

# 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 <i>P<sub>Motor</sub></i>	Output speed	Output torque	Service factor	Gearbox ratio	Order No.	Order code	Weight *)
	kW (50 Hz) n <sub>2</sub> (50 Hz) rpm	T <sub>2</sub> Nm	f <sub>B</sub>	i <sub>tot</sub>		(No. of poles)	kg
<b>0.09</b>	<b>FD.48B-LA71M8</b>						
	2.3	367	1.5	268.8	★ 2KJ1402 - ■CE13 - ■■S1	P02	27
	2.6	326	1.7	238.65	2KJ1402 - ■CE13 - ■■R1	P02	27
	3.0	285	1.9	209.23	★ 2KJ1402 - ■CE13 - ■■Q1	P02	27
	<b>FD.38B-LA71M8</b>						
	2.6	330	0.88	241.91	★ 2KJ1401 - ■CE13 - ■■M1	P02	20
	3.0	284	1.0	207.83	2KJ1401 - ■CE13 - ■■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
<b>0.12</b>	<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

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

Geared motors up to 200 kW

### Selection and ordering data (continued)

Power rating <i>P</i> <sub>Motor</sub> kW	Output speed <i>n</i> <sub>2</sub> (50 Hz) rpm	Output torque <i>T</i> <sub>2</sub> Nm	Service factor <i>f</i> <sub>B</sub>	Gearbox ratio <i>i</i> <sub>tot</sub>	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>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>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>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>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

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

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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 *) kg
<b>0.12</b>							
	<b>FD.68B-LA71MB8</b>						
	<b>2.2</b>	526	1.9	296.18 ★	<b>2KJ1403 - ■■CF13 - ■■S1</b>	<b>P02</b>	43
	<b>FD.48B-Z28-LA71B4</b>						
	<b>1.3</b>	614	0.88	1 076 ★	<b>2KJ1413 - ■■CB13 - ■■N1</b>		29
	<b>1.4</b>	557	0.97	976	<b>2KJ1413 - ■■CB13 - ■■M1</b>		29
	<b>1.6</b>	507	1.1	888 ★	<b>2KJ1413 - ■■CB13 - ■■L1</b>		29
	<b>1.8</b>	448	1.2	785	<b>2KJ1413 - ■■CB13 - ■■K1</b>		29
	<b>1.9</b>	414	1.3	725 ★	<b>2KJ1413 - ■■CB13 - ■■J1</b>		29
	<b>2.2</b>	356	1.5	624	<b>2KJ1413 - ■■CB13 - ■■H1</b>		29
	<b>FD.48B-LA71MB8</b>						
	<b>2.4</b>	478	1.1	268.8 ★	<b>2KJ1402 - ■■CF13 - ■■S1</b>	<b>P02</b>	27
	<b>2.7</b>	424	1.3	238.65	<b>2KJ1402 - ■■CF13 - ■■R1</b>	<b>P02</b>	27
	<b>3.1</b>	372	1.5	209.23 ★	<b>2KJ1402 - ■■CF13 - ■■Q1</b>	<b>P02</b>	27
	<b>FD.48B-LA71C6</b>						
	<b>3.2</b>	358	1.5	268.8 ★	<b>2KJ1402 - ■■CC13 - ■■S1</b>	<b>P01</b>	27
	<b>3.6</b>	318	1.7	238.65	<b>2KJ1402 - ■■CC13 - ■■R1</b>	<b>P01</b>	27
	<b>4.1</b>	279	1.9	209.23 ★	<b>2KJ1402 - ■■CC13 - ■■Q1</b>	<b>P01</b>	27
	<b>FZ.38B-Z28-LA71B4</b>						
	<b>2.4</b>	339	0.86	587	<b>2KJ1313 - ■■CB13 - ■■G1</b>		22
	<b>FD.38B-LA71C6</b>						
	<b>3.6</b>	322	0.9	241.91 ★	<b>2KJ1401 - ■■CC13 - ■■M1</b>	<b>P01</b>	20
	<b>4.1</b>	277	1.0	207.83	<b>2KJ1401 - ■■CC13 - ■■L1</b>	<b>P01</b>	20
	<b>4.5</b>	255	1.1	191.34 ★	<b>2KJ1401 - ■■CC13 - ■■K1</b>	<b>P01</b>	20
	<b>FD.38B-LA71B4</b>						
	<b>5.0</b>	230	1.3	280.41	<b>2KJ1401 - ■■CB13 - ■■N1</b>		20
	<b>5.8</b>	198	1.5	241.91 ★	<b>2KJ1401 - ■■CB13 - ■■M1</b>		20
	<b>6.7</b>	170	1.7	207.83	<b>2KJ1401 - ■■CB13 - ■■L1</b>		20
	<b>7.3</b>	157	1.9	191.34 ★	<b>2KJ1401 - ■■CB13 - ■■K1</b>		20
	<b>8.0</b>	142	2.0	173.94	<b>2KJ1401 - ■■CB13 - ■■J1</b>		20
	<b>FD.28-LA71B4</b>						
	<b>6.7</b>	170	0.88	207.53	<b>2KJ1400 - ■■CB13 - ■■L1</b>		11
	<b>7.3</b>	156	0.96	191.06 ★	<b>2KJ1400 - ■■CB13 - ■■K1</b>		11
	<b>8.1</b>	142	1.1	173.69	<b>2KJ1400 - ■■CB13 - ■■J1</b>		11
	<b>9.1</b>	126	1.2	153.74 ★	<b>2KJ1400 - ■■CB13 - ■■H1</b>		11
	<b>10.9</b>	105	1.4	128.77	<b>2KJ1400 - ■■CB13 - ■■G1</b>		11
	<b>12.8</b>	90	1.7	109.79 ★	<b>2KJ1400 - ■■CB13 - ■■F1</b>		11
	<b>15.0</b>	76	2.0	93.32 ★	<b>2KJ1400 - ■■CB13 - ■■E1</b>		11
	<b>17.3</b>	66	2.3	81.1	<b>2KJ1400 - ■■CB13 - ■■D1</b>		11
	<b>19.8</b>	58	2.6	70.59 ★	<b>2KJ1400 - ■■CB13 - ■■C1</b>		11
	<b>22</b>	52	2.9	63.68	<b>2KJ1400 - ■■CB13 - ■■B1</b>		11
	<b>25</b>	46	3.3	56.2	<b>2KJ1400 - ■■CB13 - ■■A1</b>		11
	<b>FZ.28-LA71B4</b>						
	<b>24</b>	49	3.1	59.65	<b>2KJ1300 - ■■CB13 - ■■C2</b>		11
	<b>28</b>	41	3.6	50.3 ★	<b>2KJ1300 - ■■CB13 - ■■B2</b>		11

★ 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 *) kg
<b>0.12</b>	<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
<b>0.18</b>	<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 - ■■A2		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 - ■■A2		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

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<b>0.18</b>							
	<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	47
	2.6	671	1.5	263.39	2KJ1403 - DB13 - R1	P02	47

★ 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 <i>P<sub>Motor</sub></i> kW	Output speed <i>n<sub>2</sub></i> (50 Hz) rpm	Output torque <i>T<sub>2</sub></i> Nm	Service factor <i>f<sub>B</sub></i>	Gearbox ratio <i>i<sub>tot</sub></i>	Order No.	Order code (No. of poles)	Weight *) kg
<b>0.18</b>							
	<b>FD.68B-LA71S6</b>						
	2.9	599	1.7	296.18 ★	2KJ1403 - ■CD13 - ■■S1	P01	43
	3.2	533	1.9	263.39	2KJ1403 - ■CD13 - ■■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 - ■CD13 - ■■S1	P01	27
	3.6	483	1.1	238.65	2KJ1402 - ■CD13 - ■■R1	P01	27
	4.1	423	1.3	209.23 ★	2KJ1402 - ■CD13 - ■■Q1	P01	27
	4.5	379	1.4	187.24	2KJ1402 - ■CD13 - ■■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

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 *) kg
<b>0.18</b>	<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	6.53	2KJ1300 - CC13 - F1		11
<b>0.25</b>	<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

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

★ Preferred transmission ratio

Shaft designs, see page 3/89

Frequency and voltage, see page 8/20

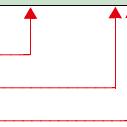
Gearbox housing mounting position, see page 3/92

\*) 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
<b>0.25</b>							
	<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

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 <i>P</i> <sub>Motor</sub> kW	Output speed <i>n</i> <sub>2</sub> (50 Hz) rpm	Output torque <i>T</i> <sub>2</sub> Nm	Service factor <i>f</i> <sub>B</sub>	Gearbox ratio <i>i</i> <sub>tot</sub>	Order No.	Order code (No. of poles)	Weight *) kg
<b>0.25</b>	<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
<b>0.37</b>	<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 - ■■R1		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

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 *) kg
<b>0.37</b>							
	<b>FD.148B-Z38-LA71M4</b>						
	<b>0.67</b>	4 503	2.0	2 043	<b>2KJ1432 - ■CE13 - ■■B1</b>		287
	<b>FD.128B-Z38-LA71M4</b>						
	<b>0.40</b>	7 593	0.80	3 445	★ <b>2KJ1428 - ■CE13 - ■■G1</b>		197
	<b>0.44</b>	6 844	0.89	3 105	<b>2KJ1428 - ■CE13 - ■■F1</b>		197
	<b>0.51</b>	5 885	1.0	2 670	★ <b>2KJ1428 - ■CE13 - ■■E1</b>		197
	<b>0.57</b>	5 248	1.2	2 381	<b>2KJ1428 - ■CE13 - ■■D1</b>		197
	<b>0.63</b>	4 818	1.3	2 186	★ <b>2KJ1428 - ■CE13 - ■■C1</b>		197
	<b>0.70</b>	4 342	1.4	1 970	<b>2KJ1428 - ■CE13 - ■■B1</b>		197
	<b>0.81</b>	3 734	1.6	1 694	★ <b>2KJ1428 - ■CE13 - ■■A1</b>		197
	<b>FD.128B-Z48-LA71M4</b>						
	<b>0.91</b>	3 315	1.8	1 504	<b>2KJ1431 - ■CE13 - ■■L1</b>		206
	<b>1.0</b>	3 020	2.0	1 370	★ <b>2KJ1431 - ■CE13 - ■■K1</b>		206
	<b>FD.108B-Z38-LA71M4</b>						
	<b>0.72</b>	4 223	0.81	1 916	<b>2KJ1426 - ■CE13 - ■■Q1</b>		122
	<b>0.83</b>	3 630	0.94	1 647	★ <b>2KJ1426 - ■CE13 - ■■P1</b>		122
	<b>0.90</b>	3 364	1.0	1 526	<b>2KJ1426 - ■CE13 - ■■N1</b>		122
	<b>0.99</b>	3 051	1.1	1 384	★ <b>2KJ1426 - ■CE13 - ■■M1</b>		122
	<b>1.1</b>	2 779	1.2	1 261	<b>2KJ1426 - ■CE13 - ■■L1</b>		122
	<b>1.2</b>	2 541	1.3	1 153	★ <b>2KJ1426 - ■CE13 - ■■K1</b>		122
	<b>1.3</b>	2 272	1.5	1 031	<b>2KJ1426 - ■CE13 - ■■J1</b>		122
	<b>1.4</b>	2 087	1.6	947	★ <b>2KJ1426 - ■CE13 - ■■H1</b>		122
	<b>FD.108B-LA90SA8</b>						
	<b>1.6</b>	2 222	1.5	424.49	★ <b>2KJ1405 - ■EB13 - ■■V1</b>	<b>P02</b>	128
	<b>1.8</b>	2 004	1.7	382.79	<b>2KJ1405 - ■EB13 - ■■U1</b>	<b>P02</b>	128
	<b>2.0</b>	1 807	1.9	345.19	★ <b>2KJ1405 - ■EB13 - ■■T1</b>	<b>P02</b>	128
	<b>FD.88B-Z28-LA71M4</b>						
	<b>1.3</b>	2 332	0.81	1 058	<b>2KJ1422 - ■CE13 - ■■J1</b>		73
	<b>1.4</b>	2 120	0.90	962	★ <b>2KJ1422 - ■CE13 - ■■H1</b>		73
	<b>1.6</b>	1 926	0.99	874	★ <b>2KJ1422 - ■CE13 - ■■G1</b>		73
	<b>FD.88B-LA90SA8</b>						
	<b>1.9</b>	1 876	1.0	358.33	★ <b>2KJ1404 - ■EB13 - ■■U1</b>	<b>P02</b>	81
	<b>FD.88B-LA80S6</b>						
	<b>2.3</b>	1 555	1.2	404.92	<b>2KJ1404 - ■DB13 - ■■V1</b>	<b>P01</b>	78
	<b>2.6</b>	1 376	1.4	358.33	★ <b>2KJ1404 - ■DB13 - ■■U1</b>	<b>P01</b>	78
	<b>2.8</b>	1 251	1.5	325.76	<b>2KJ1404 - ■DB13 - ■■T1</b>	<b>P01</b>	78
	<b>3.1</b>	1 124	1.7	292.64	★ <b>2KJ1404 - ■DB13 - ■■S1</b>	<b>P01</b>	78
	<b>FD.88B-LA71M4</b>						
	<b>3.4</b>	1 044	1.8	404.92	<b>2KJ1404 - ■CE13 - ■■V1</b>		74
	<b>FD.68B-LA80S6</b>						
	<b>3.1</b>	1 138	0.88	296.18	★ <b>2KJ1403 - ■DB13 - ■■S1</b>	<b>P01</b>	47
	<b>3.5</b>	1 012	0.99	263.39	<b>2KJ1403 - ■DB13 - ■■R1</b>	<b>P01</b>	47
	<b>4.0</b>	878	1.1	228.48	★ <b>2KJ1403 - ■DB13 - ■■Q1</b>	<b>P01</b>	47
	<b>4.3</b>	820	1.2	213.48	<b>2KJ1403 - ■DB13 - ■■P1</b>	<b>P01</b>	47

