Rated output at 50 Hz,		Frame size	Rated speed 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 at 400 V, 50 Hz		Order No.	Price	Weight motor
1500 rpm	3000 rpm		1500 rpm	3000 rpm	1500 rpm	3000 rpm	1500 rpm	3000 rpm	1500 rpm	3000 rpm	1500 rpm	3000 rpm			
P_{rated}		FS	n_{rated}		T_{rated}		η_{rated}		$\cos\varphi_{rated}$		I_{rated}				m
kW	kW		rpm	rpm	Nm	Nm	%	%			A	A			kg
4/2-pole, 1500/3000 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Double pole-changing for driving fans with a winding in a Dahlander circuit															
4.8	18	180 M	1465	2935	31	59	89.0	84.8	0.86	0.92	9.1	33.5	**1LG4 183-0BA❑❑**		155
5.8	21.5	180 L	1470	2950	38	70	88.1	87.5	0.85	0.93	11.2	38.5	**1LG4 186-0BA❑❑**		180
8.4	31	200 L	1475	2950	55	101	90.9	88.5	0.87	0.92	15.5	55	**1LG4 207-0BA❑❑**		225
10.5	38	225 S	1475	2955	68	123	90.8	87.9	0.85	0.92	20	68	**1LG4 220-0BA❑❑**		290
13	45	225 M	1475	2960	84	145	91.4	90.0	0.89	0.93	23	78	**1LG4 223-0BA❑❑**		330
15	55	250 M	1480	2960	97	177	91.9	88.0	0.86	0.89	27	102	**1LG4 253-0BA❑❑**		390
18	67	280 S	1490	2970	115	215	92.0	89.2	0.87	0.90	32.5	120	**1LG4 280-0BA❑❑**		520
22	80	280 M	1490	2975	141	257	92.9	91.2	0.86	0.91	39.5	140	**1LG4 283-0BA❑❑**		560
26	90	315 S	1492	2978	166	289	93.7	90.7	0.84	0.88	47	162	**1LG4 310-0BA❑❑**		730
32	110	315 M	1492	2976	205	353	93.6	90.5	0.87	0.93	57	190	**1LG4 313-0BA❑❑**		810
35	140	315 L	1492	2974	224	450	94.5	93.2	0.87	0.93	62	230	**1LG4 316-0BA❑❑**		960
45	170	315 L	1492	2976	288	546	94.9	93.8	0.88	0.94	78	280	**1LG4 317-0BA❑❑**		1060

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 B3/6/7/8, IM V6, IM V5 without protective cover [1]	IM B5, IM V1 without protective cover, IM V3 [2]	IM V1 without protective cover [2]	IM V1 with protective cover [2] [3]	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**	**8**	**4**	**6**	**2**	**7**	**3**
1LG4 18 . - . . . ❑❑	○	○	○	○	◘	✓ [4]	–	✓	✓	–	–	–
1LG4 20 . - . . . ❑❑	○	○	○	○	◘	✓ [4]	–	✓	✓	–	–	–
1LG4 22 . - . . . ❑❑	○	○	○	○	◘	✓ [4]	–	✓	✓	–	–	–
1LG4 25 . - . . . ❑❑	○	○	○	○	◘	✓ [4]	–	✓	✓	–	–	–
1LG4 28 . - . . . ❑❑	○	○	○	○	◘	✓ [4]	–	✓	✓	–	–	–
1LG4 310 - . . . ❑❑ **1LG4 313 - . . . ❑❑**	○	○	○	○	◘	✓ [4]	–	✓	✓	–	–	–
1LG4 316 - . . . ❑❑ **1LG4 317 - . . . ❑❑**	–	○	○	○	◘ [5]	–	✓	✓	✓	–	–	–

◘ 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) If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7, IM V6 or IM V5 without protective cover are fixed to the wall, it is recommended that the motor feet are supported.

2) Motors 1LG4 220-... to 1LG4 318-... (motor series 1LG4 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. IIt is important to note that stress must not be applied perpendicular to the ring plane.

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

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

5) Type of construction IM V6/IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** and **M1D**.

