Data sheets - Siemens SIMOTICS GP / SD motors 0.12 kW / 750 rpm

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Data sheet 1LE1002-0CD32-2AA4

Series 1LE1002 - 0.12 kW / 750 rpm | Frame 71 M | 8 poles | IM B3

GENERAL DATA

Article No.	1LE1002-0CD32-2AA4
Series / efficiency class	1LE1002 / IE1
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	0.12 kW (about 0.16 HP)
Rated power 60 Hz	0.14 kW
Rated speed	625 rpm
Rated torque	1.83 Nm
Rated current at 400 V	0.82 A
Power factor cos phi	0.68
Efficiency 4/4 | 3/4 | 2/4	31.0 | 30.5 | 27.1 %
I_LR/I_N | T_LR/T_N | T_B/T_N	2.0 | 1.7 | 1.7
Moment of inertia J	0.0008 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 1LE1002-0CD32-2FA4

Series 1LE1002 - 0.12 kW / 750 rpm | Frame 71 M | 8 poles | IM B5

GENERAL DATA

Article No.	1LE1002-0CD32-2FA4
Series / efficiency class	1LE1002 / IE1
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	0.12 kW (about 0.16 HP)
Rated power 60 Hz	0.14 kW
Rated speed	625 rpm
Rated torque	1.83 Nm
Rated current at 400 V	0.82 A
Power factor cos phi	0.68
Efficiency 4/4 | 3/4 | 2/4	31.0 | 30.5 | 27.1 %
I_LR/I_N | T_LR/T_N | T_B/T_N	2.0 | 1.7 | 1.7
Moment of inertia J	0.0008 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 1LE1002-0CD32-2KA4

Series 1LE1002 - 0.12 kW / 750 rpm | Frame 71 M | 8 poles | IM B14

GENERAL DATA

Article No.	1LE1002-0CD32-2KA4
Series / efficiency class	1LE1002 / IE1
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	0.12 kW (about 0.16 HP)
Rated power 60 Hz	0.14 kW
Rated speed	625 rpm
Rated torque	1.83 Nm
Rated current at 400 V	0.82 A
Power factor cos phi	0.68
Efficiency 4/4 | 3/4 | 2/4	31.0 | 30.5 | 27.1 %
I_LR/I_N | T_LR/T_N | T_B/T_N	2.0 | 1.7 | 1.7
Moment of inertia J	0.0008 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 1LE1501-0CD32-2AA4

Series 1LE1501 - 0.12 kW / 750 rpm | Frame 71 M | 8 poles | IM B3

GENERAL DATA

Article No.	1LE1501-0CD32-2AA4
Series / efficiency class	1LE1501 / IE2
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)	13 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.12 kW (about 0.16 HP)
Rated power 60 Hz	0.14 kW
Rated speed	640 rpm
Rated torque	1.79 Nm
Rated current at 400 V	0.66 A
Power factor cos phi	0.66
Efficiency 4/4 | 3/4 | 2/4	39.8 | 39.3 | 34.5 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.8 | 1.8 | 1.8
Moment of inertia J	0.001 kgm2
Sound pressure / power LpfA | LWA	48 | 59 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 1LE1501-0CD32-2FA4

Series 1LE1501 - 0.12 kW / 750 rpm | Frame 71 M | 8 poles | IM B5

GENERAL DATA

Article No.	1LE1501-0CD32-2FA4
Series / efficiency class	1LE1501 / IE2
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)	13 kg

ELECTRICAL DATA (50 Hz)

Rated power 50 Hz	0.12 kW (about 0.16 HP)
Rated power 60 Hz	0.14 kW
Rated speed	640 rpm
Rated torque	1.79 Nm
Rated current at 400 V	0.66 A
Power factor cos phi	0.66
Efficiency 4/4 | 3/4 | 2/4	39.8 | 39.3 | 34.5 %
I_LR/I_N | T_LR/T_N | T_B/T_N	1.8 | 1.8 | 1.8
Moment of inertia J	0.001 kgm2
Sound pressure / power LpfA | LWA	48 | 59 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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