★ 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 <i>P</i> <sub>Motor</sub> kW	Output speed <i>n</i> <sub>2</sub> (50 Hz) rpm	Output torque <i>T</i> <sub>2</sub> Nm	Service factor <i>f</i> <sub>B</sub>	Gearbox ratio <i>i</i> <sub>tot</sub>	Order No.	Order code (No. of poles)	Weight *) kg
<b>0.37</b>							
	<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

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 *) kg
<b>0.55</b>							
	<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
	<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
	<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
	<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
	<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
	<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
	<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
	<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

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 *) kg
<b>0.55</b>							
	<b>FD.108B-LA90LA8</b>						
	<b>1.6</b>	3 303	1.0	424.49 ★	<b>2KJ1405 - ■EE13 - ■■V1</b>	<b>P02</b>	131
	<b>1.8</b>	2 979	1.1	382.79	<b>2KJ1405 - ■EE13 - ■■U1</b>	<b>P02</b>	131
	<b>2.0</b>	2 686	1.3	345.19 ★	<b>2KJ1405 - ■EE13 - ■■T1</b>	<b>P02</b>	131
	<b>FD.108B-LA80M6</b>						
	<b>2.1</b>	2 450	1.4	424.49 ★	<b>2KJ1405 - ■DC13 - ■■V1</b>	<b>P01</b>	125
	<b>2.4</b>	2 209	1.5	382.79	<b>2KJ1405 - ■DC13 - ■■U1</b>	<b>P01</b>	125
	<b>2.6</b>	1 992	1.7	345.19 ★	<b>2KJ1405 - ■DC13 - ■■T1</b>	<b>P01</b>	125
	<b>3.0</b>	1 742	2.0	301.88	<b>2KJ1405 - ■DC13 - ■■S1</b>	<b>P01</b>	125
	<b>FD.88B-LA80M6</b>						
	<b>2.2</b>	2 337	0.81	404.92	<b>2KJ1404 - ■DC13 - ■■V1</b>	<b>P01</b>	78
	<b>2.5</b>	2 068	0.92	358.33 ★	<b>2KJ1404 - ■DC13 - ■■U1</b>	<b>P01</b>	78
	<b>2.8</b>	1 880	1.0	325.76	<b>2KJ1404 - ■DC13 - ■■T1</b>	<b>P01</b>	78
	<b>3.1</b>	1 689	1.1	292.64 ★	<b>2KJ1404 - ■DC13 - ■■S1</b>	<b>P01</b>	78
	<b>FD.88B-LA71ZMP4</b>						
	<b>3.4</b>	1 552	1.2	404.92	<b>2KJ1404 - ■CG13 - ■■V1</b>		74
	<b>3.8</b>	1 374	1.4	358.33 ★	<b>2KJ1404 - ■CG13 - ■■U1</b>		74
	<b>4.2</b>	1 249	1.5	325.76	<b>2KJ1404 - ■CG13 - ■■T1</b>		74
	<b>4.7</b>	1 122	1.7	292.64 ★	<b>2KJ1404 - ■CG13 - ■■S1</b>		74
	<b>5.5</b>	962	2.0	250.83	<b>2KJ1404 - ■CG13 - ■■R1</b>		74
	<b>FD.68B-LA80M6</b>						
	<b>4.3</b>	1 232	0.81	213.48	<b>2KJ1403 - ■DC13 - ■■P1</b>	<b>P01</b>	47
	<b>FD.68B-LA71ZMP4</b>						
	<b>4.6</b>	1 136	0.88	296.18 ★	<b>2KJ1403 - ■CG13 - ■■S1</b>		43
	<b>5.2</b>	1 010	0.99	263.39	<b>2KJ1403 - ■CG13 - ■■R1</b>		43
	<b>6.0</b>	876	1.1	228.48 ★	<b>2KJ1403 - ■CG13 - ■■Q1</b>		43
	<b>6.4</b>	818	1.2	213.48	<b>2KJ1403 - ■CG13 - ■■P1</b>		43
	<b>7.3</b>	720	1.4	187.76 ★	<b>2KJ1403 - ■CG13 - ■■N1</b>		43
	<b>8.3</b>	630	1.6	164.44	<b>2KJ1403 - ■CG13 - ■■M1</b>		43
	<b>9.4</b>	558	1.8	145.44 ★	<b>2KJ1403 - ■CG13 - ■■L1</b>		43
	<b>10.4</b>	505	2.0	131.82	<b>2KJ1403 - ■CG13 - ■■K1</b>		43
	<b>11.8</b>	446	2.2	116.36 ★	<b>2KJ1403 - ■CG13 - ■■J1</b>		43
	<b>FD.48B-LA71ZMP4</b>						
	<b>8.2</b>	637	0.85	166.19 ★	<b>2KJ1402 - ■CG13 - ■■N1</b>		27
	<b>9.4</b>	558	0.97	145.63	<b>2KJ1402 - ■CG13 - ■■M1</b>		27
	<b>10.7</b>	491	1.1	128.04 ★	<b>2KJ1402 - ■CG13 - ■■L1</b>		27
	<b>11.8</b>	444	1.2	115.68	<b>2KJ1402 - ■CG13 - ■■K1</b>		27
	<b>13.6</b>	386	1.4	100.8 ★	<b>2KJ1402 - ■CG13 - ■■J1</b>		27
	<b>15.1</b>	347	1.6	90.53	<b>2KJ1402 - ■CG13 - ■■H1</b>		27
	<b>16.8</b>	313	1.7	81.73 ★	<b>2KJ1402 - ■CG13 - ■■G1</b>		27
	<b>18.5</b>	284	1.9	74.1	<b>2KJ1402 - ■CG13 - ■■F1</b>		27
	<b>20</b>	259	2.1	67.43 ★	<b>2KJ1402 - ■CG13 - ■■E1</b>		27
	<b>23</b>	229	2.4	59.62	<b>2KJ1402 - ■CG13 - ■■D1</b>		27

★ 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 *) kg
<b>0.55</b>							
	<b>FZ.48B-LA71ZMP4</b>						
	<b>23</b>	233	1.7	60.71	★ 2KJ1302 - ■CG13 - ■■B2		27
	<b>25</b>	212	2.4	55.19	2KJ1302 - ■CG13 - ■■A2		27
	<b>FD.38B-LA71ZMP4</b>						
	<b>14.7</b>	358	0.81	93.46	★ 2KJ1401 - ■CG13 - ■■E1		20
	<b>16.9</b>	311	0.93	81.22	2KJ1401 - ■CG13 - ■■D1		20
	<b>19.4</b>	271	1.1	70.7	★ 2KJ1401 - ■CG13 - ■■C1		20
	<b>22</b>	244	1.2	63.77	2KJ1401 - ■CG13 - ■■B1		20
	<b>24</b>	216	1.3	56.28	2KJ1401 - ■CG13 - ■■A1		20
	<b>FZ.38B-LA71ZMP4</b>						
	<b>24</b>	217	0.97	56.72	★ 2KJ1301 - ■CG13 - ■■B2		19
	<b>27</b>	193	1.2	50.44	2KJ1301 - ■CG13 - ■■A2		19
	<b>31</b>	168	1.5	43.75	★ 2KJ1301 - ■CG13 - ■■X1		19
	<b>34</b>	157	1.8	40.88	2KJ1301 - ■CG13 - ■■W1		19
	<b>38</b>	138	2.1	35.96	★ 2KJ1301 - ■CG13 - ■■V1		19
	<b>44</b>	121	2.4	31.49	2KJ1301 - ■CG13 - ■■U1		19
	<b>49</b>	107	2.7	27.85	★ 2KJ1301 - ■CG13 - ■■T1		19
	<b>FZ.28-LA71ZMP4</b>						
	<b>31</b>	171	0.88	44.66	2KJ1300 - ■CG13 - ■■A2		11
	<b>35</b>	150	1.0	39.15	★ 2KJ1300 - ■CG13 - ■■X1		11
	<b>39</b>	134	1.1	35.04	2KJ1300 - ■CG13 - ■■W1		11
	<b>44</b>	119	1.3	31.1	★ 2KJ1300 - ■CG13 - ■■V1		11
	<b>50</b>	104	1.4	27.25	2KJ1300 - ■CG13 - ■■U1		11
	<b>57</b>	92	1.6	23.96	★ 2KJ1300 - ■CG13 - ■■T1		11
	<b>63</b>	83	1.8	21.64	2KJ1300 - ■CG13 - ■■S1		11
	<b>73</b>	72	2.1	18.86	★ 2KJ1300 - ■CG13 - ■■R1		11
	<b>81</b>	65	2.3	16.94	2KJ1300 - ■CG13 - ■■Q1		11
	<b>90</b>	59	2.6	15.29	★ 2KJ1300 - ■CG13 - ■■P1		11
	<b>99</b>	53	2.8	13.87	2KJ1300 - ■CG13 - ■■N1		11
	<b>109</b>	48	3.1	12.62	★ 2KJ1300 - ■CG13 - ■■M1		11
	<b>123</b>	43	3.3	11.16	2KJ1300 - ■CG13 - ■■L1		11
	<b>133</b>	40	3.5	10.3	★ 2KJ1300 - ■CG13 - ■■K1		11
	<b>154</b>	34	3.9	8.87	2KJ1300 - ■CG13 - ■■J1		11
	<b>170</b>	31	4.1	8.06	★ 2KJ1300 - ■CG13 - ■■H1		11
<b>0.75</b>							
	<b>FD.188B-Z48-LA80ZMB4E</b>						
	<b>0.28</b>	22 934	0.87	5 021	2KJ1438 - ■DE13 - ■■L1		642
	<b>0.31</b>	20 892	0.96	4 574	★ 2KJ1438 - ■DE13 - ■■K1		642
	<b>0.33</b>	19 138	1.0	4 190	2KJ1438 - ■DE13 - ■■J1		642
	<b>0.37</b>	17 078	1.2	3 739	★ 2KJ1438 - ■DE13 - ■■H1		642
	<b>0.42</b>	15 242	1.3	3 337	2KJ1438 - ■DE13 - ■■G1		642
	<b>0.49</b>	12 945	1.5	2 834	2KJ1438 - ■DE13 - ■■F1		642
	<b>0.59</b>	10 775	1.9	2 359	★ 2KJ1438 - ■DE13 - ■■E1		642
	<b>0.60</b>	10 606	1.9	2 322	★ 2KJ1438 - ■DE13 - ■■D1		642

