Data sheets - Siemens SIMOTICS GP / SD motors 0.09 kW / 750 rpm

5 article numbers in this file (revised 2026-10-23, Siemens catalog D 81.1, edition 12/2021)

Article No.	Page
1LE1002-0CD22-2AA4	2
1LE1002-0CD22-2FA4	3
1LE1002-0CD22-2KA4	4
1LE1501-0CD22-2AA4	5
1LE1501-0CD22-2FA4	6

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Data sheet 1LE1002-0CD22-2AA4

Series 1LE1002 - 0.09 kW / 750 rpm | Frame 71 M | 8 poles | IM B3

GENERAL DATA

Article No.	1LE1002-0CD22-2AA4
Series / efficiency class	1LE1002 / no IE class (below 0.12 kW, outside IEC 60034-30-1)
Housing	Aluminum
Frame size	71 M
Poles	8
Type of construction	IM B3
Degree of protection	IP55
Duty type	S1
Insulation	Thermal class 155 (F), utilized to 130 (B)
Voltage	230 D / 400 Y V (50 Hz)
Net weight (IM B3)	6 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.09 kW (about 0.12 HP)
Rated power 60 Hz	0.11 kW
Rated speed	635 rpm
Rated torque	1.35 Nm
Rated current at 400 V	0.53 A
Power factor cos phi	0.63
Efficiency 4/4 | 3/4 | 2/4	39.0 | 35.7 | 28.6 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.8 | 1.8 | 2.0
Moment of inertia J	0.00055 kgm2
Sound pressure / power LpfA | LWA	49 | 56 dB(A)

SOURCE OF DATA

Siemens catalog D 81.1, edition 12/2021, table 1LE1002, p. 3/52. 60 Hz speed and efficiency are not listed in the catalog (see Siemens DT Configurator).

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Data sheet 1LE1002-0CD22-2FA4

Series 1LE1002 - 0.09 kW / 750 rpm | Frame 71 M | 8 poles | IM B5

GENERAL DATA

Article No.	1LE1002-0CD22-2FA4
Series / efficiency class	1LE1002 / no IE class (below 0.12 kW, outside IEC 60034-30-1)
Housing	Aluminum
Frame size	71 M
Poles	8
Type of construction	IM B5
Degree of protection	IP55
Duty type	S1
Insulation	Thermal class 155 (F), utilized to 130 (B)
Voltage	230 D / 400 Y V (50 Hz)
Net weight (IM B3)	6 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.09 kW (about 0.12 HP)
Rated power 60 Hz	0.11 kW
Rated speed	635 rpm
Rated torque	1.35 Nm
Rated current at 400 V	0.53 A
Power factor cos phi	0.63
Efficiency 4/4 | 3/4 | 2/4	39.0 | 35.7 | 28.6 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.8 | 1.8 | 2.0
Moment of inertia J	0.00055 kgm2
Sound pressure / power LpfA | LWA	49 | 56 dB(A)

SOURCE OF DATA

Siemens catalog D 81.1, edition 12/2021, table 1LE1002, p. 3/52. 60 Hz speed and efficiency are not listed in the catalog (see Siemens DT Configurator).

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Data sheet 1LE1002-0CD22-2KA4

Series 1LE1002 - 0.09 kW / 750 rpm | Frame 71 M | 8 poles | IM B14

GENERAL DATA

Article No.	1LE1002-0CD22-2KA4
Series / efficiency class	1LE1002 / no IE class (below 0.12 kW, outside IEC 60034-30-1)
Housing	Aluminum
Frame size	71 M
Poles	8
Type of construction	IM B14
Degree of protection	IP55
Duty type	S1
Insulation	Thermal class 155 (F), utilized to 130 (B)
Voltage	230 D / 400 Y V (50 Hz)
Net weight (IM B3)	6 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.09 kW (about 0.12 HP)
Rated power 60 Hz	0.11 kW
Rated speed	635 rpm
Rated torque	1.35 Nm
Rated current at 400 V	0.53 A
Power factor cos phi	0.63
Efficiency 4/4 | 3/4 | 2/4	39.0 | 35.7 | 28.6 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.8 | 1.8 | 2.0
Moment of inertia J	0.00055 kgm2
Sound pressure / power LpfA | LWA	49 | 56 dB(A)

SOURCE OF DATA

Siemens catalog D 81.1, edition 12/2021, table 1LE1002, p. 3/52. 60 Hz speed and efficiency are not listed in the catalog (see Siemens DT Configurator).

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Data sheet 1LE1501-0CD22-2AA4

Series 1LE1501 - 0.09 kW / 750 rpm | Frame 71 M | 8 poles | IM B3

GENERAL DATA

Article No.	1LE1501-0CD22-2AA4
Series / efficiency class	1LE1501 / no IE class (below 0.12 kW, outside IEC 60034-30-1)
Housing	Cast iron
Frame size	71 M
Poles	8
Type of construction	IM B3
Degree of protection	IP55
Duty type	S1
Insulation	Thermal class 155 (F), utilized to 130 (B)
Voltage	230 D / 400 Y V (50 Hz)
Net weight (IM B3)	12 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.09 kW (about 0.12 HP)
Rated power 60 Hz	0.11 kW
Rated speed	630 rpm
Rated torque	1.36 Nm
Rated current at 400 V	0.5 A
Power factor cos phi	0.67
Efficiency 4/4 | 3/4 | 2/4	40.1 | 40.6 | 35.8 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.7 | 1.6 | 1.7
Moment of inertia J	0.00077 kgm2
Sound pressure / power LpfA | LWA	59 | 63 dB(A)

SOURCE OF DATA

Siemens catalog D 81.1, edition 12/2021, table 1LE1501, p. 3/41. 60 Hz speed and efficiency are not listed in the catalog (see Siemens DT Configurator).

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Data sheet 1LE1501-0CD22-2FA4

Series 1LE1501 - 0.09 kW / 750 rpm | Frame 71 M | 8 poles | IM B5

GENERAL DATA

Article No.	1LE1501-0CD22-2FA4
Series / efficiency class	1LE1501 / no IE class (below 0.12 kW, outside IEC 60034-30-1)
Housing	Cast iron
Frame size	71 M
Poles	8
Type of construction	IM B5
Degree of protection	IP55
Duty type	S1
Insulation	Thermal class 155 (F), utilized to 130 (B)
Voltage	230 D / 400 Y V (50 Hz)
Net weight (IM B3)	12 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.09 kW (about 0.12 HP)
Rated power 60 Hz	0.11 kW
Rated speed	630 rpm
Rated torque	1.36 Nm
Rated current at 400 V	0.5 A
Power factor cos phi	0.67
Efficiency 4/4 | 3/4 | 2/4	40.1 | 40.6 | 35.8 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.7 | 1.6 | 1.7
Moment of inertia J	0.00077 kgm2
Sound pressure / power LpfA | LWA	59 | 63 dB(A)

SOURCE OF DATA

Siemens catalog D 81.1, edition 12/2021, table 1LE1501, p. 3/41. 60 Hz speed and efficiency are not listed in the catalog (see Siemens DT Configurator).

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