

## PRODUCT-DETAILS

# ACS880-07-1450A-7+A004

## ACS880-07-1450A-7+A004 PN:1400kW, IN:1450A



### General Information

|                         |  |
|-------------------------|--|
| Global Commercial Alias | ACS880-07-1450A-7+A004                     |
| Product ID              | 3AUA0000169997                             |
| ABB Type Designation    | ACS880-07-1450A-7+A004                     |
| Catalog Description     | ACS880-07-1450A-7+A004 PN:1400kW, IN:1450A |

### Ordering

|                         |  |
|-------------------------|--|
| Country of Origin       | Finland (FI)                               |
| Customs Tariff Number   | 85044086                                   |
| Invoice Description     | ACS880-07-1450A-7+A004 PN:1400kW, IN:1450A |
| Made To Order           | Yes  |
| Minimum Order Quantity  | 1 piece                                    |
| Order Multiple          | 1 piece                                    |
| Quote Only              | No   |
| Selling Unit of Measure | piece                                      |

### Dimensions

|                            |                    |
|----------------------------|--------------------|
| Product Net Weight         | 2020 kg<br>4453 lb |
| Product Net Depth / Length | 698 mm<br>27.48 in |

|                                   |                      |
|-----------------------------------|----------------------|
| Product Net Height                | 2145 mm<br>84.45 in  |
| Product Net Width                 | 2430 mm<br>95.67 in  |
| Package Level 1 Depth /<br>Length | 1100 mm<br>43.31 in  |
| Package Level 1 Height            | 2376 mm<br>93.54 in  |
| Package Level 1 Width             | 2944 mm<br>115.91 in |
| Package Level 1 Units             | 1 piece              |

## Technical

|   |  |
|---|--|
| Number of Phases                                    | 3  |
| Degree of Protection                                | IP22   |
| Enclosure Type NEMA                                 | Type1  |
|   | ... 95   |
| Power Factor  | 0.98   |
| Frequency (f)                                       | 48 ... 63 Hz   |
| Frame Size  | 800  |
| Input Voltage ( $U_{in}$ )                          | 525 ... 690 V  |
| Mounting Type                                       | Cabinet-built  |
| Communication Protocol                              | CAN<br>DeviceNet<br>EtherNet/IP<br>MODBUS<br>Other Bus Systems<br>PROFIsafe<br>PROFIBUS<br>PROFINET IO<br>TCP/IP |
| Number of Hardware<br>Interfaces                    | Industrial Ethernet 0<br>Parallel 0<br>PROFINET 0<br>RS-232 0<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 1   |
| Includes  | Control unit<br>PC connection  |
| Analog Inputs                                       | 4  |
| Analog Outputs                                      | 4  |
| Number of Digital<br>In/Outputs                     | 14 / 10  |
| Output Current, Heavy-<br>Duty Use ( $I_{HD}$ )     | 1085 A   |
| Output Current, Light-<br>Overload Use ( $I_{LD}$ ) | 1392 A   |
| Output Current, Normal<br>Use ( $I_n$ )             | 1450 A   |
| Output Power, Heavy-<br>Duty Use ( $P_{HD}$ )       | 1000 kW  |
| Output Power, Light-<br>Overload Use ( $P_{LD}$ )   | 1250 kW  |
| Output Power, Normal<br>Use ( $P_n$ )               | 1400 kW  |
| Apparent Power Output                               | 1733 kV·A  |
| Standby Loss  | 269 W  |
| Complete Drive Module                               |  |

Efficiency (61800-9-2)

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Efficiency | Relative<br>Loss |
|--|------------------|------------|------------------|
| 0/25 %                                 | 8848 W           | 91.3 %     | 0.5 %            |
| 0/50 %                                 | 12220 W          | 93.7 %     | 0.7 %            |
| 0/100 %                                | 21431 W          | 94.4 %     | 1.2 %            |
| 50/25 %                                | 9333 W           | 95.4 %     | 0.5 %            |
| 50/50 %                                | 13242 W          | 96.6 %     | 0.8 %            |
| 50/100 %                               | 24383 W          | 96.9 %     | 1.4 %            |
| 90/50 %                                | 14623 W          | 97.9 %     | 0.8 %            |
| 90/100 %                               | 28412 W          | 97.9 %     | 1.6 %            |

|                     |   |
|---------------------|---|
| Temperature Rating  | Maximum 40 °C<br>Minimum 0 °C   |
| Ecodesign Exemption | Energy efficiency data is not provided for the drive. The drives rated above 1 000 kW output power are not in the scope of the EU ecodesign requirements (Regulation EU/2019/1781). |

Additional Information

|                   |                        |
|-------------------|------------------------|
| Product Main Type | ACS880-07-1450A-7+A004 |
| Product Name      | Frequency Converter    |

Classifications

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

Environmental

|               |   |
|---------------|---|
| SCIP          | F97239A0-8F1B-4B36-A0F6-34D1783CB8EB 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 → ACS880-07 - Cabinet-built single drive

