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Detailed information for: ACS880-01-096A-5

This page contains technical data sheet, documents library and links to offering related to this product. If you require any other information, please contact us using form located at the bottom of the page.

ACS880-01-096A-5

General Information

Global Commercial Alias:	ACS880-01-096A-5
Product ID:	3AUA0000090441
ABB Type Designation:	ACS880-01-096A-5
EAN:	6438177558453
Catalog Description:	ACS880-01-096A-5 PN: 55 kW, IN: 96 A
Long Description:	<p>The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps and fans.</p>

The ACS880-01 comes in one compact package for easy installation and commissioning. The drive can be installed on the wall as standard and in a cabinet as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most environments and installations. ACS880-01 drives have all the essential features built-in. These features include as standard a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety, external output filters and I/O extension modules.

Categories

Products » [Drives](#) » [Low Voltage AC Drives](#) » [Industrial Drives](#) » [ACS880 single drives](#) » [ACS880-01 - Wall-mounted single drive](#)

Ordering

Country of Origin:	Finland (FI)
Customs Tariff Number:	85044086
Invoice Description:	ACS880-01-096A-5 PN: 55 kW, IN: 96 A
Made To Order:	Yes
Minimum Order Quantity:	1 piece
Order Multiple:	1 piece
Quote Only:	No
Selling Unit of Measure:	piece

Container Information

Gross Volume: 65.404 dm³

Dimensions

Product Net Weight:	42.2 kg 93.035 lb
Product Net Depth / Length:	357 mm 14.055 in
Product Net Height:	727 mm
Product Net Width:	252 mm 9.921 in
Package Level 1 Depth / Length:	880 mm
Package Level 1 Height:	536 mm
Package Level 1 Width:	335 mm
Package Level 1 Units:	1 carton

Technical

Number of Phases:	3
Degree of Protection:	IP21
Enclosure Type NEMA:	Type1
Altitude:	4000 m

Sound dB (A):	68 dB(A)
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R6
Input Voltage (U _{in}):	380 ... 500 V
Mounting Type:	Wall-mounted
Communication Protocol:	CAN DeviceNet EtherNet/IP LON MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO
Number of Hardware Interfaces:	Industrial Ethernet 0 Other 4 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:	6 / 2
Output Current, Heavy-Duty Use (I _{HD}):	77 A
Output Current, Light-Overload Use (I _{LD}):	91 A
Output Current, Normal Use (I _n):	96 A
Output Power, Heavy-Duty Use (P _{HD}):	45 kW
Output Power, Light-Overload Use (P _{LD}):	55 kW
Output Power, Normal Use (P _n):	55 kW
Apparent Power Output:	83 kV·A
Efficiency Level:	IE2
Standby Loss:	54 W

Complete Drive Module Efficiency (61800-9-2):

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	325 W	0.4 %	93.3 %
0 / 50 %	438 W	0.5 %	95.2 %
0 / 100 %	787 W	0.9 %	95.6 %
50 / 25 %	354 W	0.4 %	96.4 %
50 / 50 %	497 W	0.6 %	97.3 %
50 / 100 %	912 W	1.1 %	97.5 %
90 / 50 %	565 W	0.7 %	98.3 %
90 / 100 %	1157 W	1.4 %	98.2 %

Temperature Rating:	Maximum 40 °C
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Additional Information

Product Main Type:	ACS880-01
Product Name:	Frequency converter

Classifications

Product Series: ACS880

ETIM 7: EC001857 - Frequency converter =< 1 kV

UNSPSC: 39122001

Environmental

SCIP: 4f38a4cf-88f1-4c91-8c58-107eaa77d4f4 Finland (FI)

WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)

