Rated output at 50 Hz			Frame size	Rated speed n rated at 50 Hz			Rated torque at 50 Hz			Efficiency at 50 Hz 4/4-load			Power factor at 50 Hz 4/4-load			Rated current I rated at 50 Hz			Order No.	Price	Weight motor
750 rpm	1000 rpm	1500 rpm		750 rpm	1000 rpm	1500 rpm	750 rpm	1000 rpm	1500 rpm	750 rpm	1000 rpm	1500 rpm	750 rpm	1000 rpm	1500 rpm	750 rpm	1000 rpm	1500 rpm			
P_{rated}			FS	n_{rated}			T_{rated}			η_{rated}			$\cos\varphi_{rated}$			I_{rated}					*m*
kW	kW	kW		rpm	rpm	rpm	Nm	Nm	Nm	%	%	%				A	A	A			kg
8/6/4-pole, 750/1000/1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Triple pole-changing for driving fans with two windings, of which 750/1500 rpm in a Dahlander circuit																					
0.15	0.22	0.7	90 S	705	960	1430	2	2.3	4.7	48	56	70	0.63	0.69	0.83	0.72	0.82	1.74	**1LA7 090-1BJ❑❑**		12
0.22	0.3	0.95	90 L	705	955	1435	3	3	6.4	50	51	74	0.6	0.75	0.81	1.06	1.13	2.3	**1LA7 096-1BJ❑❑**		15
0.37	0.55	1.5	100 L	700	955	1400	5	5.5	10	51	63	76	0.63	0.74	0.88	1.66	1.71	3.25	**1LA7 106-1BJ❑❑**		20
0.45	0.7	1.8	100 L	700	970	1400	6.1	7	12	54	63	75	0.65	0.75	0.89	1.85	2.15	3.9	**1LA7 107-1BJ❑❑**		22
0.6	0.85	2.4	112 M	715	970	1445	8	8.4	16	53	66	79	0.59	0.66	0.86	2.75	2.8	5.1	**1LA7 113-1BJ❑❑**		29
0.75	1.1	3.1	132 S	730	980	1460	9.8	11	20	65	69	77	0.62	0.68	0.81	2.7	3.4	7.2	**1LA7 130-1BJ❑❑**		39
1	1.5	4.4	132 M	730	980	1460	13	15	29	68	71	79	0.6	0.68	0.83	3.55	4.5	9.7	**1LA7 133-1BJ❑❑**		46
1.6	2.2	6.6	160 M	730	980	1470	21	21	43	78	74	83	0.58	0.66	0.81	5.1	6.5	14.2	**1LA7 163-1BJ❑❑**		67
2.4	3.5	10	160 L	730	980	1470	31	34	65	79	78	85	0.58	0.69	0.82	7.6	9.4	20.7	**1LA7 166-1BJ❑❑**		85
3	4.5	13	180 M	730	980	1470	40	44	85	84.5	84	87.5	0.61	0.76	0.84	8.4	10.2	25.5	**1LA5 183-1BJ❑❑**		114
3.7	5.5	16	180 L	725	975	1465	49	54	104	83.5	86.5	87.5	0.62	0.76	0.85	10.3	12.1	31	**1LA5 186-1BJ❑❑**		128
5	8	22	200 L	730	975	1465	65	78	143	84	86	89	0.64	0.81	0.85	13.4	16.6	42	**1LA5 207-1BJ❑❑**		157

