

## PRODUCT-DETAILS

# ACH531-01-088A-4+0J404

## LV AC wall-mounted drive for HVAC, IEC: Pn 45 kW, 88 A (ACH531-01-088A-4+0J404)



### General Information

Global Commercial Alias	ACH531-01-088A-4+0J404
Product ID	3ABD00049887
ABB Type Designation	ACH531-01-088A-4+0J404
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 45 kW, 88 A (ACH531-01-088A-4+0J404)
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	ACH531-01-088A-4+0J404 PN: 45kW, IN: 88A
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 ( $I_{LD}$ )	82.7 A
Output Current, Normal Use ( $I_n$ )	88 A
Output Power, Light-Overload Use ( $P_{LD}$ )	45 kW
Output Power, Normal Use ( $P_n$ )	45 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	294 W	0.5 %	91.9 %
0 / 50 %	402 W	0.7 %	94.1 %
0 / 100 %	767 W	1.3 %	94.3 %
50 / 25 %	325 W	0.5 %	95.5 %
50 / 50 %	469 W	0.8 %	96.6 %
50 / 100 %	915 W	1.5 %	96.6 %
90 / 50 %	545 W	0.9 %	97.8 %
90 / 100 %	1139 W	1.9 %	97.6 %

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	

