

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.

Power rating P_{Motor} kW (50 Hz)	Output speed n_2 (50 Hz) rpm	Output torque T_2 Nm	Service factor f_B	Gearbox ratio i_{tot}	Order No.	Order code (No. of poles)	Weight *) kg
0.09							
S.28-LAI63M6							
8.5		46.2	1.6	100	2KJ1732 - ■ BE13 - ■■ A1	P01	8
10.6		41.0	2.1	80	2KJ1732 - ■ BE13 - ■■ B1	P01	8
14.2		34.5	2.8	60	2KJ1732 - ■ BE13 - ■■ C1	P01	8
S.18-LAI63M6							
10.6		39.6	0.9	80	2KJ1731 - ■ BE13 - ■■ B1	P01	6
14.2		33.8	1.4	60	2KJ1731 - ■ BE13 - ■■ C1	P01	6
17		30.0	1.7	50	2KJ1731 - ■ BE13 - ■■ D1	P01	6
S.08-LAI63M6							
14.2		29.9	0.8	60	2KJ1730 - ■ BE13 - ■■ C1	P01	5
17.0		26.8	1	50	2KJ1730 - ■ BE13 - ■■ D1	P01	5
21.2		23.5	1.3	40	2KJ1730 - ■ BE13 - ■■ E1	P01	5
0.12							
S.28-LAI63S4							
13.5		40.3	1.7	100	2KJ1732 - ■ BC13 - ■■ A1		8
16.9		35.7	2.3	80	2KJ1732 - ■ BC13 - ■■ B1		8
22.5		29.9	2.7	60	2KJ1732 - ■ BC13 - ■■ C1		8
27		26.5	3	50	2KJ1732 - ■ BC13 - ■■ D1		8
33.8		22.9	3.4	40	2KJ1732 - ■ BC13 - ■■ E1		8
45		18.5	4.1	30	2KJ1732 - ■ BC13 - ■■ F1		8
S.18-LAI63S4							
16.9		34.8	1	80	2KJ1731 - ■ BC13 - ■■ B1		6
22.5		29.5	1.5	60	2KJ1731 - ■ BC13 - ■■ C1		6
27		26.2	1.7	50	2KJ1731 - ■ BC13 - ■■ D1		6
33.8		22.6	2	40	2KJ1731 - ■ BC13 - ■■ E1		6
45		18.2	2.4	30	2KJ1731 - ■ BC13 - ■■ F1		6
54		15.9	2.5	25	2KJ1731 - ■ BC13 - ■■ G1		6
67.5		13.5	3.2	20	2KJ1731 - ■ BC13 - ■■ H1		6
90		10.6	4.1	15	2KJ1731 - ■ BC13 - ■■ J1		6
135		7.4	5.7	10	2KJ1731 - ■ BC13 - ■■ K1		6
193		5.4	7.6	7	2KJ1731 - ■ BC13 - ■■ L1		6
270		3.9	10	5	2KJ1731 - ■ BC13 - ■■ M1		6
S.08-LAI63S4							
22.5		26.4	0.88	60	2KJ1730 - ■ BC13 - ■■ C1		5
27.0		23.5	1.1	50	2KJ1730 - ■ BC13 - ■■ D1		5
33.8		20.5	1.4	40	2KJ1730 - ■ BC13 - ■■ E1		5
45.0		16.9	1.7	30	2KJ1730 - ■ BC13 - ■■ F1		5
54.0		14.8	1.9	25	2KJ1730 - ■ BC13 - ■■ G1		5
67.5		12.7	2.2	20	2KJ1730 - ■ BC13 - ■■ H1		5

Shaft designs, see page 6/13

1, 5 or 6

Frequency and voltage, see page 8/20

1 to 9

Gearbox housing mounting position, see page 6/15

A, D, F or H

*) Design: worm gearbox S with solid shaft

MOTOX Geared Motors

Worm geared motors

Geared motors up to 1.1 kW

Selection and ordering data (continued)

