

PRODUCT-DETAILS

ACH531-01-073A-4+P972

, IEC: Pn 37 kW, 73 A (ACH531-01-073A-4+P972)



General Information

Global Commercial Alias	ACH531-01-073A-4+P972
Product ID	3ABD00058678-D
ABB Type Designation	ACH531-01-073A-4+P972
Catalog Description	, IEC: Pn 37 kW, 73 A (ACH531-01-073A-4+P972)

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	ACH531-01-073A-4+P972 PN: 37kW, IN: 73A
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	18.5 kg
Product Net Depth / Length	257 mm
Product Net Height	636 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	720 mm
Package Level 1 Height	380 mm
Package Level 1 Width	300 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	R4
Input Voltage (U_{in})	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	68.4 A
Output Current, Normal Use (I_n)	73 A
Output Power, Light-Overload Use (P_{LD})	37 kW
Output Power, Normal Use (P_n)	37 kW
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	289 W	0.6 %	90.3 %
0 / 50 %	386 W	0.8 %	93.1 %
0 / 100 %	720 W	1.4 %	93.5 %
50 / 25 %	318 W	0.6 %	94.6 %
50 / 50 %	448 W	0.9 %	96 %
50 / 100 %	860 W	1.7 %	96.2 %
90 / 50 %	522 W	1 %	97.4 %
90 / 100 %	1114 W	2.2 %	97.2 %

Additional Information

Product Name	frequency converter
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Classifications	
UNSPSC	39122001

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

