Pole-changing motors

Self-ventilated motors – Aluminum series 1LA7 and 1LA5 for square-law load torque

Selection and ordering data

			Operating values at rated output for N1								Operating values at rated output for N2								Aluminum series 1LA7/1LA5 – *pole-changing for square-law load torque* Order No.	$m_{IM\ B3}$	J	Torque class
$P_{ra-ted1}$, 50 Hz	$P_{ra-ted2}$, 50 Hz	Frame size	$n_{ra-ted1}$, 50 Hz	$T_{ra-ted1}$, 50 Hz	$\eta_{ra-ted1}$, 50 Hz, 4/4	$\cos\varphi$ rated1, 50 Hz, 4/4	$I_{ra-ted1}$, 50 Hz, 400 V	$T_{LR}/T_{ra-ted1}$	$I_{LR}/I_{ra-ted1}$	$T_B/T_{ra-ted1}$	$n_{ra-ted2}$, 50 Hz	$T_{ra-ted2}$, 50 Hz	$\eta_{ra-ted2}$, 50 Hz, 4/4	$\cos\varphi$ rated2, 50 Hz, 4/4	$I_{ra-ted2}$, 50 Hz, 400 V	$T_{LR}/T_{ra-ted2}$	$I_{LR}/I_{ra-ted2}$	$T_B/T_{ra-ted2}$				
kW	kW	FS	rpm	Nm	%		A				rpm	Nm	%		A				▶ Successor 1LE101.	kg	kgm²	CL
• Cooling: Self-ventilated (IC 411) • Line operation: Double pole-changing for square-law load torque, e.g. for driving fans • Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)																						
4/2-pole: 1500/3000 rpm at 50 Hz with one winding connected in Dahlander circuit																						
1500 rpm	*3000 rpm*		*1500 rpm*								*3000 rpm*											
0.15	0.7	80 M	1400	1.0	64.6	0.83	0.39	1.8	3.8	2.0	2745	2.4	60.9	0.91	1.76	1.6	4.0	2.0	1LA7080-0BA ■■	10	0.0014	10
0.25	0.95	80 M	1385	1.7	64.7	0.88	0.61	1.8	3.8	2.0	2780	3.3	62.0	0.89	2.40	1.9	4.2	2.0	1LA7083-0BA ■■	11	0.0017	10
0.33	1.4	90 S	1420	2.2	72.8	0.84	0.76	1.9	4.5	2.1	2835	4.7	68.1	0.83	3.50	1.8	4.3	2.0	1LA7090-0BA ■■	13	0.0024	10
0.5	2	90 L	1420	3.4	74.8	0.87	1.08	2.2	5.1	2.5	2835	6.7	68.2	0.86	4.80	2.2	5.0	2.5	1LA7096-0BA ■■	16	0.0033	10
0.65	2.5	100 L	1430	4.3	72.9	0.89	1.41	1.7	5.0	2.3	2865	7.3	73.2	0.89	4.75	2.2	5.5	2.3	▶ 1LA7106-0BA ■■	21	0.0048	10
0.8	3.1	100 L	1425	5.0	76.9	0.86	1.59	1.8	5.7	2.6	2860	10	75.2	0.83	6.8	2.3	6.1	2.6	▶ 1LA7107-0BA ■■	24	0.0055	10
1.1	4.4	112 M	1445	7.3	75.0	0.83	2.50	2.1	6.2	2.4	2885	15	72.3	0.80	10.7	2.2	6.2	2.4	▶ 1LA7113-0BA ■■	31	0.011	10
1.45	5.9	132 S	1455	9.8	80.1	0.84	3.15	2.0	6.8	2.8	2920	18	78.4	0.83	12	2.1	6.5	2.8	▶ 1LA7130-0BA ■■	41	0.018	10
2	8	132 M	1455	13	83.2	0.85	4.00	1.9	7.6	2.6	2930	24	84.4	0.84	15	2.1	7.5	2.6	▶ 1LA7133-0BA ■■	50	0.023	10
2.9	11.5	160 M	1450	20	83.2	0.86	5.9	1.8	5.6	2.5	2930	36	83.5	0.89	21	1.8	7.4	2.4	▶ 1LA7163-0BA ■■	74	0.043	10