★ Preferred transmission ratio

Shaft designs, see page 3/89

1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20

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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 <i>P</i> <sub>Motor</sub> kW	Output speed <i>n</i> <sub>2</sub> (50 Hz) rpm	Output torque <i>T</i> <sub>2</sub> Nm	Service factor <i>f</i> <sub>B</sub>	Gearbox ratio <i>i</i> <sub>tot</sub>	Order No.	Order code (No. of poles)	Weight *) kg
<b>0.75</b>							
	<b>FD.168B-Z48-LA80ZMB4E</b>						
	<b>0.37</b>	17 471	0.80	3 825	<b>2KJ1435 - ■■■DE13 - ■■■J1</b>		458
	<b>0.41</b>	15 589	0.90	3 413	★ <b>2KJ1435 - ■■■DE13 - ■■■H1</b>		458
	<b>0.46</b>	13 913	1.0	3 046	<b>2KJ1435 - ■■■DE13 - ■■■G1</b>		458
	<b>0.54</b>	11 816	1.2	2 587	<b>2KJ1435 - ■■■DE13 - ■■■F1</b>		458
	<b>0.65</b>	9 834	1.4	2 153	★ <b>2KJ1435 - ■■■DE13 - ■■■E1</b>		458
	<b>0.66</b>	9 679	1.4	2 119	★ <b>2KJ1435 - ■■■DE13 - ■■■D1</b>		458
	<b>0.74</b>	8 637	1.6	1 891	<b>2KJ1435 - ■■■DE13 - ■■■C1</b>		458
	<b>0.87</b>	7 336	1.9	1 606	<b>2KJ1435 - ■■■DE13 - ■■■B1</b>		458
	<b>FD.148B-Z38-LA80ZMB4E</b>						
	<b>0.57</b>	11 273	0.80	2 468	<b>2KJ1432 - ■■■DE13 - ■■■D1</b>		291
	<b>0.62</b>	10 350	0.87	2 266	★ <b>2KJ1432 - ■■■DE13 - ■■■C1</b>		291
	<b>0.68</b>	9 332	0.96	2 043	<b>2KJ1432 - ■■■DE13 - ■■■B1</b>		291
	<b>0.80</b>	8 025	1.1	1 757	★ <b>2KJ1432 - ■■■DE13 - ■■■A1</b>		291
	<b>FD.148B-Z48-LA80ZMB4E</b>						
	<b>0.86</b>	7 464	1.2	1 634	<b>2KJ1434 - ■■■DE13 - ■■■K1</b>		300
	<b>0.94</b>	6 801	1.3	1 489	★ <b>2KJ1434 - ■■■DE13 - ■■■J1</b>		300
	<b>1.0</b>	6 230	1.4	1 364	<b>2KJ1434 - ■■■DE13 - ■■■H1</b>		300
	<b>1.2</b>	5 559	1.6	1 217	★ <b>2KJ1434 - ■■■DE13 - ■■■G1</b>		300
	<b>1.3</b>	4 960	1.8	1 086	<b>2KJ1434 - ■■■DE13 - ■■■F1</b>		300
	<b>FD.148B-LA100LA8</b>						
	<b>1.5</b>	4 732	1.9	449.21	★ <b>2KJ1407 - ■■■FB13 - ■■■U1</b>	<b>P02</b>	316
	<b>FD.128B-Z48-LA80ZMB4E</b>						
	<b>0.93</b>	6 870	0.89	1 504	<b>2KJ1431 - ■■■DE13 - ■■■L1</b>		210
	<b>1.0</b>	6 258	0.97	1 370	★ <b>2KJ1431 - ■■■DE13 - ■■■K1</b>		210
	<b>1.1</b>	5 732	1.1	1 255	<b>2KJ1431 - ■■■DE13 - ■■■J1</b>		210
	<b>1.2</b>	5 116	1.2	1 120	★ <b>2KJ1431 - ■■■DE13 - ■■■H1</b>		210
	<b>1.4</b>	4 563	1.3	999	<b>2KJ1431 - ■■■DE13 - ■■■G1</b>		210
	<b>FD.128B-LA100LA8</b>						
	<b>1.9</b>	3 739	1.6	354.99	<b>2KJ1406 - ■■■FB13 - ■■■T1</b>	<b>P02</b>	220
	<b>FD.128B-LA90SB6E</b>						
	<b>2.1</b>	3 469	1.8	447.96	<b>2KJ1406 - ■■■ED13 - ■■■V1</b>	<b>P01</b>	209
	<b>2.3</b>	3 140	1.9	405.47	★ <b>2KJ1406 - ■■■ED13 - ■■■U1</b>	<b>P01</b>	209
	<b>FD.108B-LA90SB6E</b>						
	<b>2.2</b>	3 287	1.0	424.49	★ <b>2KJ1405 - ■■■ED13 - ■■■V1</b>	<b>P01</b>	128
	<b>2.4</b>	2 964	1.1	382.79	<b>2KJ1405 - ■■■ED13 - ■■■U1</b>	<b>P01</b>	128
	<b>2.7</b>	2 673	1.3	345.19	★ <b>2KJ1405 - ■■■ED13 - ■■■T1</b>	<b>P01</b>	128
	<b>3.1</b>	2 338	1.5	301.88	<b>2KJ1405 - ■■■ED13 - ■■■S1</b>	<b>P01</b>	128
	<b>FD.108B-LA80ZMB4E</b>						
	<b>3.3</b>	2 172	1.6	424.49	★ <b>2KJ1405 - ■■■DE13 - ■■■V1</b>		125
	<b>3.7</b>	1 958	1.7	382.79	<b>2KJ1405 - ■■■DE13 - ■■■U1</b>		125
	<b>4.1</b>	1 766	1.9	345.19	★ <b>2KJ1405 - ■■■DE13 - ■■■T1</b>		125
	<b>FD.88B-LA90SB6E</b>						
	<b>3.2</b>	2 266	0.84	292.64	★ <b>2KJ1404 - ■■■ED13 - ■■■S1</b>	<b>P01</b>	81

★ 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 *) kg
<b>0.75</b>							
	<b>FD.88B-LA80ZMB4E</b>						
	<b>3.5</b>	2 072	0.92	404.92	<b>2KJ1404 - ■■■DE13 - ■■■V1</b>		78
	<b>3.9</b>	1 833	1.0	358.33	★ <b>2KJ1404 - ■■■DE13 - ■■■U1</b>		78
	<b>4.3</b>	1 667	1.1	325.76	<b>2KJ1404 - ■■■DE13 - ■■■T1</b>		78
	<b>4.8</b>	1 497	1.3	292.64	★ <b>2KJ1404 - ■■■DE13 - ■■■S1</b>		78
	<b>5.6</b>	1 283	1.5	250.83	<b>2KJ1404 - ■■■DE13 - ■■■R1</b>		78
	<b>6.2</b>	1 161	1.6	226.94	★ <b>2KJ1404 - ■■■DE13 - ■■■P1</b>		78
	<b>6.7</b>	1 072	1.8	209.49	<b>2KJ1404 - ■■■DE13 - ■■■N1</b>		78
	<b>7.7</b>	932	2.0	182.15	★ <b>2KJ1404 - ■■■DE13 - ■■■M1</b>		78
	<b>FD.68B-LA80ZMB4E</b>						
	<b>6.1</b>	1169	0.86	228.48	★ <b>2KJ1403 - ■■■DE13 - ■■■Q1</b>		47
	<b>6.6</b>	1092	0.92	213.48	<b>2KJ1403 - ■■■DE13 - ■■■P1</b>		47
	<b>7.5</b>	961	1.0	187.76	★ <b>2KJ1403 - ■■■DE13 - ■■■N1</b>		47
	<b>8.5</b>	841	1.2	164.44	<b>2KJ1403 - ■■■DE13 - ■■■M1</b>		47
	<b>9.6</b>	744	1.3	145.44	★ <b>2KJ1403 - ■■■DE13 - ■■■L1</b>		47
	<b>10.6</b>	674	1.5	131.82	<b>2KJ1403 - ■■■DE13 - ■■■K1</b>		47
	<b>12.0</b>	595	1.7	116.36	★ <b>2KJ1403 - ■■■DE13 - ■■■J1</b>		47
	<b>13.3</b>	537	1.9	104.96	<b>2KJ1403 - ■■■DE13 - ■■■H1</b>		47
	<b>14.7</b>	487	2.1	95.2	★ <b>2KJ1403 - ■■■DE13 - ■■■G1</b>		47
	<b>16.1</b>	444	2.3	86.74	<b>2KJ1403 - ■■■DE13 - ■■■F1</b>		47
	<b>FD.48B-LA80ZMB4E</b>						
	<b>10.9</b>	655	0.82	128.04	★ <b>2KJ1402 - ■■■DE13 - ■■■L1</b>		31
	<b>12.1</b>	592	0.91	115.68	<b>2KJ1402 - ■■■DE13 - ■■■K1</b>		31
	<b>13.9</b>	516	1.0	100.8	★ <b>2KJ1402 - ■■■DE13 - ■■■J1</b>		31
	<b>15.5</b>	463	1.2	90.53	<b>2KJ1402 - ■■■DE13 - ■■■H1</b>		31
	<b>17.1</b>	418	1.3	81.73	★ <b>2KJ1402 - ■■■DE13 - ■■■G1</b>		31
	<b>18.9</b>	379	1.4	74.1	<b>2KJ1402 - ■■■DE13 - ■■■F1</b>		31
	<b>21</b>	345	1.6	67.43	★ <b>2KJ1402 - ■■■DE13 - ■■■E1</b>		31
	<b>24</b>	305	1.8	59.62	<b>2KJ1402 - ■■■DE13 - ■■■D1</b>		31
	<b>25</b>	282	1.9	55.06	★ <b>2KJ1402 - ■■■DE13 - ■■■C1</b>		31
	<b>30</b>	243	2.2	47.4	<b>2KJ1402 - ■■■DE13 - ■■■B1</b>		31
	<b>32</b>	220	2.4	43.09	★ <b>2KJ1402 - ■■■DE13 - ■■■A1</b>		31
	<b>FZ.48B-LA80ZMB4E</b>						
	<b>23</b>	311	1.3	60.71	★ <b>2KJ1302 - ■■■DE13 - ■■■B2</b>		31
	<b>25</b>	282	1.8	55.19	<b>2KJ1302 - ■■■DE13 - ■■■A2</b>		31
	<b>28</b>	254	2.1	49.58	★ <b>2KJ1302 - ■■■DE13 - ■■■X1</b>		31
	<b>33</b>	217	2.5	42.5	<b>2KJ1302 - ■■■DE13 - ■■■W1</b>		31
	<b>FD.38B-LA80ZMB4E</b>						
	<b>19.8</b>	362	0.80	70.7	★ <b>2KJ1401 - ■■■DE13 - ■■■C1</b>		24
	<b>22</b>	326	0.89	63.77	<b>2KJ1401 - ■■■DE13 - ■■■B1</b>		24
	<b>25</b>	288	1.0	56.28	<b>2KJ1401 - ■■■DE13 - ■■■A1</b>		24
	<b>FZ.38B-LA80ZMB4E</b>						
	<b>28</b>	258	0.89	50.44	<b>2KJ1301 - ■■■DE13 - ■■■A2</b>		23
	<b>32</b>	224	1.1	43.75	★ <b>2KJ1301 - ■■■DE13 - ■■■X1</b>		23

