						
	3.2	2 266	0.84	292.64	★ 2KJ1404 - ED13 - S1	P01	81

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.75	<b>FD.88B-LA80ZMB4E</b>						
	3.5	2 072	0.92	404.92	2KJ1404 - DE13 - V1		78
	3.9	1 833	1.0	358.33	★ 2KJ1404 - DE13 - U1		78
	4.3	1 667	1.1	325.76	2KJ1404 - DE13 - T1		78
	4.8	1 497	1.3	292.64	★ 2KJ1404 - DE13 - S1		78
	5.6	1 283	1.5	250.83	2KJ1404 - DE13 - R1		78
	6.2	1 161	1.6	226.94	★ 2KJ1404 - DE13 - P1		78
	6.7	1 072	1.8	209.49	2KJ1404 - DE13 - N1		78
	7.7	932	2.0	182.15	★ 2KJ1404 - DE13 - M1		78
	<b>FD.68B-LA80ZMB4E</b>						
6.1	1 169	0.86	228.48	★ 2KJ1403 - DE13 - Q1		47	
6.6	1 092	0.92	213.48	2KJ1403 - DE13 - P1		47	
7.5	961	1.0	187.76	★ 2KJ1403 - DE13 - N1		47	
8.5	841	1.2	164.44	2KJ1403 - DE13 - M1		47	
9.6	744	1.3	145.44	★ 2KJ1403 - DE13 - L1		47	
10.6	674	1.5	131.82	2KJ1403 - DE13 - K1		47	
12.0	595	1.7	116.36	★ 2KJ1403 - DE13 - J1		47	
13.3	537	1.9	104.96	2KJ1403 - DE13 - H1		47	
14.7	487	2.1	95.2	★ 2KJ1403 - DE13 - G1		47	
16.1	444	2.3	86.74	2KJ1403 - DE13 - F1		47	
<b>FD.48B-LA80ZMB4E</b>							
10.9	655	0.82	128.04	★ 2KJ1402 - DE13 - L1		31	
12.1	592	0.91	115.68	2KJ1402 - DE13 - K1		31	
13.9	516	1.0	100.8	★ 2KJ1402 - DE13 - J1		31	
15.5	463	1.2	90.53	2KJ1402 - DE13 - H1		31	
17.1	418	1.3	81.73	★ 2KJ1402 - DE13 - G1		31	
18.9	379	1.4	74.1	2KJ1402 - DE13 - F1		31	
21	345	1.6	67.43	★ 2KJ1402 - DE13 - E1		31	
24	305	1.8	59.62	2KJ1402 - DE13 - D1		31	
25	282	1.9	55.06	★ 2KJ1402 - DE13 - C1		31	
30	243	2.2	47.4	2KJ1402 - DE13 - B1		31	
32	220	2.4	43.09	★ 2KJ1402 - DE13 - A1		31	
<b>FZ.48B-LA80ZMB4E</b>							
23	311	1.3	60.71	★ 2KJ1302 - DE13 - B2		31	
25	282	1.8	55.19	2KJ1302 - DE13 - A2		31	
28	254	2.1	49.58	★ 2KJ1302 - DE13 - X1		31	
33	217	2.5	42.5	2KJ1302 - DE13 - W1		31	
<b>FD.38B-LA80ZMB4E</b>							
19.8	362	0.80	70.7	★ 2KJ1401 - DE13 - C1		24	
22	326	0.89	63.77	2KJ1401 - DE13 - B1		24	
25	288	1.0	56.28	2KJ1401 - DE13 - A1		24	
<b>FZ.38B-LA80ZMB4E</b>							
28	258	0.89	50.44	2KJ1301 - DE13 - A2		23	
32	224	1.1	43.75	★ 2KJ1301 - DE13 - X1		23	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
0.75	<b>FZ.38B-LA80ZMB4E</b>						
	34	209	1.3	40.88	2KJ1301 - DE13 - W1		23
	39	184	1.6	35.96	★ 2KJ1301 - DE13 - V1		23
	44	161	1.8	31.49	2KJ1301 - DE13 - U1		23
	50	142	2.0	27.85	★ 2KJ1301 - DE13 - T1		23
	56	129	2.2	25.24	2KJ1301 - DE13 - S1		23
	63	114	2.5	22.28	★ 2KJ1301 - DE13 - R1		23
	70	103	2.8	20.1	2KJ1301 - DE13 - Q1		23
	77	93	3.1	18.23	★ 2KJ1301 - DE13 - P1		23
	<b>FZ.28-LA80ZMB4E</b>						
	40	179	0.84	35.04	2KJ1300 - DE13 - W1		15
	45	159	0.94	31.1	★ 2KJ1300 - DE13 - V1		15
	51	139	1.1	27.25	2KJ1300 - DE13 - U1		15
	58	123	1.2	23.96	★ 2KJ1300 - DE13 - T1		15
65	111	1.4	21.64	2KJ1300 - DE13 - S1		15	
74	96	1.6	18.86	★ 2KJ1300 - DE13 - R1		15	
83	87	1.7	16.94	2KJ1300 - DE13 - Q1		15	
92	78	1.9	15.29	★ 2KJ1300 - DE13 - P1		15	
101	71	2.1	13.87	2KJ1300 - DE13 - N1		15	
111	65	2.3	12.62	★ 2KJ1300 - DE13 - M1		15	
125	57	2.5	11.16	2KJ1300 - DE13 - L1		15	
136	53	2.6	10.3	★ 2KJ1300 - DE13 - K1		15	
158	45	2.9	8.87	2KJ1300 - DE13 - J1		15	
174	41	3.1	8.06	★ 2KJ1300 - DE13 - H1		15	
194	37	3.4	7.2	★ 2KJ1300 - DE13 - G1		15	
214	33	3.7	6.53	2KJ1300 - DE13 - F1		15	
236	30	3.9	5.94	★ 2KJ1300 - DE13 - E1		15	
267	27	4.1	5.25	2KJ1300 - DE13 - D1		15	
289	25	4.4	4.85	★ 2KJ1300 - DE13 - C1		15	
335	21	4.6	4.18	2KJ1300 - DE13 - B1		15	
368	19	4.9	3.8	★ 2KJ1300 - DE13 - A1		15	
1.1	<b>FD.188B-Z48-LA90SB4E</b>						
	0.38	24 675	0.81	3 739	★ 2KJ1438 - EM13 - H1		645
	0.43	22 022	0.91	3 337	2KJ1438 - EM13 - G1		645
	0.51	18 703	1.1	2 834	2KJ1438 - EM13 - F1		645
	0.61	15 568	1.3	2 359	★ 2KJ1438 - EM13 - E1		645
	0.62	15 324	1.3	2 322	★ 2KJ1438 - EM13 - D1		645
	0.70	13 674	1.5	2 072	2KJ1438 - EM13 - C1		645
	0.82	11 615	1.7	1 760	2KJ1438 - EM13 - B1		645
	<b>FD.168B-Z48-LA90SB4E</b>						
	0.56	17 073	0.82	2 587	2KJ1435 - EM13 - F1		461
	0.67	14 209	0.99	2 153	★ 2KJ1435 - EM13 - E1		461
	0.68	13 984	1.0	2 119	★ 2KJ1435 - EM13 - D1		461
	0.76	12 480	1.1	1 891	2KJ1435 - EM13 - C1		461

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
1.1	<b>FD.168B-Z48-LA90SB4E</b>						
	0.9	10 599	1.3	1 606	2KJ1435 - EM13 - B1		461
	1.1	8 823	1.6	1 337	★ 2KJ1435 - EM13 - A1		461
	<b>FD.168B-Z68-LA90SB4E</b>						
	1.1	8 566	1.6	1 298	2KJ1437 - EM13 - H1		478
	1.3	7 312	1.9	1 108	★ 2KJ1437 - EM13 - G1		478
	<b>FD.148B-Z48-LA90SB4E</b>						
	0.88	10 783	0.83	1 634	2KJ1434 - EM13 - K1		303
	0.97	9 827	0.92	1 489	★ 2KJ1434 - EM13 - J1		303
	1.1	9 002	1.0	1 364	2KJ1434 - EM13 - H1		303
	1.2	8 032	1.1	1 217	★ 2KJ1434 - EM13 - G1		303
	1.3	7 167	1.3	1 086	2KJ1434 - EM13 - F1		303
	<b>FD.148B-LA100L8</b>						
	1.5	6 940	1.3	449.21	★ 2KJ1407 - FL13 - U1	P02	316
	1.7	6 364	1.4	411.98	2KJ1407 - FL13 - T1	P02	316
	1.8	5 686	1.6	368.06	★ 2KJ1407 - FL13 - S1	P02	316
	2.0	5 207	1.7	337.07	2KJ1407 - FL13 - R1	P02	316
	<b>FD.128B-Z48-LA90SB4E</b>						
	1.3	7 391	0.83	1 120	★ 2KJ1431 - EM13 - H1		213
	1.4	6 593	0.93	999	2KJ1431 - EM13 - G1		213
	<b>FD.128B-LA100L8</b>						
	1.9	5 484	1.1	354.99	2KJ1406 - FL13 - T1	P02	220
	<b>FD.128B-LA90ZLD6E</b>						
	2.1	5 006	1.2	447.96	2KJ1406 - EQ13 - V1	P01	212
	2.3	4 531	1.3	405.47	★ 2KJ1406 - EQ13 - U1	P01	212
	2.6	3 967	1.5	354.99	2KJ1406 - EQ13 - T1	P01	212
	2.9	3 579	1.7	320.24	★ 2KJ1406 - EQ13 - S1	P01	212
	<b>FD.128B-LA90SB4E</b>						
	3.2	3 268	1.9	447.96	2KJ1406 - EM13 - V1		209
	<b>FD.108B-LA90ZLD6E</b>						
	2.7	3 858	0.88	345.19	★ 2KJ1405 - EQ13 - T1	P01	131
	3.1	3 374	1.0	301.88	2KJ1405 - EQ13 - S1	P01	131
	<b>FD.108B-LA90SB4E</b>						
	3.4	3 097	1.1	424.49	★ 2KJ1405 - EM13 - V1		128
	3.8	2 793	1.2	382.79	2KJ1405 - EM13 - U1		128
	4.2	2 518	1.4	345.19	★ 2KJ1405 - EM13 - T1		128
	4.8	2 202	1.5	301.88	2KJ1405 - EM13 - S1		128
	5.3	1 977	1.7	271.01	★ 2KJ1405 - EM13 - R1		128
	5.8	1 806	1.9	247.53	2KJ1405 - EM13 - Q1		128
	6.6	1 602	2.1	219.66	★ 2KJ1405 - EM13 - P1		128
	<b>FD.88B-LA90SB4E</b>						
	4.4	2 376	0.8	325.76	2KJ1404 - EM13 - T1		81
	4.9	2 135	0.89	292.64	★ 2KJ1404 - EM13 - S1		81
	5.7	1 830	1.0	250.83	2KJ1404 - EM13 - R1		81

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
1.1	<b>FD.88B-LA90SB4E</b>						
	6.3	1 656	1.1	226.94	★ 2KJ1404 - EM13 - P1		81
	6.9	1 528	1.2	209.49	2KJ1404 - EM13 - N1		81
	7.9	1 329	1.4	182.15	★ 2KJ1404 - EM13 - M1		81
	8.7	1 206	1.6	165.38	2KJ1404 - EM13 - L1		81
	9.5	1 102	1.7	151.01	★ 2KJ1404 - EM13 - K1		81
	10.4	1 011	1.9	138.56	2KJ1404 - EM13 - J1		81
	11.3	931	2.0	127.66	★ 2KJ1404 - EM13 - H1		81
	12.4	846	2.2	115.93	2KJ1404 - EM13 - G1		81
	<b>FD.68B-LA90SB4E</b>						
8.8	1 200	0.83	164.44	2KJ1403 - EM13 - M1		50	
9.9	1 061	0.94	145.44	★ 2KJ1403 - EM13 - L1		50	
10.9	962	1.0	131.82	2KJ1403 - EM13 - K1		50	
12.4	849	1.2	116.36	★ 2KJ1403 - EM13 - J1		50	
13.7	766	1.3	104.96	2KJ1403 - EM13 - H1		50	
15.1	694	1.4	95.2	★ 2KJ1403 - EM13 - G1		50	
16.6	633	1.6	86.74	2KJ1403 - EM13 - F1		50	
18.2	579	1.7	79.33	★ 2KJ1403 - EM13 - E1		50	
20	517	1.9	70.93	2KJ1403 - EM13 - D1		50	
22	475	2.1	65.14	★ 2KJ1403 - EM13 - C1		50	
24	428	2.3	58.71	2KJ1403 - EM13 - B1		50	
<b>FZ.68B-LA90SB4E</b>							
24	446	1.9	61.17	★ 2KJ1303 - EM13 - B2		49	
<b>FD.48B-LA90SB4E</b>							
15.9	660	0.82	90.53	2KJ1402 - EM13 - H1		34	
17.6	596	0.91	81.73	★ 2KJ1402 - EM13 - G1		34	
19.4	541	1.0	74.1	2KJ1402 - EM13 - F1		34	
21	492	1.1	67.43	★ 2KJ1402 - EM13 - E1		34	
24	435	1.2	59.62	2KJ1402 - EM13 - D1		34	
26	402	1.3	55.06	★ 2KJ1402 - EM13 - C1		34	
30	346	1.6	47.4	2KJ1402 - EM13 - B1		34	
33	314	1.7	43.09	★ 2KJ1402 - EM13 - A1		34	
<b>FZ.48B-LA90SB4E</b>							
24	443	0.90	60.71	★ 2KJ1302 - EM13 - B2		34	
26	403	1.2	55.19	2KJ1302 - EM13 - A2		34	
29	362	1.5	49.58	★ 2KJ1302 - EM13 - X1		34	
34	310	1.7	42.5	2KJ1302 - EM13 - W1		34	
38	280	1.9	38.45	★ 2KJ1302 - EM13 - V1		34	
41	259	2.1	35.49	2KJ1302 - EM13 - U1		34	
47	225	2.4	30.86	★ 2KJ1302 - EM13 - T1		34	
51	204	2.6	28.02	2KJ1302 - EM13 - S1		34	
56	187	2.9	25.59	★ 2KJ1302 - EM13 - R1		34	
<b>FZ.38B-LA90SB4E</b>							
35	298	0.92	40.88	2KJ1301 - EM13 - W1		26	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
1.1	<b>FZ.38B-LA90SB4E</b>						
	40	262	1.1	35.96	★ 2KJ1301 - EM13 - V1		26
	46	230	1.3	31.49	2KJ1301 - EM13 - U1		26
	52	203	1.4	27.85	★ 2KJ1301 - EM13 - T1		26
	57	184	1.6	25.24	2KJ1301 - EM13 - S1		26
	65	163	1.8	22.28	★ 2KJ1301 - EM13 - R1		26
	72	147	2.0	20.1	2KJ1301 - EM13 - Q1		26
	79	133	2.2	18.23	★ 2KJ1301 - EM13 - P1		26
	87	121	2.4	16.61	2KJ1301 - EM13 - N1		26
	95	111	2.6	15.19	★ 2KJ1301 - EM13 - M1		26
	106	99	2.9	13.58	2KJ1301 - EM13 - L1		26
	115	91	3.2	12.47	★ 2KJ1301 - EM13 - K1		26
	128	82	3.5	11.24	2KJ1301 - EM13 - J1		26
	1.1	<b>FZ.28-LA90SB4E</b>					
60		175	0.86	23.96	★ 2KJ1300 - EM13 - T1		18
66		158	0.95	21.64	2KJ1300 - EM13 - S1		18
76		138	1.1	18.86	★ 2KJ1300 - EM13 - R1		18
85		124	1.2	16.94	2KJ1300 - EM13 - Q1		18
94		112	1.3	15.29	★ 2KJ1300 - EM13 - P1		18
104		101	1.5	13.87	2KJ1300 - EM13 - N1		18
114		92	1.6	12.62	★ 2KJ1300 - EM13 - M1		18
129		81	1.7	11.16	2KJ1300 - EM13 - L1		18
140		75	1.8	10.3	★ 2KJ1300 - EM13 - K1		18
162		65	2.0	8.87	2KJ1300 - EM13 - J1		18
179		59	2.2	8.06	★ 2KJ1300 - EM13 - H1		18
200		52	2.4	7.2	★ 2KJ1300 - EM13 - G1		18
221		48	2.6	6.53	2KJ1300 - EM13 - F1		18
242		43	2.7	5.94	★ 2KJ1300 - EM13 - E1		18
274		38	2.9	5.25	2KJ1300 - EM13 - D1		18
297		35	3.1	4.85	★ 2KJ1300 - EM13 - C1		18
344	30	3.2	4.18	2KJ1300 - EM13 - B1		18	
379	28	3.5	3.8	★ 2KJ1300 - EM13 - A1		18	
1.5	<b>FD.188B-Z48-LA90ZLB4E</b>						
	0.61	21 388	0.94	2 359	★ 2KJ1438 - EQ13 - E1		648
	0.62	21 052	0.95	2 322	★ 2KJ1438 - EQ13 - D1		648
	0.70	18 786	1.1	2 072	2KJ1438 - EQ13 - C1		648
	0.82	15 957	1.3	1 760	2KJ1438 - EQ13 - B1		648
	0.98	13 282	1.5	1 465	★ 2KJ1438 - EQ13 - A1		648
	<b>FD.188B-Z68-LA90ZLB4E</b>						
	0.99	13 137	1.5	1 449	2KJ1441 - EQ13 - H1		665
	1.2	11 206	1.8	1 236	★ 2KJ1441 - EQ13 - G1		665
	<b>FD.168B-Z48-LA90ZLB4E</b>						
0.76	17 145	0.82	1 891	2KJ1435 - EQ13 - C1		464	
0.90	14 561	0.96	1 606	2KJ1435 - EQ13 - B1		464	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
1.5	<b>FD.168B-Z48-LA90ZLB4E</b>						
	1.1	12 122	1.2	1 337	★ 2KJ1435 - EQ13 - A1		464
<b>FD.168B-Z68-LA90ZLB4E</b>							
1.1	11 768		1.2	1 298	2KJ1437 - EQ13 - H1		481
1.3	10 046		1.4	1 108	★ 2KJ1437 - EQ13 - G1		481
<b>FD.148B-Z48-LA90ZLB4E</b>							
1.2	11 034		0.82	1 217	★ 2KJ1434 - EQ13 - G1		306
1.3	9 846		0.91	1 086	2KJ1434 - EQ13 - F1		306
<b>FD.148B-LA112M8</b>							
1.6	9 128		0.99	449.21	★ 2KJ1407 - GG13 - U1	P02	323
1.7	8 371		1.1	411.98	2KJ1407 - GG13 - T1	P02	323
1.9	7 479		1.2	368.06	★ 2KJ1407 - GG13 - S1	P02	323
<b>FD.148B-LA100ZLP6E</b>							
2.1	6 882		1.3	449.21	★ 2KJ1407 - FM13 - U1	P01	316
2.3	6 312		1.4	411.98	2KJ1407 - FM13 - T1	P01	316
2.5	5 639		1.6	368.06	★ 2KJ1407 - FM13 - S1	P01	316
2.8	5 164		1.7	337.07	2KJ1407 - FM13 - R1	P01	316
3.0	4 757		1.9	310.51	★ 2KJ1407 - FM13 - Q1	P01	316
<b>FD.128B-LA100ZLP6E</b>							
2.6	5 439		1.1	354.99	2KJ1406 - FM13 - T1	P01	220
2.9	4 906		1.2	320.24	★ 2KJ1406 - FM13 - S1	P01	220
<b>FD.128B-LA90ZLB4E</b>							
3.2	4 456		1.4	447.96	2KJ1406 - EQ13 - V1		212
3.6	4 034		1.5	405.47	★ 2KJ1406 - EQ13 - U1		212
4.1	3 531		1.7	354.99	2KJ1406 - EQ13 - T1		212
4.5	3 186		1.9	320.24	★ 2KJ1406 - EQ13 - S1		212
<b>FD.108B-LA90ZLB4E</b>							
3.4	4 223		0.81	424.49	★ 2KJ1405 - EQ13 - V1		131
3.8	3 808		0.89	382.79	2KJ1405 - EQ13 - U1		131
4.2	3 434		0.99	345.19	★ 2KJ1405 - EQ13 - T1		131
4.8	3 003		1.1	301.88	2KJ1405 - EQ13 - S1		131
5.3	2 696		1.3	271.01	★ 2KJ1405 - EQ13 - R1		131
5.8	2 462		1.4	247.53	2KJ1405 - EQ13 - Q1		131
6.6	2 185		1.6	219.66	★ 2KJ1405 - EQ13 - P1		131
7.1	2 017		1.7	202.77	2KJ1405 - EQ13 - N1		131
7.9	1 824		1.9	183.39	★ 2KJ1405 - EQ13 - M1		131
8.5	1 680		2.0	168.88	2KJ1405 - EQ13 - L1		131
<b>FD.88B-LA90ZLB4E</b>							
6.3	2 258		0.84	226.94	★ 2KJ1404 - EQ13 - P1		84
6.9	2 084		0.91	209.49	2KJ1404 - EQ13 - N1		84
7.9	1 812		1.0	182.15	★ 2KJ1404 - EQ13 - M1		84
8.7	1 645		1.2	165.38	2KJ1404 - EQ13 - L1		84
9.5	1 502		1.3	151.01	★ 2KJ1404 - EQ13 - K1		84
10.4	1 378		1.4	138.56	2KJ1404 - EQ13 - J1		84

