

PRODUCT-DETAILS

ACS880-01-240A-5

ACS880-01-240A-5 PN: 132 kW, IN: 240 A



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACS880-01-240A-5 |
| Product ID | 3AUA0000090445 |
| ABB Type Designation | ACS880-01-240A-5 |
| EAN | 6438177554943 |
| Catalog Description | ACS880-01-240A-5 PN: 132 kW, IN: 240 A |

The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps and fans.

Long Description

The ACS880-01 comes in one compact package for easy installation and commissioning. The drive can be installed on the wall as standard and in a cabinet as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most environments and installations. ACS880-01 drives have all the essential features built-in. These features include as standard a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety, external output filters and I/O extension modules.

Ordering

| | |
|------------------------|--|
| Country of Origin | Finland (FI) |
| Customs Tariff Number | 85044086 |
| Invoice Description | ACS880-01-240A-5 PN: 132 kW, IN: 240 A |
| Made To Order | Yes |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Quote Only | No |

Selling Unit of Measure piece

Container Information

Gross Volume 111.747 dm³

Dimensions

| | |
|-----------------------------------|-----------------------|
| Product Net Weight | 68.0 kg 149.914 lb |
| Product Net Depth / Length | 386 mm 15.197 in |
| Product Net Height | 965 mm |
| Product Net Width | 300 mm 11.811 in |
| Package Level 1 Depth / Length | 1085 mm |
| Package Level 1 Height | 550 mm |
| Package Level 1 Width | 400 mm |
| Package Level 1 Units | 1 carton |

Technical

| | |
|---|---|
| Number of Phases | 3 |
| Degree of Protection | acc. to IEC 60529 IP21 |
| Enclosure Type NEMA | Type1 |
| Altitude | 4000 m |
| Sound dB (A) | 68 dB(A) |
| Frequency (f) | 48 ... 63 Hz |
| Frame Size | R8 |
| Input Voltage (U _{in}) | 380 ... 500 V |
| Mounting Type | Wall-mounted |
| Communication Protocol | CAN DeviceNet EtherNet/IP LON MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO |
| Number of Hardware Interfaces | Industrial Ethernet 0 Other 4 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 |
| Includes | With control unit Without optical interface With PC connection |
| Analog Inputs | 2 |
| Analog Outputs | 2 |
| Number of Digital In/Outputs | 6 / 2 |
| Output Current, Heavy- Duty Use (I _{HD}) | 180 A |
| Output Current, Light- Overload Use (I _{LD}) | 228 A |
| Output Current, Normal Use (I _n) | 240 A |
| Output Power, Heavy- | 110 kW |

| | |
|---|----------|
| Duty Use (P_{HD}) | |
| Output Power, Light-Overload Use (P_{LD}) | 132 kW |
| Output Power, Normal Use (P_n) | 132 kW |
| Apparent Power Output | 208 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 70 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 771 W | 0.4 % | 93.6 % |
| 0 / 50 % | 1106 W | 0.5 % | 95.2 % |
| 0 / 100 % | 1861 W | 0.9 % | 95.8 % |
| 50 / 25 % | 828 W | 0.4 % | 96.6 % |
| 50 / 50 % | 1196 W | 0.6 % | 97.4 % |
| 50 / 100 % | 2179 W | 1.0 % | 97.6 % |
| 90 / 50 % | 1417 W | 0.7 % | 98.3 % |
| 90 / 100 % | 2912 W | 1.4 % | 98.2 % |

Temperature Rating Maximum 40 °C

Additional Information

| | |
|-------------------|---------------------|
| Product Main Type | ACS880-01 |
| Product Name | Frequency converter |

Classifications

| | |
|----------------|--|
| Product Series | ACS880 |
| ETIM 7 | EC001857 - Frequency converter =< 1 kV |
| UNSPSC | 39122001 |

Environmental

| | |
|---------------|---|
| SCIP | c6dd0766-bee0-4818-8755-c530e208bb67 Finland (FI) |
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |

Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 single drives → ACS880-01 - Wall-mounted single drive