★ 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 *) kg
<b>0.75</b>							
	<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
<b>1.1</b>							
	<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

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 *) kg
<b>1.1</b>							
	<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

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 *) kg
<b>1.1</b>							
	<b>FD.88B-LA90SB4E</b>						
	<b>6.3</b>	1 656	1.1	226.94	★ 2KJ1404 - ■■■EM13 - ■■■P1		81
	<b>6.9</b>	1 528	1.2	209.49	2KJ1404 - ■■■EM13 - ■■■N1		81
	<b>7.9</b>	1 329	1.4	182.15	★ 2KJ1404 - ■■■EM13 - ■■■M1		81
	<b>8.7</b>	1 206	1.6	165.38	2KJ1404 - ■■■EM13 - ■■■L1		81
	<b>9.5</b>	1 102	1.7	151.01	★ 2KJ1404 - ■■■EM13 - ■■■K1		81
	<b>10.4</b>	1 011	1.9	138.56	2KJ1404 - ■■■EM13 - ■■■J1		81
	<b>11.3</b>	931	2.0	127.66	★ 2KJ1404 - ■■■EM13 - ■■■H1		81
	<b>12.4</b>	846	2.2	115.93	2KJ1404 - ■■■EM13 - ■■■G1		81
	<b>FD.68B-LA90SB4E</b>						
	<b>8.8</b>	1 200	0.83	164.44	2KJ1403 - ■■■EM13 - ■■■M1		50
	<b>9.9</b>	1 061	0.94	145.44	★ 2KJ1403 - ■■■EM13 - ■■■L1		50
	<b>10.9</b>	962	1.0	131.82	2KJ1403 - ■■■EM13 - ■■■K1		50
	<b>12.4</b>	849	1.2	116.36	★ 2KJ1403 - ■■■EM13 - ■■■J1		50
	<b>13.7</b>	766	1.3	104.96	2KJ1403 - ■■■EM13 - ■■■H1		50
	<b>15.1</b>	694	1.4	95.2	★ 2KJ1403 - ■■■EM13 - ■■■G1		50
	<b>16.6</b>	633	1.6	86.74	2KJ1403 - ■■■EM13 - ■■■F1		50
	<b>18.2</b>	579	1.7	79.33	★ 2KJ1403 - ■■■EM13 - ■■■E1		50
	<b>20</b>	517	1.9	70.93	2KJ1403 - ■■■EM13 - ■■■D1		50
	<b>22</b>	475	2.1	65.14	★ 2KJ1403 - ■■■EM13 - ■■■C1		50
	<b>24</b>	428	2.3	58.71	2KJ1403 - ■■■EM13 - ■■■B1		50
	<b>FZ.68B-LA90SB4E</b>						
	<b>24</b>	446	1.9	61.17	★ 2KJ1303 - ■■■EM13 - ■■■B2		49
	<b>FD.48B-LA90SB4E</b>						
	<b>15.9</b>	660	0.82	90.53	2KJ1402 - ■■■EM13 - ■■■H1		34
	<b>17.6</b>	596	0.91	81.73	★ 2KJ1402 - ■■■EM13 - ■■■G1		34
	<b>19.4</b>	541	1.0	74.1	2KJ1402 - ■■■EM13 - ■■■F1		34
	<b>21</b>	492	1.1	67.43	★ 2KJ1402 - ■■■EM13 - ■■■E1		34
	<b>24</b>	435	1.2	59.62	2KJ1402 - ■■■EM13 - ■■■D1		34
	<b>26</b>	402	1.3	55.06	★ 2KJ1402 - ■■■EM13 - ■■■C1		34
	<b>30</b>	346	1.6	47.4	2KJ1402 - ■■■EM13 - ■■■B1		34
	<b>33</b>	314	1.7	43.09	★ 2KJ1402 - ■■■EM13 - ■■■A1		34
	<b>FZ.48B-LA90SB4E</b>						
	<b>24</b>	443	0.90	60.71	★ 2KJ1302 - ■■■EM13 - ■■■B2		34
	<b>26</b>	403	1.2	55.19	2KJ1302 - ■■■EM13 - ■■■A2		34
	<b>29</b>	362	1.5	49.58	★ 2KJ1302 - ■■■EM13 - ■■■X1		34
	<b>34</b>	310	1.7	42.5	2KJ1302 - ■■■EM13 - ■■■W1		34
	<b>38</b>	280	1.9	38.45	★ 2KJ1302 - ■■■EM13 - ■■■V1		34
	<b>41</b>	259	2.1	35.49	2KJ1302 - ■■■EM13 - ■■■U1		34
	<b>47</b>	225	2.4	30.86	★ 2KJ1302 - ■■■EM13 - ■■■T1		34
	<b>51</b>	204	2.6	28.02	2KJ1302 - ■■■EM13 - ■■■S1		34
	<b>56</b>	187	2.9	25.59	★ 2KJ1302 - ■■■EM13 - ■■■R1		34
	<b>FZ.38B-LA90SB4E</b>						
	<b>35</b>	298	0.92	40.88	2KJ1301 - ■■■EM13 - ■■■W1		26

★ 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 *) kg
<b>1.1</b>							
	<b>FZ.38B-LA90SB4E</b>						
	<b>40</b>	262	1.1	35.96	★ 2KJ1301 - ■ EM13 - ■■ V1		26
	<b>46</b>	230	1.3	31.49	2KJ1301 - ■ EM13 - ■■ U1		26
	<b>52</b>	203	1.4	27.85	★ 2KJ1301 - ■ EM13 - ■■ T1		26
	<b>57</b>	184	1.6	25.24	2KJ1301 - ■ EM13 - ■■ S1		26
	<b>65</b>	163	1.8	22.28	★ 2KJ1301 - ■ EM13 - ■■ R1		26
	<b>72</b>	147	2.0	20.1	2KJ1301 - ■ EM13 - ■■ Q1		26
	<b>79</b>	133	2.2	18.23	★ 2KJ1301 - ■ EM13 - ■■ P1		26
	<b>87</b>	121	2.4	16.61	2KJ1301 - ■ EM13 - ■■ N1		26
	<b>95</b>	111	2.6	15.19	★ 2KJ1301 - ■ EM13 - ■■ M1		26
	<b>106</b>	99	2.9	13.58	2KJ1301 - ■ EM13 - ■■ L1		26
	<b>115</b>	91	3.2	12.47	★ 2KJ1301 - ■ EM13 - ■■ K1		26
	<b>128</b>	82	3.5	11.24	2KJ1301 - ■ EM13 - ■■ J1		26
	<b>FZ.28-LA90SB4E</b>						
	<b>60</b>	175	0.86	23.96	★ 2KJ1300 - ■ EM13 - ■■ T1		18
	<b>66</b>	158	0.95	21.64	2KJ1300 - ■ EM13 - ■■ S1		18
	<b>76</b>	138	1.1	18.86	★ 2KJ1300 - ■ EM13 - ■■ R1		18
	<b>85</b>	124	1.2	16.94	2KJ1300 - ■ EM13 - ■■ Q1		18
	<b>94</b>	112	1.3	15.29	★ 2KJ1300 - ■ EM13 - ■■ P1		18
	<b>104</b>	101	1.5	13.87	2KJ1300 - ■ EM13 - ■■ N1		18
	<b>114</b>	92	1.6	12.62	★ 2KJ1300 - ■ EM13 - ■■ M1		18
	<b>129</b>	81	1.7	11.16	2KJ1300 - ■ EM13 - ■■ L1		18
	<b>140</b>	75	1.8	10.3	★ 2KJ1300 - ■ EM13 - ■■ K1		18
	<b>162</b>	65	2.0	8.87	2KJ1300 - ■ EM13 - ■■ J1		18
	<b>179</b>	59	2.2	8.06	★ 2KJ1300 - ■ EM13 - ■■ H1		18
	<b>200</b>	52	2.4	7.2	★ 2KJ1300 - ■ EM13 - ■■ G1		18
	<b>221</b>	48	2.6	6.53	2KJ1300 - ■ EM13 - ■■ F1		18
	<b>242</b>	43	2.7	5.94	★ 2KJ1300 - ■ EM13 - ■■ E1		18
	<b>274</b>	38	2.9	5.25	2KJ1300 - ■ EM13 - ■■ D1		18
	<b>297</b>	35	3.1	4.85	★ 2KJ1300 - ■ EM13 - ■■ C1		18
	<b>344</b>	30	3.2	4.18	2KJ1300 - ■ EM13 - ■■ B1		18
	<b>379</b>	28	3.5	3.8	★ 2KJ1300 - ■ EM13 - ■■ A1		18
<b>1.5</b>							
	<b>FD.188B-Z48-LA90ZLB4E</b>						
	<b>0.61</b>	21 388	0.94	2 359	★ 2KJ1438 - ■ EQ13 - ■■ E1		648
	<b>0.62</b>	21 052	0.95	2 322	★ 2KJ1438 - ■ EQ13 - ■■ D1		648
	<b>0.70</b>	18 786	1.1	2 072	2KJ1438 - ■ EQ13 - ■■ C1		648
	<b>0.82</b>	15 957	1.3	1 760	2KJ1438 - ■ EQ13 - ■■ B1		648
	<b>0.98</b>	13 282	1.5	1 465	★ 2KJ1438 - ■ EQ13 - ■■ A1		648
	<b>FD.188B-Z68-LA90ZLB4E</b>						
	<b>0.99</b>	13 137	1.5	1 449	2KJ1441 - ■ EQ13 - ■■ H1		665
	<b>1.2</b>	11 206	1.8	1 236	★ 2KJ1441 - ■ EQ13 - ■■ G1		665
	<b>FD.168B-Z48-LA90ZLB4E</b>						
	<b>0.76</b>	17 145	0.82	1 891	2KJ1435 - ■ EQ13 - ■■ C1		464
	<b>0.90</b>	14 561	0.96	1 606	2KJ1435 - ■ EQ13 - ■■ B1		464

★ 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 *) kg
<b>1.5</b>							
	<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

