Data sheets - Siemens SIMOTICS GP motors

90 kW / 1500 rpm - 18 article numbers in this file

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2DB23-4AA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE0102-2DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**600 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**159 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93 | 93.5 | 92.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 2.8**
Moment of inertia J	**1.4 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 21 (PDF 21)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE0102-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**600 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**159 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93 | 93.5 | 92.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 2.8**
Moment of inertia J	**1.4 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 21 (PDF 21)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2DB24-1AA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE0102-2DB24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**600 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**121 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93 | 93.5 | 92.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 2.8**
Moment of inertia J	**1.4 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 27 (PDF 27)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-2DB24-1FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE0102-2DB24-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**600 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**121 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93 | 93.5 | 92.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 2.8**
Moment of inertia J	**1.4 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 27 (PDF 27)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1502 (IE1)

1LE1502-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE1502-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**560 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1482 rpm**
Rated torque	**580 Nm**
Rated current	**161 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93 | 93.4 | 93.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.2 | 2.8**
Moment of inertia J	**1.4 kgm2**
Sound pressure / power LpfA | LWA	**73 | 87 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/49 (PDF 167)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2DB23-4AB4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE0101-2DB23-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**610 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**159 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.3 | 94.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.7 | 3.1**
Moment of inertia J	**1.5 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2DB23-4FB4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE0101-2DB23-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**610 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**159 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.3 | 94.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.7 | 3.1**
Moment of inertia J	**1.5 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2DB24-1AB4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE0101-2DB24-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**610 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**121 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.3 | 94.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.7 | 3.1**
Moment of inertia J	**1.5 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 29 (PDF 29)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-2DB24-1FB4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE0101-2DB24-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**610 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**121 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.3 | 94.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.7 | 3.1**
Moment of inertia J	**1.5 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 29 (PDF 29)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-2DB23-4AA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE1501-2DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**570 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1486 rpm**
Rated torque	**578 Nm**
Rated current	**159 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.3 | 93.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.6 | 3.1**
Moment of inertia J	**1.4 kgm2**
Sound pressure / power LpfA | LWA	**71 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE1501-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**570 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1486 rpm**
Rated torque	**578 Nm**
Rated current	**159 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.3 | 93.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.6 | 3.1**
Moment of inertia J	**1.4 kgm2**
Sound pressure / power LpfA | LWA	**71 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-2DB23-4AA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE1503-2DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**670 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**157 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95.2 | 95.5 | 95.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.6 | 3**
Moment of inertia J	**1.7 kgm2**
Sound pressure / power LpfA | LWA	**70 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE1503-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**670 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**579 Nm**
Rated current	**157 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95.2 | 95.5 | 95.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.6 | 3**
Moment of inertia J	**1.7 kgm2**
Sound pressure / power LpfA | LWA	**70 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1541 (IE2)

1LE1541-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE1541-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1541 / IE2**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**570 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**90 kW (about 121 HP)**
Rated power (P60 rating)	**104 kW**
Rated speed (60 Hz)	**1788 rpm**
Rated torque (60 Hz)	**481 Nm**
Rated current (460 V, 60 Hz)	**137 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**94.5 | 94.3 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.1 | 2.9 | 3.4**
Moment of inertia J	**1.4 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**78 | 92 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1541, p. 2/68 (PDF 186)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-2DB23-4AA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE1543-2DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**670 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**90 kW (about 121 HP)**
Rated power (P60 rating)	**104 kW**
Rated speed (60 Hz)	**1788 rpm**
Rated torque (60 Hz)	**481 Nm**
Rated current (460 V, 60 Hz)	**136 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**95.4 | 95.5 | 94.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8 | 2.9 | 3.3**
Moment of inertia J	**1.7 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**79 | 93 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE1543-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**670 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**90 kW (about 121 HP)**
Rated power (P60 rating)	**104 kW**
Rated speed (60 Hz)	**1788 rpm**
Rated torque (60 Hz)	**481 Nm**
Rated current (460 V, 60 Hz)	**136 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**95.4 | 95.5 | 94.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8 | 2.9 | 3.3**
Moment of inertia J	**1.7 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**79 | 93 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1504 (IE4)

1LE1504-2DB23-4AA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B3 | Article No. 1LE1504-2DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**730 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1488 rpm**
Rated torque	**578 Nm**
Rated current	**157 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**96.1 | 96.3 | 96.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.2 | 3.4**
Moment of inertia J	**2 kgm2**
Sound pressure / power LpfA | LWA	**70 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/10 (PDF 128)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1504 (IE4)

1LE1504-2DB23-4FA4

90 kW / 1500 rpm

Frame 280 M | 4 poles | IM B5 | Article No. 1LE1504-2DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**280 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**730 kg**

ELECTRICAL DATA

Rated power 50 Hz	**90 kW (about 121 HP)**
Rated power 60 Hz	**104 kW**
Rated speed (50 Hz)	**1488 rpm**
Rated torque	**578 Nm**
Rated current	**157 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**96.1 | 96.3 | 96.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.2 | 3.4**
Moment of inertia J	**2 kgm2**
Sound pressure / power LpfA | LWA	**70 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/10 (PDF 128)**

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).