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 PRODUCT-DETAILS

# ACS580-01-046A-4+0J400

## LV AC general purpose wall-mounted drive, IEC: Pn 22 kW, 45 A (ACS580-01-046A-4+0J400)




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**General Information**

Global Commercial Alias	ACS580-01-046A-4+0J400
Product ID	3ABD00046133
ABB Type Designation	ACS580-01-046A-4+0J400
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 22 kW, 45 A (ACS580-01-046A-4+0J400)

## Long Description

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.

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**Ordering**

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS580-01-046A-4+0J400 PN: 22kW, IN:45A
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	4.6 kg
Product Net Depth / Length	223 mm
Product Net Height	303 mm
Product Net Width	125 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	R3
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	37.7 A
Output Current, Light-Overload Use ( $I_{LD}$ )	42.8 A
Output Current, Normal Use ( $I_n$ )	45 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	18.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	22 kW
Output Power, Normal Use ( $P_n$ )	22 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	200 W	0.6 %	89.2 %
0 / 50 %	260 W	0.8 %	92.5 %
0 / 100 %	459 W	1.5 %	93.3 %
50 / 25 %	216 W	0.7 %	94.1 %
50 / 50 %	290 W	0.9 %	95.8 %
50 / 100 %	534 W	1.7 %	96.1 %
90 / 50 %	328 W	1.1 %	97.3 %
90 / 100 %	672 W	2.2 %	97.3 %

### Classifications

UNSPSC	39122001
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### Environmental

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WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

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### Additional Information

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Product Name

Frequency Converter

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### Categories

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