Power rating P_{Motor} kW (50 Hz)	Output speed n_2 (50 Hz) rpm	Output torque T_2 Nm	Service factor f_B	Gearbox ratio i_{tot}	Order No.	Order code (No. of poles)	Weight ^{*)} kg
0.12	S.08-LAI63S4						
	90	10.1	2.7	15	2KJ1730 - ■BC13 - ■■J1		5
	135	7.2	3.9	10	2KJ1730 - ■BC13 - ■■K1		5
	193	5.2	5.3	7	2KJ1730 - ■BC13 - ■■L1		5
	270	3.8	6.7	5	2KJ1730 - ■BC13 - ■■M1		5
0.18	S.28-LAI71S6						
	10.6	82	1.1	80	2KJ1732 - ■CD13 - ■■B1	P01	10
	14.2	69.1	1.4	60	2KJ1732 - ■CD13 - ■■C1	P01	10
	17	61.5	1.5	50	2KJ1732 - ■CD13 - ■■D1	P01	10
	21.2	53.2	1.8	40	2KJ1732 - ■CD13 - ■■E1	P01	10
	28.3	43.3	2.1	30	2KJ1732 - ■CD13 - ■■F1	P01	10
	S.28-LAI63M4						
	13.5	60.4	1.2	100	2KJ1732 - ■BE13 - ■■A1		8
	16.9	53.5	1.5	80	2KJ1732 - ■BE13 - ■■B1		8
	22.5	44.8	1.8	60	2KJ1732 - ■BE13 - ■■C1		8
	27	39.8	2	50	2KJ1732 - ■BE13 - ■■D1		8
	33.8	34.3	2.3	40	2KJ1732 - ■BE13 - ■■E1		8
	45	27.7	2.8	30	2KJ1732 - ■BE13 - ■■F1		8
	54	24	3.1	25	2KJ1732 - ■BE13 - ■■G1		8
	67.5	20.4	3.7	20	2KJ1732 - ■BE13 - ■■H1		8
	S.28-LAI63S2						
	282	5.4	9.9	10	2KJ1732 - ■BC13 - ■■K1	P00	8
	403	3.9	13.4	7	2KJ1732 - ■BC13 - ■■L1	P00	8
	564	2.8	18.1	5	2KJ1732 - ■BC13 - ■■M1	P00	8
	S.18-LAI71S6						
17	60.1	0.86	50	2KJ1731 - ■CD13 - ■■D1	P01	8	
21.2	52.4	1	40	2KJ1731 - ■CD13 - ■■E1	P01	8	
S.18-LAI63M4							
22.5	44.3	1	60	2KJ1731 - ■BE13 - ■■C1		6	
27	39.2	1.1	50	2KJ1731 - ■BE13 - ■■D1		6	
33.8	34	1.3	40	2KJ1731 - ■BE13 - ■■E1		6	
45	27.4	1.6	30	2KJ1731 - ■BE13 - ■■F1		6	
54	23.8	1.6	25	2KJ1731 - ■BE13 - ■■G1		6	
67.5	20.3	2.2	20	2KJ1731 - ■BE13 - ■■H1		6	
90	15.9	2.7	15	2KJ1731 - ■BE13 - ■■J1		6	
135	11.1	3.8	10	2KJ1731 - ■BE13 - ■■K1		6	
193	8	5.1	7	2KJ1731 - ■BE13 - ■■L1		6	
270	5.8	6.7	5	2KJ1731 - ■BE13 - ■■M1		6	
S.18-LAI63S2							
282	5.4	5.6	10	2KJ1731 - ■BC13 - ■■K1	P00	6	
403	3.9	7.5	7	2KJ1731 - ■BC13 - ■■L1	P00	6	
564	2.8	9.9	5	2KJ1731 - ■BC13 - ■■M1	P00	6	

Shaft designs, see page 6/13

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 6/15

*) Design: worm gearbox S with solid shaft

1, 5 or 6

1 to 9

A, D, F or H

Selection and ordering data (continued)

