

PRODUCT-DETAILS

ACH531-01-07A2-4

LV AC wall-mounted drive for HVAC, IEC: Pn 3 kW, 7.2 A (ACH531-01-07A2-4)



General Information

Global Commercial Alias	ACH531-01-07A2-4
Product ID	3ABD00046355
ABB Type Designation	ACH531-01-07A2-4
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 3 kW, 7.2 A (ACH531-01-07A2-4)
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	ACH531-01-07A2-4 PN: 3kW, IN: 7.2A
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 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	6.8 A
Output Current, Normal Use (I_n)	7.2 A
Output Power, Light-Overload Use (P_{LD})	3 kW
Output Power, Normal Use (P_n)	3 kW
Apparent Power Output	5.0 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	48 W	1 %	84.6 %
0 / 50 %	55 W	1.1 %	90.2 %
0 / 100 %	76 W	1.5 %	92.6 %
50 / 25 %	50 W	1 %	91.7 %
50 / 50 %	60 W	1.2 %	94.7 %
50 / 100 %	86 W	1.7 %	95.8 %
90 / 50 %	67 W	1.3 %	96.6 %
90 / 100 %	100 W	2 %	97.2 %

Temperature Rating

Maximum 40 °C

Additional Information	
Product Name	frequency converter
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	