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

### Geared motors up to 200 kW

#### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
1.5	<b>FD.88B-LA90ZLB4E</b>						
	11.3	1 270	1.5	127.66	★	2KJ1404 - EQ13 - H1	84
	12.4	1 153	1.6	115.93		2KJ1404 - EQ13 - G1	84
	13.6	1 051	1.8	105.61	★	2KJ1404 - EQ13 - F1	84
	14.9	962	2.0	96.75		2KJ1404 - EQ13 - E1	84
	16.7	859	2.2	86.33	★	2KJ1404 - EQ13 - D1	84
	<b>FD.68B-LA90ZLB4E</b>						
	12.4	1 158	0.86	116.36	★	2KJ1403 - EQ13 - J1	53
	13.7	1 044	0.96	104.96		2KJ1403 - EQ13 - H1	53
	15.1	947	1.1	95.2	★	2KJ1403 - EQ13 - G1	53
	16.6	863	1.2	86.74		2KJ1403 - EQ13 - F1	53
	18.2	789	1.3	79.33	★	2KJ1403 - EQ13 - E1	53
	20	706	1.4	70.93		2KJ1403 - EQ13 - D1	53
	22	648	1.5	65.14	★	2KJ1403 - EQ13 - C1	53
	24	584	1.7	58.71		2KJ1403 - EQ13 - B1	53
28	502	2.0	50.48	★	2KJ1403 - EQ13 - A1	53	
<b>FZ.68B-LA90ZLB4E</b>							
24	609	1.4	61.17	★	2KJ1303 - EQ13 - B2	52	
27	532	1.9	53.5		2KJ1303 - EQ13 - A2	52	
30	478	2.1	48.03	★	2KJ1303 - EQ13 - X1	52	
33	436	2.3	43.87		2KJ1303 - EQ13 - V1	52	
37	387	2.6	38.93	★	2KJ1303 - EQ13 - U1	52	
<b>FD.48B-LA90ZLB4E</b>							
21	671	0.81	67.43	★	2KJ1402 - EQ13 - E1	37	
24	593	0.91	59.62		2KJ1402 - EQ13 - D1	37	
26	548	0.99	55.06	★	2KJ1402 - EQ13 - C1	37	
30	472	1.1	47.4		2KJ1402 - EQ13 - B1	37	
33	429	1.3	43.09	★	2KJ1402 - EQ13 - A1	37	
<b>FZ.48B-LA90ZLB4E</b>							
26	549	0.91	55.19		2KJ1302 - EQ13 - A2	37	
29	493	1.1	49.58	★	2KJ1302 - EQ13 - X1	37	
34	423	1.3	42.5		2KJ1302 - EQ13 - W1	37	
38	382	1.4	38.45	★	2KJ1302 - EQ13 - V1	37	
41	353	1.5	35.49		2KJ1302 - EQ13 - U1	37	
47	307	1.8	30.86	★	2KJ1302 - EQ13 - T1	37	
51	279	1.9	28.02		2KJ1302 - EQ13 - S1	37	
56	255	2.1	25.59	★	2KJ1302 - EQ13 - R1	37	
61	234	2.3	23.48		2KJ1302 - EQ13 - Q1	37	
67	215	2.5	21.63	★	2KJ1302 - EQ13 - P1	37	
73	195	2.8	19.64		2KJ1302 - EQ13 - N1	37	
80	178	3.0	17.89	★	2KJ1302 - EQ13 - M1	37	
88	163	3.3	16.39		2KJ1302 - EQ13 - L1	37	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
1.5	<b>FZ.38B-LA90ZLB4E</b>						
	40	358	0.81	35.96	★ 2KJ1301 - EQ13 - V1		29
	46	313	0.93	31.49	2KJ1301 - EQ13 - U1		29
	52	277	1.0	27.85	★ 2KJ1301 - EQ13 - T1		29
	57	251	1.2	25.24	2KJ1301 - EQ13 - S1		29
	65	222	1.3	22.28	★ 2KJ1301 - EQ13 - R1		29
	72	200	1.5	20.1	2KJ1301 - EQ13 - Q1		29
	79	181	1.6	18.23	★ 2KJ1301 - EQ13 - P1		29
	87	165	1.8	16.61	2KJ1301 - EQ13 - N1		29
	95	151	1.9	15.19	★ 2KJ1301 - EQ13 - M1		29
	106	135	2.1	13.58	2KJ1301 - EQ13 - L1		29
	115	124	2.3	12.47	★ 2KJ1301 - EQ13 - K1		29
	128	112	2.6	11.24	2KJ1301 - EQ13 - J1		29
	149	96	3.0	9.67	★ 2KJ1301 - EQ13 - H1		29
	169	85	3.4	8.52	2KJ1301 - EQ13 - G1		29
	186	77	3.8	7.76	2KJ1301 - EQ13 - F1		29
	203	71	4.1	7.1	★ 2KJ1301 - EQ13 - E1		29
	227	63	4.4	6.35	2KJ1301 - EQ13 - D1		29
	247	58	4.7	5.83	★ 2KJ1301 - EQ13 - C1		29
	274	52	4.8	5.25	2KJ1301 - EQ13 - B1		29
319	45	5.1	4.52	★ 2KJ1301 - EQ13 - A1		29	
<b>FZ.38B-LA90SB2E</b>							
159	90	3.2	18.23	★ 2KJ1301 - EM13 - P1	P00	26	
174	82	3.5	16.61	2KJ1301 - EM13 - N1	P00	26	
190	75	3.9	15.19	★ 2KJ1301 - EM13 - M1	P00	26	
213	67	4.3	13.58	2KJ1301 - EM13 - L1	P00	26	
<b>FZ.28-LA90ZLB4E</b>							
76	188	0.80	18.86	★ 2KJ1300 - EQ13 - R1		21	
85	169	0.89	16.94	2KJ1300 - EQ13 - Q1		21	
94	152	0.99	15.29	★ 2KJ1300 - EQ13 - P1		21	
104	138	1.1	13.87	2KJ1300 - EQ13 - N1		21	
114	126	1.2	12.62	★ 2KJ1300 - EQ13 - M1		21	
129	111	1.3	11.16	2KJ1300 - EQ13 - L1		21	
140	102	1.3	10.3	★ 2KJ1300 - EQ13 - K1		21	
162	88	1.5	8.87	2KJ1300 - EQ13 - J1		21	
179	80	1.6	8.06	★ 2KJ1300 - EQ13 - H1		21	
200	72	1.8	7.2	2KJ1300 - EQ13 - G1		21	
221	65	1.9	6.53	★ 2KJ1300 - EQ13 - F1		21	
242	59	2.0	5.94	2KJ1300 - EQ13 - E1		21	
274	52	2.1	5.25	★ 2KJ1300 - EQ13 - D1		21	
297	48	2.3	4.85	2KJ1300 - EQ13 - C1		21	
344	42	2.4	4.18	★ 2KJ1300 - EQ13 - B1		21	
379	38	2.5	3.8	2KJ1300 - EQ13 - A1		21	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
2.2	<b>FD.188B-Z48-LA100ZLP4E</b>						
	0.82	23 638	0.85	1 760	2KJ1438 - FM13 - B1		656
	0.98	19676	1.0	1 465	★ 2KJ1438 - FM13 - A1		656
	<b>FD.188B-Z68-LA100ZLP4E</b>						
	0.99	19 461	1.0	1 449	2KJ1441 - FM13 - H1		673
	1.2	16 600	1.2	1 236	★ 2KJ1441 - FM13 - G1		673
	1.4	13 833	1.4	1 030	2KJ1441 - FM13 - F1		673
	<b>FD.188B-LA132S8</b>						
	1.7	12 122	1.6	403.86	★ 2KJ1410 - HE13 - U1	P02	676
	1.9	11 121	1.8	370.52	2KJ1410 - HE13 - T1	P02	676
	2.0	10 263	1.9	341.94	★ 2KJ1410 - HE13 - S1	P02	676
	<b>FD.168B-Z68-LA100ZLP4E</b>						
	1.1	17 433	0.80	1 298	2KJ1437 - FM13 - H1		489
	1.3	14 881	0.94	1 108	★ 2KJ1437 - FM13 - G1		489
	1.6	12 396	1.1	923	2KJ1437 - FM13 - F1		489
	<b>FD.168B-LA132S8</b>						
	1.9	11 083	1.3	369.26	★ 2KJ1408 - HE13 - V1	P02	495
	2.1	10 160	1.4	338.49	2KJ1408 - HE13 - U1	P02	495
	2.2	9 368	1.5	312.12	★ 2KJ1408 - HE13 - T1	P02	495
	2.4	8 682	1.6	289.26	2KJ1408 - HE13 - S1	P02	495
	2.5	8 255	1.7	275.03	★ 2KJ1408 - HE13 - R1	P02	495
	<b>FD.148B-LA132S8</b>						
	1.9	11 047	0.81	368.06	★ 2KJ1407 - HE13 - S1	P02	333
	<b>FD.148B-LA112ZMP6E</b>						
	2.1	9 883	0.91	449.21	★ 2KJ1407 - GJ13 - U1	P01	323
	2.3	9 064	0.99	411.98	2KJ1407 - GJ13 - T1	P01	323
	2.6	8 097	1.1	368.06	★ 2KJ1407 - GJ13 - S1	P01	323
	2.8	7 416	1.2	337.07	2KJ1407 - GJ13 - R1	P01	323
	3.1	6 831	1.3	310.51	★ 2KJ1407 - GJ13 - Q1	P01	323
	<b>FD.148B-LA100ZLP4E</b>						
	3.2	6 577	1.4	449.21	★ 2KJ1407 - FM13 - U1		316
	3.5	6 032	1.5	411.98	2KJ1407 - FM13 - T1		316
	3.9	5 389	1.7	368.06	★ 2KJ1407 - FM13 - S1		316
	4.3	4 935	1.8	337.07	2KJ1407 - FM13 - R1		316
	4.6	4 546	2.0	310.51	★ 2KJ1407 - FM13 - Q1		316
	5.0	4 209	2.1	287.49	2KJ1407 - FM13 - P1		316
	<b>FD.128B-LA112ZMP6E</b>						
	3.0	7 045	0.87	320.24	★ 2KJ1406 - GJ13 - S1	P01	227
	<b>FD.128B-LA100ZLP4E</b>						
	4.0	5 197	1.2	354.99	2KJ1406 - FM13 - T1		220
	4.5	4 689	1.3	320.24	★ 2KJ1406 - FM13 - S1		220
	4.9	4 293	1.4	293.22	2KJ1406 - FM13 - R1		220
	5.5	3 819	1.6	260.84	★ 2KJ1406 - FM13 - Q1		220
	6	3 490	1.7	238.39	2KJ1406 - FM13 - P1		220

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
2.2	<b>FD.128B-LA100ZLP4E</b>						
	6.5	3 209	1.9	219.15	★	2KJ1406 - FM13 - N1	220
	7.1	2 965	2.1	202.48		2KJ1406 - FM13 - M1	220
	<b>FD.108B-LA100ZLP4E</b>						
	5.3	3 968	0.86	271.01	★	2KJ1405 - FM13 - R1	139
	5.8	3 624	0.94	247.53		2KJ1405 - FM13 - Q1	139
	6.5	3 216	1.1	219.66	★	2KJ1405 - FM13 - P1	139
	7.1	2 969	1.1	202.77		2KJ1405 - FM13 - N1	139
	7.8	2 685	1.3	183.39	★	2KJ1405 - FM13 - M1	139
	8.5	2 473	1.4	168.88		2KJ1405 - FM13 - L1	139
	9.2	2 287	1.5	156.19	★	2KJ1405 - FM13 - K1	139
	9.9	2 123	1.6	144.99		2KJ1405 - FM13 - J1	139
	11.2	1 873	1.8	127.92	★	2KJ1405 - FM13 - H1	139
	12.1	1 729	2.0	118.11		2KJ1405 - FM13 - G1	139
	13.6	1 549	2.2	105.81	★	2KJ1405 - FM13 - F1	139
	<b>FD.88B-LA100ZLP4E</b>						
	9.5	2 211	0.86	151.01	★	2KJ1404 - FM13 - K1	92
	10.4	2 029	0.94	138.56		2KJ1404 - FM13 - J1	92
	11.2	1 869	1.0	127.66	★	2KJ1404 - FM13 - H1	92
	12.4	1 697	1.1	115.93		2KJ1404 - FM13 - G1	92
	13.6	1 546	1.2	105.61	★	2KJ1404 - FM13 - F1	92
	14.8	1 417	1.3	96.75		2KJ1404 - FM13 - E1	92
	16.6	1 264	1.5	86.33	★	2KJ1404 - FM13 - D1	92
	18.6	1 128	1.7	77.04		2KJ1404 - FM13 - C1	92
	22	958	2.0	65.43		2KJ1404 - FM13 - B1	92
	26	798	2.4	54.47	★	2KJ1404 - FM13 - A1	92
	<b>FZ.88B-LA100ZLP4E</b>						
	22	946	2.0	64.58	★	2KJ1304 - FM13 - X1	91
	24	866	2.2	59.13		2KJ1304 - FM13 - W1	91
	27	770	2.5	52.6	★	2KJ1304 - FM13 - V1	91
	<b>FD.68B-LA100ZLP4E</b>						
	18.1	1 161	0.86	79.33	★	2KJ1403 - FM13 - E1	61
	20	1 038	0.96	70.93		2KJ1403 - FM13 - D1	61
	22	954	1.0	65.14	★	2KJ1403 - FM13 - C1	61
	24	860	1.2	58.71		2KJ1403 - FM13 - B1	61
	28	739	1.4	50.48	★	2KJ1403 - FM13 - A1	61
	<b>FZ.68B-LA100ZLP4E</b>						
	27	783	1.3	53.5		2KJ1303 - FM13 - A2	60
	30	703	1.4	48.03	★	2KJ1303 - FM13 - X1	60
	33	642	1.6	43.87		2KJ1303 - FM13 - V1	60
	37	570	1.8	38.93	★	2KJ1303 - FM13 - U1	60
	40	526	1.9	35.93		2KJ1303 - FM13 - T1	60
	44	476	2.1	32.5	★	2KJ1303 - FM13 - S1	60
	48	438	2.3	29.93		2KJ1303 - FM13 - R1	60

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
2.2	<b>FZ.68B-LA100ZLP4E</b>						
	52	405	2.5	27.68	★	2KJ1303 - FM13 - Q1	60
	56	376	2.7	25.69		2KJ1303 - FM13 - P1	60
	63	332	3.0	22.67	★	2KJ1303 - FM13 - N1	60
	<b>FD.48B-LA100ZLP4E</b>						
	33	631	0.86	43.09	★	2KJ1402 - FM13 - SA1	45
	<b>FZ.48B-LA100ZLP4E</b>						
	34	622	0.87	42.5		2KJ1302 - FM13 - W1	45
	37	563	0.96	38.45	★	2KJ1302 - FM13 - V1	45
	40	520	1.0	35.49		2KJ1302 - FM13 - U1	45
	46	452	1.2	30.86	★	2KJ1302 - FM13 - T1	45
	51	410	1.3	28.02		2KJ1302 - FM13 - S1	45
	56	375	1.4	25.59	★	2KJ1302 - FM13 - R1	45
	61	344	1.6	23.48		2KJ1302 - FM13 - Q1	45
	66	317	1.7	21.63	★	2KJ1302 - FM13 - P1	45
	73	288	1.9	19.64		2KJ1302 - FM13 - N1	45
	80	262	2.1	17.89	★	2KJ1302 - FM13 - M1	45
	88	240	2.3	16.39		2KJ1302 - FM13 - L1	45
	98	214	2.5	14.63	★	2KJ1302 - FM13 - K1	45
	110	191	2.8	13.05		2KJ1302 - FM13 - J1	45
	129	162	3.3	11.09		2KJ1302 - FM13 - H1	45
	155	135	3.9	9.23	★	2KJ1302 - FM13 - G1	45
	171	123	4.2	8.39	★	2KJ1302 - FM13 - F1	45
	187	112	4.2	7.68		2KJ1302 - FM13 - E1	45
	209	100	4.4	6.86	★	2KJ1302 - FM13 - D1	45
	234	90	4.5	6.12		2KJ1302 - FM13 - C1	45
	331	63	5.1	4.33	★	2KJ1302 - FM13 - SA1	45
	<b>FZ.38B-LA100ZLP4E</b>						
	64	326	0.89	22.28	★	2KJ1301 - FM13 - R1	37
	71	294	0.99	20.1		2KJ1301 - FM13 - Q1	37
	79	267	1.1	18.23	★	2KJ1301 - FM13 - P1	37
	86	243	1.2	16.61		2KJ1301 - FM13 - N1	37
	94	222	1.3	15.19	★	2KJ1301 - FM13 - M1	37
	106	199	1.5	13.58		2KJ1301 - FM13 - L1	37
	115	183	1.6	12.47	★	2KJ1301 - FM13 - K1	37
	128	165	1.8	11.24		2KJ1301 - FM13 - J1	37
	148	142	2.0	9.67	★	2KJ1301 - FM13 - H1	37
	168	125	2.3	8.52	★	2KJ1301 - FM13 - G1	37
	185	114	2.6	7.76		2KJ1301 - FM13 - F1	37
	202	104	2.8	7.1	★	2KJ1301 - FM13 - E1	37
	226	93	3.0	6.35		2KJ1301 - FM13 - D1	37
	246	85	3.2	5.83	★	2KJ1301 - FM13 - C1	37
	273	77	3.3	5.25		2KJ1301 - FM13 - B1	37
	317	66	3.4	4.52	★	2KJ1301 - FM13 - SA1	37

