

PRODUCT-DETAILS

ACS530-01-039A-4

ACS530-01-039A-4 PN: 18.5kW, IN: 38A



General Information

Global Commercial Alias	ACS530-01-039A-4
Product ID	3ABD00039912-D
ABB Type Designation	ACS530-01-039A-4
Catalog Description	ACS530-01-039A-4 PN: 18.5kW, IN: 38A
Long Description	<p>The ACS530-01 can control your compressors, conveyors, pumps, centrifuges, fans, and many other variable and simple 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. The basic control panel enable fast setup, commissioning, use, and maintenance, while a rugged and robust design make it a good fit for various environments.</p> <p>The wall-mounted ACS530-01 comes in an IP20 enclosure as standard.</p>

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS530-01-039A-4 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	14.5 kg
Product Net Depth / Length	228 mm
Product Net Height	490 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	610 mm
Package Level 1 Height	425 mm
Package Level 1 Width	290 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	36 A
Output Current, Normal Use (I_n)	39 A
Output Power, Light-Overload Use (P_{LD})	18.5 kW
Output Power, Normal Use (P_n)	18.5 kW
Apparent Power Output	26.0 kV·A
Efficiency Level	IE2
Standby Loss	16 W

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	163 W	0.6 %	89.6 %
0 / 50 %	210 W	0.8 %	92.8 %
0 / 100 %	368 W	1.4 %	93.6 %
50 / 25 %	176 W	0.7 %	94.3 %
50 / 50 %	236 W	0.9 %	96 %
50 / 100 %	426 W	1.6 %	96.3 %
90 / 50 %	264 W	1 %	97.5 %
90 / 100 %	525 W	2 %	97.5 %

Temperature Rating Maximum 40 °C

Additional Information	
Product Name	Frequency Converter
Classifications	
UNSPSC	39122001
Environmental	
WEEE Category	Product Not in WEEE Scope

Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS530-01 - Wall-mounted drive

