



 PRODUCT-DETAILS

ACH531-01-04A0-4+J400

LV AC wall-mounted drive for HVAC, IEC: Pn 1.5 kW, 4 A (ACH531-01-04A0-4+J400)



General Information

Global Commercial Alias	ACH531-01-04A0-4+J400
Product ID	3ABD00046758
ABB Type Designation	ACH531-01-04A0-4+J400
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 1.5 kW, 4 A (ACH531-01-04A0-4+J400)
Long Description	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.

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACH531-01-04A0-4+J400 PN: 1.5kW, IN: 4.0A
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})	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 %	34 W	1.2 %	81 %
0 / 50 %	39 W	1.4 %	87.9 %
0 / 100 %	50 W	1.8 %	91.4 %
50 / 25 %	36 W	1.3 %	89.5 %
50 / 50 %	41 W	1.5 %	93.5 %
50 / 100 %	55 W	2 %	95.2 %
90 / 50 %	44 W	1.6 %	96 %
90 / 100 %	62 W	2.2 %	96.9 %

Classifications

UNSPSC

39122001

Environmental

WEEE Category

Product Not in WEEE Scope

Additional Information

Product Name

frequency converter

Categories

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