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
2.2	<b>FZ.38B-LA90ZLB2E</b>						
	159	133	2.2	18.23	★ 2KJ1301 - EQ13 - P1	P00	29
	174	121	2.4	16.61	2KJ1301 - EQ13 - N1	P00	29
	190	110	2.6	15.19	★ 2KJ1301 - EQ13 - M1	P00	29
	213	99	2.9	13.58	2KJ1301 - EQ13 - L1	P00	29
	232	91	3.2	12.47	★ 2KJ1301 - EQ13 - K1	P00	29
	257	82	3.5	11.24	2KJ1301 - EQ13 - J1	P00	29
	299	70	4.1	9.67	★ 2KJ1301 - EQ13 - H1	P00	29
	339	62	4.7	8.52	★ 2KJ1301 - EQ13 - G1	P00	29
	372	56	5.1	7.76	2KJ1301 - EQ13 - F1	P00	29
3	<b>FD.188B-Z68-LA100ZLD4E</b>						
	1.2	22 720	0.88	1236	★ 2KJ1441 - FP13 - G1		673
	1.4	18 933	1.1	1030	2KJ1441 - FP13 - F1		673
	<b>FD.188B-LA132MA8</b>						
	1.7	16 529	1.2	403.86	★ 2KJ1410 - HG13 - U1	P02	684
	1.9	15 165	1.3	370.52	2KJ1410 - HG13 - T1	P02	684
	2.0	13 995	1.4	341.94	★ 2KJ1410 - HG13 - S1	P02	684
	2.2	12 982	1.5	317.18	2KJ1410 - HG13 - R1	P02	684
	2.3	12 246	1.6	299.2	★ 2KJ1410 - HG13 - Q1	P02	684
	<b>FD.188B-LA132SB6E</b>						
	2.4	12 180	1.6	403.86	★ 2KJ1410 - HF13 - U1	P01	684
	2.6	11 174	1.8	370.52	2KJ1410 - HF13 - T1	P01	684
	2.8	10 312	1.9	341.94	★ 2KJ1410 - HF13 - S1	P01	684
	<b>FD.168B-Z68-LA100ZLD4E</b>						
	1.6	16 967	0.83	923	2KJ1437 - FP13 - F1		489
	<b>FD.168B-LA132MA8</b>						
	1.9	15 113	0.93	369.26	★ 2KJ1408 - HG13 - V1	P02	503
	2.1	13 854	1.0	338.49	2KJ1408 - HG13 - U1	P02	503
	2.2	12 775	1.1	312.12	★ 2KJ1408 - HG13 - T1	P02	503
	2.4	11 839	1.2	289.26	2KJ1408 - HG13 - S1	P02	503
	2.5	11 257	1.2	275.03	★ 2KJ1408 - HG13 - R1	P02	503
	<b>FD.168B-LA132SB6E</b>						
	2.6	11 136	1.3	369.26	★ 2KJ1408 - HF13 - V1	P01	503
	2.8	10 208	1.4	338.49	2KJ1408 - HF13 - U1	P01	503
	3.0	9 413	1.5	312.12	★ 2KJ1408 - HF13 - T1	P01	503
	3.3	8 723	1.6	289.26	2KJ1408 - HF13 - S1	P01	503
	3.5	8 294	1.7	275.03	★ 2KJ1408 - HF13 - R1	P01	503
3.7	7 752	1.8	257.04	2KJ1408 - HF13 - Q1	P01	503	
<b>FD.148B-LA132SB6E</b>							
2.6	11 100	0.81	368.06	★ 2KJ1407 - HF13 - S1	P01	341	
2.8	10 165	0.89	337.07	2KJ1407 - HF13 - R1	P01	341	
3.1	9 364	0.96	310.51	★ 2KJ1407 - HF13 - Q1	P01	341	
<b>FD.148B-LA100ZLD4E</b>							
3.2	8 969	1.0	449.21	★ 2KJ1407 - FP13 - U1		316	

★ Preferred transmission ratio

Shaft designs, see page 3/89 — 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 — 1 to 9

Gearbox housing mounting position, see page 3/92 — A, D, E, F, H or M

\*) For mounting type B5-01

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
3	<b>FD.148B-LA100ZLD4E</b>						
	3.5	8 225	1.1	411.98	2KJ1407 - FP13 - T1		316
	3.9	7 348	1.2	368.06	★ 2KJ1407 - FP13 - S1		316
	4.3	6 730	1.3	337.07	2KJ1407 - FP13 - R1		316
	4.6	6 199	1.5	310.51	★ 2KJ1407 - FP13 - Q1		316
	5.0	5 740	1.6	287.49	2KJ1407 - FP13 - P1		316
	5.4	5 338	1.7	267.35	★ 2KJ1407 - FP13 - N1		316
	5.7	4 983	1.8	249.58	2KJ1407 - FP13 - M1		316
	6.4	4 458	2.0	223.31	★ 2KJ1407 - FP13 - L1		316
	<b>FD.128B-LA100ZLD4E</b>						
	4.0	7 087	0.86	354.99	2KJ1406 - FP13 - T1		220
	4.5	6 394	0.95	320.24	★ 2KJ1406 - FP13 - S1		220
	4.9	5 854	1.0	293.22	2KJ1406 - FP13 - R1		220
	5.5	5 208	1.2	260.84	★ 2KJ1406 - FP13 - Q1		220
	6.0	4 759	1.3	238.39	2KJ1406 - FP13 - P1		220
	6.5	4 375	1.4	219.15	★ 2KJ1406 - FP13 - N1		220
	7.1	4 043	1.5	202.48	2KJ1406 - FP13 - M1		220
	7.6	3 751	1.6	187.88	★ 2KJ1406 - FP13 - L1		220
	8.2	3 494	1.7	175.01	2KJ1406 - FP13 - K1		220
	9.1	3 159	1.9	158.22	★ 2KJ1406 - FP13 - J1		220
9.9	2 908	2.1	145.66	2KJ1406 - FP13 - H1		220	
	<b>FD.108B-LA100ZLD4E</b>						
	7.1	4 048	0.84	202.77	2KJ1405 - FP13 - N1		139
	7.8	3 661	0.93	183.39	★ 2KJ1405 - FP13 - M1		139
	8.5	3 372	1.0	168.88	2KJ1405 - FP13 - L1		139
	9.2	3 118	1.1	156.19	★ 2KJ1405 - FP13 - K1		139
	9.9	2 895	1.2	144.99	2KJ1405 - FP13 - J1		139
	11.2	2 554	1.3	127.92	★ 2KJ1405 - FP13 - H1		139
	12.1	2 358	1.4	118.11	2KJ1405 - FP13 - G1		139
	13.6	2 113	1.6	105.81	★ 2KJ1405 - FP13 - F1		139
	14.7	1 948	1.7	97.57	2KJ1405 - FP13 - E1		139
	17.5	1 634	2.1	81.86	2KJ1405 - FP13 - D1		139
		<b>FZ.108B-LA100ZLD4E</b>					
22	1 282	2.3	64.21	★ 2KJ1305 - FP13 - A2		138	
	<b>FD.88B-LA100ZLD4E</b>						
	12.4	2 315	0.82	115.93	2KJ1404 - FP13 - G1		92
	13.6	2 109	0.90	105.61	★ 2KJ1404 - FP13 - F1		92
	14.8	1 932	0.98	96.75	2KJ1404 - FP13 - E1		92
	16.6	1 724	1.1	86.33	★ 2KJ1404 - FP13 - D1		92
	18.6	1 538	1.2	77.04	2KJ1404 - FP13 - C1		92
	22	1 306	1.5	65.43	2KJ1404 - FP13 - B1		92
	26	1 088	1.7	54.47	★ 2KJ1404 - FP13 - A1		92
	<b>FZ.88B-LA100ZLD4E</b>						
22	1 289	1.5	64.58	★ 2KJ1304 - FP13 - X1		91	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
3	<b>FZ.88B-LA100ZLD4E</b>						
	24	1 181	1.6	59.13	2KJ1304 - FP13 - W1		91
	27	1 050	1.8	52.6	★ 2KJ1304 - FP13 - V1		91
	30	959	2.0	48.03	2KJ1304 - FP13 - U1		91
	32	882	2.2	44.2	★ 2KJ1304 - FP13 - T1		91
	35	815	2.3	40.83	2KJ1304 - FP13 - S1		91
	38	756	2.5	37.89	★ 2KJ1304 - FP13 - R1		91
	41	705	2.7	35.29	2KJ1304 - FP13 - Q1		91
<b>FD.68B-LA100ZLD4E</b>							
24	1 172	0.85	58.71	2KJ1403 - FP13 - B1		61	
28	1 008	0.99	50.48	★ 2KJ1403 - FP13 - A1		61	
<b>FZ.68B-LA100ZLD4E</b>							
27	1 068	0.94	53.5	2KJ1303 - FP13 - A2		60	
30	959	1.0	48.03	★ 2KJ1303 - FP13 - X1		60	
33	876	1.1	43.87	2KJ1303 - FP13 - V1		60	
37	777	1.3	38.93	★ 2KJ1303 - FP13 - U1		60	
40	717	1.4	35.93	2KJ1303 - FP13 - T1		60	
44	649	1.5	32.5	★ 2KJ1303 - FP13 - S1		60	
48	598	1.7	29.93	2KJ1303 - FP13 - R1		60	
52	553	1.8	27.68	★ 2KJ1303 - FP13 - Q1		60	
56	513	1.9	25.69	2KJ1303 - FP13 - P1		60	
63	453	2.2	22.67	★ 2KJ1303 - FP13 - N1		60	
69	418	2.4	20.93	2KJ1303 - FP13 - M1		60	
76	374	2.7	18.75	★ 2KJ1303 - FP13 - L1		60	
83	345	2.9	17.29	2KJ1303 - FP13 - K1		60	
99	290	3.5	14.51	2KJ1303 - FP13 - J1		60	
<b>FZ.48B-LA100ZLD4E</b>							
46	616	0.88	30.86	★ 2KJ1302 - FP13 - T1		45	
51	559	0.97	28.02	2KJ1302 - FP13 - S1		45	
56	511	1.1	25.59	★ 2KJ1302 - FP13 - R1		45	
61	469	1.2	23.48	2KJ1302 - FP13 - Q1		45	
66	432	1.3	21.63	★ 2KJ1302 - FP13 - P1		45	
73	392	1.4	19.64	2KJ1302 - FP13 - N1		45	
80	357	1.5	17.89	★ 2KJ1302 - FP13 - M1		45	
88	327	1.7	16.39	2KJ1302 - FP13 - L1		45	
98	292	1.8	14.63	★ 2KJ1302 - FP13 - K1		45	
110	261	2.1	13.05	2KJ1302 - FP13 - J1		45	
129	221	2.4	11.09	2KJ1302 - FP13 - H1		45	
155	184	2.9	9.23	★ 2KJ1302 - FP13 - G1		45	
171	168	3.0	8.39	★ 2KJ1302 - FP13 - F1		45	
187	153	3.0	7.68	2KJ1302 - FP13 - E1		45	
209	137	3.2	6.86	★ 2KJ1302 - FP13 - D1		45	
234	122	3.3	6.12	2KJ1302 - FP13 - C1		45	
276	104	3.6	5.2	2KJ1302 - FP13 - B1		45	
3	331	86	3.8	4.33	★ 2KJ1302 - FP13 - A1		45

★ Preferred transmission ratio

Shaft designs, see page 3/89 — 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 — 1 to 9

Gearbox housing mounting position, see page 3/92 — A, D, E, F, H or M

\*) For mounting type B5-01

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
3	<b>FZ.48B-LA100ZLB2E</b>						
	162	177	3.0	17.89	★ 2KJ1302 - FM13 - M1	P00	45
	176	162	3.3	16.39	2KJ1302 - FM13 - L1	P00	45
	198	145	3.7	14.63	★ 2KJ1302 - FM13 - K1	P00	45
	221	129	4.2	13.05	2KJ1302 - FM13 - J1	P00	45
	<b>FZ.38B-LA100ZLD4E</b>						
	79	364	0.80	18.23	★ 2KJ1301 - FP13 - P1		37
	86	332	0.87	16.61	2KJ1301 - FP13 - N1		37
	94	303	0.96	15.19	★ 2KJ1301 - FP13 - M1		37
	106	271	1.1	13.58	2KJ1301 - FP13 - L1		37
	115	249	1.2	12.47	★ 2KJ1301 - FP13 - K1		37
	128	224	1.3	11.24	2KJ1301 - FP13 - J1		37
	148	193	1.5	9.67	★ 2KJ1301 - FP13 - H1		37
	168	170	1.7	8.52	★ 2KJ1301 - FP13 - G1		37
	185	155	1.9	7.76	2KJ1301 - FP13 - F1		37
	202	142	2.0	7.1	★ 2KJ1301 - FP13 - E1		37
	226	127	2.2	6.35	2KJ1301 - FP13 - D1		37
	246	116	2.4	5.83	★ 2KJ1301 - FP13 - C1		37
	273	105	2.4	5.25	2KJ1301 - FP13 - B1		37
	317	90	2.5	4.52	★ 2KJ1301 - FP13 - A1		37
	<b>FZ.38B-LA100ZLB2E</b>						
	159	181	1.6	18.23	★ 2KJ1301 - FM13 - P1	P00	37
	174	165	1.8	16.61	2KJ1301 - FM13 - N1	P00	37
	190	151	1.9	15.19	★ 2KJ1301 - FM13 - M1	P00	37
	213	135	2.2	13.58	2KJ1301 - FM13 - L1	P00	37
	232	124	2.3	12.47	★ 2KJ1301 - FM13 - K1	P00	37
	257	111	2.6	11.24	2KJ1301 - FM13 - J1	P00	37
	299	96	3.0	9.67	★ 2KJ1301 - FM13 - H1	P00	37
	339	84	3.4	8.52	★ 2KJ1301 - FM13 - G1	P00	37
	372	77	3.8	7.76	2KJ1301 - FM13 - F1	P00	37
	407	70	4.1	7.1	★ 2KJ1301 - FM13 - E1	P00	37
	455	63	4.4	6.35	2KJ1301 - FM13 - D1	P00	37
	496	58	4.8	5.83	★ 2KJ1301 - FM13 - C1	P00	37
	550	52	4.9	5.25	2KJ1301 - FM13 - B1	P00	37
	639	45	5.1	4.52	★ 2KJ1301 - FM13 - A1	P00	37
	<b>FZ.28-LA100ZLD4E</b>						
	199	144	0.88	7.2	★ 2KJ1300 - FP13 - G1		29
	220	130	0.94	6.53	2KJ1300 - FP13 - F1		29
	242	119	0.99	5.94	★ 2KJ1300 - FP13 - E1		29
	273	105	1.1	5.25	2KJ1300 - FP13 - D1		29
	296	97	1.1	4.85	★ 2KJ1300 - FP13 - C1		29
	343	84	1.2	4.18	2KJ1300 - FP13 - B1		29
	378	76	1.3	3.8	★ 2KJ1300 - FP13 - A1		29

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
4	<b>FD.188B-Z68-LA112ZMP4</b>						
	1.4	24 905	0.80	1 030	2KJ1441 - GJ13 - F1		680
	<b>FD.188B-LA132ZMB6E</b>						
	2.4	16 239	1.2	403.86	★ 2KJ1410 - HJ13 - U1	P01	684
	2.6	14 899	1.3	370.52	2KJ1410 - HJ13 - T1	P01	684
	2.8	13 750	1.5	341.94	★ 2KJ1410 - HJ13 - S1	P01	684
	3.0	12 754	1.6	317.18	2KJ1410 - HJ13 - R1	P01	684
	3.2	12 031	1.7	299.2	★ 2KJ1410 - HJ13 - Q1	P01	684
	3.4	11 253	1.8	279.86	2KJ1410 - HJ13 - P1	P01	684
	<b>FD.168B-LA132ZMB6E</b>						
	2.6	14 848	0.94	369.26	★ 2KJ1408 - HJ13 - V1	P01	503
	2.8	13 611	1.0	338.49	2KJ1408 - HJ13 - U1	P01	503
	3.0	12 551	1.1	312.12	★ 2KJ1408 - HJ13 - T1	P01	503
	3.3	11 631	1.2	289.26	2KJ1408 - HJ13 - S1	P01	503
	3.5	11 059	1.3	275.03	★ 2KJ1408 - HJ13 - R1	P01	503
	3.7	10 336	1.4	257.04	2KJ1408 - HJ13 - Q1	P01	503
	<b>FD.148B-LA112ZMP4E</b>						
	3.5	10 929	0.82	411.98	2KJ1407 - GJ13 - T1		323
	3.9	9 764	0.92	368.06	★ 2KJ1407 - GJ13 - S1		323
4.3	8 942	1.0	337.07	2KJ1407 - GJ13 - R1		323	
4.6	8 237	1.1	310.51	★ 2KJ1407 - GJ13 - Q1		323	
5.0	7 626	1.2	287.49	2KJ1407 - GJ13 - P1		323	
5.4	7 092	1.3	267.35	★ 2KJ1407 - GJ13 - N1		323	
5.8	6 621	1.4	249.58	2KJ1407 - GJ13 - M1		323	
6.4	5 924	1.5	223.31	★ 2KJ1407 - GJ13 - L1		323	
7.0	5 489	1.6	206.93	2KJ1407 - GJ13 - K1		323	
7.6	5 032	1.8	189.69	★ 2KJ1407 - GJ13 - J1		323	
8.3	4 613	2.0	173.89	2KJ1407 - GJ13 - H1		323	
<b>FD.128B-LA112ZMP4E</b>							
5.5	6 920	0.88	260.84	★ 2KJ1406 - GJ13 - Q1		227	
6.0	6 324	0.96	238.39	2KJ1406 - GJ13 - P1		227	
6.6	5 814	1.0	219.15	★ 2KJ1406 - GJ13 - N1		227	
7.1	5 371	1.1	202.48	2KJ1406 - GJ13 - M1		227	
7.7	4 984	1.2	187.88	★ 2KJ1406 - GJ13 - L1		227	
8.2	4 643	1.3	175.01	2KJ1406 - GJ13 - K1		227	
9.1	4 197	1.5	158.22	★ 2KJ1406 - GJ13 - J1		227	
9.9	3 864	1.6	145.66	2KJ1406 - GJ13 - H1		227	
11.0	3 475	1.8	131.01	★ 2KJ1406 - GJ13 - G1		227	
11.9	3 206	1.9	120.87	2KJ1406 - GJ13 - F1		227	
14.1	2 717	2.2	102.41	2KJ1406 - GJ13 - E1		227	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
4	<b>FD.108B-LA112ZMP4E</b>						
	9.2	4 143	0.82	156.19	★	2KJ1405 - GJ13 - K1	146
	9.9	3 846	0.88	144.99		2KJ1405 - GJ13 - J1	146
	11.3	3 393	1.0	127.92	★	2KJ1405 - GJ13 - H1	146
	12.2	3 133	1.1	118.11		2KJ1405 - GJ13 - G1	146
	13.6	2 807	1.2	105.81	★	2KJ1405 - GJ13 - F1	146
	14.8	2 588	1.3	97.57		2KJ1405 - GJ13 - E1	146
	17.6	2 172	1.6	81.86		2KJ1405 - GJ13 - D1	146
	21	1 853	1.8	69.84	★	2KJ1405 - GJ13 - C1	146
	25	1 544	2.2	58.2		2KJ1405 - GJ13 - B1	146
<b>FZ.108B-LA112ZMP4E</b>							
22	1 703	1.8	64.21	★	2KJ1305 - GJ13 - A2	145	
24	1 560	1.9	58.8		2KJ1305 - GJ13 - X1	145	
27	1 437	2.4	54.17	★	2KJ1305 - GJ13 - W1	145	
<b>FD.88B-LA112ZMP4E</b>							
16.7	2 290	0.83	86.33	★	2KJ1404 - GJ13 - D1	99	
18.7	2 044	0.93	77.04		2KJ1404 - GJ13 - C1	99	
22	1 736	1.1	65.43		2KJ1404 - GJ13 - B1	99	
26	1 445	1.3	54.47	★	2KJ1404 - GJ13 - A1	99	
<b>FZ.88B-LA112ZMP4E</b>							
22	1 713	1.1	64.58	★	2KJ1304 - GJ13 - X1	98	
24	1 569	1.2	59.13		2KJ1304 - GJ13 - W1	98	
27	1 395	1.4	52.6	★	2KJ1304 - GJ13 - V1	98	
30	1 274	1.5	48.03		2KJ1304 - GJ13 - U1	98	
33	1 173	1.6	44.2	★	2KJ1304 - GJ13 - T1	98	
35	1 083	1.8	40.83		2KJ1304 - GJ13 - S1	98	
38	1 005	1.9	37.89	★	2KJ1304 - GJ13 - R1	98	
41	936	2.0	35.29		2KJ1304 - GJ13 - Q1	98	
45	847	2.2	31.91	★	2KJ1304 - GJ13 - P1	98	
49	779	2.4	29.38		2KJ1304 - GJ13 - N1	98	
54	701	2.7	26.42	★	2KJ1304 - GJ13 - M1	98	
59	647	2.9	24.38		2KJ1304 - GJ13 - L1	98	
<b>FZ.68B-LA112ZMP4E</b>							
33	1 164	0.86	43.87		2KJ1303 - GJ13 - V1	67	
37	1 033	0.97	38.93	★	2KJ1303 - GJ13 - U1	67	
40	953	1.0	35.93		2KJ1303 - GJ13 - T1	67	
44	862	1.2	32.5	★	2KJ1303 - GJ13 - S1	67	
48	794	1.3	29.93		2KJ1303 - GJ13 - R1	67	
52	734	1.4	27.68	★	2KJ1303 - GJ13 - Q1	67	
56	681	1.5	25.69		2KJ1303 - GJ13 - P1	67	
64	601	1.7	22.67	★	2KJ1303 - GJ13 - N1	67	
69	555	1.8	20.93		2KJ1303 - GJ13 - M1	67	
77	497	2.0	18.75	★	2KJ1303 - GJ13 - L1	67	
83	459	2.2	17.29		2KJ1303 - GJ13 - K1	67	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
4	<b>FZ.68B-LA112ZMP4E</b>						
	99	385	2.6	14.51	2KJ1303 - GJ13 - J1		67
	116	328	3.0	12.38	★ 2KJ1303 - GJ13 - H1		67
	140	274	3.7	10.31	2KJ1303 - GJ13 - G1		67
	179	213	4.2	8.03	2KJ1303 - GJ13 - E1		67
	<b>FZ.48B-LA112ZMP4E</b>						
	56	679	0.8	25.59	★ 2KJ1302 - GJ13 - R1		52
	61	623	0.87	23.48	2KJ1302 - GJ13 - Q1		52
	67	574	0.94	21.63	★ 2KJ1302 - GJ13 - P1		52
	73	521	1.0	19.64	2KJ1302 - GJ13 - N1		52
	80	475	1.1	17.89	★ 2KJ1302 - GJ13 - M1		52
	88	435	1.2	16.39	2KJ1302 - GJ13 - L1		52
	98	388	1.4	14.63	★ 2KJ1302 - GJ13 - K1		52
	110	346	1.6	13.05	2KJ1302 - GJ13 - J1		52
	130	294	1.8	11.09	2KJ1302 - GJ13 - H1		52
	156	245	2.1	9.23	★ 2KJ1302 - GJ13 - G1		52
	172	223	2.3	8.39	★ 2KJ1302 - GJ13 - F1		52
	188	204	2.3	7.68	2KJ1302 - GJ13 - E1		52
	210	182	2.4	6.86	★ 2KJ1302 - GJ13 - D1		52
235	162	2.5	6.12	2KJ1302 - GJ13 - C1		52	
277	138	2.7	5.2	2KJ1302 - GJ13 - B1		52	
333	115	2.8	4.33	★ 2KJ1302 - GJ13 - A1		52	
4	<b>FZ.48B-LA112ZMP2E</b>						
	162	235	2.3	17.89	★ 2KJ1302 - GJ13 - M1	P00	52
	177	216	2.5	16.39	2KJ1302 - GJ13 - L1	P00	52
	199	192	2.8	14.63	★ 2KJ1302 - GJ13 - K1	P00	52
	223	172	3.1	13.05	2KJ1302 - GJ13 - J1	P00	52
	262	146	3.7	11.09	2KJ1302 - GJ13 - H1	P00	52
	315	121	4.3	9.23	★ 2KJ1302 - GJ13 - G1	P00	52
	346	110	4.6	8.39	★ 2KJ1302 - GJ13 - F1	P00	52
	378	101	4.6	7.68	2KJ1302 - GJ13 - E1	P00	52
	423	90	4.9	6.86	★ 2KJ1302 - GJ13 - D1	P00	52
	475	80	5.0	6.12	2KJ1302 - GJ13 - C1	P00	52
	559	68	5.5	5.2	2KJ1302 - GJ13 - B1	P00	52
	671	57	5.7	4.33	★ 2KJ1302 - GJ13 - A1	P00	52
5.5	<b>FD.208-LA160MB8</b>						
	2.9	17 904	1.9	242.01	2KJ1411 - JF13 - T1	P02	1123
5.5	<b>FD.188B-LA132ZMD6E</b>						
	2.4	22 097	0.91	403.86	★ 2KJ1410 - HK13 - U1	P01	684
	2.6	20 272	0.99	370.52	2KJ1410 - HK13 - T1	P01	684
	2.8	18 709	1.1	341.94	★ 2KJ1410 - HK13 - S1	P01	684
	3.0	17 354	1.2	317.18	2KJ1410 - HK13 - R1	P01	684
	3.2	16 370	1.2	299.2	★ 2KJ1410 - HK13 - Q1	P01	684
	3.4	15 312	1.3	279.86	2KJ1410 - HK13 - P1	P01	684

