

PRODUCT-DETAILS

ACS880-07-0800A-7

ACS880-07-0800A-7 PN: 800 kW, IN: 800 A



General Information

Global Commercial Alias	ACS880-07-0800A-7
Product ID	3AUA0000142719
ABB Type Designation	ACS880-07-0800A-7
Catalog Description	ACS880-07-0800A-7 PN: 800 kW, IN: 800 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-0800A-7 PN: 800 kW, IN: 800 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	1470 kg 3241 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	1830 mm 72.05 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2376 mm 93.54 in
Package Level 1 Width	2294 mm 90.32 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)	73 dB(A)
Multiple Battery Information	Lithium Coin, BR2032, 2pcs, 3V, 200mAh, 3g
Frequency (f)	48 ... 63 Hz
Frame Size	1xD8T+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 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})	598 A
Output Current, Light-Overload Use (I_{LD})	768 A
Output Current, Normal Use (I_n)	800 A
Output Power, Heavy-	560 kW

Duty Use (P_{HD})	
Output Power, Light-	710 kW
Overload Use (P_{LD})	
Output Power, Normal	800 kW
Use (P_n)	
Apparent Power Output	956 kV·A
Efficiency Level	IE2
Standby Loss	163 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	5212 W	90.7 %	0.5 %
0/50 %	7207 W	93.3 %	0.8 %
0/100 %	12255 W	94.2 %	1.3 %
50/25 %	5645 W	95.0 %	0.6 %
50/50 %	7879 W	96.4 %	0.8 %
50/100 %	13978 W	96.7 %	1.5 %
90/50 %	8881 W	97.7 %	0.9 %
90/100 %	16481 W	97.8 %	1.7 %

Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data according to IEC-61800-9-2 is available from the ecodesign tool (https://ecodesign.drivesmotors.abb.com).

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

