

PRODUCT-DETAILS

ACS880-07-0990A-5+A004

ACS880-07-0990A-5+A004 PN: 710 kW, IN: 990 A



General Information

Global Commercial Alias	ACS880-07-0990A-5+A004
Product ID	3AUA0000142692
ABB Type Designation	ACS880-07-0990A-5+A004
Catalog Description	ACS880-07-0990A-5+A004 PN: 710 kW, IN: 990 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-0990A-5+A004 PN: 710 kW, IN: 990 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	1710 kg 3770 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	2030 mm 79.92 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 ... 95
Power Factor	0.98
Sound dB (A)	73 dB(A)
Frequency (f)	48 ... 63 Hz
Frame Size	2xD7T+2xR8i
Input Voltage (U_{in})	380 ... 500 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})	741 A
Output Current, Light-Overload Use (I_{LD})	950 A
Output Current, Normal Use (I_n)	990 A
Output Power, Heavy-Duty Use (P_{HD})	500 kW

Output Power, Light-Overload Use (P_{LD})	630 kW
Output Power, Normal Use (P_n)	710 kW
Apparent Power Output	857 kV-A
Efficiency Level	IE2
Standby Loss	212 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	4798 W	90.5 %	0.6 %
0/50 %	7023 W	92.8 %	0.8 %
0/100 %	12232 W	93.6 %	1.4 %
50/25 %	5061 W	95.0 %	0.6 %
50/50 %	7598 W	96.1 %	0.9 %
50/100 %	13951 W	96.4 %	1.6 %
90/50 %	8522 W	97.5 %	1.0 %
90/100 %	16901 W	97.5 %	2.0 %

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

Environmental	
SCIP	F97239A0-8F1B-4B36-A0F6-34D1783CB8EB Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories	
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Drives → Low Voltage AC Drives → Industrial Drives → ACS880 single drives → ACS880-07 - Cabinet-built single drive