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
5.5	<b>FD.188B-LA132SP4E</b>						
	3.6	14 680	1.4	403.86	★ 2KJ1410 - HG13 - U1		684
	3.9	13 468	1.5	370.52	2KJ1410 - HG13 - T1		684
	4.2	12 429	1.6	341.94	★ 2KJ1410 - HG13 - S1		684
	4.6	11 529	1.7	317.18	2KJ1410 - HG13 - R1		684
	4.8	10 876	1.8	299.2	★ 2KJ1410 - HG13 - Q1		684
	5.2	10 173	2.0	279.86	2KJ1410 - HG13 - P1		684
<b>FD.168B-LA132ZMD6E</b>							
3.1	17 077	0.82	312.12	★ 2KJ1408 - HK13 - T1	P01	503	
3.3	15 826	0.88	289.26	2KJ1408 - HK13 - S1	P01	503	
3.5	15 048	0.93	275.03	★ 2KJ1408 - HK13 - R1	P01	503	
3.7	14 064	1.0	257.04	2KJ1408 - HK13 - Q1	P01	503	
<b>FD.168B-LA132SP4E</b>							
3.9	13 422	1.0	369.26	★ 2KJ1408 - HG13 - V1		503	
4.3	12 304	1.1	338.49	2KJ1408 - HG13 - U1		503	
4.6	11 345	1.2	312.12	★ 2KJ1408 - HG13 - T1		503	
5.0	10 514	1.3	289.26	2KJ1408 - HG13 - S1		503	
5.3	9 997	1.4	275.03	★ 2KJ1408 - HG13 - R1		503	
5.6	9 343	1.5	257.04	2KJ1408 - HG13 - Q1		503	
6.4	8 242	1.7	226.74	★ 2KJ1408 - HG13 - P1		503	
6.8	7 774	1.8	213.87	2KJ1408 - HG13 - N1		503	
7.5	6 966	2.0	191.63	★ 2KJ1408 - HG13 - M1		503	
<b>FD.148B-LA132SP4E</b>							
4.7	11 287	0.80	310.51	★ 2KJ1407 - HG13 - Q1		341	
5.0	10 450	0.86	287.49	2KJ1407 - HG13 - P1		341	
5.4	9 718	0.93	267.35	★ 2KJ1407 - HG13 - N1		341	
5.8	9 072	0.99	249.58	2KJ1407 - HG13 - M1		341	
6.5	8 117	1.1	223.31	★ 2KJ1407 - HG13 - L1		341	
7.0	7 522	1.2	206.93	2KJ1407 - HG13 - K1		341	
7.6	6 895	1.3	189.69	★ 2KJ1407 - HG13 - J1		341	
8.3	6 321	1.4	173.89	2KJ1407 - HG13 - H1		341	
9.8	5 386	1.7	148.18	2KJ1407 - HG13 - G1		341	
11.1	4 753	1.9	130.76	★ 2KJ1407 - HG13 - F1		341	
13.0	4 045	2.2	111.29	2KJ1407 - HG13 - E1		341	
<b>FZ.148B-LA132SP4E</b>							
21	2 480	2.3	68.23	2KJ1307 - HG13 - V1		333	
<b>FD.128B-LA132SP4E</b>							
7.1	7 360	0.83	202.48	2KJ1406 - HG13 - M1		245	
7.7	6 829	0.89	187.88	★ 2KJ1406 - HG13 - L1		245	
8.3	6 362	0.96	175.01	2KJ1406 - HG13 - K1		245	
9.1	5 751	1.1	158.22	★ 2KJ1406 - HG13 - J1		245	
9.9	5 295	1.2	145.66	2KJ1406 - HG13 - H1		245	
11.0	4 762	1.3	131.01	★ 2KJ1406 - HG13 - G1		245	
12.0	4 394	1.4	120.87	2KJ1406 - HG13 - F1		245	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
5.5	<b>FD.128B-LA132SP4E</b>						
	14.1	3 723	1.6	102.41	2KJ1406 - HG13 - E1		245
	16.2	3 244	1.9	89.25	★ 2KJ1406 - HG13 - D1		245
	19.0	2 760	2.2	75.93	2KJ1406 - HG13 - C1		245
	<b>FZ.128B-LA132SP4E</b>						
	26	2 051	2.1	56.42	★ 2KJ1306 - HG13 - A2		241
	28	1 901	2.4	52.29	2KJ1306 - HG13 - X1		241
	<b>FD.108B-LA132SP4E</b>						
	13.7	3 846	0.88	105.81	★ 2KJ1405 - HG13 - F1		164
	14.8	3 547	0.96	97.57	2KJ1405 - HG13 - E1		164
	17.7	2 976	1.1	81.86	2KJ1405 - HG13 - D1		164
	21	2 539	1.3	69.84	★ 2KJ1405 - HG13 - C1		164
	25	2 116	1.6	58.2	2KJ1405 - HG13 - B1		164
	30	1 753	1.9	48.24	★ 2KJ1405 - HG13 - A1		164
	<b>FZ.108B-LA132SP4E</b>						
	22	2 334	1.3	64.21	★ 2KJ1305 - HG13 - A2		163
	25	2 137	1.4	58.8	2KJ1305 - HG13 - X1		163
	27	1 969	1.7	54.17	★ 2KJ1305 - HG13 - W1		163
29	1 823	1.9	50.15	2KJ1305 - HG13 - V1		163	
31	1 695	2.0	46.64	★ 2KJ1305 - HG13 - U1		163	
33	1 583	2.1	43.54	2KJ1305 - HG13 - T1		163	
37	1 416	2.4	38.95	★ 2KJ1305 - HG13 - S1		163	
40	1 312	2.6	36.1	2KJ1305 - HG13 - R1		163	
<b>FD.88B-LA132SP4E</b>							
22	2 378	0.80	65.43	2KJ1404 - HG13 - B1		117	
26	1 980	0.96	54.47	★ 2KJ1404 - HG13 - A1		117	
<b>FZ.88B-LA132SP4E</b>							
28	1 912	0.99	52.6	★ 2KJ1304 - HG13 - V1		116	
30	1 746	1.1	48.03	2KJ1304 - HG13 - U1		116	
33	1 607	1.2	44.2	★ 2KJ1304 - HG13 - T1		116	
35	1 484	1.3	40.83	2KJ1304 - HG13 - S1		116	
38	1 377	1.4	37.89	★ 2KJ1304 - HG13 - R1		116	
41	1 283	1.5	35.29	2KJ1304 - HG13 - Q1		116	
45	1 160	1.6	31.91	★ 2KJ1304 - HG13 - P1		116	
49	1 068	1.8	29.38	2KJ1304 - HG13 - N1		116	
55	960	2.0	26.42	★ 2KJ1304 - HG13 - M1		116	
59	886	2.1	24.38	2KJ1304 - HG13 - L1		116	
70	751	2.5	20.65	2KJ1304 - HG13 - K1		116	
80	654	2.9	18	★ 2KJ1304 - HG13 - J1		116	
94	557	3.4	15.31	2KJ1304 - HG13 - H1		116	
<b>FZ.68B-LA132SP4E</b>							
44	1 181	0.85	32.5	★ 2KJ1303 - HG13 - S1		85	
48	1 088	0.92	29.93	2KJ1303 - HG13 - R1		85	
52	1 006	0.99	27.68	★ 2KJ1303 - HG13 - Q1		85	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg	
5.5	<b>FZ.68B-LA132SP4E</b>							
	56	934	1.1	25.69	2KJ1303 - ■HG13 - ■■P1		85	
	64	824	1.2	22.67	★ 2KJ1303 - ■HG13 - ■■N1		85	
	69	761	1.3	20.93	2KJ1303 - ■HG13 - ■■M1		85	
	77	682	1.5	18.75	★ 2KJ1303 - ■HG13 - ■■L1		85	
	84	628	1.6	17.29	2KJ1303 - ■HG13 - ■■K1		85	
	100	527	1.9	14.51	2KJ1303 - ■HG13 - ■■J1		85	
	117	450	2.2	12.38	★ 2KJ1303 - ■HG13 - ■■H1		85	
	140	375	2.7	10.31	2KJ1303 - ■HG13 - ■■G1		85	
	169	311	3.2	8.55	★ 2KJ1303 - ■HG13 - ■■F1		85	
	180	292	3.1	8.03	2KJ1303 - ■HG13 - ■■E1		85	
	214	245	3.4	6.74	2KJ1303 - ■HG13 - ■■D1		85	
	251	209	3.6	5.75	★ 2KJ1303 - ■HG13 - ■■C1		85	
	302	174	3.9	4.79	2KJ1303 - ■HG13 - ■■B1		85	
	364	144	4.1	3.97	★ 2KJ1303 - ■HG13 - ■■A1		85	
	7.5	<b>FZ.68B-LA132SB2E</b>						
		156	336	3.0	18.75	★ 2KJ1303 - ■HF13 - ■■L1	P00	77
		169	310	3.2	17.29	2KJ1303 - ■HF13 - ■■K1	P00	77
		202	260	3.8	14.51	2KJ1303 - ■HF13 - ■■J1	P00	77
		237	222	4.5	12.38	★ 2KJ1303 - ■HF13 - ■■H1	P00	77
7.5	<b>FD.208-LA160LB8</b>							
	3.0	24 243	1.4	242.01	2KJ1411 - ■JJ13 - ■■T1	P02	1 135	
	3.3	21 892	1.6	218.54	2KJ1411 - ■JJ13 - ■■S1	P02	1 135	
	3.5	20 517	1.7	204.81	2KJ1411 - ■JJ13 - ■■R1	P02	1 135	
	<b>FD.208-LA160MD6E</b>							
	4.0	17 963	1.9	242.01	2KJ1411 - ■JJ13 - ■■T1	P01	1 135	
	<b>FD.188B-LA160MD6E</b>							
	3.2	22 207	0.90	299.2	★ 2KJ1410 - ■JJ13 - ■■Q1	P01	720	
	3.4	20 772	0.96	279.86	2KJ1410 - ■JJ13 - ■■P1	P01	720	
	<b>FD.188B-LA132ZMP4E</b>							
	3.6	19 881	1.0	403.86	★ 2KJ1410 - ■HK13 - ■■U1		684	
	3.9	18 240	1.1	370.52	2KJ1410 - ■HK13 - ■■T1		684	
	4.3	16 833	1.2	341.94	★ 2KJ1410 - ■HK13 - ■■S1		684	
	4.6	15 614	1.3	317.18	2KJ1410 - ■HK13 - ■■R1		684	
	4.9	14 729	1.4	299.2	★ 2KJ1410 - ■HK13 - ■■Q1		684	
5.2	13 777	1.5	279.86	2KJ1410 - ■HK13 - ■■P1		684		
5.8	12 250	1.6	248.85	★ 2KJ1410 - ■HK13 - ■■N1		684		
6.2	11 565	1.7	234.93	2KJ1410 - ■HK13 - ■■M1		684		
6.9	10 381	1.9	210.89	★ 2KJ1410 - ■HK13 - ■■L1		684		
7.5	9 528	2.1	193.56	2KJ1410 - ■HK13 - ■■K1		684		
<b>FD.168B-LA132ZMP4E</b>								
4.3	16 663	0.84	338.49	2KJ1408 - ■HK13 - ■■U1		503		
4.7	15 365	0.91	312.12	★ 2KJ1408 - ■HK13 - ■■T1		503		
5.0	14 239	0.98	289.26	2KJ1408 - ■HK13 - ■■S1		503		

