

PRODUCT-DETAILS

ACS880-07-1760A-3+A004

ACS880-07-1760A-3+A004 PN: 1000 kW, IN:
1760 A



General Information

Global Commercial Alias	ACS880-07-1760A-3+A004
Product ID	3AUA0000142687
ABB Type Designation	ACS880-07-1760A-3+A004
Catalog Description	ACS880-07-1760A-3+A004 PN: 1000 kW, IN: 1760 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-1760A-3+A004 PN: 1000 kW, IN: 1760 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	1870 kg 4123 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	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
Package Level 1 Units	1 piece

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})	380 ... 415 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})	1316 A
Output Current, Light-Overload Use (I _{LD})	1690 A
Output Current, Normal Use (I _N)	1760 A
Output Power, Heavy-	710 kW

Duty Use (P_{HD})	
Output Power, Light-	900 kW
Overload Use (P_{LD})	
Output Power, Normal	1000 kW
Use (P_n)	
Apparent Power Output	1219 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 %	7043 W	90.2 %	0.6 %
0/50 %	11163 W	92.0 %	0.9 %
0/100 %	23547 W	91.5 %	1.9 %
50/25 %	7493 W	94.8 %	0.6 %
50/50 %	12145 W	95.6 %	1.0 %
50/100 %	26471 W	95.2 %	2.2 %
90/50 %	13647 W	97.2 %	1.1 %
90/100 %	31067 W	96.8 %	2.5 %

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

