

PRODUCT-DETAILS

ACH531-01-246A-4

LV AC wall-mounted drive for HVAC, IEC: Pn
132 kW, 246 A (ACH531-01-246A-4)



General Information

Global Commercial Alias	ACH531-01-246A-4
Product ID	3ABD00046370
ABB Type Designation	ACH531-01-246A-4
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 132 kW, 246 A (ACH531-01-246A-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	ACH531-01-246A-4 PN: 132kW, IN: 246A
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	62.8 kg
Product Net Depth / Length	393 mm
Product Net Height	680 mm
Product Net Width	300 mm
Package Level 1 Depth / Length	1160 mm
Package Level 1 Height	650 mm
Package Level 1 Width	490 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	R8
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	234 A
Output Current, Normal Use (I_n)	246 A
Output Power, Light-Overload Use (P_{LD})	132 kW
Output Power, Normal Use (P_n)	132 kW
Apparent Power Output	170.0 kV·A
Efficiency Level	IE2
Standby Loss	47 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	814 W	0.5 %	91.9 %
0 / 50 %	1125 W	0.7 %	94.1 %
0 / 100 %	2027 W	1.2 %	94.6 %
50 / 25 %	892 W	0.5 %	95.6 %
50 / 50 %	1279 W	0.8 %	96.7 %
50 / 100 %	2379 W	1.4 %	96.9 %
90 / 50 %	1513 W	0.9 %	97.8 %
90 / 100 %	3126 W	1.8 %	97.7 %

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

