

## PRODUCT-DETAILS

# ACH531-01-106A-4+J400

LV AC wall-mounted drive for HVAC, IEC: Pn 55 kW, 106 A (ACH531-01-106A-4+J400)



### General Information

Global Commercial Alias	ACH531-01-106A-4+J400
Product ID	3ABD00046771
ABB Type Designation	ACH531-01-106A-4+J400
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 55 kW, 106 A (ACH531-01-106A-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	ACH531-01-106A-4+J400 PN: 55kW, IN: 106A
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	26.5 kg
Product Net Depth / Length	295 mm
Product Net Height	596 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	830 mm
Package Level 1 Height	510 mm
Package Level 1 Width	280 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	R5
Input Voltage ( $U_{in}$ )	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Light-Overload Use ( $I_{LD}$ )	100 A
Output Current, Normal Use ( $I_n$ )	106 A
Output Power, Light-Overload Use ( $P_{LD}$ )	55 kW
Output Power, Normal Use ( $P_n$ )	55 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	325 W	0.4 %	92.5 %
0 / 50 %	449 W	0.6 %	94.5 %
0 / 100 %	864 W	1.2 %	94.6 %
50 / 25 %	359 W	0.5 %	95.9 %
50 / 50 %	521 W	0.7 %	96.8 %
50 / 100 %	1023 W	1.4 %	96.9 %
90 / 50 %	606 W	0.8 %	97.9 %
90 / 100 %	1290 W	1.8 %	97.8 %

Additional Information

Product Name	frequency converter
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Classifications	
UNSPSC	39122001

Environmental	
WEEE Category	Product Not in WEEE Scope

Categories	
Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH531-01 - Wall-mounted drive for HVAC	

