

PRODUCT-DETAILS

ACS580-01-246A-4+P973

LV AC general purpose wall-mounted drive, IEC:
Pn 132 kW, 246 A (ACS580-01-246A-4+P973)



General Information

| | |
|-------------------------|---|
| Global Commercial Alias | ACS580-01-246A-4+P973 |
| Product ID | 3ABD00048297-D |
| ABB Type Designation | ACS580-01-246A-4+P973 |
| Catalog Description | LV AC general purpose wall-mounted drive, IEC: Pn 132 kW, 246 A (ACS580-01-246A-4+P973) |

Long Description

The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans, and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture. All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a rugged and robust design make it a good fit for various environments. With the ACS580 drives, you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in an IP21 enclosure as standard. In addition, IP55 and flange mounting units are available.

Ordering

| | |
|------------------------|---|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACS580-01-246A-4+P973 PN: 132kW, IN: 246A |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |

| | |
|-------------------------|---------|
| Order Multiple | 1 piece |
| Quote Only | No |
| Selling Unit of Measure | piece |

Dimensions

| | |
|----------------------------|----------|
| Product Net Weight | 69 kg |
| Product Net Depth / Length | 393 mm |
| Product Net Height | 965 mm |
| Product Net Width | 300 mm |
| Package Level 1 Units | 0 carton |

Technical

| | |
|---|------------------------|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R8 |
| Input Voltage (U_{in}) | 380 ... 500 V |
| Mounting Type | Wall-mounted_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 206 A |
| Output Current, Light-Overload Use (I_{LD}) | 234 A |
| Output Current, Normal Use (I_n) | 246 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 110 kW |
| Output Power, Light-Overload Use (P_{LD}) | 132 kW |
| Output Power, Normal Use (P_n) | 132 kW |
| Efficiency Level | IE2 |

Complete Drive Module
Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 819 W | 0.5 % | 91.9 % |
| 0 / 50 % | 1130 W | 0.7 % | 94.0 % |
| 0 / 100 % | 2032 W | 1.2 % | 94.5 % |
| 50 / 25 % | 897 W | 0.5 % | 95.6 % |
| 50 / 50 % | 1284 W | 0.8 % | 96.7 % |
| 50 / 100 % | 2383 W | 1.4 % | 96.9 % |
| 90 / 50 % | 1518 W | 0.9 % | 97.8 % |
| 90 / 100 % | 3131 W | 1.8 % | 97.7 % |

| | |
|------------------------|---|
| Additional Information | |
| Product Name | Frequency Converter |
| Classifications | |
| UNSPSC | 39122001 |
| Environmental | |
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |

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| Categories |
| Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive |