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
7.5	<b>FD.168B-LA132ZMP4E</b>						
	5.3	13 539	1.0	275.03	★	2KJ1408 - ■HK13 - ■R1	503
	5.7	12 653	1.1	257.04		2KJ1408 - ■HK13 - ■Q1	503
	6.4	11 162	1.3	226.74	★	2KJ1408 - ■HK13 - ■P1	503
	6.8	10 528	1.3	213.87		2KJ1408 - ■HK13 - ■N1	503
	7.6	9 433	1.5	191.63	★	2KJ1408 - ■HK13 - ■M1	503
	8.2	8 710	1.6	176.94		2KJ1408 - ■HK13 - ■L1	503
	9.6	7 442	1.9	151.18		2KJ1408 - ■HK13 - ■K1	503
	10.6	6 726	2.1	136.63	★	2KJ1408 - ■HK13 - ■J1	503
	11.1	6 480	2.2	131.64		2KJ1408 - ■HK13 - ■H1	503
	<b>FD.148B-LA132ZMP4E</b>						
	6.5	10 993	0.82	223.31	★	2KJ1407 - ■HK13 - ■L1	341
	7.0	10 187	0.88	206.93		2KJ1407 - ■HK13 - ■K1	341
	7.7	9 338	0.96	189.69	★	2KJ1407 - ■HK13 - ■J1	341
	8.4	8 560	1.1	173.89		2KJ1407 - ■HK13 - ■H1	341
	9.8	7 294	1.2	148.18		2KJ1407 - ■HK13 - ■G1	341
	11.1	6 437	1.4	130.76	★	2KJ1407 - ■HK13 - ■F1	341
	13.1	5 478	1.6	111.29		2KJ1407 - ■HK13 - ■E1	341
	15.1	4 747	1.9	96.43	★	2KJ1407 - ■HK13 - ■D1	341
	17.9	3 995	2.3	81.15	★	2KJ1407 - ■HK13 - ■C1	341
	<b>FZ.148B-LA132ZMP4E</b>						
	21	3 359	1.7	68.23		2KJ1307 - ■HK13 - ■V1	333
	23	3 169	2.1	64.37	★	2KJ1307 - ■HK13 - ■U1	333
	24	2 964	2.4	60.21		2KJ1307 - ■HK13 - ■T1	333
	<b>FD.128B-LA132ZMP4E</b>						
	10.0	7 170	0.85	145.66		2KJ1406 - ■HK13 - ■H1	245
	11.1	6 449	0.95	131.01	★	2KJ1406 - ■HK13 - ■G1	245
	12.0	5 950	1.0	120.87		2KJ1406 - ■HK13 - ■F1	245
	14.2	5 041	1.2	102.41		2KJ1406 - ■HK13 - ■E1	245
	16.3	4 393	1.4	89.25	★	2KJ1406 - ■HK13 - ■D1	245
	19.2	3 738	1.6	75.93		2KJ1406 - ■HK13 - ■C1	245
	22	3 190	1.9	64.8	★	2KJ1406 - ■HK13 - ■B1	245
	27	2 615	2.3	53.13	★	2KJ1406 - ■HK13 - ■A1	245
		<b>FZ.128B-LA132ZMP4E</b>					
26		2 777	1.5	56.42	★	2KJ1306 - ■HK13 - ■A2	241
28		2 574	1.8	52.29		2KJ1306 - ■HK13 - ■X1	241
29		2 447	2.0	49.71	★	2KJ1306 - ■HK13 - ■W1	241
31		2 287	2.3	46.46		2KJ1306 - ■HK13 - ■V1	241
	<b>FD.108B-LA132ZMP4E</b>						
	17.8	4 030	0.84	81.86		2KJ1405 - ■HK13 - ■D1	164
	21	3 438	0.99	69.84	★	2KJ1405 - ■HK13 - ■C1	164
	25	2 865	1.2	58.2		2KJ1405 - ■HK13 - ■B1	164
30	2 375	1.4	48.24	★	2KJ1405 - ■HK13 - ■A1	164	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
7.5	<b>FZ.108B-LA132ZMP4E</b>						
	23	3 161	0.95	64.21	★	2KJ1305 - HK13 - A2	163
	25	2 895	1.0	58.8		2KJ1305 - HK13 - X1	163
	27	2 667	1.3	54.17	★	2KJ1305 - HK13 - W1	163
	29	2 469	1.4	50.15		2KJ1305 - HK13 - V1	163
	31	2 296	1.5	46.64	★	2KJ1305 - HK13 - U1	163
	33	2 143	1.6	43.54		2KJ1305 - HK13 - T1	163
	37	1 917	1.8	38.95	★	2KJ1305 - HK13 - S1	163
	40	1 777	1.9	36.1		2KJ1305 - HK13 - R1	163
	44	1 629	2.1	33.09	★	2KJ1305 - HK13 - Q1	163
	48	1 493	2.3	30.33		2KJ1305 - HK13 - P1	163
	56	1 273	2.7	25.85		2KJ1305 - HK13 - N1	163
	64	1 123	3.0	22.81	★	2KJ1305 - HK13 - M1	163
		<b>FZ.88B-LA132ZMP4E</b>					
30		2 364	0.80	48.03		2KJ1304 - HK13 - U1	116
33		2 176	0.87	44.2	★	2KJ1304 - HK13 - T1	116
36		2 010	0.95	40.83		2KJ1304 - HK13 - S1	116
38		1 865	1.0	37.89	★	2KJ1304 - HK13 - R1	116
41		1 737	1.1	35.29		2KJ1304 - HK13 - Q1	116
46		1 571	1.2	31.91	★	2KJ1304 - HK13 - P1	116
50		1 446	1.3	29.38		2KJ1304 - HK13 - N1	116
55		1 301	1.5	26.42	★	2KJ1304 - HK13 - M1	116
60		1 200	1.6	24.38		2KJ1304 - HK13 - L1	116
70		1 017	1.9	20.65		2KJ1304 - HK13 - K1	116
81		886	2.1	18	★	2KJ1304 - HK13 - J1	116
95		754	2.5	15.31		2KJ1304 - HK13 - H1	116
111		643	3.0	13.07	★	2KJ1304 - HK13 - G1	116
136		527	3.6	10.71	★	2KJ1304 - HK13 - F1	116
158		452	3.7	9.19		2KJ1304 - HK13 - E1	116
182		394	3.9	8.01	★	2KJ1304 - HK13 - D1	116
213	336	4.3	6.82		2KJ1304 - HK13 - C1	116	
250	286	4.7	5.82	★	2KJ1304 - HK13 - B1	116	
	<b>FZ.68B-LA132ZMP4E</b>						
	64	1 116	0.90	22.67	★	2KJ1303 - HK13 - N1	85
	70	1 030	0.97	20.93		2KJ1303 - HK13 - M1	85
	78	923	1.1	18.75	★	2KJ1303 - HK13 - L1	85
	84	851	1.2	17.29		2KJ1303 - HK13 - K1	85
	100	714	1.4	14.51		2KJ1303 - HK13 - J1	85
	118	609	1.6	12.38	★	2KJ1303 - HK13 - H1	85
	141	508	2.0	10.31		2KJ1303 - HK13 - G1	85
	170	421	2.4	8.55	★	2KJ1303 - HK13 - F1	85
	181	395	2.3	8.03		2KJ1303 - HK13 - E1	85
	216	332	2.5	6.74		2KJ1303 - HK13 - D1	85
	253	283	2.7	5.75	★	2KJ1303 - HK13 - C1	85

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
7.5	<b>FZ.68B-LA132ZMP4E</b>						
	304	236	2.9	4.79	2KJ1303 - ■HK13 - ■■B1		85
	366	195	3.0	3.97 ★	2KJ1303 - ■HK13 - ■■A1		85
7.5	<b>FZ.68B-LA132ZSD2E</b>						
	156	458	2.2	18.75 ★	2KJ1303 - ■HJ13 - ■■L1	P00	85
	169	423	2.4	17.29	2KJ1303 - ■HJ13 - ■■K1	P00	85
	202	355	2.8	14.51	2KJ1303 - ■HJ13 - ■■J1	P00	85
	237	303	3.3	12.38 ★	2KJ1303 - ■HJ13 - ■■H1	P00	85
	284	252	4.0	10.31	2KJ1303 - ■HJ13 - ■■G1	P00	85
	343	209	4.8	8.55 ★	2KJ1303 - ■HJ13 - ■■F1	P00	85
	365	196	4.6	8.03	2KJ1303 - ■HJ13 - ■■E1	P00	85
	435	165	5.1	6.74	2KJ1303 - ■HJ13 - ■■D1	P00	85
	510	141	5.4	5.75 ★	2KJ1303 - ■HJ13 - ■■C1	P00	85
	612	117	5.8	4.79	2KJ1303 - ■HJ13 - ■■B1	P00	85
	738	97	6.1	3.97 ★	2KJ1303 - ■HJ13 - ■■A1	P00	85
9.2	<b>FD.188B-LA160MB4E</b>						
	4.9	18 067	1.1	299.2 ★	2KJ1410 - ■JP13 - ■■Q1		708
	5.2	16 899	1.2	279.86	2KJ1410 - ■JP13 - ■■P1		708
	5.8	15 027	1.3	248.85 ★	2KJ1410 - ■JP13 - ■■N1		708
	6.2	14 186	1.4	234.93	2KJ1410 - ■JP13 - ■■M1		708
	6.9	12 735	1.6	210.89 ★	2KJ1410 - ■JP13 - ■■L1		708
	7.5	11 688	1.7	193.56	2KJ1410 - ■JP13 - ■■K1		708
	8.7	10 086	2.0	167.03	2KJ1410 - ■JP13 - ■■J1		708
9.2	<b>FD.168B-LA160MB4E</b>						
	5.3	16 608	0.84	275.03 ★	2KJ1408 - ■JP13 - ■■R1		527
	5.7	15 521	0.9	257.04	2KJ1408 - ■JP13 - ■■Q1		527
	6.4	13 692	1.0	226.74 ★	2KJ1408 - ■JP13 - ■■P1		527
	6.8	12 915	1.1	213.87	2KJ1408 - ■JP13 - ■■N1		527
	7.6	11 572	1.2	191.63 ★	2KJ1408 - ■JP13 - ■■M1		527
	8.2	10 685	1.3	176.94	2KJ1408 - ■JP13 - ■■L1		527
	9.6	9 129	1.5	151.18	2KJ1408 - ■JP13 - ■■K1		527
	10.6	8 250	1.7	136.63 ★	2KJ1408 - ■JP13 - ■■J1		527
	11.1	7 949	1.8	131.64	2KJ1408 - ■JP13 - ■■H1		527
12.8	6 875	2.0	113.86	2KJ1408 - ■JP13 - ■■G1		527	
9.2	<b>FD.148B-LA160MB4E</b>						
	8.4	10 500	0.86	173.89	2KJ1407 - ■JP13 - ■■H1		365
	9.8	8 948	1.0	148.18	2KJ1407 - ■JP13 - ■■G1		365
	11.1	7 896	1.1	130.76 ★	2KJ1407 - ■JP13 - ■■F1		365
	13.1	6 720	1.3	111.29	2KJ1407 - ■JP13 - ■■E1		365
	15.1	5 823	1.5	96.43 ★	2KJ1407 - ■JP13 - ■■D1		365
	17.9	4 900	1.8	81.15 ★	2KJ1407 - ■JP13 - ■■C1		365
	19.9	4 421	2.0	73.22	2KJ1407 - ■JP13 - ■■B1		365
23	3 800	2.4	62.93 ★	2KJ1407 - ■JP13 - ■■A1		365	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
9.2	<b>FZ.148B-LA160MB4E</b>						
	23	3 887	1.7	64.37	★ 2KJ1307 - JP13 - U1		357
	24	3 636	1.9	60.21	2KJ1307 - JP13 - T1		357
	27	3 232	2.5	53.53	★ 2KJ1307 - JP13 - S1		357
	<b>FD.128B-LA160MB4E</b>						
	12.0	7 299	0.84	120.87	2KJ1406 - JP13 - F1		269
	14.2	6 184	0.99	102.41	2KJ1406 - JP13 - E1		269
	16.3	5 389	1.1	89.25	★ 2KJ1406 - JP13 - D1		269
	19.2	4 585	1.3	75.93	2KJ1406 - JP13 - C1		269
	22	3 913	1.6	64.8	★ 2KJ1406 - JP13 - B1		269
	27	3 208	1.9	53.13	★ 2KJ1406 - JP13 - A1		269
	<b>FZ.128B-LA160MB4E</b>						
	29	3 002	1.6	49.71	★ 2KJ1306 - JP13 - W1		265
	31	2 805	1.8	46.46	2KJ1306 - JP13 - V1		265
	36	2 475	2.3	40.99	★ 2KJ1306 - JP13 - U1		265
	38	2 334	2.6	38.66	2KJ1306 - JP13 - T1		265
	<b>FD.108B-LA160MB4E</b>						
	21	4 217	0.81	69.84	★ 2KJ1405 - JP13 - C1		188
	25	3 514	0.97	58.2	2KJ1405 - JP13 - B1		188
	30	2 913	1.2	48.24	★ 2KJ1405 - JP13 - A1		188
	<b>FZ.108B-LA160MB4E</b>						
	31	2 816	1.2	46.64	★ 2KJ1305 - JP13 - U1		187
	33	2 629	1.3	43.54	2KJ1305 - JP13 - T1		187
	37	2 352	1.4	38.95	★ 2KJ1305 - JP13 - S1		187
40	2 180	1.6	36.1	2KJ1305 - JP13 - R1		187	
44	1 998	1.7	33.09	★ 2KJ1305 - JP13 - Q1		187	
48	1 831	1.9	30.33	2KJ1305 - JP13 - P1		187	
56	1 561	2.2	25.85	2KJ1305 - JP13 - N1		187	
64	1 377	2.5	22.81	★ 2KJ1305 - JP13 - M1		187	
75	1 172	2.9	19.41	2KJ1305 - JP13 - L1		187	
86	1 016	3.3	16.82	★ 2KJ1305 - JP13 - K1		187	
<b>FZ.88B-LA160MB4E</b>							
38	2 288	0.83	37.89	★ 2KJ1304 - JP13 - R1		140	
41	2 131	0.89	35.29	2KJ1304 - JP13 - Q1		140	
46	1 927	0.99	31.91	★ 2KJ1304 - JP13 - P1		140	
50	1 774	1.1	29.38	2KJ1304 - JP13 - N1		140	
55	1 595	1.2	26.42	★ 2KJ1304 - JP13 - M1		140	
60	1 472	1.3	24.38	2KJ1304 - JP13 - L1		140	
70	1 247	1.5	20.65	2KJ1304 - JP13 - K1		140	
81	1 087	1.7	18	★ 2KJ1304 - JP13 - J1		140	
95	924	2.1	15.31	2KJ1304 - JP13 - H1		140	
111	789	2.4	13.07	★ 2KJ1304 - JP13 - G1		140	
136	647	2.9	10.71	★ 2KJ1304 - JP13 - F1		140	
158	555	3.0	9.19	2KJ1304 - JP13 - E1		140	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
9.2	<b>FZ.88B-LA160MB4E</b>						
	182	484	3.2	8.01	★ 2KJ1304 - ■JP13 - ■■D1		140
	213	412	3.5	6.82	2KJ1304 - ■JP13 - ■■C1		140
	250	351	3.8	5.82	★ 2KJ1304 - ■JP13 - ■■B1		140
	305	288	4.2	4.77	★ 2KJ1304 - ■JP13 - ■■A1		140
11	<b>FD.208-LG180LA8</b>						
	3.0	35 066	0.97	242.01	2KJ1411 - ■KM13 - ■■T1	P02	1 205
	3.3	31 666	1.1	218.54	2KJ1411 - ■KM13 - ■■S1	P02	1 205
	3.5	29 676	1.1	204.81	2KJ1411 - ■KM13 - ■■R1	P02	1 205
	<b>FD.208-LA160ZLP6E</b>						
	4.0	26 482	1.3	242.01	2KJ1411 - ■JT13 - ■■T1	P01	1 135
	4.4	23 914	1.4	218.54	2KJ1411 - ■JT13 - ■■S1	P01	1 135
	4.7	22 412	1.5	204.81	2KJ1411 - ■JT13 - ■■R1	P01	1 135
	5.5	19 250	1.8	175.92	★ 2KJ1411 - ■JT13 - ■■Q1	P01	1 135
	<b>FD.208-LA160MP4E</b>						
	6.0	17 413	2.0	242.01	2KJ1411 - ■JQ13 - ■■T1		1 123
<b>FD.188B-LA160MP4E</b>							
4.9	21 528	0.93	299.2	★ 2KJ1410 - ■JQ13 - ■■Q1		708	
5.2	20 137	0.99	279.86	2KJ1410 - ■JQ13 - ■■P1		708	
5.9	17 905	1.1	248.85	★ 2KJ1410 - ■JQ13 - ■■N1		708	
6.2	16 904	1.2	234.93	2KJ1410 - ■JQ13 - ■■M1		708	
6.9	15 174	1.3	210.89	★ 2KJ1410 - ■JQ13 - ■■L1		708	
7.5	13 927	1.4	193.56	2KJ1410 - ■JQ13 - ■■K1		708	
8.7	12 018	1.7	167.03	2KJ1410 - ■JQ13 - ■■J1		708	
10.0	10 513	1.9	146.11	2KJ1410 - ■JQ13 - ■■H1		708	
11.5	9 143	2.2	127.07	2KJ1410 - ■JQ13 - ■■G1		708	
<b>FD.168B-LA160MP4E</b>							
6.4	16 314	0.86	226.74	★ 2KJ1408 - ■JQ13 - ■■P1		527	
6.8	15 388	0.91	213.87	2KJ1408 - ■JQ13 - ■■N1		527	
7.6	13 788	1.0	191.63	★ 2KJ1408 - ■JQ13 - ■■M1		527	
8.3	12 731	1.1	176.94	2KJ1408 - ■JQ13 - ■■L1		527	
9.7	10 878	1.3	151.18	2KJ1408 - ■JQ13 - ■■K1		527	
10.7	9 831	1.4	136.63	★ 2KJ1408 - ■JQ13 - ■■J1		527	
11.1	9 472	1.5	131.64	2KJ1408 - ■JQ13 - ■■H1		527	
12.8	8 192	1.7	113.86	2KJ1408 - ■JQ13 - ■■G1		527	
14.7	7 146	2.0	99.31	★ 2KJ1408 - ■JQ13 - ■■F1		527	
17.2	6 115	2.3	84.99	★ 2KJ1408 - ■JQ13 - ■■E1		527	
<b>FZ.168B-LA160MP4E</b>							
27	3 848	2.3	53.48	2KJ1308 - ■JQ13 - ■■R1		510	
<b>FD.148B-LA160MP4E</b>							
9.9	10 662	0.84	148.18	2KJ1407 - ■JQ13 - ■■G1		365	
11.2	9 408	0.96	130.76	★ 2KJ1407 - ■JQ13 - ■■F1		365	
13.1	8 008	1.1	111.29	2KJ1407 - ■JQ13 - ■■E1		365	
15.1	6 938	1.3	96.43	★ 2KJ1407 - ■JQ13 - ■■D1		365	

★ Preferred transmission ratio

Shaft designs, see page 3/89 ————— 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 ————— 1 to 9

