

## PRODUCT-DETAILS

# ACS880-07-1950A-7

## ACS880-07-1950A-7 PN: 1900 kW, IN: 1950 A



### General Information

Global Commercial Alias	ACS880-07-1950A-7
Product ID	3AUA0000169994
ABB Type Designation	ACS880-07-1950A-7
Catalog Description	ACS880-07-1950A-7 PN: 1900 kW, IN: 1950 A

### Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-1950A-7 PN: 1900 kW, IN: 1950 A
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	2590 kg 5710 lb
Product Net Depth / Length	698 mm 27.48 in

Product Net Height	2145 mm 84.45 in
Product Net Width	3030 mm 119.29 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2376 mm 93.54 in
Package Level 1 Width	3944 mm 155.28 in

Technical

Number of Phases	3
Degree of Protection	IP22
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 95
Power Factor	0.98
Sound dB (A)	76 dB(A)
Multiple Battery Information	Lithium Coin, BR2032, 2pcs, 3V, 200mAh, 3g
Frequency (f)	48 ... 63 Hz
Frame Size	3xD8T+4xR8i
Input Voltage ( $U_{in}$ )	525 ... 690 V
Mounting Type	Cabinet-built
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes	Control unit PC connection
Analog Inputs	4
Analog Outputs	4
Number of Digital In/Outputs	14 / 10
Output Current, Heavy-Duty Use ( $I_{HD}$ )	1459 A
Output Current, Light-Overload Use ( $I_{LD}$ )	1872 A
Output Current, Normal Use ( $I_n$ )	1950 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	1400 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	1800 kW
Output Power, Normal Use ( $P_n$ )	1900 kW

Apparent Power Output	2330 kV·A
Standby Loss	375 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	11870 W	91.3 %	0.5 %
0/50 %	16374 W	93.7 %	0.7 %
0/100 %	28953 W	94.4 %	1.2 %
50/25 %	12529 W	95.4 %	0.5 %
50/50 %	17765 W	96.6 %	0.8 %
50/100 %	33016 W	96.8 %	1.4 %
90/50 %	19544 W	97.9 %	0.8 %
90/100 %	38039 W	98.0 %	1.6 %

Temperature Rating	Maximum 40 °C 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
Product Name	Frequency converter

Classifications

UNSPSC	39122001
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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