4.3	17	160 L	1455	28	84.3	0.86	8.4	1.9	7.1	2.5	2930	55	84.6	0.92	31	2.2	8.5	2.6	▶ 1LA7166-0BA ■■	92	0.060	10
6/4-pole: 1000/1500 rpm at 50 Hz with two windings																						
1000 rpm	*1500 rpm*		*1000 rpm*								*1500 rpm*											
0.12	0.4	80 M	940	1.2	42.5	0.75	0.51	1.7	2.8	1.8	1430	2.7	52.8	0.76	1.38	1.7	4.0	2.0	1LA7080-1BD ■■	9.0	0.0014	10
0.18	0.55	80 M	930	1.8	46.6	0.72	0.74	1.5	2.5	1.8	1420	3.7	63.9	0.74	1.63	1.7	4.0	2.0	1LA7083-1BD ■■	10	0.0017	10
0.29	0.8	90 S	950	2.9	52.7	0.71	1.07	1.5	3.4	2.0	1430	5.3	66.0	0.81	2.10	1.5	4.3	2.0	1LA7090-1BD ■■	13	0.0024	10
0.38	1.1	90 L	950	3.8	55.8	0.71	1.33	1.8	3.8	2.3	1430	7.3	72.0	0.81	2.65	1.8	4.9	2.3	1LA7096-1BD ■■	16	0.0033	10
0.6	1.7	100 L	950	6.0	64.9	0.74	1.75	1.8	4.2	2.2	1410	10	73.1	0.85	3.40	1.8	5.2	2.2	▶ 1LA7106-1BD ■■	21	0.0047	10
0.75	2.1	100 L	950	7.5	60.9	0.75	2.30	1.5	3.9	2.0	1410	15	76.2	0.86	4.75	1.9	5.2	2.2	▶ 1LA7107-1BD ■■	24	0.0054	10
0.9	3	112 M	980	8.8	69.0	0.61	3.00	2.0	4.5	2.5	1450	20	79.2	0.80	6.7	2.1	6.1	2.5	▶ 1LA7113-1BD ■■	31	0.012	10
1.2	3.9	132 S	975	11	70.0	0.69	3.20	1.9	5.1	2.5	1460	26	81.3	0.81	8.6	1.7	6.1	2.2	▶ 1LA7130-1BD ■■	41	0.018	10
1.7	5.4	132 M	975	15	73.1	0.71	4.05	2.1	5.1	2.6	1460	36	80.4	0.83	11.7	1.9	6.6	2.5	▶ 1LA7133-1BD ■■	49	0.023	10
2.5	7.2	160 M	980	21	76.2	0.72	5.7	1.9	5.6	1.9	1470	49	84.4	0.84	15	2.0	7.3	2.0	▶ 1LA7163-1BD ■■	73	0.043	10
3.7	12	160 L	980	36	75.3	0.75	9.2	1.9	5.7	2.3	1470	71	88.0	0.83	21.5	2.4	8.1	3.0	▶ 1LA7166-1BD ■■	91	0.060	10
5.5	16	180 M	965	54	82.4	0.80	11.8	1.8	4.3	1.9	1470	104	89.1	0.81	31.5	1.9	5.9	2.6	1LA5183-1BD ■■	114	0.081	10
6.5	19	180 L	965	64	82.4	0.81	13.8	1.8	4.3	2.1	1460	124	87.1	0.85	36.5	1.9	5.6	2.6	1LA5186-1BD ■■	128	0.094	10
9.5	26	200 L	980	93	85.5	0.79	20	1.9	5.3	2.1	1470	169	91.0	0.83	49	1.5	5.5	2.1	1LA5207-1BD ■■	157	0.16	10

Voltages		No. of poles	Motor type 1LA7	Motor type 1LA5	Version		Order code(s)
50 Hz	230 V	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	**Standard**	1	–
Direct switch-on	400 V	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	**Standard**	6	–
	500 V	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	Without add. charge	5	–
	690 V	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	Without add. charge	0	–
Further voltages [1]	For additional charges, code numbers and descriptions, see supplements and special versions.					9	. . .

