PRODUCT-DETAILS

ACS880-07-0293A-3

ACS880-07-0293A-3 PN: 160 kW, IN: 293 A

General Information

Global Commercial Alias	ACS880-07-0293A-3
Product ID	3AUA0000120590
ABB Type Designation	ACS880-07-0293A-3
Catalog Description	ACS880-07-0293A-3 PN: 160 kW, IN: 293 A
Long Description	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. 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. 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.

Ordering

Customs Tariff Number	85044086
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters
Invoice Description	ACS880-07-0293A-3 PN: 160 kW, IN: 293 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	265 kg 584 lb
Product Net Depth / Length	673 mm 26.496 in
Product Net Height	2145 mm 84.449 in
Product Net Width	430 mm 16.929 in
Package Level 1 Depth / Length	1100 mm 43.307 in
Package Level 1 Height	2385 mm 93.898 in
Package Level 1 Width	1144 mm 45.039 in

Technical

Number of Phases	3-phase
Degree of Protection	IP22
Enclosure Type NEMA	Type1
Altitude	1000 m
	5 ... 95
Power Factor	0.98
Sound dB (A)	65 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 2pcs, 3V, 220mAh, 6g
Frequency (f)	48 ... 63 Hz
Frame Size	R8
Input Voltage (U_{in})	380 ... 415 V
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	2
Analog Outputs	2
Number of Digital In/Outputs	7 / 5
Output Current, Normal Use (I_n)	293 A
Output Current, Light-Overload Use (I_{LD})	278 A
Output Current, Heavy-Duty Use (I_{HD})	246 A
Output Power, Normal Use (P_n)	160 kW
Output Power, Light-Overload Use (P_{LD})	160 kW
Output Power, Heavy-Duty Use (P_{HD})	132 kW
Apparent Power Output	203 kV·A
Standby Loss	112 W

Complete Drive Module Efficiency (IEC61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	1090 W	91.0 %	0.5 %
0/50 %	1447 W	93.6 %	0.7 %
0/100 %	2303 W	94.8 %	1.1 %
50/25 %	1168 W	95.2 %	0.6 %
50/50 %	1572 W	96.6 %	0.8 %
50/100 %	2767 W	96.9 %	1.4 %
90/50 %	1885 W	97.7 %	0.9 %
90/100 %	3783 W	97.6 %	1.9 %

Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for this cabinet-built drive. Cabinet-built drives, with already conform modules, are excluded from the scope of the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.e).

Environmental

SCIP	e1aec134-b168-4e21-9c40-ee5e90c4bab4 Finland
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC	39122001

Categories

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