

PRODUCT-DETAILS

ACS880-07-1760A-3

PN: 1000 kW, IN: 1760 A



General Information

Global Commercial Alias	ACS880-07-1760A-3
Product ID	3AUA0000142686
ABB Type Designation	ACS880-07-1760A-3
Catalog Description	PN: 1000 kW, IN: 1760 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	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	1770 kg 3902 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 5 ... 95
Power Factor	0.98
Sound dB (A)	74 dB(A)
Multiple Battery Information	Lithium Coin, BR2032, 2pcs, 3V, 200mAh, 3g
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- Duty Use (P_{HD})	710 kW
Output Power, Light- Overload Use (P_{LD})	900 kW
Output Power, Normal Use (P_n)	1000 kW

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 %	7082 W	90.2 %	0.6 %
0/50 %	11139 W	92.0 %	0.9 %
0/100 %	23236 W	91.6 %	1.9 %
50/25 %	7543 W	94.7 %	0.6 %
50/50 %	12156 W	95.6 %	1.0 %
50/100 %	26303 W	95.3 %	2.2 %
90/50 %	13713 W	97.2 %	1.1 %
90/100 %	31105 W	96.8 %	2.6 %

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

