

PRODUCT-DETAILS

ACS880-37-1680A-7

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General Information

Global Commercial Alias	ACS880-37-1680A-7
Product ID	3AUA0000170316
ABB Type Designation	ACS880-37-1680A-7
Catalog Description	ACS880-37-1680A-7

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-37-1680A-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	2730 kg 6019 lb
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Product Net Depth / Length	698 mm 27.48 in
Product Net Height	2145 mm 84.45 in
Product Net Width	3230 mm 127.17 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	1
Sound dB (A)	78 dB(A)
Multiple Battery Information	Lithium Coin, BR2032, 2pcs, 3V, 200mAh, 3g
Frequency (f)	48 ... 63 Hz
Frame Size	3xR8i+3xR8i
Input Voltage (U_{in})	525 ... 690 V
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})	1257 A
Output Current, Light-Overload Use (I_{LD})	1613 A
Output Current, Normal Use (I_n)	1680 A
Output Power, Heavy-Duty Use (P_{HD})	1200 kW

Output Power, Light-Overload Use (P_{LD})	1500 kW
Output Power, Normal Use (P_n)	1600 kW
Apparent Power Output	2008 kV·A
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current
0/25 %
0/50 %
0/100 %
50/25 %
50/50 %
50/100 %
90/50 %
90/100 %

Temperature Rating	Maximum 40 °C 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	

