

PRODUCT-DETAILS

ACH531-01-09A4-4+J400

LV AC wall-mounted drive for HVAC, IEC: Pn 4 kW, 9.4 A (ACH531-01-09A4-4+J400)



General Information

Global Commercial Alias	ACH531-01-09A4-4+J400
Product ID	3ABD00046761
ABB Type Designation	ACH531-01-09A4-4+J400
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 4 kW, 9.4 A (ACH531-01-09A4-4+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	ACH531-01-09A4-4+J400 PN: 4kW, IN: 9.4A
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	1.6 kg
Product Net Depth / Length	207 mm
Product Net Height	223 mm
Product Net Width	73 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Height	270 mm
Package Level 1 Width	150 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	R0
Input Voltage (U_{in})	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	8.9 A
Output Current, Normal Use (I_n)	9.4 A
Output Power, Light-Overload Use (P_{LD})	4 kW
Output Power, Normal Use (P_n)	4 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	62 W	0.9 %	84.8 %
0 / 50 %	73 W	1.1 %	90.1 %
0 / 100 %	105 W	1.6 %	92.2 %
50 / 25 %	64 W	1 %	91.8 %
50 / 50 %	80 W	1.2 %	94.6 %
50 / 100 %	119 W	1.8 %	95.6 %
90 / 50 %	90 W	1.4 %	96.5 %
90 / 100 %	140 W	2.2 %	97.1 %

Additional Information

Product Name	frequency converter
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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	