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 *) kg
<b>1.5</b>							
	<b>FD.88B-LA90ZLB4E</b>						
	<b>11.3</b>	1 270	1.5	127.66	★ 2KJ1404 - ■EQ13 - ■■H1		84
	<b>12.4</b>	1 153	1.6	115.93	2KJ1404 - ■EQ13 - ■■G1		84
	<b>13.6</b>	1 051	1.8	105.61	★ 2KJ1404 - ■EQ13 - ■■F1		84
	<b>14.9</b>	962	2.0	96.75	2KJ1404 - ■EQ13 - ■■E1		84
	<b>16.7</b>	859	2.2	86.33	★ 2KJ1404 - ■EQ13 - ■■D1		84
	<b>FD.68B-LA90ZLB4E</b>						
	<b>12.4</b>	1 158	0.86	116.36	★ 2KJ1403 - ■EQ13 - ■■J1		53
	<b>13.7</b>	1 044	0.96	104.96	2KJ1403 - ■EQ13 - ■■H1		53
	<b>15.1</b>	947	1.1	95.2	★ 2KJ1403 - ■EQ13 - ■■G1		53
	<b>16.6</b>	863	1.2	86.74	2KJ1403 - ■EQ13 - ■■F1		53
	<b>18.2</b>	789	1.3	79.33	★ 2KJ1403 - ■EQ13 - ■■E1		53
	<b>20</b>	706	1.4	70.93	2KJ1403 - ■EQ13 - ■■D1		53
	<b>22</b>	648	1.5	65.14	★ 2KJ1403 - ■EQ13 - ■■C1		53
	<b>24</b>	584	1.7	58.71	2KJ1403 - ■EQ13 - ■■B1		53
	<b>28</b>	502	2.0	50.48	★ 2KJ1403 - ■EQ13 - ■■A1		53
	<b>FZ.68B-LA90ZLB4E</b>						
	<b>24</b>	609	1.4	61.17	★ 2KJ1303 - ■EQ13 - ■■B2		52
	<b>27</b>	532	1.9	53.5	2KJ1303 - ■EQ13 - ■■A2		52
	<b>30</b>	478	2.1	48.03	★ 2KJ1303 - ■EQ13 - ■■X1		52
	<b>33</b>	436	2.3	43.87	2KJ1303 - ■EQ13 - ■■V1		52
	<b>37</b>	387	2.6	38.93	★ 2KJ1303 - ■EQ13 - ■■U1		52
	<b>FD.48B-LA90ZLB4E</b>						
	<b>21</b>	671	0.81	67.43	★ 2KJ1402 - ■EQ13 - ■■E1		37
	<b>24</b>	593	0.91	59.62	2KJ1402 - ■EQ13 - ■■D1		37
	<b>26</b>	548	0.99	55.06	★ 2KJ1402 - ■EQ13 - ■■C1		37
	<b>30</b>	472	1.1	47.4	2KJ1402 - ■EQ13 - ■■B1		37
	<b>33</b>	429	1.3	43.09	★ 2KJ1402 - ■EQ13 - ■■A1		37
	<b>FZ.48B-LA90ZLB4E</b>						
	<b>26</b>	549	0.91	55.19	2KJ1302 - ■EQ13 - ■■A2		37
	<b>29</b>	493	1.1	49.58	★ 2KJ1302 - ■EQ13 - ■■X1		37
	<b>34</b>	423	1.3	42.5	2KJ1302 - ■EQ13 - ■■W1		37
	<b>38</b>	382	1.4	38.45	★ 2KJ1302 - ■EQ13 - ■■V1		37
	<b>41</b>	353	1.5	35.49	2KJ1302 - ■EQ13 - ■■U1		37
	<b>47</b>	307	1.8	30.86	★ 2KJ1302 - ■EQ13 - ■■T1		37
	<b>51</b>	279	1.9	28.02	2KJ1302 - ■EQ13 - ■■S1		37
	<b>56</b>	255	2.1	25.59	★ 2KJ1302 - ■EQ13 - ■■R1		37
	<b>61</b>	234	2.3	23.48	2KJ1302 - ■EQ13 - ■■Q1		37
	<b>67</b>	215	2.5	21.63	★ 2KJ1302 - ■EQ13 - ■■P1		37
	<b>73</b>	195	2.8	19.64	2KJ1302 - ■EQ13 - ■■N1		37
	<b>80</b>	178	3.0	17.89	★ 2KJ1302 - ■EQ13 - ■■M1		37
	<b>88</b>	163	3.3	16.39	2KJ1302 - ■EQ13 - ■■L1		37

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

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

★ 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 *) kg
<b>2.2</b>							
	<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

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 *) kg
<b>2.2</b>							
	<b>FZ.68B-LA100ZLP4E</b>						
	<b>52</b>	405	2.5	27.68 ★	<b>2KJ1303 - ■FM13 - ■■Q1</b>		60
	<b>56</b>	376	2.7	25.69	<b>2KJ1303 - ■FM13 - ■■P1</b>		60
	<b>63</b>	332	3.0	22.67 ★	<b>2KJ1303 - ■FM13 - ■■N1</b>		60
	<b>FD.48B-LA100ZLP4E</b>						
	<b>33</b>	631	0.86	43.09 ★	<b>2KJ1402 - ■FM13 - ■■A1</b>		45
	<b>FZ.48B-LA100ZLP4E</b>						
	<b>34</b>	622	0.87	42.5	<b>2KJ1302 - ■FM13 - ■■W1</b>		45
	<b>37</b>	563	0.96	38.45 ★	<b>2KJ1302 - ■FM13 - ■■V1</b>		45
	<b>40</b>	520	1.0	35.49	<b>2KJ1302 - ■FM13 - ■■U1</b>		45
	<b>46</b>	452	1.2	30.86 ★	<b>2KJ1302 - ■FM13 - ■■T1</b>		45
	<b>51</b>	410	1.3	28.02	<b>2KJ1302 - ■FM13 - ■■S1</b>		45
	<b>56</b>	375	1.4	25.59 ★	<b>2KJ1302 - ■FM13 - ■■R1</b>		45
	<b>61</b>	344	1.6	23.48	<b>2KJ1302 - ■FM13 - ■■Q1</b>		45
	<b>66</b>	317	1.7	21.63 ★	<b>2KJ1302 - ■FM13 - ■■P1</b>		45
	<b>73</b>	288	1.9	19.64	<b>2KJ1302 - ■FM13 - ■■N1</b>		45
	<b>80</b>	262	2.1	17.89 ★	<b>2KJ1302 - ■FM13 - ■■M1</b>		45
	<b>88</b>	240	2.3	16.39	<b>2KJ1302 - ■FM13 - ■■L1</b>		45
	<b>98</b>	214	2.5	14.63 ★	<b>2KJ1302 - ■FM13 - ■■K1</b>		45
	<b>110</b>	191	2.8	13.05	<b>2KJ1302 - ■FM13 - ■■J1</b>		45
	<b>129</b>	162	3.3	11.09	<b>2KJ1302 - ■FM13 - ■■H1</b>		45
	<b>155</b>	135	3.9	9.23 ★	<b>2KJ1302 - ■FM13 - ■■G1</b>		45
	<b>171</b>	123	4.2	8.39 ★	<b>2KJ1302 - ■FM13 - ■■F1</b>		45
	<b>187</b>	112	4.2	7.68	<b>2KJ1302 - ■FM13 - ■■E1</b>		45
	<b>209</b>	100	4.4	6.86 ★	<b>2KJ1302 - ■FM13 - ■■D1</b>		45
	<b>234</b>	90	4.5	6.12	<b>2KJ1302 - ■FM13 - ■■C1</b>		45
	<b>331</b>	63	5.1	4.33 ★	<b>2KJ1302 - ■FM13 - ■■A1</b>		45
	<b>FZ.38B-LA100ZLP4E</b>						
	<b>64</b>	326	0.89	22.28 ★	<b>2KJ1301 - ■FM13 - ■■R1</b>		37
	<b>71</b>	294	0.99	20.1	<b>2KJ1301 - ■FM13 - ■■Q1</b>		37
	<b>79</b>	267	1.1	18.23 ★	<b>2KJ1301 - ■FM13 - ■■P1</b>		37
	<b>86</b>	243	1.2	16.61	<b>2KJ1301 - ■FM13 - ■■N1</b>		37
	<b>94</b>	222	1.3	15.19 ★	<b>2KJ1301 - ■FM13 - ■■M1</b>		37
	<b>106</b>	199	1.5	13.58	<b>2KJ1301 - ■FM13 - ■■L1</b>		37
	<b>115</b>	183	1.6	12.47 ★	<b>2KJ1301 - ■FM13 - ■■K1</b>		37
	<b>128</b>	165	1.8	11.24	<b>2KJ1301 - ■FM13 - ■■J1</b>		37
	<b>148</b>	142	2.0	9.67 ★	<b>2KJ1301 - ■FM13 - ■■H1</b>		37
	<b>168</b>	125	2.3	8.52 ★	<b>2KJ1301 - ■FM13 - ■■G1</b>		37
	<b>185</b>	114	2.6	7.76	<b>2KJ1301 - ■FM13 - ■■F1</b>		37
	<b>202</b>	104	2.8	7.1 ★	<b>2KJ1301 - ■FM13 - ■■E1</b>		37
	<b>226</b>	93	3.0	6.35	<b>2KJ1301 - ■FM13 - ■■D1</b>		37
	<b>246</b>	85	3.2	5.83 ★	<b>2KJ1301 - ■FM13 - ■■C1</b>		37
	<b>273</b>	77	3.3	5.25	<b>2KJ1301 - ■FM13 - ■■B1</b>		37
	<b>317</b>	66	3.4	4.52 ★	<b>2KJ1301 - ■FM13 - ■■A1</b>		37

★ 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 *) kg
<b>2.2</b>	<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
<b>3</b>	<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 *) kg
<b>22</b>							
	<b>FD.148B-LG180ZLB4E</b>						
	<b>20</b>	10 501	0.86	73.22	<b>2KJ1407 - ■ KP13 - ■■■ B1</b>		447
	<b>23</b>	9 025	1.0	62.93	<b>★ 2KJ1407 - ■ KP13 - ■■■ A1</b>		447
	<b>FZ.148B-LG180ZLB4E</b>						
	<b>27</b>	7 677	1.0	53.53	<b>★ 2KJ1307 - ■ KP13 - ■■■ S1</b>		439
	<b>29</b>	7 248	1.1	50.54	<b>2KJ1307 - ■ KP13 - ■■■ R1</b>		439
	<b>32</b>	6 507	1.3	45.37	<b>★ 2KJ1307 - ■ KP13 - ■■■ Q1</b>		439
	<b>35</b>	5 972	1.5	41.64	<b>2KJ1307 - ■ KP13 - ■■■ P1</b>		439
	<b>41</b>	5 153	1.7	35.93	<b>2KJ1307 - ■ KP13 - ■■■ N1</b>		439
	<b>47</b>	4 507	2.0	31.43	<b>2KJ1307 - ■ KP13 - ■■■ M1</b>		439
	<b>54</b>	3 921	2.3	27.34	<b>2KJ1307 - ■ KP13 - ■■■ L1</b>		439
	<b>61</b>	3 439	2.6	23.98	<b>★ 2KJ1307 - ■ KP13 - ■■■ K1</b>		439
	<b>72</b>	2 908	3.1	20.28	<b>★ 2KJ1307 - ■ KP13 - ■■■ J1</b>		439
	<b>FD.128B-LG180ZLB4E</b>						
	<b>28</b>	7 620	0.80	53.13	<b>★ 2KJ1406 - ■ KP13 - ■■■ A1</b>		351
	<b>FZ.128B-LG180ZLB4E</b>						
	<b>36</b>	5 878	0.97	40.99	<b>★ 2KJ1306 - ■ KP13 - ■■■ U1</b>		347
	<b>38</b>	5 544	1.1	38.66	<b>2KJ1306 - ■ KP13 - ■■■ T1</b>		347
	<b>42</b>	4 968	1.2	34.64	<b>★ 2KJ1306 - ■ KP13 - ■■■ S1</b>		347
	<b>46</b>	4 586	1.3	31.98	<b>2KJ1306 - ■ KP13 - ■■■ R1</b>		347
	<b>54</b>	3 919	1.6	27.33	<b>2KJ1306 - ■ KP13 - ■■■ Q1</b>		347
	<b>59</b>	3 542	1.7	24.7	<b>★ 2KJ1306 - ■ KP13 - ■■■ P1</b>		347
	<b>62</b>	3 413	1.8	23.8	<b>2KJ1306 - ■ KP13 - ■■■ N1</b>		347
	<b>71</b>	2 951	2.1	20.58	<b>2KJ1306 - ■ KP13 - ■■■ L1</b>		347
	<b>82</b>	2 574	2.4	17.95	<b>★ 2KJ1306 - ■ KP13 - ■■■ K1</b>		347
	<b>95</b>	2 203	2.7	15.36	<b>★ 2KJ1306 - ■ KP13 - ■■■ J1</b>		347
	<b>106</b>	1 973	2.9	13.76	<b>2KJ1306 - ■ KP13 - ■■■ H1</b>		347
	<b>126</b>	1 671	3.2	11.65	<b>★ 2KJ1306 - ■ KP13 - ■■■ G1</b>		347
	<b>145</b>	1 444	3.5	10.07	<b>2KJ1306 - ■ KP13 - ■■■ F1</b>		347
	<b>194</b>	1 086	4.2	7.57	<b>★ 2KJ1306 - ■ KP13 - ■■■ E1</b>		347
	<b>212</b>	991	3.6	6.91	<b>2KJ1306 - ■ KP13 - ■■■ D1</b>		347
	<b>250</b>	839	3.9	5.85	<b>★ 2KJ1306 - ■ KP13 - ■■■ C1</b>		347
	<b>290</b>	724	4.3	5.05	<b>2KJ1306 - ■ KP13 - ■■■ B1</b>		347
	<b>386</b>	545	5.0	3.8	<b>★ 2KJ1306 - ■ KP13 - ■■■ A1</b>		347
	<b>FZ.108B-LG180ZLB4E</b>						
	<b>57</b>	3 707	0.92	25.85	<b>2KJ1305 - ■ KP13 - ■■■ N1</b>		269
	<b>64</b>	3 271	1.0	22.81	<b>★ 2KJ1305 - ■ KP13 - ■■■ M1</b>		269
	<b>76</b>	2 784	1.2	19.41	<b>2KJ1305 - ■ KP13 - ■■■ L1</b>		269
	<b>87</b>	2 412	1.4	16.82	<b>★ 2KJ1305 - ■ KP13 - ■■■ K1</b>		269
	<b>103</b>	2 031	1.6	14.16	<b>★ 2KJ1305 - ■ KP13 - ■■■ J1</b>		269
	<b>115</b>	1 831	1.8	12.77	<b>2KJ1305 - ■ KP13 - ■■■ H1</b>		269
	<b>133</b>	1 575	2.0	10.98	<b>★ 2KJ1305 - ■ KP13 - ■■■ G1</b>		269
	<b>146</b>	1 440	2.3	10.04	<b>2KJ1305 - ■ KP13 - ■■■ F1</b>		269
	<b>168</b>	1 248	2.5	8.7	<b>★ 2KJ1305 - ■ KP13 - ■■■ E1</b>		269

