

PRODUCT-DETAILS

ACS580-01-039A-4+P974

LV AC general purpose wall-mounted drive, IEC:
Pn 18.5 kW, 38 A (ACS580-01-039A-4+P974)



General Information

Global Commercial Alias	ACS580-01-039A-4+P974
Product ID	3ABD00048311-D
ABB Type Designation	ACS580-01-039A-4+P974
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 18.5 kW, 38 A (ACS580-01-039A-4+P974)

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	ACS580-01-039A-4+P974 PN: 18.5kW, IN: 38A
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	14.9 kg
Product Net Depth / Length	228 mm
Product Net Height	454 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	R3
Input Voltage (U_{in})	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	31.6 A
Output Current, Light-Overload Use (I_{LD})	36.1 A
Output Current, Normal Use (I_n)	38 A
Output Power, Heavy-Duty Use (P_{HD})	15 kW
Output Power, Light-Overload Use (P_{LD})	18.5 kW
Output Power, Normal Use (P_n)	18.5 kW
Efficiency Level	IE2

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	167 W	0.6 %	89.3 %
0 / 50 %	213 W	0.8 %	92.7 %
0 / 100 %	365 W	1.4 %	93.6 %
50 / 25 %	180 W	0.7 %	94.2 %
50 / 50 %	238 W	0.9 %	95.9 %
50 / 100 %	420 W	1.6 %	96.4 %
90 / 50 %	266 W	1.0 %	97.4 %
90 / 100 %	523 W	2.0 %	97.5 %

Additional Information	
Product Name	Frequency Converter

Classifications	
UNSPSC	39122001

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

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