Power rating P_{Motor} kW (50 Hz)	Output speed n_2 (50 Hz) rpm	Output torque T_2 Nm	Service factor f_B	Gearbox ratio i_{tot}	Order No.	Order code (No. of poles)	Weight *) kg	
0.18	S.08-LAI63M4							
	33.8		30.7	0.91	40	2KJ1730 - BE13 - E1	5	
	45.0		25.3	1.1	30	2KJ1730 - BE13 - F1	5	
	54.0		22.2	1.3	25	2KJ1730 - BE13 - G1	5	
	67.5		19.1	1.4	20	2KJ1730 - BE13 - H1	5	
	90		15.2	1.8	15	2KJ1730 - BE13 - J1	5	
	135		10.8	2.6	10	2KJ1730 - BE13 - K1	5	
	193		7.8	3.5	7	2KJ1730 - BE13 - L1	5	
	270		5.8	4.5	5	2KJ1730 - BE13 - M1	5	
	S.08-LAI63S2							
	282		5.2	3.9	10	2KJ1730 - BC13 - K1	P00	5
	403		3.8	5.3	7	2KJ1730 - BC13 - L1	P00	5
	564		2.8	7	5	2KJ1730 - BC13 - M1	P00	5
	0.25	S.28-LAI71M6						
14.3			94.9	1	60	2KJ1732 - CE13 - C1	P01	10
17.2			84.5	1.1	50	2KJ1732 - CE13 - D1	P01	10
S.28-LAI71S4								
16.9			74.3	1.1	80	2KJ1732 - CD13 - B1		10
22.5			62.3	1.3	60	2KJ1732 - CD13 - C1		10
27			55.3	1.4	50	2KJ1732 - CD13 - D1		10
33.8			47.6	1.7	40	2KJ1732 - CD13 - E1		10
45			38.5	2	30	2KJ1732 - CD13 - F1		10
54			33.4	2.3	25	2KJ1732 - CD13 - G1		10
S.28-LAI63M2								
283			7.4	7.1	10	2KJ1732 - BE13 - K1	P00	8
404			5.4	9.7	7	2KJ1732 - BE13 - L1	P00	8
566			3.9	13.1	5	2KJ1732 - BE13 - M1	P00	8
S.18-LAI71S4								
27			54.5	0.82	50	2KJ1731 - CD13 - D1		8
33.8			47.2	0.95	40	2KJ1731 - CD13 - E1		8
45			38	1.2	30	2KJ1731 - CD13 - F1		8
54			33.1	1.2	25	2KJ1731 - CD13 - G1		8
67.5			28.1	1.5	20	2KJ1731 - CD13 - H1		8
90		22.1	2	15	2KJ1731 - CD13 - J1		8	
135		15.5	2.8	10	2KJ1731 - CD13 - K1		8	
193		11.2	3.7	7	2KJ1731 - CD13 - L1		8	
270		8.1	4.8	5	2KJ1731 - CD13 - M1		8	
S.18-LAI63M2								
283		7.4	4	10	2KJ1731 - BE13 - K1	P00	6	
404		5.4	5.4	7	2KJ1731 - BE13 - L1	P00	6	
566		3.9	7.1	5	2KJ1731 - BE13 - M1	P00	6	
S.08-LAI63M2								
70.8		21.3	1	40	2KJ1730 - BE13 - E1	P00	5	
94.3		17.2	1.2	30	2KJ1730 - BE13 - F1	P00	5	

Shaft designs, see page 6/13

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 6/15

*) Design: worm gearbox S with solid shaft

1, 5 or 6

1 to 9

A, D, F or H

MOTOX Geared Motors

Worm geared motors

Geared motors up to 1.1 kW

Selection and ordering data (continued)

Power rating P_{Motor} kW (50 Hz)	Output speed n_2 (50 Hz) rpm	Output torque T_2 Nm	Service factor f_B	Gearbox ratio i_{tot}	Order No.	Order code (No. of poles)	Weight ^{*)} kg
0.25							
S.08-LAI63M2							
113		15.2	1.4	25	2KJ1730 - ■BE13 - ■■G1	P00	5
142		13	1.6	20	2KJ1730 - ■BE13 - ■■H1	P00	5
189		10.3	2	15	2KJ1730 - ■BE13 - ■■J1	P00	5
283		7.3	2.8	10	2KJ1730 - ■BE13 - ■■K1	P00	5
404		5.3	3.8	7	2KJ1730 - ■BE13 - ■■L1	P00	5
566		3.8	5	5	2KJ1730 - ■BE13 - ■■M1	P00	5
0.37							
S.28-LAI71M4							
22.8		90.9	0.89	60	2KJ1732 - ■CE13 - ■■C1		10
27.4		80.7	0.98	50	2KJ1732 - ■CE13 - ■■D1		10
34.2		69.5	1.1	40	2KJ1732 - ■CE13 - ■■E1		10
45.7		56.2	1.4	30	2KJ1732 - ■CE13 - ■■F1		10
54.8		48.7	1.5	25	2KJ1732 - ■CE13 - ■■G1		10
68.5		41.3	1.8	20	2KJ1732 - ■CE13 - ■■H1		10
S.28-LAI71S2							
274		11.4	4.8	10	2KJ1732 - ■CD13 - ■■K1	P00	10
391		8.2	6.5	7	2KJ1732 - ■CD13 - ■■L1	P00	10
548		6	8.7	5	2KJ1732 - ■CD13 - ■■M1	P00	10
S.18-LAI71M4							
54.8		48.3	0.81	25	2KJ1731 - ■CE13 - ■■G1		8
68.5		41.1	1.1	20	2KJ1731 - ■CE13 - ■■H1		8
91.3		32.2	1.3	15	2KJ1731 - ■CE13 - ■■J1		8
137		22.6	1.9	10	2KJ1731 - ■CE13 - ■■K1		8
196		16.3	2.5	7	2KJ1731 - ■CE13 - ■■L1		8
274		11.8	3.3	5	2KJ1731 - ■CE13 - ■■M1		8
S.18-LAI71S2							
274		11.4	2.7	10	2KJ1731 - ■CD13 - ■■K1	P00	8
391		8.2	3.6	7	2KJ1731 - ■CD13 - ■■L1	P00	8
548		5.9	4.7	5	2KJ1731 - ■CD13 - ■■M1	P00	8
0.55							
S.28-LAI80S4							
46.5		82.1	0.92	30	2KJ1732 - ■DB13 - ■■F1		14
55.8		71.1	1	25	2KJ1732 - ■DB13 - ■■G1		14
69.8		60.3	1.2	20	2KJ1732 - ■DB13 - ■■H1		14
93		47.3	1.6	15	2KJ1732 - ■DB13 - ■■J1		14
140		33.1	2.3	10	2KJ1732 - ■DB13 - ■■K1		14
199		23.9	3.1	7	2KJ1732 - ■DB13 - ■■L1		14
279		17.4	4	5	2KJ1732 - ■DB13 - ■■M1		14
S.28-LAI71M2							
280		16.5	3.2	10	2KJ1732 - ■CE13 - ■■K1	P00	10
400		11.9	4.4	7	2KJ1732 - ■CE13 - ■■L1	P00	10
560		8.7	5.9	5	2KJ1732 - ■CE13 - ■■M1	P00	10
S.18-LAI71M2							
112		35.8	0.83	25	2KJ1731 - ■CE13 - ■■G1	P00	8
140		30.4	1	20	2KJ1731 - ■CE13 - ■■H1	P00	8

