

## PRODUCT-DETAILS

# ACS880-07-1160A-7

## ACS880-07-1160A-7 PN:1100kW, IN:1160A



### General Information

Global Commercial Alias	ACS880-07-1160A-7
Product ID	3AUA0000142720
ABB Type Designation	ACS880-07-1160A-7
Catalog Description	ACS880-07-1160A-7 PN:1100kW, IN:1160A

### Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-1160A-7 PN:1100kW, IN:1160A
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	1870 kg 4123 lb
Product Net Depth / Length	698 mm 27.48 in

Product Net Height	2145 mm 84.45 in
Product Net Width	2230 mm 87.80 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2376 mm 93.54 in
Package Level 1 Width	2944 mm 115.91 in

## Technical

Number of Phases	3
Degree of Protection	IP22
Enclosure Type NEMA	Type1
Altitude	1000 m 95
Power Factor	0.98
Sound dB (A)	74 dB(A)
Frequency (f)	48 ... 63 Hz
Frame Size	2xD8T+2xR8i
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 Other - 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 ( $I_{HD}$ )	868 A
Output Current, Light- Overload Use ( $I_{LD}$ )	1114 A
Output Current, Normal Use ( $I_n$ )	1160 A
Output Power, Heavy- Duty Use ( $P_{HD}$ )	800 kW
Output Power, Light- Overload Use ( $P_{LD}$ )	1100 kW
Output Power, Normal Use ( $P_n$ )	1100 kW
Apparent Power Output	1386 kV·A

Standby Loss

Complete Drive Module Efficiency (61800-9-2)

212 W

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	7314 W	91.0 %	0.5 %
0/50 %	10229 W	93.4 %	0.7 %
0/100 %	17855 W	94.2 %	1.3 %
50/25 %	7656 W	95.3 %	0.6 %
50/50 %	10949 W	96.5 %	0.8 %
50/100 %	19874 W	96.8 %	1.4 %
90/50 %	12038 W	97.8 %	0.9 %
90/100 %	23128 W	97.9 %	1.7 %

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

Product Name

ACS880-07

Frequency converter

Classifications

UNSPSC

39122001

Environmental

SCIP

WEEE Category

F97239A0-8F1B-4B36-A0F6-34D1783CB8EB Finland (FI)

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