Gearbox housing mounting position, see page 3/92 ————— A, D, E, F, H or M

\*) For mounting type B5-01

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
11	<b>FD.148B-LA160MP4E</b>						
	18.0	5 839	1.5	81.15	★	2KJ1407 - ■ JQ13 - ■■ C1	365
	19.9	5 268	1.7	73.22		2KJ1407 - ■ JQ13 - ■■ B1	365
	23	4 528	2.0	62.93	★	2KJ1407 - ■ JQ13 - ■■ A1	365
	<b>FZ.148B-LA160MP4E</b>						
	23	4 632	1.4	64.37	★	2KJ1307 - ■ JQ13 - ■■ U1	357
	24	4 332	1.6	60.21		2KJ1307 - ■ JQ13 - ■■ T1	357
	27	3 852	2.1	53.53	★	2KJ1307 - ■ JQ13 - ■■ S1	357
	29	3 636	2.2	50.54		2KJ1307 - ■ JQ13 - ■■ R1	357
	<b>FD.128B-LA160MP4E</b>						
	14.3	7 369	0.83	102.41		2KJ1406 - ■ JQ13 - ■■ E1	269
16.4	6 422	0.95	89.25	★	2KJ1406 - ■ JQ13 - ■■ D1	269	
19.2	5 463	1.1	75.93		2KJ1406 - ■ JQ13 - ■■ C1	269	
22	4 662	1.3	64.8	★	2KJ1406 - ■ JQ13 - ■■ B1	269	
28	3 823	1.6	53.13	★	2KJ1406 - ■ JQ13 - ■■ A1	269	
<b>FZ.128B-LA160MP4E</b>							
29	3 577	1.4	49.71	★	2KJ1306 - ■ JQ13 - ■■ W1	265	
31	3 343	1.5	46.46		2KJ1306 - ■ JQ13 - ■■ V1	265	
36	2 949	1.9	40.99	★	2KJ1306 - ■ JQ13 - ■■ U1	265	
38	2 782	2.2	38.66		2KJ1306 - ■ JQ13 - ■■ T1	265	
42	2 492	2.4	34.64	★	2KJ1306 - ■ JQ13 - ■■ S1	265	
46	2 301	2.7	31.98		2KJ1306 - ■ JQ13 - ■■ R1	265	
<b>FD.108B-LA160MP4E</b>							
25	4 188	0.81	58.2		2KJ1405 - ■ JQ13 - ■■ B1	188	
30	3 471	0.98	48.24	★	2KJ1405 - ■ JQ13 - ■■ A1	188	
<b>FZ.108B-LA160MP4E</b>							
31	3 356	1.0	46.64	★	2KJ1305 - ■ JQ13 - ■■ U1	187	
34	3 133	1.1	43.54		2KJ1305 - ■ JQ13 - ■■ T1	187	
38	2 803	1.2	38.95	★	2KJ1305 - ■ JQ13 - ■■ S1	187	
40	2 597	1.3	36.1		2KJ1305 - ■ JQ13 - ■■ R1	187	
44	2 381	1.4	33.09	★	2KJ1305 - ■ JQ13 - ■■ Q1	187	
48	2 182	1.6	30.33		2KJ1305 - ■ JQ13 - ■■ P1	187	
56	1 860	1.8	25.85		2KJ1305 - ■ JQ13 - ■■ N1	187	
64	1 641	2.1	22.81	★	2KJ1305 - ■ JQ13 - ■■ M1	187	
75	1 397	2.4	19.41		2KJ1305 - ■ JQ13 - ■■ L1	187	
87	1 210	2.8	16.82	★	2KJ1305 - ■ JQ13 - ■■ K1	187	
103	1 019	3.2	14.16	★	2KJ1305 - ■ JQ13 - ■■ J1	187	
114	919	3.5	12.77		2KJ1305 - ■ JQ13 - ■■ H1	187	
<b>FZ.88B-LA160MP4E</b>							
46	2 296	0.83	31.91	★	2KJ1304 - ■ JQ13 - ■■ P1	140	
50	2 114	0.90	29.38		2KJ1304 - ■ JQ13 - ■■ N1	140	
55	1 901	1.0	26.42	★	2KJ1304 - ■ JQ13 - ■■ M1	140	
60	1 754	1.1	24.38		2KJ1304 - ■ JQ13 - ■■ L1	140	
71	1 486	1.3	20.65		2KJ1304 - ■ JQ13 - ■■ K1	140	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
11	<b>FZ.88B-LA160MP4E</b>						
	81	1 295	1.5	18 ★	2KJ1304 - JQ13 - J1		140
	95	1 102	1.7	15.31	2KJ1304 - JQ13 - H1		140
	112	940	2.0	13.07 ★	2KJ1304 - JQ13 - G1		140
	136	771	2.5	10.71 ★	2KJ1304 - JQ13 - F1		140
	159	661	2.5	9.19	2KJ1304 - JQ13 - E1		140
	182	576	2.7	8.01 ★	2KJ1304 - JQ13 - D1		140
	214	491	3.0	6.82	2KJ1304 - JQ13 - C1		140
	251	419	3.2	5.82 ★	2KJ1304 - JQ13 - B1		140
	306	343	3.5	4.77 ★	2KJ1304 - JQ13 - A1		140
15	<b>FD.208-LG200L8</b>						
	3.5	40 468	0.84	204.81	2KJ1411 - LL13 - R1	P02	1 255
	<b>FD.208-LG180ZLB6E</b>						
	4.0	35 557	0.96	242.01	2KJ1411 - KP13 - T1	P01	1 205
	4.5	32 109	1.1	218.54	2KJ1411 - KP13 - S1	P01	1 205
	4.8	30 091	1.1	204.81	2KJ1411 - KP13 - R1	P01	1 205
	5.5	25 847	1.3	175.92 ★	2KJ1411 - KP13 - Q1	P01	1 205
	<b>FD.208-LA160ZLP4E</b>						
	6.0	23 745	1.4	242.01	2KJ1411 - JT13 - T1		1 135
	6.7	21 442	1.6	218.54	2KJ1411 - JT13 - S1		1 135
	7.1	20 095	1.7	204.81	2KJ1411 - JT13 - R1		1 135
	8.3	17 261	2.0	175.92 ★	2KJ1411 - JT13 - Q1		1 135
	<b>FD.188B-LA160ZLP4E</b>						
	5.9	24 416	0.82	248.85 ★	2KJ1410 - JT13 - N1		720
	6.2	23 050	0.87	234.93	2KJ1410 - JT13 - M1		720
	6.9	20 692	0.97	210.89 ★	2KJ1410 - JT13 - L1		720
	7.5	18 991	1.1	193.56	2KJ1410 - JT13 - K1		720
	8.7	16 388	1.2	167.03	2KJ1410 - JT13 - J1		720
	10.0	14 336	1.4	146.11	2KJ1410 - JT13 - H1		720
	11.5	12 468	1.6	127.07	2KJ1410 - JT13 - G1		720
13.1	10 939	1.8	111.49 ★	2KJ1410 - JT13 - F1		720	
15.5	9 250	2.2	94.28 ★	2KJ1410 - JT13 - E1		720	
<b>FD.168B-LA160ZLP4E</b>							
8.3	17 361	0.81	176.94	2KJ1408 - JT13 - L1		539	
9.7	14 833	0.94	151.18	2KJ1408 - JT13 - K1		539	
10.7	13 406	1.0	136.63 ★	2KJ1408 - JT13 - J1		539	
11.1	12 916	1.1	131.64	2KJ1408 - JT13 - H1		539	
12.8	11 172	1.3	113.86	2KJ1408 - JT13 - G1		539	
14.7	9 744	1.4	99.31 ★	2KJ1408 - JT13 - F1		539	
17.2	8 339	1.7	84.99 ★	2KJ1408 - JT13 - E1		539	
19.2	7 469	1.9	76.12	2KJ1408 - JT13 - D1		539	
23	6 326	2.2	64.47 ★	2KJ1408 - JT13 - C1		539	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight *) kg
15	<b>FZ.168B-LA160ZLP4E</b>						
	27	5 247	1.7	53.48	2KJ1308 - JT13 - R1		522
	30	4 738	2.2	48.29	2KJ1308 - JT13 - Q1		522
	<b>FD.148B-LA160ZLP4E</b>						
	13.1	10 919	0.82	111.29	2KJ1407 - JT13 - E1		377
	15.1	9 461	0.95	96.43	★ 2KJ1407 - JT13 - D1		377
	18.0	7 962	1.1	81.15	★ 2KJ1407 - JT13 - C1		377
	19.9	7 184	1.3	73.22	2KJ1407 - JT13 - B1		377
	23	6 174	1.5	62.93	★ 2KJ1407 - JT13 - A1		377
	<b>FZ.148B-LA160ZLP4E</b>						
	23	6 316	1.0	64.37	★ 2KJ1307 - JT13 - U1		369
	24	5 908	1.2	60.21	2KJ1307 - JT13 - T1		369
	27	5 252	1.5	53.53	★ 2KJ1307 - JT13 - S1		369
	29	4 959	1.6	50.54	2KJ1307 - JT13 - R1		369
	32	4 452	2.0	45.37	★ 2KJ1307 - JT13 - Q1		369
	35	4 086	2.2	41.64	2KJ1307 - JT13 - P1		369
	41	3 525	2.6	35.93	2KJ1307 - JT13 - N1		369
	<b>FD.128B-LA160ZLP4E</b>						
	19.2	7 450	0.82	75.93	2KJ1406 - JT13 - C1		281
	22	6 358	0.96	64.8	★ 2KJ1406 - JT13 - B1		281
	28	5 213	1.2	53.13	★ 2KJ1406 - JT13 - A1		281
	<b>FZ.128B-LA160ZLP4E</b>						
	29	4 877	1.0	49.71	★ 2KJ1306 - JT13 - W1		277
	31	4 558	1.1	46.46	2KJ1306 - JT13 - V1		277
	36	4 022	1.4	40.99	★ 2KJ1306 - JT13 - U1		277
	38	3 793	1.6	38.66	2KJ1306 - JT13 - T1		277
	42	3 399	1.8	34.64	★ 2KJ1306 - JT13 - S1		277
	46	3 138	1.9	31.98	2KJ1306 - JT13 - R1		277
	53	2 682	2.3	27.33	2KJ1306 - JT13 - Q1		277
	59	2 423	2.5	24.7	★ 2KJ1306 - JT13 - P1		277
	61	2 335	2.6	23.8	2KJ1306 - JT13 - N1		277
	71	2 019	3.0	20.58	2KJ1306 - JT13 - L1		277
	<b>FZ.108B-LA160ZLP4E</b>						
	34	4 272	0.80	43.54	2KJ1305 - JT13 - T1		199
	38	3 822	0.89	38.95	★ 2KJ1305 - JT13 - S1		199
	40	3 542	0.96	36.1	2KJ1305 - JT13 - R1		199
	44	3 247	1.0	33.09	★ 2KJ1305 - JT13 - Q1		199
	48	2 976	1.1	30.33	2KJ1305 - JT13 - P1		199
	56	2 536	1.3	25.85	2KJ1305 - JT13 - N1		199
	64	2 238	1.5	22.81	★ 2KJ1305 - JT13 - M1		199
	75	1 904	1.8	19.41	2KJ1305 - JT13 - L1		199
	87	1 650	2.1	16.82	★ 2KJ1305 - JT13 - K1		199
	103	1 389	2.4	14.16	★ 2KJ1305 - JT13 - J1		199
	114	1 253	2.6	12.77	2KJ1305 - JT13 - H1		199

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
15	<b>FZ.108B-LA160ZLP4E</b>						
	133	1 077	2.9	10.98	★	2KJ1305 - JT13 - G1	199
	145	985	3.4	10.04		2KJ1305 - JT13 - F1	199
	168	854	3.6	8.7	★	2KJ1305 - JT13 - E1	199
	199	718	4.0	7.32	★	2KJ1305 - JT13 - D1	199
	221	648	4.1	6.6		2KJ1305 - JT13 - C1	199
	257	557	4.3	5.68	★	2KJ1305 - JT13 - B1	199
	<b>FZ.88B-LA160ZLP4E</b>						
	71	2 026	0.94	20.65		2KJ1304 - JT13 - K1	152
	81	1 766	1.1	18	★	2KJ1304 - JT13 - J1	152
	95	1 502	1.3	15.31		2KJ1304 - JT13 - H1	152
	112	1 282	1.5	13.07	★	2KJ1304 - JT13 - G1	152
	136	1 051	1.8	10.71	★	2KJ1304 - JT13 - F1	152
	159	902	1.8	9.19		2KJ1304 - JT13 - E1	152
	182	786	2.0	8.01	★	2KJ1304 - JT13 - D1	152
	214	669	2.2	6.82		2KJ1304 - JT13 - C1	152
	251	571	2.4	5.82	★	2KJ1304 - JT13 - B1	152
	306	468	2.6	4.77	★	2KJ1304 - JT13 - A1	152
	18.5	<b>FD.208-LG200L6E</b>					
4.5		39 601	0.86	218.54		2KJ1411 - LLL13 - S1 P01	1 255
4.8		37 113	0.92	204.81		2KJ1411 - LLL13 - R1 P01	1 255
5.5		31 878	1.1	175.92	★	2KJ1411 - LLL13 - Q1 P01	1 255
<b>FD.208-LG180ZMB4E</b>							
6.1		29 086	1.2	242.01		2KJ1411 - KL13 - T1	1 190
6.7		26 266	1.3	218.54		2KJ1411 - KL13 - S1	1 190
7.2		24 616	1.4	204.81		2KJ1411 - KL13 - R1	1 190
8.4		21 143	1.6	175.92	★	2KJ1411 - KL13 - Q1	1 190
9.7		18 267	1.9	151.99		2KJ1411 - KL13 - P1	1 190
11.0		16 124	2.1	134.16		2KJ1411 - KL13 - N1	1 190
<b>FD.188B-LG180ZMB4E</b>							
7.6		23 263	0.86	193.56		2KJ1410 - KL13 - K1	775
8.8		20 075	1.0	167.03		2KJ1410 - KL13 - J1	775
10.1		17 561	1.1	146.11		2KJ1410 - KL13 - H1	775
11.6		15 272	1.3	127.07		2KJ1410 - KL13 - G1	775
13.2		13 400	1.5	111.49	★	2KJ1410 - KL13 - F1	775
15.6		11 331	1.8	94.28	★	2KJ1410 - KL13 - E1	775
17.2		10 281	1.9	85.54		2KJ1410 - KL13 - D1	775
19.7		8 964	2.2	74.58	★	2KJ1410 - KL13 - C1	775
<b>FD.168B-LG180ZMB4E</b>							
10.8		16 421	0.85	136.63	★	2KJ1408 - KL13 - J1	594
11.2		15 821	0.88	131.64		2KJ1408 - KL13 - H1	594
12.9		13 685	1.0	113.86		2KJ1408 - KL13 - G1	594
14.8	11 936	1.2	99.31	★	2KJ1408 - KL13 - F1	594	
17.3	10 215	1.4	84.99	★	2KJ1408 - KL13 - E1	594	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
18.5	<b>FD.168B-LG180ZMB4E</b>						
	19.3	9 149	1.5	76.12	2KJ1408 - ■ KL13 - ■■■ D1		594
	23	7 748	1.8	64.47	★ 2KJ1408 - ■ KL13 - ■■■ C1		594
	26	6 692	2.1	55.68	2KJ1408 - ■ KL13 - ■■■ B1		594
	<b>FZ.168B-LG180ZMB4E</b>						
	28	6 428	1.4	53.48	2KJ1308 - ■ KL13 - ■■■ R1		577
	30	5 804	1.8	48.29	2KJ1308 - ■ KL13 - ■■■ Q1		577
	32	5 438	2.1	45.25	2KJ1308 - ■ KL13 - ■■■ P1		577
	<b>FD.148B-LG180ZMB4E</b>						
	18.1	9 753	0.92	81.15	★ 2KJ1407 - ■ KL13 - ■■■ C1		432
	20	8 800	1.0	73.22	2KJ1407 - ■ KL13 - ■■■ B1		432
	23	7 563	1.2	62.93	★ 2KJ1407 - ■ KL13 - ■■■ A1		432
	<b>FZ.148B-LG180ZMB4E</b>						
	28	6 434	1.2	53.53	★ 2KJ1307 - ■ KL13 - ■■■ S1		424
	29	6 074	1.3	50.54	2KJ1307 - ■ KL13 - ■■■ R1		424
	32	5 453	1.6	45.37	★ 2KJ1307 - ■ KL13 - ■■■ Q1		424
	35	5 005	1.8	41.64	2KJ1307 - ■ KL13 - ■■■ P1		424
	41	4 318	2.1	35.93	2KJ1307 - ■ KL13 - ■■■ N1		424
	47	3 777	2.4	31.43	2KJ1307 - ■ KL13 - ■■■ M1		424
	54	3 286	2.7	27.34	2KJ1307 - ■ KL13 - ■■■ L1		424
	<b>FD.128B-LG180ZMB4E</b>						
	28	6 386	0.96	53.13	★ 2KJ1406 - ■ KL13 - ■■■ A1		336
	<b>FZ.128B-LG180ZMB4E</b>						
	36	4 926	1.2	40.99	★ 2KJ1306 - ■ KL13 - ■■■ U1		332
	38	4 646	1.3	38.66	2KJ1306 - ■ KL13 - ■■■ T1		332
	42	4 163	1.5	34.64	★ 2KJ1306 - ■ KL13 - ■■■ S1		332
	46	3 844	1.6	31.98	2KJ1306 - ■ KL13 - ■■■ R1		332
54	3 285	1.9	27.33	2KJ1306 - ■ KL13 - ■■■ Q1		332	
60	2 969	2.1	24.7	★ 2KJ1306 - ■ KL13 - ■■■ P1		332	
62	2 860	2.1	23.8	2KJ1306 - ■ KL13 - ■■■ N1		332	
71	2 473	2.5	20.58	2KJ1306 - ■ KL13 - ■■■ L1		332	
82	2 157	2.8	17.95	★ 2KJ1306 - ■ KL13 - ■■■ K1		332	
96	1 846	3.2	15.36	★ 2KJ1306 - ■ KL13 - ■■■ J1		332	
107	1 654	3.4	13.76	2KJ1306 - ■ KL13 - ■■■ H1		332	
126	1 400	3.8	11.65	★ 2KJ1306 - ■ KL13 - ■■■ G1		332	
213	830	4.3	6.91	2KJ1306 - ■ KL13 - ■■■ D1		332	
251	703	4.7	5.85	★ 2KJ1306 - ■ KL13 - ■■■ C1		332	
<b>FZ.108B-LG180ZMB4E</b>							
44	3 977	0.85	33.09	★ 2KJ1305 - ■ KL13 - ■■■ Q1		254	
48	3 645	0.93	30.33	2KJ1305 - ■ KL13 - ■■■ P1		254	
57	3 107	1.1	25.85	2KJ1305 - ■ KL13 - ■■■ N1		254	
64	2 741	1.2	22.81	★ 2KJ1305 - ■ KL13 - ■■■ M1		254	
76	2 333	1.5	19.41	2KJ1305 - ■ KL13 - ■■■ L1		254	
87	2 022	1.7	16.82	★ 2KJ1305 - ■ KL13 - ■■■ K1		254	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
18.5	<b>FZ.108B-LG180ZMB4E</b>						
	104	1 702	1.9	14.16	★	2KJ1305 - ■ KL13 - ■■ J1	254
	115	1 535	2.1	12.77		2KJ1305 - ■ KL13 - ■■ H1	254
	134	1 320	2.4	10.98	★	2KJ1305 - ■ KL13 - ■■ G1	254
	146	1 207	2.8	10.04		2KJ1305 - ■ KL13 - ■■ F1	254
	169	1 046	3.0	8.7	★	2KJ1305 - ■ KL13 - ■■ E1	254
	201	880	3.2	7.32	★	2KJ1305 - ■ KL13 - ■■ D1	254
	223	793	3.3	6.6		2KJ1305 - ■ KL13 - ■■ C1	254
	259	683	3.5	5.68	★	2KJ1305 - ■ KL13 - ■■ B1	254
22	<b>FD.208-LG200ZLB6E</b>						
	5.5	37 909	0.90	175.92	★	2KJ1411 - ■ LM13 - ■■ Q1	P01 1 255
	<b>FD.208-LG180ZLB4E</b>						
	6.1	34 707	0.98	242.01		2KJ1411 - ■ KP13 - ■■ T1	1 205
	6.7	31 341	1.1	218.54		2KJ1411 - ■ KP13 - ■■ S1	1 205
	7.2	29 372	1.2	204.81		2KJ1411 - ■ KP13 - ■■ R1	1 205
	8.3	25 229	1.3	175.92	★	2KJ1411 - ■ KP13 - ■■ Q1	1 205
	9.6	21 797	1.6	151.99		2KJ1411 - ■ KP13 - ■■ P1	1 205
	10.9	19 240	1.8	134.16		2KJ1411 - ■ KP13 - ■■ N1	1 205
	12.1	17 320	2.0	120.77	★	2KJ1411 - ■ KP13 - ■■ M1	1 205
	<b>FD.188B-LG180ZLB4E</b>						
	8.8	23 954	0.83	167.03		2KJ1410 - ■ KP13 - ■■ J1	790
	10.0	20 954	0.95	146.11		2KJ1410 - ■ KP13 - ■■ H1	790
	11.5	18 223	1.1	127.07		2KJ1410 - ■ KP13 - ■■ G1	790
	13.1	15 989	1.3	111.49	★	2KJ1410 - ■ KP13 - ■■ F1	790
	15.5	13 521	1.5	94.28	★	2KJ1410 - ■ KP13 - ■■ E1	790
	17.1	12 268	1.6	85.54		2KJ1410 - ■ KP13 - ■■ D1	790
	19.6	10 696	1.9	74.58	★	2KJ1410 - ■ KP13 - ■■ C1	790
	23	9 081	2.2	63.32		2KJ1410 - ■ KP13 - ■■ B1	790
	<b>FZ.188B-LG180ZLB4E</b>						
	28	7 548	2.2	52.63		2KJ1310 - ■ KP13 - ■■ P1	767
	30	6 951	2.4	48.47		2KJ1310 - ■ KP13 - ■■ N1	767
<b>FD.168B-LG180ZLB4E</b>							
12.9	16 329	0.86	113.86		2KJ1408 - ■ KP13 - ■■ G1	609	
14.8	14 242	0.98	99.31	★	2KJ1408 - ■ KP13 - ■■ F1	609	
17.2	12 189	1.1	84.99	★	2KJ1408 - ■ KP13 - ■■ E1	609	
19.2	10 917	1.3	76.12		2KJ1408 - ■ KP13 - ■■ D1	609	
23	9 246	1.5	64.47	★	2KJ1408 - ■ KP13 - ■■ C1	609	
26	7 985	1.8	55.68		2KJ1408 - ■ KP13 - ■■ B1	609	
35	6 002	2.3	41.85	★	2KJ1408 - ■ KP13 - ■■ A1	609	
<b>FZ.168B-LG180ZLB4E</b>							
27	7 670	1.2	53.48		2KJ1308 - ■ KP13 - ■■ R1	592	
30	6 925	1.5	48.29		2KJ1308 - ■ KP13 - ■■ Q1	592	
32	6 489	1.8	45.25		2KJ1308 - ■ KP13 - ■■ P1	592	
38	5 574	2.3	38.87	★	2KJ1308 - ■ KP13 - ■■ N1	592	
44	4 816	2.7	33.58		2KJ1308 - ■ KP13 - ■■ M1	592	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
22	<b>FD.148B-LG180ZLB4E</b>						
	20	10 501	0.86	73.22	2KJ1407 - ■ KP13 - ■■ B1		447
	23	9 025	1.0	62.93 ★	2KJ1407 - ■ KP13 - ■■ A1		447
3	<b>FZ.148B-LG180ZLB4E</b>						
	27	7 677	1.0	53.53 ★	2KJ1307 - ■ KP13 - ■■ S1		439
	29	7 248	1.1	50.54	2KJ1307 - ■ KP13 - ■■ R1		439
	32	6 507	1.3	45.37 ★	2KJ1307 - ■ KP13 - ■■ Q1		439
	35	5 972	1.5	41.64	2KJ1307 - ■ KP13 - ■■ P1		439
	41	5 153	1.7	35.93	2KJ1307 - ■ KP13 - ■■ N1		439
	47	4 507	2.0	31.43	2KJ1307 - ■ KP13 - ■■ M1		439
	54	3 921	2.3	27.34	2KJ1307 - ■ KP13 - ■■ L1		439
	61	3 439	2.6	23.98 ★	2KJ1307 - ■ KP13 - ■■ K1		439
	72	2 908	3.1	20.28 ★	2KJ1307 - ■ KP13 - ■■ J1		439
	<b>FD.128B-LG180ZLB4E</b>						
28	7 620	0.80	53.13 ★	2KJ1406 - ■ KP13 - ■■ A1		351	
	<b>FZ.128B-LG180ZLB4E</b>						
	36	5 878	0.97	40.99 ★	2KJ1306 - ■ KP13 - ■■ U1		347
	38	5 544	1.1	38.66	2KJ1306 - ■ KP13 - ■■ T1		347
	42	4 968	1.2	34.64 ★	2KJ1306 - ■ KP13 - ■■ S1		347
	46	4 586	1.3	31.98	2KJ1306 - ■ KP13 - ■■ R1		347
	54	3 919	1.6	27.33	2KJ1306 - ■ KP13 - ■■ Q1		347
	59	3 542	1.7	24.7 ★	2KJ1306 - ■ KP13 - ■■ P1		347
	62	3 413	1.8	23.8	2KJ1306 - ■ KP13 - ■■ N1		347
	71	2 951	2.1	20.58	2KJ1306 - ■ KP13 - ■■ L1		347
	82	2 574	2.4	17.95 ★	2KJ1306 - ■ KP13 - ■■ K1		347
	95	2 203	2.7	15.36 ★	2KJ1306 - ■ KP13 - ■■ J1		347
	106	1 973	2.9	13.76	2KJ1306 - ■ KP13 - ■■ H1		347
	126	1 671	3.2	11.65 ★	2KJ1306 - ■ KP13 - ■■ G1		347
	145	1 444	3.5	10.07	2KJ1306 - ■ KP13 - ■■ F1		347
	194	1 086	4.2	7.57 ★	2KJ1306 - ■ KP13 - ■■ E1		347
	212	991	3.6	6.91	2KJ1306 - ■ KP13 - ■■ D1		347
	250	839	3.9	5.85 ★	2KJ1306 - ■ KP13 - ■■ C1		347
	290	724	4.3	5.05	2KJ1306 - ■ KP13 - ■■ B1		347
386	545	5.0	3.8 ★	2KJ1306 - ■ KP13 - ■■ A1		347	
	<b>FZ.108B-LG180ZLB4E</b>						
	57	3 707	0.92	25.85	2KJ1305 - ■ KP13 - ■■ N1		269
	64	3 271	1.0	22.81 ★	2KJ1305 - ■ KP13 - ■■ M1		269
	76	2 784	1.2	19.41	2KJ1305 - ■ KP13 - ■■ L1		269
	87	2 412	1.4	16.82 ★	2KJ1305 - ■ KP13 - ■■ K1		269
	103	2 031	1.6	14.16 ★	2KJ1305 - ■ KP13 - ■■ J1		269
	115	1 831	1.8	12.77	2KJ1305 - ■ KP13 - ■■ H1		269
	133	1 575	2.0	10.98 ★	2KJ1305 - ■ KP13 - ■■ G1		269
146	1 440	2.3	10.04	2KJ1305 - ■ KP13 - ■■ F1		269	
168	1 248	2.5	8.7 ★	2KJ1305 - ■ KP13 - ■■ E1		269	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg	
22	<b>FZ.108B-LG180ZLB4E</b>							
	200	1 050	2.7	7.32	★	2KJ1305 - ■ KP13 - ■■ D1	269	
	222	947	2.8	6.6		2KJ1305 - ■ KP13 - ■■ C1	269	
	258	815	3.0	5.68	★	2KJ1305 - ■ KP13 - ■■ B1	269	
30	<b>FD.208-LG200LB4E</b>							
	6.7	42 449	0.80	218.54		2KJ1411 - ■ LM13 - ■■ S1	1 255	
	7.2	39 782	0.85	204.81		2KJ1411 - ■ LM13 - ■■ R1	1 255	
	8.4	34 170	1.0	175.92	★	2KJ1411 - ■ LM13 - ■■ Q1	1 255	
	9.7	29 522	1.2	151.99		2KJ1411 - ■ LM13 - ■■ P1	1 255	
	11.0	26 059	1.3	134.16		2KJ1411 - ■ LM13 - ■■ N1	1 255	
	12.2	23 458	1.4	120.77	★	2KJ1411 - ■ LM13 - ■■ M1	1 255	
	14.7	19 465	1.7	100.21	★	2KJ1411 - ■ LM13 - ■■ L1	1 255	
	16.1	17 749	1.9	91.38		2KJ1411 - ■ LM13 - ■■ K1	1 255	
	18.4	15 572	2.2	80.17	★	2KJ1411 - ■ LM13 - ■■ J1	1 255	
	30	<b>FD.188B-LG200LB4E</b>						
		11.6	24 682	0.81	127.07		2KJ1410 - ■ LM13 - ■■ G1	840
13.2		21 656	0.92	111.49	★	2KJ1410 - ■ LM13 - ■■ F1	840	
15.6		18 313	1.1	94.28	★	2KJ1410 - ■ LM13 - ■■ E1	840	
17.2		16 615	1.2	85.54		2KJ1410 - ■ LM13 - ■■ D1	840	
19.8		14 486	1.4	74.58	★	2KJ1410 - ■ LM13 - ■■ C1	840	
23		12 299	1.6	63.32		2KJ1410 - ■ LM13 - ■■ B1	840	
30		9 413	2.1	48.46	★	2KJ1410 - ■ LM13 - ■■ A1	840	
30	<b>FZ.188B-LG200LB4E</b>							
	28	10 223	1.6	52.63		2KJ1310 - ■ LM13 - ■■ P1	817	
	30	9 415	1.8	48.47		2KJ1310 - ■ LM13 - ■■ N1	817	
	35	8 172	2.1	42.07	★	2KJ1310 - ■ LM13 - ■■ M1	817	
30	<b>FD.168B-LG200LB4E</b>							
	17.4	16 508	0.85	84.99	★	2KJ1408 - ■ LM13 - ■■ E1	659	
	19.4	14 785	0.95	76.12		2KJ1408 - ■ LM13 - ■■ D1	659	
	23	12 522	1.1	64.47	★	2KJ1408 - ■ LM13 - ■■ C1	659	
	26	10 815	1.3	55.68		2KJ1408 - ■ LM13 - ■■ B1	659	
30	<b>FZ.168B-LG200LB4E</b>							
	28	10 388	0.87	53.48		2KJ1308 - ■ LM13 - ■■ R1	642	
	30	9 380	1.1	48.29		2KJ1308 - ■ LM13 - ■■ Q1	642	
	33	8 789	1.3	45.25		2KJ1308 - ■ LM13 - ■■ P1	642	
	38	7 550	1.7	38.87	★	2KJ1308 - ■ LM13 - ■■ N1	642	
	44	6 522	2.0	33.58		2KJ1308 - ■ LM13 - ■■ M1	642	
	50	5 757	2.4	29.64		2KJ1308 - ■ LM13 - ■■ L1	642	
30	<b>FZ.148B-LG200LB4E</b>							
	29	9 817	0.81	50.54		2KJ1307 - ■ LM13 - ■■ R1	489	
	32	8 813	0.99	45.37	★	2KJ1307 - ■ LM13 - ■■ Q1	489	

