

PRODUCT-DETAILS

ACS880-01-023A-7

ACS880-01-023A-7 PN: 18.5KW, IN: 23A



| General Information     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global Commercial Alias | ACS880-01-023A-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product ID              | 3ABD00046112-D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ABB Type Designation    | ACS880-01-023A-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Catalog Description     | ACS880-01-023A-7 PN: 18.5KW, IN: 23A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Long Description        | 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. 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     | China (CN)                           |
| Customs Tariff Number | 85044099                             |
| Invoice Description   | ACS880-01-023A-7 PN: 18.5KW, IN: 23A |
| Made To Order         | No                                   |

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

Container Information

|              |        |
|--------------|--------|
| Gross Volume | 31 dm³ |
|--------------|--------|

Dimensions

|                                |          |
|--------------------------------|----------|
| Product Net Weight             | 10 kg    |
| Product Net Depth / Length     | 261 mm   |
| Product Net Height             | 475 mm   |
| Product Net Width              | 172 mm   |
| Package Level 1 Depth / Length | 620 mm   |
| Package Level 1 Height         | 320 mm   |
| Package Level 1 Width          | 250 mm   |
| Package Level 1 Units          | 1 carton |

Technical

|                                                       |                        |
|-------------------------------------------------------|------------------------|
| Number of Phases                                      | 3                      |
| Degree of Protection                                  | IP21                   |
| Enclosure Type NEMA                                   | Type1                  |
| Frequency (f)                                         | 47.5 ... 63 Hz         |
| Frame Size                                            | R3                     |
| Input Voltage (U <sub>in</sub> )                      | 525 ... 690 V          |
| Mounting Type                                         | Wall-mounted_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I <sub>HD</sub> )     | 19 A                   |
| Output Current, Light-Overload Use (I <sub>LD</sub> ) | 21.9 A                 |
| Output Current, Normal Use (I <sub>n</sub> )          | 23 A                   |
| Output Power, Heavy-Duty Use (P <sub>HD</sub> )       | 15 kW                  |
| Output Power, Light-Overload Use (P <sub>LD</sub> )   | 18.5 kW                |
| Output Power, Normal Use (P <sub>n</sub> )            | 18.5 kW                |
| Efficiency Level                                      | IE2                    |
| Complete Drive Module Efficiency (61800-9-2)          |                        |

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|----------------------------------------|------------------|------------------|------------|
| 0 / 25 %                               | 128 W            | 0.5 %            | 91.9 %     |
| 0 / 50 %                               | 164 W            | 0.6 %            | 94.5 %     |
| 0 / 100 %                              | 251 W            | 0.9 %            | 95.7 %     |
| 50 / 25 %                              | 133 W            | 0.5 %            | 95.8 %     |
| 50 / 50 %                              | 177 W            | 0.6 %            | 97.1 %     |
| 50 / 100 %                             | 291 W            | 1.1 %            | 97.6 %     |
| 90 / 50 %                              | 195 W            | 0.7 %            | 98.2 %     |
| 90 / 100 %                             | 338 W            | 1.2 %            | 98.4 %     |

Additional Information

|              |                     |
|--------------|---------------------|
| Product Name | Frequency Converter |
|--------------|---------------------|

Classifications

|        |          |
|--------|----------|
| UNSPSC | 39122001 |
|--------|----------|

Environmental

|               |                                                             |
|---------------|-------------------------------------------------------------|
| 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

