



PRODUCT-DETAILS

ACS880-07-1160A-7

ACS880-07-1160A-7 PN:1100kW, IN:1160A



General Information	
Global Commercial Alias	ACS880-07-1160A-7
Product ID	3AUA0000142720
ABB Type Designation	ACS880-07-1160A-7
Catalog Description	ACS880-07-1160A-7 PN:1100kW, IN:1160A
Long Description	<p>The cabinet-built single drives are built to order, meeting your needs regardless of the technical challenges. The drive configuration includes a rectifier, DC link, inverter, fuses, line choke and a main switch, all built into a compact cabinet for easy assembly and commissioning. The ACS880-07 offers a wide ariety of standardized configurations for different application requirements, from line contactors, to preventing unexpected motor starts. If the application requires more, ABB's Order-Based Engineering services can add special features to the standard product, such as an additional cabinet for customer-specific devices.</p> <p>Drives up to frame size R11 are based on a compact single module including rectifier and inverter. Larger drives consist of separate rectifier and inverter modules, providing redundancy with parallel connected units.</p> <p>If one module needs to be disconnected, the drive can continue running at reduced power.The robust design and enclosures up to IP54 make the ACS880-07 suitable for even very harsh environments.</p>

Ordering	
Country of Origin	Finland (FI)
Customs Tariff Number	85044086
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters

Invoice Description	ACS880-07-1160A-7 PN:1100kW, IN:1160A
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
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
	95
Power Factor	0.98
Sound dB (A)	74 dB(A)
Frequency (f)	48 ... 63 Hz
Frame Size	2xD8T+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 Other - 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})	868 A
Output Current, Light-Overload Use (I_{LD})	1114 A
Output Current, Normal Use (I_n)	1160 A
Output Power, Heavy-Duty Use (P_{HD})	800 kW
Output Power, Light-Overload Use (P_{LD})	1100 kW
Output Power, Normal Use (P_n)	1100 kW
Apparent Power Output	1386 kV·A
Standby Loss	212 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	7314 W	91.0 %	0.5 %
0/50 %	10229 W	93.4 %	0.7 %
0/100 %	17855 W	94.2 %	1.3 %
50/25 %	7656 W	95.3 %	0.6 %
50/50 %	10949 W	96.5 %	0.8 %
50/100 %	19874 W	96.8 %	1.4 %
90/50 %	12038 W	97.8 %	0.9 %
90/100 %	23128 W	97.9 %	1.7 %

Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for the drive. The drives rated above 1 000 kW output power are not in the scope of the EU ecodesign requirements (Regulation EU/2019/1781).

Classifications	
UNSPSC	39122001

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

Additional Information	
Product Main Type	ACS880-07
Product Name	Frequency converter

Categories

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