Order No. supplements

Motor type	**Penultimate position: Voltage code**				**Final position: Type of construction code**						
	50 Hz, direct online starting				Without flange	With flange			With standard flange		With special flange
	230 V	400 V	500 V	690 V	IM B3, IM B6/7/8, IM V6/5 without protective cover	IM B5, IM V1 without protective cover, IM V3 [1]	IM V1 with protective cover [1) 2)]	IM B35	IM B14, IM V19 IM V18 without protective cover	IM B34	IM B14 IM V19 IM V18 without protective cover
	1	**6**	**5**	**0**	**0**	**1**	**4**	**6**	**2**	**7**	**3**
1LA7 09 . - . . . ❑❑	○	○	○	○	□	✓	✓	✓	✓	✓	✓
1LA7 10 . - . . . ❑❑	○	○	○	○	□	✓	✓	✓	✓	✓	✓
1LA7 11 . - . . . ❑❑	○	○	○	○	□	✓	✓	✓	✓	✓	✓
1LA7 13 . - . . . ❑❑	○	○	○	○	□	✓	✓	✓	✓	✓	✓
1LA7 16 . - . . . ❑❑	○	○	○	○	□	✓	✓	✓	✓	✓	✓
1LA5 18 . - . . . ❑❑	○	○	○	○	□	✓ [3)]	✓	✓	–	–	–
1LA5 20 . - . . . ❑❑	○	○	○	○	□	✓ [3)]	✓	✓	–	–	–

□ Standard version
○ Without additional charge
✓ With additional charge
– Not possible

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (see “Special versions” in the “Options” under “Voltages”).

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see “Special versions” in the “Options” under “Types of construction”).

1) For type of construction IM V1 with/without protective cover, motors 1LA5 183-... to 1LA5 223-... (motor series 1LA5 frame sizes 180 M to 225 M) can be supplied with two additional eyebolts; specify order supplement “**Z**” and order code **K32**.

2) The “Second shaft extension” option, order code **K16** is not possible.

3) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

Order No.	Locked-rotor torque	Locked-rotor torque	Locked-rotor torque	Locked-rotor current	Locked-rotor current	Locked-rotor current	Break-down torque	Break-down torque	Break-down torque	Torque class	Moment of inertia	Mechani-cal limit speed at maximum supply fre-quency
	with direct starting as multiple of rated											
	torque 750 rpm	torque 1000 rpm	torque 1500 rpm	current 750 rpm	current 1000 rpm	current 1500 rpm	torque 750 rpm	torque 1000 rpm	torque 1500 rpm			
	T_{LR}/T_{rated}	T_{LR}/T_{rated}	T_{LR}/T_{rated}	I_{LR}/I_{rated}	I_{LR}/I_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	T_B/T_{rated}	T_B/T_{rated}	CL	J kgm^2	$n_{max.}$ rpm
8/6/4-pole, 750/1000/1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Triple pole-changing for driving fans with two windings, of which 750/1500 rpm in a Dahlander circuit												
1LA7 090-1BJ❑❑	1.3	1.3	1.3	2.5	2.9	4.3	1.9	1.9	1.9	10	0.0028	4200
1LA7 096-1BJ❑❑	1.4	1.2	1.4	2.5	3.1	4.6	2.1	1.9	2.2	10	0.0035	4200
1LA7 106-1BJ❑❑	0.9	1.2	1.5	2.8	3.8	4.7	1.9	1.9	2.1	7	0.0048	4200
1LA7 107-1BJ❑❑	0.9	1.2	1.7	2.8	3.8	4.7	1.9	2	2.1	7	0.0058	4200
1LA7 113-1BJ❑❑	1.1	1.3	1.9	3.1	4.4	6	2.1	2.3	2.5	7	0.011	4200
1LA7 130-1BJ❑❑	1.7	1.7	1.5	3.7	4.5	5.5	2.3	2.3	2.5	10	0.018	4200
1LA7 133-1BJ❑❑	1.8	1.9	1.6	3.9	4.9	5.8	2.4	2.4	2.5	10	0.024	4200
1LA7 163-1BJ❑❑	1.4	1.7	1.7	3.9	5.1	7	2.1	2.4	2.7	7	0.04	4200
1LA7 166-1BJ❑❑	1.6	1.8	2	4.1	5.3	7.7	2.2	2.3	3	7	0.054	4200
1LA5 183-1BJ❑❑	1.2	1.8	1.3	3.9	5	5.4	1.6	2.2	2.3	7	0.081	4200
1LA5 186-1BJ❑❑	1.1	1.9	1.3	3.9	5	5.4	1.6	2.2	2.3	7	0.094	4200
1LA5 207-1BJ❑❑	1.2	1.9	1.3	3.6	5	5.4	1.8	2.2	2.6	7	0.16	4200