



PRODUCT-DETAILS

ACS880-37-1950A-7

ACS880-37-1950A-7



General Information

|                         |                   |
|-------------------------|-------------------|
| Global Commercial Alias | ACS880-37-1950A-7 |
| Product ID              | 3AUA0000170317    |
| ABB Type Designation    | ACS880-37-1950A-7 |
| Catalog Description     | ACS880-37-1950A-7 |

Ordering

|                         |                   |
|-------------------------|-------------------|
| Country of Origin       | Finland (FI)      |
| Customs Tariff Number   | 85044086          |
| Invoice Description     | ACS880-37-1950A-7 |
| 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         | 3700 kg<br>8157 lb |
| Product Net Depth / Length | 738 mm<br>29.06 in |

|                                   |                      |
|-----------------------------------|----------------------|
| Product Net Height                | 2145 mm<br>84.45 in  |
| Product Net Width                 | 3830 mm<br>150.79 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             | 4489 mm<br>176.73 in |

## Technical

|   |  |
|---|--|
| Number of Phases                                    | 3  |
| Degree of Protection                                | IP22   |
| Enclosure Type NEMA                                 | Type1  |
| Altitude  | 1000 m<br>5 ... 95   |
| Power Factor  | 1  |
| Sound dB (A)  | 79 dB(A)   |
| Multiple Battery<br>Information                     | Lithium Coin, BR2032, 2pcs, 3V, 200mAh, 3g   |
| Frequency (f)                                       | 48 ... 63 Hz   |
| Frame Size  | 4xR8i+4xR8i  |
| Input Voltage ( $U_{in}$ )                          | 525 ... 690 V  |
| 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 ( $I_{HD}$ )     | 1459 A   |
| Output Current, Light-<br>Overload Use ( $I_{LD}$ ) | 1872 A   |
| Output Current, Normal<br>Use ( $I_n$ )             | 1950 A   |
| Output Power, Heavy-<br>Duty Use ( $P_{HD}$ )       | 1400 kW  |
| Output Power, Light-<br>Overload Use ( $P_{LD}$ )   | 1800 kW  |
| Output Power, Normal<br>Use ( $P_n$ )               | 1900 kW  |
| Apparent Power Output                               | 2330 kV·A  |

Complete Drive Module  
Efficiency (61800-9-2)

| Operating Point<br>Frequency / Current |  |
|--|--|
|  | 0/25 %   |
|  | 0/50 %   |
|  | 0/100 %  |
|  | 50/25 %  |
|  | 50/50 %  |
|  | 50/100 %   |
|  | 90/50 %  |
|  | 90/100 %   |
| Temperature Rating                     | Maximum 40 °C<br>Minimum 0 °C  |
| Ecodesign Exemption                    | Energy efficiency data is not provided for the drive. The low-harmonic drives are exempt from the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.d). |

Additional Information

|                   |                     |
|-------------------|---------------------|
| Product Main Type | ACS880-37           |
| Product Name      | Frequency converter |

Classifications

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

Environmental

|               |   |
|---------------|---|
| SCIP          | D120819E-0189-4843-AC99-32CD7FCA0F64 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 → ACS880-37 - Cabinet-built low harmonic single drive