Order No.	Locked-rotor torque with direct starting as multiple of rated torque 1500 rpm T_{LR}/T_{rated}	Locked-rotor torque with direct starting as multiple of rated torque 3000 rpm T_{LR}/T_{rated}	Locked-rotor current with direct starting as multiple of rated current 1500 rpm I_{rated}/I_{rated}	Locked-rotor current with direct starting as multiple of rated current 3000 rpm I_{rated}/I_{rated}	Break-down torque with direct starting as multiple of rated torque 1500 rpm T_B/T_{rated}	Break-down torque with direct starting as multiple of rated torque 3000 rpm T_B/T_{rated}	Torque class CL	Moment of inertia J kgm^2	Mechanical limit speed at maximum supply frequency $n_{max.}$ rpm
4/2-pole, 1500/3000 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Double pole-changing for driving fans with a winding in a Dahlander circuit									
1LG4 183-0BA❑❑	2.3	2.5	7.5	8.1	2.8	3.0	10	0.12	4600
1LG4 186-0BA❑❑	2.0	2.3	6.8	7.7	2.8	3.3	10	0.14	4600
1LG4 207-0BA❑❑	2.5	2.8	7.6	8.7	3.1	3.5	10	0.23	4500
1LG4 220-0BA❑❑	2.3	2.4	6.7	7.5	2.8	3.1	10	0.40	4500
1LG4 223-0BA❑❑	2.2	2.5	6.2	8.1	2.6	3.5	10	0.49	4500
1LG4 253-0BA❑❑	2.2	2.3	6.2	6.6	2.0	3.0	10	0.69	3900
1LG4 280-0BA❑❑	2.5	2.3	7.0	7.6	2.8	3.3	10	1.20	3600
1LG4 283-0BA❑❑	2.2	2.1	6.1	7.5	2.4	2.9	10	1.40	3600
1LG4 310-0BA❑❑	2.4	1.9	8.4	8.1	2.9	3.3	10	1.90	3600
1LG4 313-0BA❑❑	2.3	1.7	7.6	6.7	2.9	2.9	10	2.30	3600
1LG4 316-0BA❑❑	2.2	1.8	7.6	7.1	2.6	2.6	10	2.90	3600 [1)]
1LG4 317-0BA❑❑	2.2	1.9	7.5	7.4	2.7	2.8	10	3.50	3600 [1)]

[1)] This is only valid for horizontal installation – reduction to 3000 rpm with vertical installation

Rated output at 50 Hz,		Frame size	Rated speed 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 at 400 V, 50 Hz		Order No.	Price	Weight motor
1000 rpm	1500 rpm		1000 rpm	1500 rpm	1000 rpm	1500 rpm	1000 rpm	1500 rpm	1000 rpm	1500 rpm	1000 rpm	1500 rpm			
P_{rated}		FS	n_{rated}		T_{rated}		η_{rated}		$\cos\varphi_{rated}$		I_{rated}				m
kW	kW		rpm	rpm	Nm	Nm	%	%			A	A			kg
6/4-pole, 1000/1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Double pole-changing for driving fans with two windings															
5.5	16	180 M	960	1460	55	105	81.3	88.8	0.82	0.83	12	31.5	**1LG4 183-1BD❑❑**		155
6.5	19	180 L	960	1460	65	124	81.4	89.3	0.82	0.84	14	36.5	**1LG4 186-1BD❑❑**		175
9.5	26	200 L	975	1460	93	170	84	90.3	0.82	0.85	20	49	**1LG4 207-1BD❑❑**		235
12	34	225 S	980	1465	117	222	86.2	90.8	0.82	0.86	24.5	63	**1LG4 220-1BD❑❑**		285
14.5	40	225 M	980	1470	141	260	88	92.2	0.83	0.87	28.5	72	**1LG4 223-1BD❑❑**		340
18	52	250 M	980	1475	175	337	88.7	93.3	0.86	0.88	34	91	**1LG4 253-1BD❑❑**		380
25	70	280 S	980	1480	243	452	89.3	92.4	0.86	0.88	47	124	**1LG4 280-1BD❑❑**		540
30	82	280 M	985	1480	291	529	90.3	93	0.86	0.86	56	148	**1LG4 283-1BD❑❑**		580
33	92	315 S	990	1490	319	591	90.5	92.6	0.84	0.82	63	176	**1LG4 310-1BD❑❑**		730
45	120	315 M	990	1485	435	771	91.0	94.3	0.84	0.86	85	215	**1LG4 313-1BD❑❑**		810
50	150	315 L	990	1485	483	966	91.0	94.5	0.85	0.87	93	260	**1LG4 316-1BD❑❑**		990
55	170	315 L	990	1490	532	1092	90.8	94.6	0.86	0.84	102	310	**1LG4 317-1BD❑❑**		1060

