

# SINAMICS G120 standard inverters

## 0.37 kW to 250 kW (0.5 hp to 400 hp)

### Spare parts Fan units

#### Overview

The Power Module fans are designed for extra long service life. For special requirements, replacement fans are available that can be exchanged quickly and easily. The following pictures show the mounting location of the internal or external fan units as an example:



PM230 Power Module, degree of protection IP55/UL Type 12, frame size FSC, with external fan unit in heat sink



PM230 Power Module, degree of protection IP55/UL Type 12, frame size FSC, with internal fan unit above CU230P-2 Control Unit

#### Selection and ordering data

| Rated power (LO)         |      | PM230 Power Module<br>degree of protection IP55/UL Type 12 |            | External fan unit  | Internal fan unit  |                    |
|--------------------------|------|------------------------------------------------------------|------------|--------------------|--------------------|--------------------|
| kW                       | hp   | Type 6SL3223-...                                           | Frame size | Order No.          | Order No.          |                    |
| 380 ... 480 V 3 AC ±10 % |      |                                                            |            |                    |                    |                    |
| 0.37                     | 0.50 | 0DE13-7 . A0                                               | FSA        | 6SL3200-0SF21-0AA0 | 6SL3200-0SF31-0AA0 |                    |
| 0.55                     | 0.75 | 0DE15-5 . A0                                               |            |                    |                    |                    |
| 0.75                     | 1.0  | 0DE17-5 . A0                                               |            |                    |                    |                    |
| 1.1                      | 1.5  | 0DE21-1 . A0                                               |            |                    |                    |                    |
| 1.5                      | 2.0  | 0DE21-5 . A0                                               |            |                    |                    |                    |
| 2.2                      | 3.0  | 0DE22-2 . A0                                               |            |                    |                    |                    |
| 3.0                      | 4.0  | 0DE23-0 . A0                                               |            |                    |                    |                    |
| 4.0                      | 5.0  | 0DE24-0 . A0                                               | FSB        | 6SL3200-0SF22-0AA0 | 6SL3200-0SF32-0AA0 |                    |
| 5.5                      | 7.5  | 0DE25-5 . A0                                               |            |                    |                    |                    |
| 7.5                      | 10   | 0DE27-5 . A0                                               |            |                    |                    |                    |
| 11.0                     | 15   | 0DE31-1 . A0                                               | FSC        | 6SL3200-0SF23-0AA0 |                    |                    |
| 15.0                     | 20   | 0DE31-5 . A0                                               |            |                    |                    |                    |
| 18.5                     | 25   | 0DE31-8AA0                                                 |            |                    |                    |                    |
| 18.5                     | 25   | 0DE31-8BA0                                                 | FSD        | 6SL3200-0SF24-0AA0 |                    |                    |
| 22                       | 30   | 0DE32-2 . A0                                               |            |                    |                    |                    |
| 30                       | 40   | 0DE33-0 . A0                                               |            |                    |                    |                    |
| 37                       | 50   | 0DE33-7 . A0                                               | FSE        |                    |                    |                    |
| 45                       | 60   | 0DE34-5 . A0                                               |            |                    |                    |                    |
| 55                       | 75   | 0DE35-5 . A0                                               | FSF        |                    |                    | 6SL3200-0SF26-0AA0 |
| 75                       | 100  | 0DE37-5 . A0                                               |            |                    |                    |                    |
| 90                       | 125  | 0DE38-8UA0                                                 |            |                    |                    |                    |

# SINAMICS G120 standard inverters

0.37 kW to 250 kW (0.5 hp to 400 hp)

Spare parts  
Fan units

## Selection and ordering data

| Rated power (LO)          |      | PM230 Power Module<br>degree of protection<br>IP20<br>standard variant | External fan unit |                    |
|---------------------------|------|------------------------------------------------------------------------|-------------------|--------------------|
| kW                        | hp   | Type<br>6SL3210-...                                                    | Frame<br>size     | Order No.          |
| 380 ... 480 V 3 AC ± 10 % |      |                                                                        |                   |                    |
| 0.37                      | 0.50 | 1NE11-3 . LO                                                           | FSA               | 6SL3200-0SF12-0AA0 |
| 0.55                      | 0.75 | 1NE11-7 . LO                                                           |                   |                    |
| 0.75                      | 1.0  | 1NE12-2 . LO                                                           |                   |                    |
| 1.1                       | 1.5  | 1NE13-1 . LO                                                           |                   |                    |
| 1.5                       | 2.0  | 1NE14-1 . LO                                                           |                   |                    |
| 2.2                       | 3.0  | 1NE15-8 . LO                                                           |                   |                    |
| 3.0                       | 4.0  | 1NE17-7 . LO                                                           |                   |                    |
| 4.0                       | 5.0  | 1NE21-0 . LO                                                           | FSB               | 6SL3200-0SF13-0AA0 |
| 5.5                       | 7.5  | 1NE21-3 . LO                                                           |                   |                    |
| 7.5                       | 10   | 1NE21-8 . LO                                                           |                   |                    |
| 11.0                      | 15   | 1NE22-6 . LO                                                           | FSC               | 6SL3200-0SF14-0AA0 |
| 15.0                      | 20   | 1NE23-2 . LO                                                           |                   |                    |
| 18.5                      | 25   | 1NE23-8 . LO                                                           |                   |                    |
| 22                        | 30   | 1NE24-5 . LO                                                           | FSD               | 6SL3200-0SF05-0AA0 |
| 30                        | 40   | 1NE26-0 . LO                                                           |                   |                    |
| 37                        | 50   | 1NE27-5 . LO                                                           | FSE               |                    |
| 45                        | 60   | 1NE28-8 . LO                                                           |                   | 6SL3200-0SF08-0AA0 |
| 55                        | 75   | 1NE31-1 . LO                                                           | FSF               |                    |
| 75                        | 100  | 1NE31-5 . LO                                                           |                   |                    |

| Rated power<br>(LO)       |     | PM230 Power Module<br>degree of protection<br>IP20<br>push-through variant |               | External fan unit  |
|---------------------------|-----|----------------------------------------------------------------------------|---------------|--------------------|
| kW                        | hp  | Type<br>6SL3211-...                                                        | Frame<br>size | Order No.          |
| 380 ... 480 V 3 AC ± 10 % |     |                                                                            |               |                    |
| 3.0                       | 4.0 | 1NE17-7 . LO                                                               | FSA           | 6SL3200-0SF21-0AA0 |
| 7.5                       | 10  | 1NE21-8 . LO                                                               | FSB           | 6SL3200-0SF22-0AA0 |
| 18.5                      | 25  | 1NE23-8 . LO                                                               | FSC           | 6SL3200-0SF23-0AA0 |

| Description                                                                                              | Order No.                 |
|----------------------------------------------------------------------------------------------------------|---------------------------|
| <b>Fan unit</b><br>For SINAMICS G120<br>PM240-2 Power Module<br>(and SINAMICS G120C)<br>• Frame size FSA | <b>6SL3200-0SF12-0AA0</b> |