Shaft designs, see page 6/13

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 6/15

*) Design: worm gearbox S with solid shaft

1, 5 or 6

1 to 9

A, D, F or H

Selection and ordering data (continued)

Power rating P_{Motor} kW (50 Hz)	Output speed n_2 (50 Hz) rpm	Output torque T_2 Nm	Service factor f_B	Gearbox ratio i_{tot}	Order No.	Order code (No. of poles)	Weight ^{*)} kg	
0.55	S.18-LAI71M2							
	187		23.7	1.3	15	2KJ1731 - ■CE13 - ■■J1	8	
	280		16.5	1.8	10	2KJ1731 - ■CE13 - ■■K1	8	
	400		11.9	2.4	7	2KJ1731 - ■CE13 - ■■L1	8	
	560		8.6	3.2	5	2KJ1731 - ■CE13 - ■■M1	8	
0.75	S.28-LAI80ZMB4							
	70		81.9	0.92	20	2KJ1732 - ■DE13 - ■■H1	14	
	93.3		64.3	1.2	15	2KJ1732 - ■DE13 - ■■J1	14	
	140		45	1.7	10	2KJ1732 - ■DE13 - ■■K1	14	
	200		32.5	2.3	7	2KJ1732 - ■DE13 - ■■L1	14	
	280		23.7	3	5	2KJ1732 - ■DE13 - ■■M1	14	
	S.28-LAI80M2							
	95.7		54.9	0.97	30	2KJ1732 - ■DC13 - ■■F1	P00	14
	115		47.5	1.1	25	2KJ1732 - ■DC13 - ■■G1	P00	14
	144		40.3	1.3	20	2KJ1732 - ■DC13 - ■■H1	P00	14
	191		31.5	1.7	15	2KJ1732 - ■DC13 - ■■J1	P00	14
	287		22	2.4	10	2KJ1732 - ■DC13 - ■■K1	P00	14
	410		15.9	3.3	7	2KJ1732 - ■DC13 - ■■L1	P00	14
	574		11.6	4.4	5	2KJ1732 - ■DC13 - ■■M1	P00	14
	1.1	S.28-LAI80ZMB2						
143			59.4	0.91	20	2KJ1732 - ■DN13 - ■■H1	P00	14
191			46.4	1.1	15	2KJ1732 - ■DN13 - ■■J1	P00	14
286			32.4	1.6	10	2KJ1732 - ■DN13 - ■■K1	P00	14
409			23.4	2.2	7	2KJ1732 - ■DN13 - ■■L1	P00	14
572		17.0	3	5	2KJ1732 - ■DN13 - ■■M1	P00	14	

Shaft designs, see page 6/13

Frequency and voltage, see page 8/20

Gearbox housing mounting position, see page 6/15

*) Design: worm gearbox S with solid shaft

1, 5 or 6

1 to 9

A, D, F or H