★ 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 <i>P</i> <sub>Motor</sub> kW	Output speed <i>n</i> <sub>2</sub> (50 Hz) rpm	Output torque <i>T</i> <sub>2</sub> Nm	Service factor <i>f</i> <sub>B</sub>	Gearbox ratio <i>i</i> <sub>tot</sub>	Order No.	Order code (No. of poles)	Weight *) kg
<b>22</b>	<b>FZ.108B-LG180ZLB4E</b>						
	<b>200</b>	1 050	2.7	7.32	★ 2KJ1305 - ■ KP13 - ■ D1		269
	<b>222</b>	947	2.8	6.6	2KJ1305 - ■ KP13 - ■ C1		269
<b>30</b>	<b>258</b>	815	3.0	5.68	★ 2KJ1305 - ■ KP13 - ■ B1		269
	<b>FD.208-LG200LB4E</b>						
	<b>6.7</b>	42 449	0.80	218.54	2KJ1411 - ■ LM13 - ■ S1		1 255
	<b>7.2</b>	39 782	0.85	204.81	2KJ1411 - ■ LM13 - ■ R1		1 255
	<b>8.4</b>	34 170	1.0	175.92	★ 2KJ1411 - ■ LM13 - ■ Q1		1 255
	<b>9.7</b>	29 522	1.2	151.99	2KJ1411 - ■ LM13 - ■ P1		1 255
	<b>11.0</b>	26 059	1.3	134.16	2KJ1411 - ■ LM13 - ■ N1		1 255
	<b>12.2</b>	23 458	1.4	120.77	★ 2KJ1411 - ■ LM13 - ■ M1		1 255
	<b>14.7</b>	19 465	1.7	100.21	★ 2KJ1411 - ■ LM13 - ■ L1		1 255
<b>30</b>	<b>16.1</b>	17 749	1.9	91.38	2KJ1411 - ■ LM13 - ■ K1		1 255
	<b>18.4</b>	15 572	2.2	80.17	★ 2KJ1411 - ■ LM13 - ■ J1		1 255
	<b>FD.188B-LG200LB4E</b>						
	<b>11.6</b>	24 682	0.81	127.07	2KJ1410 - ■ LM13 - ■ G1		840
	<b>13.2</b>	21 656	0.92	111.49	★ 2KJ1410 - ■ LM13 - ■ F1		840
	<b>15.6</b>	18 313	1.1	94.28	★ 2KJ1410 - ■ LM13 - ■ E1		840
	<b>17.2</b>	16 615	1.2	85.54	2KJ1410 - ■ LM13 - ■ D1		840
	<b>19.8</b>	14 486	1.4	74.58	★ 2KJ1410 - ■ LM13 - ■ C1		840
	<b>23</b>	12 299	1.6	63.32	2KJ1410 - ■ LM13 - ■ B1		840
<b>30</b>	<b>30</b>	9 413	2.1	48.46	★ 2KJ1410 - ■ LM13 - ■ A1		840
	<b>FZ.188B-LG200LB4E</b>						
	<b>28</b>	10 223	1.6	52.63	2KJ1310 - ■ LM13 - ■ P1		817
	<b>30</b>	9 415	1.8	48.47	2KJ1310 - ■ LM13 - ■ N1		817
	<b>35</b>	8 172	2.1	42.07	★ 2KJ1310 - ■ LM13 - ■ M1		817
	<b>40</b>	7 202	2.4	37.08	2KJ1310 - ■ LM13 - ■ L1		817
	<b>FD.168B-LG200LB4E</b>						
	<b>17.4</b>	16 508	0.85	84.99	★ 2KJ1408 - ■ LM13 - ■ E1		659
	<b>19.4</b>	14 785	0.95	76.12	2KJ1408 - ■ LM13 - ■ D1		659
<b>30</b>	<b>23</b>	12 522	1.1	64.47	★ 2KJ1408 - ■ LM13 - ■ C1		659
	<b>26</b>	10 815	1.3	55.68	2KJ1408 - ■ LM13 - ■ B1		659
	<b>35</b>	8 129	1.7	41.85	★ 2KJ1408 - ■ LM13 - ■ A1		659
	<b>FZ.168B-LG200LB4E</b>						
	<b>28</b>	10 388	0.87	53.48	2KJ1308 - ■ LM13 - ■ R1		642
	<b>30</b>	9 380	1.1	48.29	2KJ1308 - ■ LM13 - ■ Q1		642
	<b>33</b>	8 789	1.3	45.25	2KJ1308 - ■ LM13 - ■ P1		642
	<b>38</b>	7 550	1.7	38.87	★ 2KJ1308 - ■ LM13 - ■ N1		642
	<b>44</b>	6 522	2.0	33.58	2KJ1308 - ■ LM13 - ■ M1		642
<b>30</b>	<b>50</b>	5 757	2.4	29.64	2KJ1308 - ■ LM13 - ■ L1		642
	<b>55</b>	5 182	2.7	26.68	★ 2KJ1308 - ■ LM13 - ■ K1		642
	<b>FZ.148B-LG200LB4E</b>						
	<b>29</b>	9 817	0.81	50.54	2KJ1307 - ■ LM13 - ■ R1		489
	<b>32</b>	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 <i>P</i> <sub>Motor</sub> kW	Output speed <i>n</i> <sub>2</sub> (50 Hz) rpm	Output torque <i>T</i> <sub>2</sub> Nm	Service factor <i>f</i> <sub>B</sub>	Gearbox ratio <i>i</i> <sub>tot</sub>	Order No.	Order code (No. of poles)	Weight *) kg
<b>30</b>	<b>FZ.148B-LG200LB4E</b>						
	35	8 088	1.1	41.64	<b>2KJ1307 - ■■LM13 - ■■P1</b>		489
	41	6 979	1.3	35.93	<b>2KJ1307 - ■■LM13 - ■■N1</b>		489
	47	6 105	1.5	31.43	<b>2KJ1307 - ■■LM13 - ■■M1</b>		489
	54	5 310	1.7	27.34	<b>2KJ1307 - ■■LM13 - ■■L1</b>		489
	62	4 658	1.9	23.98	★ <b>2KJ1307 - ■■LM13 - ■■K1</b>		489
	73	3 939	2.3	20.28	★ <b>2KJ1307 - ■■LM13 - ■■J1</b>		489
	80	3 574	2.5	18.4	<b>2KJ1307 - ■■LM13 - ■■H1</b>		489
	92	3 116	2.9	16.04	★ <b>2KJ1307 - ■■LM13 - ■■G1</b>		489
	108	2 646	3.2	13.62	<b>2KJ1307 - ■■LM13 - ■■F1</b>		489
	141	2 026	3.9	10.43	★ <b>2KJ1307 - ■■LM13 - ■■E1</b>		489
	155	1 847	3.6	9.51	<b>2KJ1307 - ■■LM13 - ■■D1</b>		489
	178	1 610	3.9	8.29	★ <b>2KJ1307 - ■■LM13 - ■■C1</b>		489
	210	1 367	4.3	7.04	<b>2KJ1307 - ■■LM13 - ■■B1</b>		489
	274	1 047	4.9	5.39	★ <b>2KJ1307 - ■■LM13 - ■■A1</b>		489
<b>FZ.128B-LG200LB4E</b>							
	38	7 509	0.80	38.66	<b>2KJ1306 - ■■LM13 - ■■T1</b>		397
	43	6 728	0.91	34.64	★ <b>2KJ1306 - ■■LM13 - ■■S1</b>		397
	46	6 212	0.98	31.98	<b>2KJ1306 - ■■LM13 - ■■R1</b>		397
	54	5 309	1.1	27.33	<b>2KJ1306 - ■■LM13 - ■■Q1</b>		397
	60	4 798	1.3	24.7	★ <b>2KJ1306 - ■■LM13 - ■■P1</b>		397
	62	4 623	1.3	23.8	<b>2KJ1306 - ■■LM13 - ■■N1</b>		397
	72	3 997	1.5	20.58	<b>2KJ1306 - ■■LM13 - ■■L1</b>		397
	82	3 487	1.7	17.95	★ <b>2KJ1306 - ■■LM13 - ■■K1</b>		397
	96	2 983	2.0	15.36	★ <b>2KJ1306 - ■■LM13 - ■■J1</b>		397
	107	2 673	2.1	13.76	<b>2KJ1306 - ■■LM13 - ■■H1</b>		397
	127	2 263	2.4	11.65	★ <b>2KJ1306 - ■■LM13 - ■■G1</b>		397
	146	1 956	2.6	10.07	<b>2KJ1306 - ■■LM13 - ■■F1</b>		397
	195	1 470	3.1	7.57	★ <b>2KJ1306 - ■■LM13 - ■■E1</b>		397
	213	1 342	2.7	6.91	<b>2KJ1306 - ■■LM13 - ■■D1</b>		397
	252	1 136	2.9	5.85	★ <b>2KJ1306 - ■■LM13 - ■■C1</b>		397
	292	981	3.2	5.05	<b>2KJ1306 - ■■LM13 - ■■B1</b>		397
	388	738	3.7	3.8	★ <b>2KJ1306 - ■■LM13 - ■■A1</b>		397
<b>37</b>	<b>FD.208-LG225S4E</b>						
	8.4	42 287	0.80	175.92	★ <b>2KJ1411 - ■■ME13 - ■■Q1</b>		1 335
	9.7	36 534	0.93	151.99	<b>2KJ1411 - ■■ME13 - ■■P1</b>		1 335
	11.0	32 249	1.1	134.16	<b>2KJ1411 - ■■ME13 - ■■N1</b>		1 335
	12.2	29 030	1.2	120.77	★ <b>2KJ1411 - ■■ME13 - ■■M1</b>		1 335
	14.7	24 088	1.4	100.21	★ <b>2KJ1411 - ■■ME13 - ■■L1</b>		1 335
	16.1	21 965	1.5	91.38	<b>2KJ1411 - ■■ME13 - ■■K1</b>		1 335
	18.3	19 271	1.8	80.17	★ <b>2KJ1411 - ■■ME13 - ■■J1</b>		1 335
	21	16 562	2.1	68.9	<b>2KJ1411 - ■■ME13 - ■■H1</b>		1 335
<b>FD.188B-LG225S4E</b>							
	15.6	22 662	0.88	94.28	★ <b>2KJ1410 - ■■ME13 - ■■E1</b>		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 *) kg
<b>37</b>							
	<b>FD.188B-LG225S4E</b>						
	<b>17.2</b>	20 562	0.97	85.54	<b>2KJ1410 - ■■ME13 - ■■D1</b>		920
	<b>19.7</b>	17 927	1.1	74.58	★ <b>2KJ1410 - ■■ME13 - ■■C1</b>		920
	<b>23</b>	15 220	1.3	63.32	<b>2KJ1410 - ■■ME13 - ■■B1</b>		920
	<b>30</b>	11 649	1.7	48.46	★ <b>2KJ1410 - ■■ME13 - ■■A1</b>		920
	<b>FZ.188B-LG225S4E</b>						
	<b>28</b>	12 651	1.3	52.63	<b>2KJ1310 - ■■ME13 - ■■P1</b>		897
	<b>30</b>	11 651	1.4	48.47	<b>2KJ1310 - ■■ME13 - ■■N1</b>		897
	<b>35</b>	10 113	1.7	42.07	★ <b>2KJ1310 - ■■ME13 - ■■M1</b>		897
	<b>40</b>	8 913	2.0	37.08	<b>2KJ1310 - ■■ME13 - ■■L1</b>		897
	<b>45</b>	7 822	2.4	32.54	<b>2KJ1310 - ■■ME13 - ■■K1</b>		897
	<b>50</b>	7 050	2.8	29.33	★ <b>2KJ1310 - ■■ME13 - ■■J1</b>		897
	<b>FD.168B-LG225S4E</b>						
	<b>23</b>	15 497	0.90	64.47	★ <b>2KJ1408 - ■■ME13 - ■■C1</b>		739
	<b>26</b>	13 384	1.0	55.68	<b>2KJ1408 - ■■ME13 - ■■B1</b>		739
	<b>35</b>	10 060	1.4	41.85	★ <b>2KJ1408 - ■■ME13 - ■■A1</b>		739
	<b>FZ.168B-LG225S4E</b>						
	<b>30</b>	11 608	0.90	48.29	<b>2KJ1308 - ■■ME13 - ■■Q1</b>		722
	<b>32</b>	10 877	1.1	45.25	<b>2KJ1308 - ■■ME13 - ■■P1</b>		722
	<b>38</b>	9 343	1.4	38.87	★ <b>2KJ1308 - ■■ME13 - ■■N1</b>		722
	<b>44</b>	8 072	1.6	33.58	<b>2KJ1308 - ■■ME13 - ■■M1</b>		722
	<b>50</b>	7 125	2.0	29.64	<b>2KJ1308 - ■■ME13 - ■■L1</b>		722
	<b>55</b>	6 413	2.2	26.68	★ <b>2KJ1308 - ■■ME13 - ■■K1</b>		722
	<b>66</b>	5 322	2.6	22.14	★ <b>2KJ1308 - ■■ME13 - ■■J1</b>		722
	<b>73</b>	4 853	2.9	20.19	<b>2KJ1308 - ■■ME13 - ■■H1</b>		722
	<b>83</b>	4 257	3.3	17.71	★ <b>2KJ1308 - ■■ME13 - ■■G1</b>		722
	<b>FZ.148B-LG225S4E</b>						
	<b>32</b>	10 906	0.80	45.37	★ <b>2KJ1307 - ■■ME13 - ■■Q1</b>		569
	<b>35</b>	10 009	0.90	41.64	<b>2KJ1307 - ■■ME13 - ■■P1</b>		569
	<b>41</b>	8 637	1.0	35.93	<b>2KJ1307 - ■■ME13 - ■■N1</b>		569
	<b>47</b>	7 555	1.2	31.43	<b>2KJ1307 - ■■ME13 - ■■M1</b>		569
	<b>54</b>	6 572	1.4	27.34	<b>2KJ1307 - ■■ME13 - ■■L1</b>		569
	<b>61</b>	5 764	1.6	23.98	★ <b>2KJ1307 - ■■ME13 - ■■K1</b>		569
	<b>72</b>	4 875	1.8	20.28	★ <b>2KJ1307 - ■■ME13 - ■■J1</b>		569
	<b>80</b>	4 423	2.0	18.4	<b>2KJ1307 - ■■ME13 - ■■H1</b>		569
	<b>92</b>	3 856	2.3	16.04	★ <b>2KJ1307 - ■■ME13 - ■■G1</b>		569
	<b>108</b>	3 274	2.6	13.62	<b>2KJ1307 - ■■ME13 - ■■F1</b>		569
	<b>141</b>	2 507	3.1	10.43	★ <b>2KJ1307 - ■■ME13 - ■■E1</b>		569
	<b>155</b>	2 286	2.9	9.51	<b>2KJ1307 - ■■ME13 - ■■D1</b>		569
	<b>177</b>	1 993	3.1	8.29	★ <b>2KJ1307 - ■■ME13 - ■■C1</b>		569
	<b>209</b>	1 692	3.4	7.04	<b>2KJ1307 - ■■ME13 - ■■B1</b>		569
	<b>273</b>	1 296	4.0	5.39	★ <b>2KJ1307 - ■■ME13 - ■■A1</b>		569
	<b>FZ.128B-K4-LGI225S4E</b>						
	<b>54</b>	6 569	0.93	27.33	<b>2KJ1306 - ■■ME13 - ■■Q1</b>		477