★ Preferred transmission ratio

Shaft designs, see page 3/89 ————— 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 ————— 1 to 9

Gearbox housing mounting position, see page 3/92 ————— A, D, E, F, H or M

\*) For mounting type B5-01

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg	
30	<b>FZ.148B-LG200LB4E</b>							
	35	8 088	1.1	41.64	2KJ1307 - LM13 - P1		489	
	41	6 979	1.3	35.93	2KJ1307 - LM13 - N1		489	
	47	6 105	1.5	31.43	2KJ1307 - LM13 - M1		489	
	54	5 310	1.7	27.34	2KJ1307 - LM13 - L1		489	
	62	4 658	1.9	23.98	★ 2KJ1307 - LM13 - K1		489	
	73	3 939	2.3	20.28	★ 2KJ1307 - LM13 - J1		489	
	80	3 574	2.5	18.4	2KJ1307 - LM13 - H1		489	
	92	3 116	2.9	16.04	★ 2KJ1307 - LM13 - G1		489	
	108	2 646	3.2	13.62	2KJ1307 - LM13 - F1		489	
	141	2 026	3.9	10.43	★ 2KJ1307 - LM13 - E1		489	
	155	1 847	3.6	9.51	2KJ1307 - LM13 - D1		489	
	178	1 610	3.9	8.29	★ 2KJ1307 - LM13 - C1		489	
	210	1 367	4.3	7.04	2KJ1307 - LM13 - B1		489	
	274	1 047	4.9	5.39	★ 2KJ1307 - LM13 - A1		489	
		<b>FZ.128B-LG200LB4E</b>						
		38	7 509	0.80	38.66	2KJ1306 - LM13 - T1		397
		43	6 728	0.91	34.64	★ 2KJ1306 - LM13 - S1		397
		46	6 212	0.98	31.98	2KJ1306 - LM13 - R1		397
		54	5 309	1.1	27.33	2KJ1306 - LM13 - Q1		397
60		4 798	1.3	24.7	★ 2KJ1306 - LM13 - P1		397	
62		4 623	1.3	23.8	2KJ1306 - LM13 - N1		397	
72		3 997	1.5	20.58	2KJ1306 - LM13 - L1		397	
82		3 487	1.7	17.95	★ 2KJ1306 - LM13 - K1		397	
96		2 983	2.0	15.36	★ 2KJ1306 - LM13 - J1		397	
107		2 673	2.1	13.76	2KJ1306 - LM13 - H1		397	
127		2 263	2.4	11.65	★ 2KJ1306 - LM13 - G1		397	
146		1 956	2.6	10.07	2KJ1306 - LM13 - F1		397	
195		1 470	3.1	7.57	★ 2KJ1306 - LM13 - E1		397	
213		1 342	2.7	6.91	2KJ1306 - LM13 - D1		397	
252		1 136	2.9	5.85	★ 2KJ1306 - LM13 - C1		397	
292		981	3.2	5.05	2KJ1306 - LM13 - B1		397	
388		738	3.7	3.8	★ 2KJ1306 - LM13 - A1		397	
37		<b>FD.208-LG225S4E</b>						
		8.4	42 287	0.80	175.92	★ 2KJ1411 - ME13 - Q1		1 335
	9.7	36 534	0.93	151.99	2KJ1411 - ME13 - P1		1 335	
	11.0	32 249	1.1	134.16	2KJ1411 - ME13 - N1		1 335	
	12.2	29 030	1.2	120.77	★ 2KJ1411 - ME13 - M1		1 335	
	14.7	24 088	1.4	100.21	★ 2KJ1411 - ME13 - L1		1 335	
	16.1	21 965	1.5	91.38	2KJ1411 - ME13 - K1		1 335	
	18.3	19 271	1.8	80.17	★ 2KJ1411 - ME13 - J1		1 335	
	21	16 562	2.1	68.9	2KJ1411 - ME13 - H1		1 335	
		<b>FD.188B-LG225S4E</b>						
15.6	22 662	0.88	94.28	★ 2KJ1410 - ME13 - E1		920		

★ Preferred transmission ratio

Shaft designs, see page 3/89 — 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 — 1 to 9

Gearbox housing mounting position, see page 3/92 — A, D, E, F, H or M

\*) For mounting type B5-01

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
37	<b>FD.188B-LG225S4E</b>						
	17.2	20 562	0.97	85.54	2KJ1410 - ME13 - D1		920
	19.7	17 927	1.1	74.58	★ 2KJ1410 - ME13 - C1		920
	23	15 220	1.3	63.32	2KJ1410 - ME13 - B1		920
	30	11 649	1.7	48.46	★ 2KJ1410 - ME13 - A1		920
	<b>FZ.188B-LG225S4E</b>						
	28	12 651	1.3	52.63	2KJ1310 - ME13 - P1		897
	30	11 651	1.4	48.47	2KJ1310 - ME13 - N1		897
	35	10 113	1.7	42.07	★ 2KJ1310 - ME13 - M1		897
	40	8 913	2.0	37.08	2KJ1310 - ME13 - L1		897
	45	7 822	2.4	32.54	2KJ1310 - ME13 - K1		897
	50	7 050	2.8	29.33	★ 2KJ1310 - ME13 - J1		897
	<b>FD.168B-LG225S4E</b>						
	23	15 497	0.90	64.47	★ 2KJ1408 - ME13 - C1		739
	26	13 384	1.0	55.68	2KJ1408 - ME13 - B1		739
	35	10 060	1.4	41.85	★ 2KJ1408 - ME13 - A1		739
	<b>FZ.168B-LG225S4E</b>						
	30	11 608	0.90	48.29	2KJ1308 - ME13 - Q1		722
	32	10 877	1.1	45.25	2KJ1308 - ME13 - P1		722
	38	9 343	1.4	38.87	★ 2KJ1308 - ME13 - N1		722
	44	8 072	1.6	33.58	2KJ1308 - ME13 - M1		722
	50	7 125	2.0	29.64	2KJ1308 - ME13 - L1		722
	55	6 413	2.2	26.68	★ 2KJ1308 - ME13 - K1		722
	66	5 322	2.6	22.14	★ 2KJ1308 - ME13 - J1		722
	73	4 853	2.9	20.19	2KJ1308 - ME13 - H1		722
	83	4 257	3.3	17.71	★ 2KJ1308 - ME13 - G1		722
	<b>FZ.148B-LG225S4E</b>						
	32	10 906	0.80	45.37	★ 2KJ1307 - ME13 - Q1		569
	35	10 009	0.90	41.64	2KJ1307 - ME13 - P1		569
	41	8 637	1.0	35.93	2KJ1307 - ME13 - N1		569
	47	7 555	1.2	31.43	2KJ1307 - ME13 - M1		569
	54	6 572	1.4	27.34	2KJ1307 - ME13 - L1		569
	61	5 764	1.6	23.98	★ 2KJ1307 - ME13 - K1		569
	72	4 875	1.8	20.28	★ 2KJ1307 - ME13 - J1		569
	80	4 423	2.0	18.4	2KJ1307 - ME13 - H1		569
	92	3 856	2.3	16.04	★ 2KJ1307 - ME13 - G1		569
	108	3 274	2.6	13.62	2KJ1307 - ME13 - F1		569
	141	2 507	3.1	10.43	★ 2KJ1307 - ME13 - E1		569
	155	2 286	2.9	9.51	2KJ1307 - ME13 - D1		569
	177	1 993	3.1	8.29	★ 2KJ1307 - ME13 - C1		569
	209	1 692	3.4	7.04	2KJ1307 - ME13 - B1		569
	273	1 296	4.0	5.39	★ 2KJ1307 - ME13 - A1		569
	<b>FZ.128B-K4-LGI225S4E</b>						
	54	6 569	0.93	27.33	2KJ1306 - ME13 - Q1		477

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
37	<b>FZ.128B-K4-LGI225S4E</b>						
	60	5 937	1.0	24.7	★	2KJ1306 - ME13 - P1	477
	62	5 721	1.1	23.8		2KJ1306 - ME13 - N1	477
	71	4 947	1.2	20.58		2KJ1306 - ME13 - L1	477
	82	4 315	1.4	17.95	★	2KJ1306 - ME13 - K1	477
	96	3 692	1.6	15.36	★	2KJ1306 - ME13 - J1	477
	107	3 308	1.7	13.76		2KJ1306 - ME13 - H1	477
	126	2 800	1.9	11.65	★	2KJ1306 - ME13 - G1	477
	146	2 421	2.1	10.07		2KJ1306 - ME13 - F1	477
	194	1 820	2.5	7.57	★	2KJ1306 - ME13 - E1	477
	213	1 661	2.2	6.91		2KJ1306 - ME13 - D1	477
	251	1 406	2.3	5.85	★	2KJ1306 - ME13 - C1	477
	291	1 214	2.6	5.05		2KJ1306 - ME13 - B1	477
387	913	3.0	3.8	★	2KJ1306 - ME13 - A1	477	
45	<b>FD.208-LG225ZM4E</b>						
	11.0	39 088	0.87	134.16		2KJ1411 - MU13 - N1	1 335
	12.2	35 187	0.97	120.77	★	2KJ1411 - MU13 - M1	1 335
	14.7	29 197	1.2	100.21	★	2KJ1411 - MU13 - L1	1 335
	16.1	26 624	1.3	91.38		2KJ1411 - MU13 - K1	1 335
	18.4	23 358	1.5	80.17	★	2KJ1411 - MU13 - J1	1 335
	21	20 074	1.7	68.9		2KJ1411 - MU13 - H1	1 335
	28	15 634	2.2	53.66		2KJ1411 - MU13 - G1	1 335
<b>FD.188B-LG225ZM4E</b>							
17.2	24 923	0.80	85.54		2KJ1410 - MU13 - D1	920	
19.8	21 729	0.92	74.58	★	2KJ1410 - MU13 - C1	920	
23	18 449	1.1	63.32		2KJ1410 - MU13 - B1	920	
30	14 119	1.4	48.46	★	2KJ1410 - MU13 - A1	920	
<b>FZ.188B-LG225ZM4E</b>							
28	15 334	1.1	52.63		2KJ1310 - MU13 - P1	897	
30	14 122	1.2	48.47		2KJ1310 - MU13 - N1	897	
35	12 257	1.4	42.07	★	2KJ1310 - MU13 - M1	897	
40	10 803	1.6	37.08		2KJ1310 - MU13 - L1	897	
45	9 481	2.0	32.54		2KJ1310 - MU13 - K1	897	
50	8 545	2.3	29.33	★	2KJ1310 - MU13 - J1	897	
59	7 255	2.8	24.9	★	2KJ1310 - MU13 - H1	897	
64	6 739	3.0	23.13		2KJ1310 - MU13 - G1	897	
<b>FD.168B-LG225ZM4E</b>							
26	16 223	0.86	55.68		2KJ1408 - MU13 - B1	739	
35	12 193	1.1	41.85	★	2KJ1408 - MU13 - A1	739	
<b>FZ.168B-LG225ZM4E</b>							
33	13 184	0.87	45.25		2KJ1308 - MU13 - P1	722	
38	11 325	1.1	38.87	★	2KJ1308 - MU13 - N1	722	
44	9 784	1.3	33.58		2KJ1308 - MU13 - M1	722	
50	8 636	1.6	29.64		2KJ1308 - MU13 - L1	722	

★ Preferred transmission ratio

Shaft designs, see page 3/89 — 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 — 1 to 9

