

## PRODUCT-DETAILS

# ACS530-01-430A-4+P973

# ACS530-01-430A-4+P973 PN:250kW, IN:430A



## General Information

Global Commercial Alias	ACS530-01-430A-4+P973
Product ID	3ABD00050009-D
ABB Type Designation	ACS530-01-430A-4+P973
Catalog Description	ACS530-01-430A-4+P973 PN:250kW, IN:430A
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	ACS530-01-430A-4+P973 PN:250kW, IN:430A
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	84.8 kg
Product Net Depth / Length	418 mm
Product Net Height	680 mm
Product Net Width	300 mm
Package Level 1 Depth / Length	1160 mm
Package Level 1 Height	650 mm
Package Level 1 Width	490 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	R9
Input Voltage ( $U_{in}$ )	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Light-Overload Use ( $I_{LD}$ )	400 A
Output Current, Normal Use ( $I_n$ )	430 A
Output Power, Light-Overload Use ( $P_{LD}$ )	200 kW
Output Power, Normal Use ( $P_n$ )	250 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1466 W	0.5 %	91.6 %
0 / 50 %	2117 W	0.7 %	93.7 %
0 / 100 %	4027 W	1.4 %	93.9 %
50 / 25 %	1610 W	0.5 %	95.4 %
50 / 50 %	2388 W	0.8 %	96.5 %
50 / 100 %	4671 W	1.6 %	96.5 %
90 / 50 %	2816 W	0.9 %	97.7 %
90 / 100 %	6067 W	2 %	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 → ACS530-01 - Wall-mounted drive