Types of construction		No. of poles	Motor type 1LA7	Motor type 1LA5	Version		Order code(s)
Without flange	IM B3/6/7/8, IM V6, IM V5 without protective cover	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	**Standard**	0	–
With flange	IM B5, IM V1 without prot. cover [2]	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	With add. charge	1	–
	IM V3	4/2, 6/4	1LA7080 ... 166	–	With add. charge	1	–
		4/2, 6/4	–	1LA5183 ... 207	With add. charge	9	M1G
	IM V1 with protective cover [2] [3]	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	With add. charge	4	–
	IM B35	4/2, 6/4	1LA7080 ... 166	1LA5183 ... 207	With add. charge	6	–
With standard flange	IM B14, IM V19, IM V18 without protective cover	4/2, 6/4	1LA7080 ... 166	–	With add. charge	2	–
	IM B34	4/2, 6/4	1LA7080 ... 166	–	With add. charge	7	–
With special flange	IM B14, IM V19, IM V18 without protective cover	4/2, 6/4	1LA7080 ... 166	–	With add. charge	3	–
Further types of construction	For additional charges, code numbers and descriptions, see supplements and special versions.					9	. . .

Special versions				Order code(s)
Options	For add. charges, code numbers and descriptions, see suppl. and special versions.	**1LA . . . . - . . . ■■**	**-Z**	. . .+. . .+. . .+. . .

1) Operating values at rated output for 60 Hz are available on request.

2) 1LA5 motors can be supplied as an option with two additional eyebolts – specify order code K32.

3) The "Second shaft extension" option, order code K16 is not possible.

Self-ventilated motors – Aluminum series 1LA7 and 1LA5 for square-law load torque

Selection and ordering data (continued)

