



 PRODUCT-DETAILS

ACS580-01-169A-4

LV AC general purpose wall-mounted drive,
IEC: Pn 90 kW, 169 A (ACS580-01-169A-4)



General Information

Global Commercial Alias	ACS580-01-169A-4
Product ID	3ABD00045438-D
ABB Type Designation	ACS580-01-169A-4
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 90 kW, 169 A (ACS580-01-169A-4)
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>

Ordering

Customs Tariff Number	85044099
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers)

and inductors.- Static converters

Invoice Description	ACS580-01-169A-4 PN: 90kW, IN: 169A
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	54 kg
Product Net Depth / Length	370 mm
Product Net Height	880 mm
Product Net Width	284 mm
Package Level 1 Depth / Length	600 mm
Package Level 1 Height	970 mm
Package Level 1 Width	380 mm
Package Level 1 Units	0 carton

Technical

Number of Phases	3-phase
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R7
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Normal	169 A
Use (I_n)	
Output Current, Light-	161 A
Overload Use (I_{LD})	
Output Current, Heavy-	145 A
Duty Use (I_{HD})	
Output Power, Normal	90 kW
Use (P_n)	
Output Power, Light-	90 kW
Overload Use (P_{LD})	
Output Power, Heavy-	75 kW
Duty Use (P_{HD})	
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	556 W	0.5 %	92.0 %
0 / 50 %	754 W	0.6 %	94.2 %
0 / 100 %	1317 W	1.1 %	94.8 %
50 / 25 %	611 W	0.5 %	95.6 %
50 / 50 %	860 W	0.7 %	96.7 %
50 / 100 %	1547 W	1.3 %	97.0 %
90 / 50 %	1013 W	0.9 %	97.8 %
90 / 100 %	2021 W	1.7 %	97.8 %

External Classifications and Standards

UNSPSC

39122001

Environmental

WEEE Category

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

Categories

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