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 [1]	IM B5, IM V1 without protective cover [2]	IM V1 without protective cover [2]	IM V1 with protective cover [2] [3]	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**	**8**	**4**	**6**	**2**	**7**	**3**
1LG4 18 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 20 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 22 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 25 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 28 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 310 - . . . ❑❑ **1LG4 313 - . . . ❑❑**	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 316 - . . . ❑❑ **1LG4 317 - . . . ❑❑**	–	○	○	○	❑ [5]	–	✓	✓	✓	–	–	–

❑ 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) If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7, IM V6 or IM V5 without protective cover are fixed to the wall, it is recommended that the motor feet are supported.

2) Motors 1LG4 220-... to 1LG4 318-... (motor series 1LG4 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

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

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

5) Type of construction IM V6/IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** and **M1D**.

Order No.	Locked-rotor torque with direct starting torque 1000 rpm	Locked-rotor torque as multiple of rated torque 1500 rpm	Locked-rotor current current 1000 rpm	Locked-rotor current current 1500 rpm	Breakdown torque torque 1000 rpm	Breakdown torque torque 1500 rpm	Torque class	Moment of inertia	Mechanical limit speed at maximum supply frequency
	T_{LR}/T_{rated}	T_{LR}/T_{rated}	I_{LR}/I_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	T_B/T_{rated}	CL	J kgm^2	n_{max} rpm
6/4-pole, 1000/1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Double pole-changing for driving fans with two windings									
1LG4 183-1BD❑❑	1.6	1.7	4	5.3	1.8	2.5	10	0.08	4200
1LG4 186-1BD❑❑	1.6	1.7	4	5.2	1.8	2.4	10	0.08	4200
1LG4 207-1BD❑❑	1.9	1.7	5	5.1	2.2	2.4	10	0.15	4200
1LG4 220-1BD❑❑	2.3	1.7	5.7	5.6	2.1	2.3	10	0.29	4500
1LG4 223-1BD❑❑	2.2	1.9	5.6	5.8	2.1	2.3	10	0.37	4500
1LG4 253-1BD❑❑	2	2	4.9	5.9	2	2.7	10	0.44	3700
1LG4 280-1BD❑❑	2.1	2.2	5	6.2	1.9	2.6	10	1.19	3000
1LG4 283-1BD❑❑	2.5	2.4	5.5	6.6	2.2	2.8	10	1.39	3000
1LG4 310-1BD❑❑	2.5	2.4	5.9	6.7	2.5	2.9	10	1.90	2600
1LG4 313-1BD❑❑	2.4	2.3	5.4	6.4	2.3	2.8	10	2.30	2600
1LG4 316-1BD❑❑	2.4	2.0	5.2	5.9	2.1	2.3	10	2.50	2600
1LG4 317-1BD❑❑	2.3	2.7	5.6	7.9	2.1	3.1	10	3.50	2600