★ 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 *) 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
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
28	<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
33	<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

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
<b>45</b>							
	<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-LG1225ZM4E</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
<b>55</b>							
	<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

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 *) kg
<b>55</b>							
	<b>FD.188B-LG250ZM4E</b>						
	<b>23</b>	22 472	0.89	63.32	<b>2KJ1410 - ■NN13 - ■■B1</b>		1 010
	<b>30</b>	17 198	1.2	48.46 ★	<b>2KJ1410 - ■NN13 - ■■A1</b>		1 010
	<b>FZ.188B-LG250ZM4E</b>						
	<b>30</b>	17 202	0.98	48.47	<b>2KJ1310 - ■NN13 - ■■N1</b>		987
	<b>35</b>	14 931	1.2	42.07 ★	<b>2KJ1310 - ■NN13 - ■■M1</b>		987
	<b>40</b>	13 160	1.3	37.08	<b>2KJ1310 - ■NN13 - ■■L1</b>		987
	<b>46</b>	11 548	1.6	32.54	<b>2KJ1310 - ■NN13 - ■■K1</b>		987
	<b>50</b>	10 409	1.9	29.33 ★	<b>2KJ1310 - ■NN13 - ■■J1</b>		987
	<b>59</b>	8 837	2.3	24.9 ★	<b>2KJ1310 - ■NN13 - ■■H1</b>		987
	<b>64</b>	8 209	2.4	23.13	<b>2KJ1310 - ■NN13 - ■■G1</b>		987
	<b>74</b>	7 052	2.8	19.87 ★	<b>2KJ1310 - ■NN13 - ■■F1</b>		987
	<b>87</b>	6 016	3.1	16.95	<b>2KJ1310 - ■NN13 - ■■E1</b>		987
	<b>FD.168B-LG250ZM4E</b>						
	<b>35</b>	14 853	0.94	41.85 ★	<b>2KJ1408 - ■NN13 - ■■A1</b>		829
	<b>FZ.168B-LG250ZM4E</b>						
	<b>38</b>	13 795	0.94	38.87 ★	<b>2KJ1308 - ■NN13 - ■■N1</b>		812
	<b>44</b>	11 917	1.1	33.58	<b>2KJ1308 - ■NN13 - ■■M1</b>		812
	<b>50</b>	10 519	1.3	29.64	<b>2KJ1308 - ■NN13 - ■■L1</b>		812
	<b>56</b>	9 469	1.5	26.68 ★	<b>2KJ1308 - ■NN13 - ■■K1</b>		812
	<b>67</b>	7 857	1.8	22.14 ★	<b>2KJ1308 - ■NN13 - ■■J1</b>		812
	<b>73</b>	7 165	2.0	20.19	<b>2KJ1308 - ■NN13 - ■■H1</b>		812
	<b>84</b>	6 285	2.2	17.71 ★	<b>2KJ1308 - ■NN13 - ■■G1</b>		812
	<b>97</b>	5 402	2.6	15.22	<b>2KJ1308 - ■NN13 - ■■F1</b>		812
	<b>125</b>	4 209	3.1	11.86 ★	<b>2KJ1308 - ■NN13 - ■■E1</b>		812
	<b>157</b>	3 343	3.6	9.42 ★	<b>2KJ1308 - ■NN13 - ■■D1</b>		812
	<b>173</b>	3 031	3.7	8.54	<b>2KJ1308 - ■NN13 - ■■C1</b>		812
	<b>223</b>	2 360	4.2	6.65 ★	<b>2KJ1308 - ■NN13 - ■■B1</b>		812
	<b>280</b>	1 874	4.6	5.28 ★	<b>2KJ1308 - ■NN13 - ■■A1</b>		812
	<b>FZ.148B-K4-LGI250ZM4E</b>						
	<b>47</b>	11 154	0.81	31.43	<b>2KJ1307 - ■NN13 - ■■M1</b>		659
	<b>54</b>	9 703	0.93	27.34	<b>2KJ1307 - ■NN13 - ■■L1</b>		659
	<b>62</b>	8 510	1.1	23.98 ★	<b>2KJ1307 - ■NN13 - ■■K1</b>		659
	<b>73</b>	7 197	1.3	20.28 ★	<b>2KJ1307 - ■NN13 - ■■J1</b>		659
	<b>80</b>	6 530	1.4	18.4	<b>2KJ1307 - ■NN13 - ■■H1</b>		659
	<b>92</b>	5 693	1.6	16.04 ★	<b>2KJ1307 - ■NN13 - ■■G1</b>		659
	<b>109</b>	4 834	1.8	13.62	<b>2KJ1307 - ■NN13 - ■■F1</b>		659
	<b>142</b>	3 702	2.1	10.43 ★	<b>2KJ1307 - ■NN13 - ■■E1</b>		659
	<b>156</b>	3 375	1.9	9.51	<b>2KJ1307 - ■NN13 - ■■D1</b>		659
	<b>179</b>	2 942	2.1	8.29 ★	<b>2KJ1307 - ■NN13 - ■■C1</b>		659
	<b>210</b>	2 498	2.3	7.04	<b>2KJ1307 - ■NN13 - ■■B1</b>		659
	<b>275</b>	1 913	2.7	5.39 ★	<b>2KJ1307 - ■NN13 - ■■A1</b>		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