P_{rated1}, 50 Hz	P_{rated2}, 50 Hz	Frame size	Operating values at rated output for N1: n_{rated1}, 50 Hz	T_{rated1}, 50 Hz	η_{rated1}, 50 Hz, 4/4	$\cos\varphi_{rated1}$, 50 Hz, 4/4	I_{rated1}, 50 Hz, 400 V	T_{LR}/T_{rated1}	I_{LR}/I_{rated1}	T_B/T_{rated1}	Operating values at rated output for N2: n_{rated2}, 50 Hz	T_{rated2}, 50 Hz	η_{rated2}, 50 Hz, 4/4	$\cos\varphi_{rated2}$, 50 Hz, 4/4	I_{rated2}, 50 Hz, 400 V	T_{LR}/T_{rated2}	I_{LR}/I_{rated2}	T_B/T_{rated2}	**Aluminum series 1LA7/1LA5 – *pole-changing for square-law load torque*** Order No.	$m_{IM\ B3}$	J	Torque class
kW	kW	FS	rpm	Nm	%		A				rpm	Nm	%		A				▶ Successor 1LE101.	kg	kgm²	CL
• Cooling: Self-ventilated (IC 411) **• Line operation: Double pole-changing for square-law load torque, e.g. for driving fans** **• Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)**																					
8/4-pole: 750/1500 rpm at 50 Hz with one winding connected in Dahlander circuit																					
750 rpm	*1500 rpm*		*750 rpm*								*1500 rpm*										
0.1	**0.5**	**80 M**	680	1.4	39.0	0.61	0.56	1.4	2.3	1.7	1375	3.5	66.8	0.82	1.28	1.7	4.1	1.8	**1LA7080-0BB** ■■	9.0	0.0014	10
0.15	**0.7**	**80 M**	685	2.1	43.6	0.61	0.77	1.4	2.4	1.7	1380	4.8	67.9	0.82	1.76	1.8	4.2	1.8	**1LA7083-0BB** ■■	10	0.0017	10
0.22	**1**	**90 S**	695	3.0	39.0	0.62	1.25	1.3	2.4	1.8	1370	7.0	68.0	0.86	2.40	1.5	3.7	2.0	**1LA7090-0BB** ■■	13	0.0024	10
0.33	**1.5**	**90 L**	700	4.5	40.8	0.61	1.82	1.5	2.6	1.8	1375	10	73.1	0.88	3.30	1.8	4.2	2.0	**1LA7096-0BB** ■■	16	0.0033	10
0.5	**2**	**100 L**	710	6.7	49.8	0.57	2.45	1.1	3.1	1.8	1415	13	78.2	0.85	4.25	1.9	5.2	2.1	▶ **1LA7106-0BB** ■■	21	0.0047	10
0.65	**2.5**	**100 L**	700	8.9	52.9	0.61	2.80	1.1	3.1	1.8	1400	15	75.2	0.88	4.70	1.9	5.4	2.1	▶ **1LA7107-0BB** ■■	24	0.0054	10
0.9	**3.6**	**112 M**	720	12	53.0	0.50	4.70	1.6	3.2	2.4	1440	24	76.3	0.83	8.0	2.6	6.5	2.6	▶ **1LA7113-0BB** ■■	31	0.012	10
1.1	**4.7**	**132 S**	720	15	74.0	0.60	3.50	2.0	4.3	2.5	1455	31	78.3	0.78	10.9	2.3	6.4	2.9	▶ **1LA7130-0BB** ■■	41	0.018	10
1.4	**6.4**	**132 M**	720	20	75.1	0.60	4.70	2.2	4.6	2.7	1455	42	82.4	0.83	13.2	1.9	6.8	2.5	▶ **1LA7133-0BB** ■■	49	0.023	10
2.2	**9.5**	**160 M**	725	29	77.2	0.62	6.5	1.7	4.1	2.0	1465	62	82.5	0.83	19.7	2.0	7.0	2.6	▶ **1LA7163-0BB** ■■	73	0.043	10
3.3	**14**	**160 L**	730	43	83.8	0.60	9.3	2.0	4.7	2.2	1470	91	87.1	0.80	28.5	2.6	8.1	3.1	▶ **1LA7166-0BB** ■■	91	0.060	10
4.5	**16**	**180 M**	730	59	79.3	0.59	13.6	1.4	3.8	2.1	1470	104	84.6	0.83	32.5	2.3	7.0	2.9	**1LA5183-0BB** ■■	111	0.13	10
5	**18.5**	**180 L**	730	65	78.3	0.60	15	1.5	3.8	2.1	1470	120	86.6	0.83	36.5	2.3	7.0	2.7	**1LA5186-0BB** ■■	118	0.15	10
7.5	**28**	**200 L**	732	98	83.4	0.62	20.5	1.9	4.3	2.2	1470	182	89.1	0.86	52	2.5	7.1	2.5	**1LA5207-0BB** ■■	157	0.24	10

Voltages		No. of poles	Motor type 1LA7	Motor type 1LA5	Version		Order code(s)
50 Hz	230 V	8/4	1LA7080 ... 166	1LA5183 ... 207	**Standard**	1	–
Direct switch-on	400 V	8/4	1LA7080 ... 166	1LA5183 ... 207	**Standard**	6	–
	500 V	8/4	1LA7080 ... 166	1LA5183 ... 207	Without additional charge	5	–
	690 V	8/4	1LA7080 ... 166	1LA5183 ... 207	Without additional charge	0	–
Further voltages [1]	For additional charges, code numbers and descriptions, see supplements and special versions.					9	. . .