Rated output at 50 Hz,		Frame size	Rated speed 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 at 400 V, 50 Hz		Order No.	Price	Weight motor
750 rpm	1500 rpm		750 rpm	1500 rpm	750 rpm	1500 rpm	750 rpm	1500 rpm	750 rpm	1500 rpm	750 rpm	1500 rpm			
P_{rated}		FS	n_{rated}		T_{rated}		η_{rated}		$\cos\varphi_{rated}$		I_{rated}				m
kW	kW		rpm	rpm	Nm	Nm	%	%			A	A			kg
8/4-pole, 750/1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Double pole-changing for driving fans with a winding in a Dahlander circuit															
4.5	16	180 M	725	1465	59	104	81.6	88.6	0.63	0.84	12.6	31	**1LG4 183-0BB❑❑**		155
5	18.5	180 L	725	1470	66	120	82.5	91	0.62	0.85	14.2	35	**1LG4 186-0BB❑❑**		180
7.5	28	200 L	730	1465	98	183	84.7	91	0.6	0.86	21.5	52	**1LG4 207-0BB❑❑**		220
9.5	35	225 S	738	1478	123	226	86	92	0.61	0.86	26	64	**1LG4 220-0BB❑❑**		295
11.5	42	225 M	738	1475	149	272	87.8	92.7	0.62	0.87	30.5	75	**1LG4 223-0BB❑❑**		330
14.5	52	250 M	740	1480	187	335	88.3	93.2	0.62	0.86	38	94	**1LG4 253-0BB❑❑**		430
19	70	280 S	740	1480	245	451	90.7	94	0.62	0.86	49	124	**1LG4 280-0BB❑❑**		530
23	83	280 M	740	1485	296	534	91	94.2	0.63	0.87	58	146	**1LG4 283-0BB❑❑**		665
26	95	315 S	742	1484	334	610	91.5	94.2	0.62	0.85	66	172	**1LG4 310-0BB❑❑**		730
30	115	315 M	744	1488	385	738	91.5	94.0	0.58	0.83	82	215	**1LG4 313-0BB❑❑**		810
35	140	315 L	744	1486	449	899	92.5	95.0	0.62	0.86	88	245	**1LG4 316-0BB❑❑**		960
45	175	315 L	744	1490	577	1125	92.5	95.0	0.57	0.84	124	315	**1LG4 317-0BB❑❑**		1090

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 [1]	IM B5, IM V1 without protective cover [2]	IM V1 without protective cover [2]	IM V1 with protective cover [2] [3]	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**	**8**	**4**	**6**	**2**	**7**	**3**
1LG4 18 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 20 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 22 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 25 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 28 . - . . . ❑❑	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 310 - . . . ❑❑ **1LG4 313 - . . . ❑❑**	○	○	○	○	❑	✓ [4]	–	✓	✓	–	–	–
1LG4 316 - . . . ❑❑ **1LG4 317 - . . . ❑❑**	–	○	○	○	❑ [5]	–	✓	✓	✓	–	–	–

❑ 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) If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7, IM V6 or IM V5 without protective cover are fixed to the wall, it is recommended that the motor feet are supported.

2) Motors 1LG4 220-... to 1LG4 318-... (motor series 1LG4 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

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

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

5) Type of construction IM V6/IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** and **M1D**.

Order No.	Locked-rotor torque with direct starting torque 750 rpm	Locked-rotor torque as multiple of rated torque 1500 rpm	Locked-rotor current current 750 rpm	Locked-rotor current current 1500 rpm	Breakdown torque torque 750 rpm	Breakdown torque torque 1500 rpm	Torque class	Moment of inertia	Mechanical limit speed at maximum supply frequency
	T_{LR}/T_{rated}	T_{LR}/T_{rated}	I_{LR}/I_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	T_B/T_{rated}	CL	J kgm²	n_{max} rpm
8/4-pole, 750/1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection Double pole-changing for driving fans with a winding in a Dahlander circuit									
1LG4 183-0BB❑❑	1.4	2.2	3.6	6.8	2	3.1	10	0.11	4200
1LG4 186-0BB❑❑	1.6	2.4	3.7	7.2	2.1	3.3	10	0.14	4200
1LG4 207-0BB❑❑	2.1	2.7	4.3	7.3	2.5	2.9	10	0.19	4200
1LG4 220-0BB❑❑	2	1.7	4.4	6.9	2.3	2.9	10	0.44	4500
1LG4 223-0BB❑❑	1.9	2.4	4.5	6.9	2.2	3	10	0.48	4500
1LG4 253-0BB❑❑	2	2.5	4	6.8	1.8	2.6	10	0.85	3700
1LG4 280-0BB❑❑	1.8	2	4	6.3	1.8	2.5	10	1.19	3000
1LG4 283-0BB❑❑	1.9	2.2	4.2	7.2	1.8	2.7	10	1.71	3000
1LG4 310-0BB❑❑	1.9	2.3	4.6	6.5	1.9	2.6	10	1.90	2600
1LG4 313-0BB❑❑	2.1	2.5	5.0	7.4	2.1	2.7	10	2.30	2600
1LG4 316-0BB❑❑	2.0	2.4	4.7	7.0	2.1	2.6	10	2.90	2600
1LG4 317-0BB❑❑	2.1	3.1	4.7	7.5	2.2	3.0	10	4.20	2600