## Selection and ordering data (continued)

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

★ 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 *) kg
<b>90</b>							
	<b>FZ.208-K4-LGI280ZM4E</b>						
	<b>74</b>	11 610	2.8	20.06	<b>2KJ1311 - PW13 - H1</b>		1 570
	<b>93</b>	9 272	3.3	16.02 ★	<b>2KJ1311 - PW13 - G1</b>		1 570
	<b>FZ.188B-K4-LGI280ZM4E</b>						
	<b>40</b>	21 461	0.82	37.08	<b>2KJ1310 - PW13 - L1</b>		1 152
	<b>46</b>	18 834	0.98	32.54	<b>2KJ1310 - PW13 - K1</b>		1 152
	<b>51</b>	16 976	1.2	29.33 ★	<b>2KJ1310 - PW13 - J1</b>		1 152
	<b>60</b>	14 412	1.4	24.9 ★	<b>2KJ1310 - PW13 - H1</b>		1 152
	<b>64</b>	13 387	1.5	23.13	<b>2KJ1310 - PW13 - G1</b>		1 152
	<b>75</b>	11 501	1.7	19.87 ★	<b>2KJ1310 - PW13 - F1</b>		1 152
	<b>88</b>	9 810	1.9	16.95	<b>2KJ1310 - PW13 - E1</b>		1 152
	<b>111</b>	7 727	2.3	13.35 ★	<b>2KJ1310 - PW13 - D1</b>		1 152
	<b>138</b>	6 216	2.6	10.74 ★	<b>2KJ1310 - PW13 - C1</b>		1 152
	<b>159</b>	5 406	2.8	9.34	<b>2KJ1310 - PW13 - B1</b>		1 152
	<b>178</b>	4 827	2.9	8.34	<b>2KJ1310 - PW13 - A1</b>		1 152
	<b>FZ.168B-K4-LGI280ZM4E</b>						
	<b>50</b>	17 155	0.82	29.64	<b>2KJ1308 - PW13 - L1</b>		977
	<b>56</b>	15 442	0.91	26.68 ★	<b>2KJ1308 - PW13 - K1</b>		977
	<b>67</b>	12 814	1.1	22.14 ★	<b>2KJ1308 - PW13 - J1</b>		977
	<b>74</b>	11 686	1.2	20.19	<b>2KJ1308 - PW13 - H1</b>		977
	<b>84</b>	10 250	1.4	17.71 ★	<b>2KJ1308 - PW13 - G1</b>		977
	<b>98</b>	8 809	1.6	15.22	<b>2KJ1308 - PW13 - F1</b>		977
	<b>125</b>	6 864	1.9	11.86 ★	<b>2KJ1308 - PW13 - E1</b>		977
	<b>158</b>	5 452	2.2	9.42 ★	<b>2KJ1308 - PW13 - D1</b>		977
	<b>174</b>	4 943	2.3	8.54	<b>2KJ1308 - PW13 - C1</b>		977
	<b>223</b>	3 849	2.6	6.65 ★	<b>2KJ1308 - PW13 - B1</b>		977
	<b>281</b>	3 056	2.8	5.28 ★	<b>2KJ1308 - PW13 - A1</b>		977
<b>110</b>							
	<b>FD.208-K2-LGI315S4E</b>						
	<b>28</b>	37 832	0.90	53.66	<b>2KJ1411 - QQ13 - G1</b>		1 770
	<b>35</b>	30 056	1.1	42.63 ★	<b>2KJ1411 - QQ13 - F1</b>		1 770
	<b>38</b>	27 384	1.2	38.84	<b>2KJ1411 - QQ13 - E1</b>		1 770
	<b>49</b>	21 327	1.5	30.25 ★	<b>2KJ1411 - QQ13 - D1</b>		1 770
	<b>62</b>	16 942	1.8	24.03 ★	<b>2KJ1411 - QQ13 - C1</b>		1 770
	<b>FZ.208-K2-LGI315S4E</b>						
	<b>74</b>	14 143	2.3	20.06	<b>2KJ1311 - QQ13 - H1</b>		1 750
	<b>93</b>	11 295	2.7	16.02 ★	<b>2KJ1311 - QQ13 - G1</b>		1 750
	<b>114</b>	9 229	3.1	13.09 ★	<b>2KJ1311 - QQ13 - F1</b>		1 750
	<b>129</b>	8 115	3.4	11.51	<b>2KJ1311 - QQ13 - E1</b>		1 750
	<b>141</b>	7 452	3.6	10.57	<b>2KJ1311 - QQ13 - D1</b>		1 750
	<b>165</b>	6 352	4.0	9.01	<b>2KJ1311 - QQ13 - C1</b>		1 750
	<b>FZ.188B-K2-LGI315S4E</b>						
	<b>88</b>	11 950	1.6	16.95	<b>2KJ1310 - QQ13 - E1</b>		1 332
	<b>112</b>	9 412	1.9	13.35 ★	<b>2KJ1310 - QQ13 - D1</b>		1 332
	<b>139</b>	7 572	2.1	10.74 ★	<b>2KJ1310 - QQ13 - C1</b>		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

## 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>110</b>	<b>FZ.188B-K2-LGI315S4E</b>						
	<b>160</b>	6 585	2.3	9.34	<b>2KJ1310 - ■■QQ13 - ■■B1</b>		1 332
	<b>179</b>	5 880	2.4	8.34	<b>2KJ1310 - ■■QQ13 - ■■A1</b>		1 332
<b>132</b>	<b>FD.208-K2-LGI315ZM4E</b>						
	<b>35</b>	36 188	0.94	42.63 ★	<b>2KJ1411 - ■■QS13 - ■■F1</b>		1 825
	<b>38</b>	32 971	1.0	38.84	<b>2KJ1411 - ■■QS13 - ■■E1</b>		1 825
	<b>49</b>	25 679	1.2	30.25 ★	<b>2KJ1411 - ■■QS13 - ■■D1</b>		1 825
	<b>62</b>	20 399	1.5	24.03 ★	<b>2KJ1411 - ■■QS13 - ■■C1</b>		1 825
	<b>FZ.208-K2-LGI315ZM4E</b>						
	<b>74</b>	17 029	1.9	20.06	<b>2KJ1311 - ■■QS13 - ■■H1</b>		1 805
	<b>93</b>	13 599	2.2	16.02 ★	<b>2KJ1311 - ■■QS13 - ■■G1</b>		1 805
	<b>113</b>	11 112	2.6	13.09 ★	<b>2KJ1311 - ■■QS13 - ■■F1</b>		1 805
	<b>129</b>	9 771	2.8	11.51	<b>2KJ1311 - ■■QS13 - ■■E1</b>		1 805
	<b>140</b>	8 973	3.0	10.57	<b>2KJ1311 - ■■QS13 - ■■D1</b>		1 805
	<b>165</b>	7 648	3.3	9.01	<b>2KJ1311 - ■■QS13 - ■■C1</b>		1 805
	<b>FZ.188B2-K2-LGI315ZM4E</b>						
	<b>88</b>	14 389	1.3	16.95	<b>2KJ1310 - ■■QS13 - ■■E1</b>		1 387
	<b>111</b>	11 333	1.5	13.35 ★	<b>2KJ1310 - ■■QS13 - ■■D1</b>		1 387
	<b>138</b>	9 117	1.8	10.74 ★	<b>2KJ1310 - ■■QS13 - ■■C1</b>		1 387
	<b>159</b>	7 929	1.9	9.34	<b>2KJ1310 - ■■QS13 - ■■B1</b>		1 387
	<b>178</b>	7 080	2.0	8.34	<b>2KJ1310 - ■■QS13 - ■■A1</b>		1 387
<b>160</b>	<b>FD.208-K2-LGI315L4E</b>						
	<b>38</b>	39 965	0.85	38.84	<b>2KJ1411 - ■■QU13 - ■■E1</b>		1 950
	<b>49</b>	31 126	1.0	30.25 ★	<b>2KJ1411 - ■■QU13 - ■■D1</b>		1 950
	<b>62</b>	24 726	1.2	24.03 ★	<b>2KJ1411 - ■■QU13 - ■■C1</b>		1 950
	<b>FZ.208-K2-LGI315L4E</b>						
	<b>74</b>	20 641	1.6	20.06	<b>2KJ1311 - ■■QU13 - ■■H1</b>		1 930
	<b>93</b>	16 484	1.8	16.02 ★	<b>2KJ1311 - ■■QU13 - ■■G1</b>		1 930
	<b>113</b>	13 469	2.1	13.09 ★	<b>2KJ1311 - ■■QU13 - ■■F1</b>		1 930
	<b>129</b>	11 843	2.3	11.51	<b>2KJ1311 - ■■QU13 - ■■E1</b>		1 930
	<b>140</b>	10 876	2.5	10.57	<b>2KJ1311 - ■■QU13 - ■■D1</b>		1 930
	<b>165</b>	9 271	2.7	9.01	<b>2KJ1311 - ■■QU13 - ■■C1</b>		1 930
	<b>FZ.188B-K2-LGI315L4E</b>						
	<b>88</b>	17 441	1.1	16.95	<b>2KJ1310 - ■■QU13 - ■■E1</b>		1 512
	<b>111</b>	13 737	1.3	13.35 ★	<b>2KJ1310 - ■■QU13 - ■■D1</b>		1 512
	<b>138</b>	11 051	1.5	10.74 ★	<b>2KJ1310 - ■■QU13 - ■■C1</b>		1 512
	<b>159</b>	9 610	1.6	9.34	<b>2KJ1310 - ■■QU13 - ■■B1</b>		1 512
	<b>178</b>	8 581	1.7	8.34	<b>2KJ1310 - ■■QU13 - ■■A1</b>		1 512
<b>200</b>	<b>FD.208-K2-LGI315ZLB4E</b>						
	<b>49</b>	38 777	0.83	30.25 ★	<b>2KJ1411 - ■■QV13 - ■■D1</b>		2 065
	<b>62</b>	30 804	0.97	24.03 ★	<b>2KJ1411 - ■■QV13 - ■■C1</b>		2 065
	<b>FZ.208-K2-LGI315ZLB4E</b>						
	<b>74</b>	25 714	1.3	20.06	<b>2KJ1311 - ■■QV13 - ■■H1</b>		2 045
	<b>93</b>	20 536	1.5	16.02 ★	<b>2KJ1311 - ■■QV13 - ■■G1</b>		2 045

★ 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 *) kg
<b>200</b>							
<b>FZ.208-K2-LGI315ZLB4E</b>							
	<b>114</b>	16 780	1.7	13.09	★ <b>2KJ1311 - ■■QV13 - ■■F1</b>		2 045
	<b>129</b>	14 754	1.9	11.51	<b>2KJ1311 - ■■QV13 - ■■E1</b>		2 045
	<b>141</b>	13 549	2.0	10.57	<b>2KJ1311 - ■■QV13 - ■■D1</b>		2 045
	<b>165</b>	11 550	2.2	9.01	<b>2KJ1311 - ■■QV13 - ■■C1</b>		2 045
<b>FZ.188B-K2-LGI315ZLB4E</b>							
	<b>88</b>	21 728	0.86	16.95	<b>2KJ1310 - ■■QV13 - ■■E1</b>		1 627
	<b>112</b>	17 113	1.0	13.35	★ <b>2KJ1310 - ■■QV13 - ■■D1</b>		1 627
	<b>139</b>	13 767	1.2	10.74	★ <b>2KJ1310 - ■■QV13 - ■■C1</b>		1 627
	<b>160</b>	11 973	1.3	9.34	<b>2KJ1310 - ■■QV13 - ■■B1</b>		1 627
	<b>179</b>	10 691	1.3	8.34	<b>2KJ1310 - ■■QV13 - ■■A1</b>		1 627

★ Preferred transmission ratio

Shaft designs, see page 3/89

1, 2, 3, 5, 6 or 9

Frequency and voltage, see page 8/20

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Gearbox housing mounting position, see page 3/92

A, D, E, F, H or M

\*) For mounting type B5-01