# Data sheets - Siemens SIMOTICS GP motors

250 kW / 3000 rpm - 4 article numbers in this file


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محور نیرو

Tel: 0935 186 4634

info@mehvarniro.com | mehvarniro.com

# Data sheet

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

**1LE0102-3BA33-4AA4**

# 250 kW / 3000 rpm

Frame 355 M | 2 poles | IM B3 | Article No. 1LE0102-3BA33-4AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE0102 / IE1** |
| Housing | **Cast iron** |
| Frame size | **355 M** |
| Poles | **2** |
| 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) | **1620 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **250 kW (about 340 HP)** |
| Rated power 60 Hz | **-** |
| Rated speed (50 Hz) | **2985 rpm** |
| Rated torque | **800 Nm** |
| Rated current | **420 A** |
| Power factor | **0.9** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **95.2 \| 95.2 \| 93 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **6.5 \| 2 \| 2.1** |
| Moment of inertia J | **3 kgm2** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)** |

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

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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 1LE0102 (IE1)

**1LE0102-3BA34-1AA4**

# 250 kW / 3000 rpm

Frame 355 M | 2 poles | IM B3 | Article No. 1LE0102-3BA34-1AA4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE0102 / IE1** |
| Housing | **Cast iron** |
| Frame size | **355 M** |
| Poles | **2** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **525 V D** |
| Net weight (IM B3) | **1620 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **250 kW (about 340 HP)** |
| Rated power 60 Hz | **-** |
| Rated speed (50 Hz) | **2985 rpm** |
| Rated torque | **800 Nm** |
| Rated current | **320 A** |
| Power factor | **0.9** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **95.2 \| 95.2 \| 93 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **6.5 \| 2 \| 2.1** |
| Moment of inertia J | **3 kgm2** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)** |

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# Data sheet

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

**1LE0101-3BA33-4AB4**

# 250 kW / 3000 rpm

Frame 355 M | 2 poles | IM B3 | Article No. 1LE0101-3BA33-4AB4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE0101 / IE2** |
| Housing | **Cast iron** |
| Frame size | **355 M** |
| Poles | **2** |
| 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) | **1650 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **250 kW (about 340 HP)** |
| Rated power 60 Hz | **-** |
| Rated speed (50 Hz) | **2980 rpm** |
| Rated torque | **801 Nm** |
| Rated current | **420 A** |
| Power factor | **0.9** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **95 \| 95 \| 93 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **7.1 \| 2 \| 2.2** |
| Moment of inertia J | **3 kgm2** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)** |

محور نیرو
Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com

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# Data sheet

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

**1LE0101-3BA34-1AB4**

# 250 kW / 3000 rpm

Frame 355 M | 2 poles | IM B3 | Article No. 1LE0101-3BA34-1AB4

## GENERAL DATA

| | |
|---|---|
| Series / efficiency class | **1LE0101 / IE2** |
| Housing | **Cast iron** |
| Frame size | **355 M** |
| Poles | **2** |
| Degree of protection | **IP55** |
| Duty type | **S1** |
| Insulation | **Thermal class 155 (F), utilized to 130 (B)** |
| Voltage | **525 V D** |
| Net weight (IM B3) | **1650 kg** |

## ELECTRICAL DATA

| | |
|---|---|
| Rated power 50 Hz | **250 kW (about 340 HP)** |
| Rated power 60 Hz | **-** |
| Rated speed (50 Hz) | **2980 rpm** |
| Rated torque | **801 Nm** |
| Rated current | **320 A** |
| Power factor | **0.9** |
| Efficiency 4/4 \| 3/4 \| 2/4 | **95 \| 95 \| 93 %** |
| I_LR/I_N \| T_LR/T_N \| T_B/T_N | **7.1 \| 2 \| 2.2** |
| Moment of inertia J | **3 kgm2** |

## SOURCE OF DATA

| | |
|---|---|
| Catalog 1 | **Brochure 07/2014 (14050629), table 1LE0101, p. 28 (PDF 28)** |

Tel: 0935 186 4634
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محور نیرو

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