

PRODUCT-DETAILS

ACH531-01-04A1-4+J400

LV AC wall-mounted drive for HVAC, IEC: Pn 1.5 kW, 4 A (ACH531-01-04A1-4+J400)



General Information

Global Commercial Alias	ACH531-01-04A1-4+J400
Product ID	3AXD50000751914
ABB Type Designation	ACH531-01-04A1-4+J400
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 1.5 kW, 4 A (ACH531-01-04A1-4+J400)
Long Description	<p>The ACH531 drive offering has all key features built-in to control fans, pumps and compressors, and more complex equipment like air-handling units and chillers, ensuring a smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the standard basic control panel can make startup, commissioning, and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH531-01 comes in an IP20 enclosure and can be installed on the wall as standard.</p>

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACH531-01-04A1-4+J400 PN: 1.5kW, IN: 4A
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 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	3.8 A
Output Current, Normal Use (I_n)	4 A
Output Power, Light-Overload Use (P_{LD})	1.5 kW
Output Power, Normal Use (P_n)	1.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	33 W	1.2 %	81.8 %
0 / 50 %	36 W	1.3 %	88.7 %
0 / 100 %	45 W	1.6 %	92.1 %
50 / 25 %	34 W	1.2 %	90 %
50 / 50 %	39 W	1.4 %	93.9 %
50 / 100 %	50 W	1.8 %	95.6 %
90 / 50 %	43 W	1.5 %	96.1 %
90 / 100 %	59 W	2.1 %	97.1 %

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 → Industry-Specific Drives → Drives for HVAC → ACH531-01 - Wall-mounted drive for HVAC	

