



PRODUCT-DETAILS

# ACS580-01-088A-4+0J400

## LV AC general purpose wall-mounted drive, IEC: Pn 45 kW, 88 A (ACS580-01-088A-4+0J400)



General Information	
Global Commercial Alias	ACS580-01-088A-4+0J400
Product ID	3ABD00046032-D
ABB Type Designation	ACS580-01-088A-4+0J400
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 45 kW, 88 A (ACS580-01-088A-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.

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS580-01-088A-4+0J400 PN: 45kW, IN: 88A

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 ( $I_{HD}$ )	72 A
Output Current, Light-Overload Use ( $I_{LD}$ )	82.7 A
Output Current, Normal Use ( $I_n$ )	88 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	37 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	45 kW
Output Power, Normal Use ( $P_n$ )	45 kW
Efficiency Level	IE2
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 %

Additional Information

Product NameFrequency Converter

Classifications

UNSPSC39122001

Environmental

WEEE Category4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

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