Types of construction		No. of poles	Motor type 1LA7	Motor type 1LA5	Version		Order code(s)
Without flange	IM B3/6/7/8, IM V6, IM V5 without protective cover	8/4	1LA7080 ... 166	1LA5183 ... 207	**Standard**	0	–
With flange	IM B5, IM V1 without protective cover [2]	8/4	1LA7080 ... 166	1LA5183 ... 207	With additional charge	1	–
	IM V3	8/4	1LA7080 ... 166	–	With additional charge	1	–
		8/4	–	1LA5183 ... 207	With additional charge	9	**M1G**
	IM V1 with protective cover [2] [3]	8/4	1LA7080 ... 166	1LA5183 ... 207	With additional charge	4	–
	IM B35	8/4	1LA7080 ... 166	1LA5183 ... 207	With additional charge	6	–
With standard flange	IM B14, IM V19, IM V18 without protective cover	8/4	1LA7080 ... 166	–	With additional charge	2	–
	IM B34	8/4	1LA7080 ... 166	–	With additional charge	7	–
With special flange	IM B14, IM V19, IM V18 without protective cover	8/4	1LA7080 ... 166	–	With additional charge	3	–
Further types of construction	For additional charges, code numbers and descriptions, see supplements and special versions.					9	. . .

Special versions			Order code(s)
Options	For additional charges, code numbers and descriptions, see supplements and special versions.	**1LA . . . . - . . . ■■ -Z**	. . .+. . .+. . .+. . .

1) Operating values at rated output for 60 Hz are available on request.

2) 1LA5 motors can be supplied as an option with two additional eyebolts – specify order code K32.

3) The "Second shaft extension" option, order code K16 is not possible.

Pole-changing motors

Self-ventilated motors – Aluminum series 1LA7 and 1LA5 for square-law load torque

Selection and ordering data (continued)

