

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

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
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 26.50 in

Product Net Height	2145 mm 84.45 in
Product Net Width	430 mm 16.93 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2385 mm 93.90 in
Package Level 1 Width	1144 mm 45.04 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)	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, Heavy- Duty Use (I_{HD})	246 A
Output Current, Light- Overload Use (I_{LD})	278 A
Output Current, Normal Use (I_n)	293 A
Output Power, Heavy- Duty Use (P_{HD})	132 kW
Output Power, Light- Overload Use (P_{LD})	160 kW
Output Power, Normal Use (P_n)	160 kW
Apparent Power Output	203 kV·A

Standby Loss

Complete Drive Module
Efficiency (61800-9-2)

112 W

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).

Additional Information

Product Main Type

ACS880-07

Product Name

Frequency converter

Classifications

UNSPSC

39122001

Environmental

SCIP

e1aec134-b168-4e21-9c40-ee5e90c4bab4 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

