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 PRODUCT-DETAILS

## ACS580-01-106A-4+0J400

LV AC general purpose wall-mounted drive,  
IEC: Pn 55 kW, 106 A (ACS580-01-106A-  
4+0J400)




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**General Information**

Global Commercial Alias	ACS580-01-106A-4+0J400
Product ID	3ABD00046033-D
ABB Type Designation	ACS580-01-106A-4+0J400
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 55 kW, 106 A (ACS580-01-106A-4+0J400)

Long Description	<p>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. All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a rugged and robust design make 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 an IP21 enclosure as standard. In addition, IP55 and flange mounting units are available.</p>
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**Ordering**

Country of Origin	China (CN)
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Customs Tariff Number	85044099
Invoice Description	ACS580-01-106A-4+0J400 PN: 55kW, IN: 106A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

## Dimensions

Product Net Weight	19 kg
Product Net Depth / Length	258 mm
Product Net Height	600 mm
Product Net Width	203 mm
Package Level 1 Units	0 carton

## Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R5
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	87 A
Output Current, Light-Overload Use ( $I_{LD}$ )	100 A
Output Current, Normal Use ( $I_n$ )	106 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
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	325 W	0.4 %	92.5 %
0 / 50 %	449 W	0.6 %	94.5 %
0 / 100 %	864 W	1.2 %	94.6 %
50 / 25 %	359 W	0.5 %	95.9 %
50 / 50 %	521 W	0.7 %	96.8 %
50 / 100 %	1023 W	1.4 %	96.9 %
90 / 50 %	606 W	0.8 %	97.9 %
90 / 100 %	1290 W	1.8 %	97.8 %

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### Classifications

UNSPSC

39122001

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### Environmental

WEEE Category

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

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### Additional Information

Product Name

Frequency Converter

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### Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive

