

PRODUCT-DETAILS

# ACS530-01-07A3-4

## ACS530-01-07A3-4 PN: 3kW, IN: 7.2A



General Information

Global Commercial Alias	ACS530-01-07A3-4
Product ID	3AXD50000747542
ABB Type Designation	ACS530-01-07A3-4
Catalog Description	ACS530-01-07A3-4 PN: 3kW, IN: 7.2A
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	ACS530-01-07A3-4 PN: 3kW, IN: 7.2A
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 kg
Product Net Depth / Length	223 mm
Product Net Height	331 mm
Product Net Width	125 mm
Package Level 1 Depth / Length	525 mm
Package Level 1 Height	425 mm
Package Level 1 Width	225 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	R1
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use ( $I_{LD}$ )	6.8 A
Output Current, Normal Use ( $I_n$ )	7.2 A
Output Power, Light-Overload Use ( $P_{LD}$ )	3 kW
Output Power, Normal Use ( $P_n$ )	3 kW
Apparent Power Output	5.0 kV·A
Efficiency Level	IE2
Standby Loss	14 W

Complete Drive Module Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	47 W	1 %	84.7 %
0 / 50 %	55 W	1.1 %	90.2 %
0 / 100 %	76 W	1.5 %	92.6 %
50 / 25 %	50 W	1 %	91.7 %
50 / 50 %	60 W	1.2 %	94.7 %
50 / 100 %	85 W	1.7 %	95.9 %
90 / 50 %	66 W	1.3 %	96.7 %
90 / 100 %	97 W	1.9 %	97.3 %

Temperature Rating Maximum 40 °C

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 → ACS530-01 - Wall-mounted drive