P_{rated1}, 50 Hz	P_{rated2}, 50 Hz	Frame size	Operating values at rated output for N1: n_{rated1}, 50 Hz	T_{rated1}, 50 Hz	η_{rated1}, 50 Hz, 4/4	$\cos\varphi_{rated1}$, 50 Hz, 4/4	I_{rated1}, 50 Hz, 400 V	T_{LR}/T_{rated1}	I_{LR}/I_{rated1}	T_B/T_{rated1}	Operating values at rated output for N2: n_{rated2}, 50 Hz	T_{rated2}, 50 Hz	η_{rated2}, 50 Hz, 4/4	$\cos\varphi_{rated2}$, 50 Hz, 4/4	I_{rated2}, 50 Hz, 400 V	T_{LR}/T_{rated2}	I_{LR}/I_{rated2}	T_B/T_{rated2}	**Aluminum series 1LA7/1LA5 – *pole-changing for square-law load torque*** Order No.	$m_{IM\ B3}$	J	Torque class
kW	kW	FS	rpm	Nm	%		A				rpm	Nm	%		A					kg	kgm²	CL
• Cooling: Self-ventilated (IC 411)																						
• Line operation: Triple pole-changing for square-law load torque, e.g. for driving fans																						
• Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)																						
8/6/4-pole: 750/1000/1500 rpm at 50 Hz with two windings, with 750/1500 rpm connected in Dahlander circuit																						
Data for 8/6-pole: 750/1000 rpm at 50 Hz																						
750 rpm	*1000 rpm*		*750 rpm*								*1000 rpm*											
0.15	**0.22**	**90 S**	705	2.0	45.6	0.63	0.75	1.3	2.5	1.9	960	2.2	53.7	0.69	0.86	1.3	2.9	1.9	**1LA7090-1BJ ■■**	12	0.0028	10
0.22	**0.3**	**90 L**	705	3.0	47.7	0.60	1.11	1.4	2.5	2.1	955	3.0	48.7	0.75	1.19	1.2	3.1	1.9	**1LA7096-1BJ ■■**	15	0.0035	10
0.37	**0.55**	**100 L**	700	5.0	48.8	0.63	1.74	0.9	2.8	1.9	955	5.5	60.9	0.74	1.76	1.4	3.8	1.9	**1LA7106-1BJ ■■**	20	0.0048	10
0.45	**0.7**	**100 L**	700	6.1	51.8	0.65	1.93	0.9	2.8	1.9	955	7.5	60.9	0.75	2.35	1.4	3.8	2.0	**1LA7107-1BJ ■■**	22	0.0058	10
0.6	**0.85**	**112 M**	715	8.0	50.9	0.59	2.90	1.1	3.1	2.1	970	8.4	64.0	0.66	2.90	1.5	4.4	2.3	**1LA7113-1BJ ■■**	29	0.011	10
0.75	**1.1**	**132 S**	730	9.8	62.9	0.62	2.80	1.7	3.7	2.3	980	11	67.0	0.68	3.50	1.7	4.5	2.3	**1LA7130-1BJ ■■**	39	0.018	10
1	**1.5**	**132 M**	730	14	66.0	0.60	4.00	1.8	3.9	2.4	980	15	69.1	0.68	4.60	1.9	4.9	2.4	**1LA7133-1BJ ■■**	46	0.024	10
1.6	**2.2**	**160 M**	730	20	76.1	0.58	4.90	1.4	3.9	2.1	980	21	72.2	0.66	6.7	1.7	5.1	2.4	**1LA7163-1BJ ■■**	67	0.040	10
2.4	**3.5**	**160 L**	730	31	77.2	0.58	7.7	1.6	4.1	2.2	980	34	76.3	0.69	9.6	1.8	5.3	2.3	**1LA7166-1BJ ■■**	85	0.054	10
3	**4.5**	**180 M**	730	39	82.7	0.61	8.6	1.2	3.9	1.6	980	44	82.3	0.76	10.4	1.8	5.0	2.2	**1LA5183-1BJ ■■**	114	0.081	10
3.7	**5.5**	**180 L**	725	49	81.8	0.62	10.5	1.1	3.9	1.6	975	54	84.9	0.76	12.3	1.9	5.0	2.2	**1LA5186-1BJ ■■**	128	0.094	10
5	**8**	**200 L**	730	65	82.3	0.64	13.7	1.2	3.6	1.8	975	78	84.5	0.81	16.9	1.9	5.0	2.2	**1LA5207-1BJ ■■**	157	0.16	10
Data for 8/4-pole: 750/1500 rpm at 50 Hz																						
750 rpm	*1500 rpm*		*750 rpm*								*1500 rpm*											
0.15	**0.7**	**90 S**	705	2.0	45.6	0.63	0.75	1.3	2.5	1.9	1430	4.7	67.9	0.83	1.79	1.3	4.3	1.9	**1LA7090-1BJ ■■**	12	0.0028	10
0.22	**0.95**	**90 L**	705	3.0	47.7	0.60	1.11	1.4	2.5	2.1	1435	6.3	72.0	0.81	2.35	1.4	4.6	2.2	**1LA7096-1BJ ■■**	15	0.0035	10
0.37	**1.5**	**100 L**	700	5.0	48.8	0.63	1.74	0.9	2.8	1.9	1400	10	74.1	0.88	3.30	1.5	4.7	2.1	**1LA7106-1BJ ■■**	20	0.0048	10
0.45	**1.8**	**100 L**	700	6.1	51.8	0.65	1.93	0.9	2.8	1.9	1400	12	73.1	0.89	4.00	1.7	4.7	2.1	**1LA7107-1BJ ■■**	22	0.0058	10
0.6	**2.4**	**112 M**	715	8.0	50.9	0.59	2.90	1.1	3.1	2.1	1445	15	77.2	0.86	4.80	1.9	6.0	2.5	**1LA7113-1BJ ■■**	29	0.011	10
0.75	**3.1**	**132 S**	730	9.8	62.9	0.62	2.80	1.7	3.7	2.3	1460	20	75.2	0.81	7.3	1.5	5.5	2.5	**1LA7130-1BJ ■■**	39	0.018	10
1	**4.4**	**132 M**	730	14	66.0	0.60	4.00	1.8	3.9	2.4	1460	29	77.3	0.83	9.9	1.6	5.8	2.5	**1LA7133-1BJ ■■**	46	0.024	10
1.6	**6.6**	**160 M**	730	20	76.1	0.58	4.90	1.4	3.9	2.1	1470	43	81.4	0.81	14.4	1.7	7.0	2.7	**1LA7163-1BJ ■■**	67	0.040	10
2.4	**10**	**160 L**	730	31	77.2	0.58	7.7	1.6	4.1	2.2	1470	65	83.5	0.82	21	2.0	7.7	3.0	**1LA7166-1BJ ■■**	85	0.054	10
3	**13**	**180 M**	730	39	82.7	0.61	8.6	1.2	3.9	1.6	1470	84	86.1	0.84	26	1.3	5.4	2.3	**1LA5183-1BJ ■■**	114	0.081	10
3.7	**16**	**180 L**	725	49	81.8	0.62	10.5	1.1	3.9	1.6	1465	104	86.1	0.85	31.5	1.3	5.4	2.3	**1LA5186-1BJ ■■**	128	0.094	10
5	**22**	**200 L**	730	65	82.3	0.64	13.7	1.2	3.6	1.8	1465	143	87.7	0.85	42.5	1.3	5.4	2.6	**1LA5207-1BJ ■■**	157	0.16	10

