

PRODUCT-DETAILS

# ACS580-01-088A-4

## ACS580-01-088A-4 PN: 45 kW, IN: 88 A



### Informações gerais

Global Commercial Alias	ACS580-01-088A-4
Product ID	3AUA0000080502
ABB Type Designation	ACS580-01-088A-4
EAN	6438177305583
Catalog Description	ACS580-01-088A-4 PN: 45 kW, IN: 88 A

The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.

Long Description All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are available.

### Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044084
Invoice Description	ACS580-01-088A-4 PN: 45 kW, IN: 88 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	43.836 dm <sup>3</sup>
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## Dimensions

Product Net Weight	28.3 kg
Product Net Depth / Length	295 mm
Product Net Height	732 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	835 mm
Package Level 1 Height	521 mm
Package Level 1 Width	295 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
Sound dB (A)	63 dB(A)
Frequency (f)	50/60 Hz
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 2 Other 2
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6/3
Output Current, Heavy-Duty Use	72 A
Output Current, Light-Overload Use	83 A
Output Current, Normal Use	88 A
Output Power, Heavy-	37 kW

Duty Use	
Output Power, Light-Overload Use	45 kW
Output Power, Normal Use	45 kW
Apparent Power Output	61 kV·A
Efficiency Level	IE2
Standby Loss	21 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	294 W	0.5 %	91.9 %
0 / 50 %	402 W	0.7 %	94.1 %
0 / 100 %	767 W	1.3 %	94.3 %
50 / 25 %	325 W	0.5 %	95.5 %
50 / 50 %	469 W	0.8 %	96.6 %
50 / 100 %	915 W	1.5 %	96.6 %
90 / 50 %	545 W	0.9 %	97.8 %
90 / 100 %	1139 W	1.9 %	97.6 %

Temperature Rating	Maximum 40 °C
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## Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	24d7f559-8ddc-4469-93c7-ad912823d754 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

## Categorias

Drives, inversores e conversores → Drives AC - Baixa Tensão → Standard Drives - ACS 550 → ACS580-01 - Wall-mounted drive