Gearbox housing mounting position, see page 3/92 — A, D, E, F, H or M

\*) For mounting type B5-01

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
45	<b>FZ.168B-LG225ZM4E</b>						
	55	7 773	1.8	26.68	★	2KJ1308 - ■MU13 - ■■K1	722
	67	6 451	2.2	22.14	★	2KJ1308 - ■MU13 - ■■J1	722
	73	5 882	2.4	20.19		2KJ1308 - ■MU13 - ■■H1	722
	83	5 160	2.7	17.71	★	2KJ1308 - ■MU13 - ■■G1	722
	97	4 434	3.2	15.22		2KJ1308 - ■MU13 - ■■F1	722
	<b>FZ.148B-LG225ZM4E</b>						
	41	10 468	0.86	35.93		2KJ1307 - ■MU13 - ■■N1	569
	47	9 157	0.98	31.43		2KJ1307 - ■MU13 - ■■M1	569
	54	7 966	1.1	27.34		2KJ1307 - ■MU13 - ■■L1	569
	62	6 987	1.3	23.98	★	2KJ1307 - ■MU13 - ■■K1	569
	73	5 909	1.5	20.28	★	2KJ1307 - ■MU13 - ■■J1	569
	80	5 361	1.7	18.4		2KJ1307 - ■MU13 - ■■H1	569
	92	4 673	1.9	16.04	★	2KJ1307 - ■MU13 - ■■G1	569
	108	3 968	2.1	13.62		2KJ1307 - ■MU13 - ■■F1	569
141	3 039	2.6	10.43	★	2KJ1307 - ■MU13 - ■■E1	569	
155	2 771	2.4	9.51		2KJ1307 - ■MU13 - ■■D1	569	
178	2 415	2.6	8.29	★	2KJ1307 - ■MU13 - ■■C1	569	
210	2 051	2.8	7.04		2KJ1307 - ■MU13 - ■■B1	569	
274	1 570	3.3	5.39	★	2KJ1307 - ■MU13 - ■■A1	569	
<b>FZ.128B-K4-LGI225ZM4E</b>							
60	7 188	0.85	24.7	★	2KJ1306 - ■MU13 - ■■P1	477	
62	6 926	0.88	23.8		2KJ1306 - ■MU13 - ■■N1	477	
72	5 989	1.0	20.58		2KJ1306 - ■MU13 - ■■L1	477	
82	5 223	1.2	17.95	★	2KJ1306 - ■MU13 - ■■K1	477	
96	4 470	1.3	15.36	★	2KJ1306 - ■MU13 - ■■J1	477	
107	4 004	1.4	13.76		2KJ1306 - ■MU13 - ■■H1	477	
127	3 390	1.6	11.65	★	2KJ1306 - ■MU13 - ■■G1	477	
146	2 930	1.7	10.07		2KJ1306 - ■MU13 - ■■F1	477	
195	2 203	2.1	7.57	★	2KJ1306 - ■MU13 - ■■E1	477	
213	2 011	1.8	6.91		2KJ1306 - ■MU13 - ■■D1	477	
252	1 702	1.9	5.85	★	2KJ1306 - ■MU13 - ■■C1	477	
292	1 470	2.1	5.05		2KJ1306 - ■MU13 - ■■B1	477	
388	1 106	2.4	3.8	★	2KJ1306 - ■MU13 - ■■A1	477	
55	<b>FD.208-LG250ZM4E</b>						
	14.8	35 564	0.96	100.21	★	2KJ1411 - ■NN13 - ■■L1	1 425
	16.2	32 431	1.0	91.38		2KJ1411 - ■NN13 - ■■K1	1 425
	18.5	28 452	1.2	80.17	★	2KJ1411 - ■NN13 - ■■J1	1 425
	22	24 453	1.4	68.9		2KJ1411 - ■NN13 - ■■H1	1 425
	28	19 044	1.8	53.66		2KJ1411 - ■NN13 - ■■G1	1 425
	35	15 129	2.2	42.63	★	2KJ1411 - ■NN13 - ■■F1	1 425
	38	13 784	2.5	38.84		2KJ1411 - ■NN13 - ■■E1	1 425

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
55	<b>FD.188B-LG250ZM4E</b>						
	23	22 472	0.89	63.32	2KJ1410 - ■NN13 - ■■B1		1 010
	30	17 198	1.2	48.46 ★	2KJ1410 - ■NN13 - ■■A1		1 010
	<b>FZ.188B-LG250ZM4E</b>						
	30	17 202	0.98	48.47	2KJ1310 - ■NN13 - ■■N1		987
	35	14 931	1.2	42.07 ★	2KJ1310 - ■NN13 - ■■M1		987
	40	13 160	1.3	37.08	2KJ1310 - ■NN13 - ■■L1		987
	46	11 548	1.6	32.54	2KJ1310 - ■NN13 - ■■K1		987
	50	10 409	1.9	29.33 ★	2KJ1310 - ■NN13 - ■■J1		987
	59	8 837	2.3	24.9 ★	2KJ1310 - ■NN13 - ■■H1		987
	64	8 209	2.4	23.13	2KJ1310 - ■NN13 - ■■G1		987
	74	7 052	2.8	19.87 ★	2KJ1310 - ■NN13 - ■■F1		987
	87	6 016	3.1	16.95	2KJ1310 - ■NN13 - ■■E1		987
	<b>FD.168B-LG250ZM4E</b>						
	35	14 853	0.94	41.85 ★	2KJ1408 - ■NN13 - ■■A1		829
	<b>FZ.168B-LG250ZM4E</b>						
	38	13 795	0.94	38.87 ★	2KJ1308 - ■NN13 - ■■N1		812
	44	11 917	1.1	33.58	2KJ1308 - ■NN13 - ■■M1		812
	50	10 519	1.3	29.64	2KJ1308 - ■NN13 - ■■L1		812
	56	9 469	1.5	26.68 ★	2KJ1308 - ■NN13 - ■■K1		812
	67	7 857	1.8	22.14 ★	2KJ1308 - ■NN13 - ■■J1		812
	73	7 165	2.0	20.19	2KJ1308 - ■NN13 - ■■H1		812
	84	6 285	2.2	17.71 ★	2KJ1308 - ■NN13 - ■■G1		812
	97	5 402	2.6	15.22	2KJ1308 - ■NN13 - ■■F1		812
	125	4 209	3.1	11.86 ★	2KJ1308 - ■NN13 - ■■E1		812
	157	3 343	3.6	9.42 ★	2KJ1308 - ■NN13 - ■■D1		812
	173	3 031	3.7	8.54	2KJ1308 - ■NN13 - ■■C1		812
	223	2 360	4.2	6.65 ★	2KJ1308 - ■NN13 - ■■B1		812
	280	1 874	4.6	5.28 ★	2KJ1308 - ■NN13 - ■■A1		812
	<b>FZ.148B-K4-LGI250ZM4E</b>						
	47	11 154	0.81	31.43	2KJ1307 - ■NN13 - ■■M1		659
	54	9 703	0.93	27.34	2KJ1307 - ■NN13 - ■■L1		659
	62	8 510	1.1	23.98 ★	2KJ1307 - ■NN13 - ■■K1		659
	73	7 197	1.3	20.28 ★	2KJ1307 - ■NN13 - ■■J1		659
	80	6 530	1.4	18.4	2KJ1307 - ■NN13 - ■■H1		659
	92	5 693	1.6	16.04 ★	2KJ1307 - ■NN13 - ■■G1		659
	109	4 834	1.8	13.62	2KJ1307 - ■NN13 - ■■F1		659
	142	3 702	2.1	10.43 ★	2KJ1307 - ■NN13 - ■■E1		659
	156	3 375	1.9	9.51	2KJ1307 - ■NN13 - ■■D1		659
	179	2 942	2.1	8.29 ★	2KJ1307 - ■NN13 - ■■C1		659
	210	2 498	2.3	7.04	2KJ1307 - ■NN13 - ■■B1		659
	275	1 913	2.7	5.39 ★	2KJ1307 - ■NN13 - ■■A1		659

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
75	<b>FD.208-K4-LGI280S4E</b>						
	18.5	38 668	0.88	80.17	★	2KJ1411 - PG13 - J1	1 550
	22	33 232	1.0	68.9		2KJ1411 - PG13 - H1	1 550
	28	25 881	1.3	53.66		2KJ1411 - PG13 - G1	1 550
	35	20 561	1.7	42.63	★	2KJ1411 - PG13 - F1	1 550
	38	18 733	1.8	38.84		2KJ1411 - PG13 - E1	1 550
	49	14 590	2.2	30.25	★	2KJ1411 - PG13 - D1	1 550
	62	11 590	2.6	24.03	★	2KJ1411 - PG13 - C1	1 550
	<b>FD.188B-K4-LGI280S4E</b>						
	31	23 373	0.86	48.46	★	2KJ1410 - PG13 - A1	1 135
<b>FZ.188B-K4-LGI280S4E</b>							
40	17 885	0.98	37.08		2KJ1310 - PG13 - L1	1 112	
46	15 695	1.2	32.54		2KJ1310 - PG13 - K1	1 112	
51	14 147	1.4	29.33	★	2KJ1310 - PG13 - J1	1 112	
60	12 010	1.7	24.9	★	2KJ1310 - PG13 - H1	1 112	
64	11 156	1.8	23.13		2KJ1310 - PG13 - G1	1 112	
75	9 584	2.1	19.87	★	2KJ1310 - PG13 - F1	1 112	
88	8 175	2.3	16.95		2KJ1310 - PG13 - E1	1 112	
111	6 439	2.7	13.35	★	2KJ1310 - PG13 - D1	1 112	
138	5 180	3.1	10.74	★	2KJ1310 - PG13 - C1	1 112	
159	4 505	3.3	9.34		2KJ1310 - PG13 - B1	1 112	
178	4 023	3.5	8.34		2KJ1310 - PG13 - A1	1 112	
<b>FZ.168B-K4-LGI280S4E</b>							
44	16 196	0.80	33.58		2KJ1308 - PG13 - M1	937	
50	14 296	0.98	29.64		2KJ1308 - PG13 - L1	937	
56	12 868	1.1	26.68	★	2KJ1308 - PG13 - K1	937	
67	10 679	1.3	22.14	★	2KJ1308 - PG13 - J1	937	
74	9 738	1.4	20.19		2KJ1308 - PG13 - H1	937	
84	8 542	1.6	17.71	★	2KJ1308 - PG13 - G1	937	
98	7 341	1.9	15.22		2KJ1308 - PG13 - F1	937	
125	5 720	2.3	11.86	★	2KJ1308 - PG13 - E1	937	
158	4 543	2.7	9.42	★	2KJ1308 - PG13 - D1	937	
174	4 119	2.7	8.54		2KJ1308 - PG13 - C1	937	
223	3 207	3.1	6.65	★	2KJ1308 - PG13 - B1	937	
281	2 547	3.4	5.28	★	2KJ1308 - PG13 - A1	937	
90	<b>FD.208-K4-LGI280ZM4E</b>						
	22	39 878	0.85	68.9		2KJ1411 - PW13 - H1	1 590
	28	31 058	1.1	53.66		2KJ1411 - PW13 - G1	1 590
	35	24 674	1.4	42.63	★	2KJ1411 - PW13 - F1	1 590
	38	22 480	1.5	38.84		2KJ1411 - PW13 - E1	1 590
	49	17 508	1.8	30.25	★	2KJ1411 - PW13 - D1	1 590
	62	13 908	2.1	24.03	★	2KJ1411 - PW13 - C1	1 590

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

### Geared motors up to 200 kW

#### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
90	<b>FZ.208-K4-LGI280ZM4E</b>						
	74	11 610	2.8	20.06	2KJ1311 - PW13 - H1		1 570
	93	9 272	3.3	16.02	★ 2KJ1311 - PW13 - G1		1 570
	<b>FZ.188B-K4-LGI280ZM4E</b>						
	40	21 461	0.82	37.08	2KJ1310 - PW13 - L1		1 152
	46	18 834	0.98	32.54	2KJ1310 - PW13 - K1		1 152
	51	16 976	1.2	29.33	★ 2KJ1310 - PW13 - J1		1 152
	60	14 412	1.4	24.9	★ 2KJ1310 - PW13 - H1		1 152
	64	13 387	1.5	23.13	2KJ1310 - PW13 - G1		1 152
	75	11 501	1.7	19.87	★ 2KJ1310 - PW13 - F1		1 152
	88	9 810	1.9	16.95	2KJ1310 - PW13 - E1		1 152
	111	7 727	2.3	13.35	★ 2KJ1310 - PW13 - D1		1 152
	138	6 216	2.6	10.74	★ 2KJ1310 - PW13 - C1		1 152
	159	5 406	2.8	9.34	2KJ1310 - PW13 - B1		1 152
	178	4 827	2.9	8.34	2KJ1310 - PW13 - A1		1 152
	<b>FZ.168B-K4-LGI280ZM4E</b>						
	50	17 155	0.82	29.64	2KJ1308 - PW13 - L1		977
	56	15 442	0.91	26.68	★ 2KJ1308 - PW13 - K1		977
	67	12 814	1.1	22.14	★ 2KJ1308 - PW13 - J1		977
74	11 686	1.2	20.19	2KJ1308 - PW13 - H1		977	
84	10 250	1.4	17.71	★ 2KJ1308 - PW13 - G1		977	
98	8 809	1.6	15.22	2KJ1308 - PW13 - F1		977	
125	6 864	1.9	11.86	★ 2KJ1308 - PW13 - E1		977	
158	5 452	2.2	9.42	★ 2KJ1308 - PW13 - D1		977	
174	4 943	2.3	8.54	2KJ1308 - PW13 - C1		977	
223	3 849	2.6	6.65	★ 2KJ1308 - PW13 - B1		977	
281	3 056	2.8	5.28	★ 2KJ1308 - PW13 - A1		977	
110	<b>FD.208-K2-LGI315S4E</b>						
	28	37 832	0.90	53.66	2KJ1411 - QQ13 - G1		1 770
	35	30 056	1.1	42.63	★ 2KJ1411 - QQ13 - F1		1 770
	38	27 384	1.2	38.84	2KJ1411 - QQ13 - E1		1 770
	49	21 327	1.5	30.25	★ 2KJ1411 - QQ13 - D1		1 770
	62	16 942	1.8	24.03	★ 2KJ1411 - QQ13 - C1		1 770
	<b>FZ.208-K2-LGI315S4E</b>						
	74	14 143	2.3	20.06	2KJ1311 - QQ13 - H1		1 750
	93	11 295	2.7	16.02	★ 2KJ1311 - QQ13 - G1		1 750
	114	9 229	3.1	13.09	★ 2KJ1311 - QQ13 - F1		1 750
	129	8 115	3.4	11.51	2KJ1311 - QQ13 - E1		1 750
	141	7 452	3.6	10.57	2KJ1311 - QQ13 - D1		1 750
	165	6 352	4.0	9.01	2KJ1311 - QQ13 - C1		1 750
	<b>FZ.188B-K2-LGI315S4E</b>						
	88	11 950	1.6	16.95	2KJ1310 - QQ13 - E1		1 332
	112	9 412	1.9	13.35	★ 2KJ1310 - QQ13 - D1		1 332
	139	7 572	2.1	10.74	★ 2KJ1310 - QQ13 - C1		1 332

★ Preferred transmission ratio

Shaft designs, see page 3/89 ————— 1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20 ————— 1 to 9

Gearbox housing mounting position, see page 3/92 ————— A, D, E, F, H or M

\*) For mounting type B5-01

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

## Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
110	<b>FZ.188B-K2-LGI315S4E</b>						
	160	6 585	2.3	9.34	2KJ1310 - ■■QS13 - ■■B1		1 332
	179	5 880	2.4	8.34	2KJ1310 - ■■QS13 - ■■A1		1 332
132	<b>FD.208-K2-LGI315ZM4E</b>						
	35	36 188	0.94	42.63	★	2KJ1411 - ■■QS13 - ■■F1	1 825
	38	32 971	1.0	38.84		2KJ1411 - ■■QS13 - ■■E1	1 825
	49	25 679	1.2	30.25	★	2KJ1411 - ■■QS13 - ■■D1	1 825
	62	20 399	1.5	24.03	★	2KJ1411 - ■■QS13 - ■■C1	1 825
	<b>FZ.208-K2-LGI315ZM4E</b>						
	74	17 029	1.9	20.06		2KJ1311 - ■■QS13 - ■■H1	1 805
	93	13 599	2.2	16.02	★	2KJ1311 - ■■QS13 - ■■G1	1 805
	113	11 112	2.6	13.09	★	2KJ1311 - ■■QS13 - ■■F1	1 805
	129	9 771	2.8	11.51		2KJ1311 - ■■QS13 - ■■E1	1 805
	140	8 973	3.0	10.57		2KJ1311 - ■■QS13 - ■■D1	1 805
	165	7 648	3.3	9.01		2KJ1311 - ■■QS13 - ■■C1	1 805
	<b>FZ.188B2-K2-LGI315ZM4E</b>						
	88	14 389	1.3	16.95		2KJ1310 - ■■QS13 - ■■E1	1 387
	111	11 333	1.5	13.35	★	2KJ1310 - ■■QS13 - ■■D1	1 387
138	9 117	1.8	10.74	★	2KJ1310 - ■■QS13 - ■■C1	1 387	
159	7 929	1.9	9.34		2KJ1310 - ■■QS13 - ■■B1	1 387	
178	7 080	2.0	8.34		2KJ1310 - ■■QS13 - ■■A1	1 387	
160	<b>FD.208-K2-LGI315L4E</b>						
	38	39 965	0.85	38.84		2KJ1411 - ■■QU13 - ■■E1	1 950
	49	31 126	1.0	30.25	★	2KJ1411 - ■■QU13 - ■■D1	1 950
	62	24 726	1.2	24.03	★	2KJ1411 - ■■QU13 - ■■C1	1 950
	<b>FZ.208-K2-LGI315L4E</b>						
	74	20 641	1.6	20.06		2KJ1311 - ■■QU13 - ■■H1	1 930
	93	16 484	1.8	16.02	★	2KJ1311 - ■■QU13 - ■■G1	1 930
	113	13 469	2.1	13.09	★	2KJ1311 - ■■QU13 - ■■F1	1 930
	129	11 843	2.3	11.51		2KJ1311 - ■■QU13 - ■■E1	1 930
	140	10 876	2.5	10.57		2KJ1311 - ■■QU13 - ■■D1	1 930
	165	9 271	2.7	9.01		2KJ1311 - ■■QU13 - ■■C1	1 930
	<b>FZ.188B-K2-LGI315L4E</b>						
	88	17 441	1.1	16.95		2KJ1310 - ■■QU13 - ■■E1	1 512
	111	13 737	1.3	13.35	★	2KJ1310 - ■■QU13 - ■■D1	1 512
	138	11 051	1.5	10.74	★	2KJ1310 - ■■QU13 - ■■C1	1 512
	159	9 610	1.6	9.34		2KJ1310 - ■■QU13 - ■■B1	1 512
	178	8 581	1.7	8.34		2KJ1310 - ■■QU13 - ■■A1	1 512
	200	<b>FD.208-K2-LGI315ZLB4E</b>					
49		38 777	0.83	30.25	★	2KJ1411 - ■■QV13 - ■■D1	2 065
62		30 804	0.97	24.03	★	2KJ1411 - ■■QV13 - ■■C1	2 065
<b>FZ.208-K2-LGI315ZLB4E</b>							
74		25 714	1.3	20.06		2KJ1311 - ■■QV13 - ■■H1	2 045
93		20 536	1.5	16.02	★	2KJ1311 - ■■QV13 - ■■G1	2 045

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M

# MOTOX Geared Motors

## Parallel shaft geared motors

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating $P_{\text{Motor}}$ kW	Output speed $n_2$ (50 Hz) rpm	Output torque $T_2$ Nm	Service factor $f_B$	Gearbox ratio $i_{\text{tot}}$	Order No.	Order code (No. of poles)	Weight <sup>*)</sup> kg
200	<b>FZ.208-K2-LGI315ZLB4E</b>						
	114	16 780	1.7	13.09	★	2KJ1311 - ■QV13 - ■■F1	2 045
	129	14 754	1.9	11.51		2KJ1311 - ■QV13 - ■■E1	2 045
	141	13 549	2.0	10.57		2KJ1311 - ■QV13 - ■■D1	2 045
	165	11 550	2.2	9.01		2KJ1311 - ■QV13 - ■■C1	2 045
	<b>FZ.188B-K2-LGI315ZLB4E</b>						
	88	21 728	0.86	16.95		2KJ1310 - ■QV13 - ■■E1	1 627
	112	17 113	1.0	13.35	★	2KJ1310 - ■QV13 - ■■D1	1 627
	139	13 767	1.2	10.74	★	2KJ1310 - ■QV13 - ■■C1	1 627
	160	11 973	1.3	9.34		2KJ1310 - ■QV13 - ■■B1	1 627
179	10 691	1.3	8.34		2KJ1310 - ■QV13 - ■■A1	1 627	

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 3/92

\*) For mounting type B5-01

1, 2, 3, 5, 6 or 9

1 to 9

A, D, E, F, H or M