Voltages		No. of poles	Motor type 1LA7	Motor type 1LA5	Version		Order code(s)
50 Hz	230 V	8/6/4	1LA7090 ... 166	1LA5183 ... 207	**Standard**	**1**	–
Direct switch-on	400 V	8/6/4	1LA7090 ... 166	1LA5183 ... 207	**Standard**	**6**	–
	500 V	8/6/4	1LA7090 ... 166	1LA5183 ... 207	Without add. charge	**5**	–
	690 V	8/6/4	1LA7090 ... 166	1LA5183 ... 207	Without add. charge	**0**	–
Further voltages [1]	For additional charges, code numbers and descriptions, see supplements and special versions.					**9**	. . .

Types of construction		No. of poles	Motor type 1LA7	Motor type 1LA5	Version		Order code(s)
Without flange	IM B3/6/7/8, IM V6, IM V5 without protective cover	8/6/4	1LA7090 ... 166	1LA5183 ... 207	**Standard**	**0**	–
With flange	IM B5, IM V1 without protective cover [2]	8/6/4	1LA7090 ... 166	1LA5183 ... 207	With add. charge	**1**	–
	IM V3	8/6/4	1LA7090 ... 166	–	With add. charge	**1**	–
		8/6/4	–	1LA5183 ... 207	With add. charge	**9**	**M1G**
	IM V1 with protective cover [2] [3]	4/2, 6/4, 8/4	1LA7090 ... 166	1LA5183 ... 207	With add. charge	**4**	–
	IM B35	4/2, 6/4, 8/4	1LA7090 ... 166	1LA5183 ... 207	With add. charge	**6**	–
With standard flange	IM B14, IM V19, IM V18 without protective cover	4/2, 6/4, 8/4	1LA7090 ... 166	–	With add. charge	**2**	–
	IM B34	4/2, 6/4, 8/4	1LA7090 ... 166	–	With add. charge	**7**	–
With special flange	IM B14, IM V19, IM V18 without protective cover	4/2, 6/4, 8/4	1LA7090 ... 166	–	With add. charge	**3**	–
Further types of construction	For additional charges, code numbers and descriptions, see supplements and special versions.					**9**	. . .

Special versions			Order code(s)
Options	For add. charges, code numbers and descriptions, see suppl. and special versions.	**1LA . . . . - . . . ■■ -Z**	. . .+. . .+. . .+. . .

[1] Operating values at rated output for 60 Hz are available on request.

[2] 1LA5 motors can be supplied as an option with two additional eyebolts – specify order code K32.

[3] The "Second shaft extension" option, order code K16 is not possible.