

## PRODUCT-DETAILS

# ACH531-01-145A-4+J400

LV AC wall-mounted drive for HVAC, IEC: Pn 75 kW, 145 A (ACH531-01-145A-4+J400)



## General Information

Global Commercial Alias	ACH531-01-145A-4+J400
Product ID	3ABD00046772
ABB Type Designation	ACH531-01-145A-4+J400
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 75 kW, 145 A (ACH531-01-145A-4+J400)
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	ACH531-01-145A-4+J400 PN: 75kW, IN: 145A
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	42.6 kg
Product Net Depth / Length	369 mm
Product Net Height	548 mm
Product Net Width	252 mm
Package Level 1 Depth / Length	850 mm
Package Level 1 Height	580 mm
Package Level 1 Width	310 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	R6
Input Voltage ( $U_{in}$ )	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Light-Overload Use ( $I_{LD}$ )	138 A
Output Current, Normal Use ( $I_n$ )	145 A
Output Power, Light-Overload Use ( $P_{LD}$ )	75 kW
Output Power, Normal Use ( $P_n$ )	75 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	505 W	0.5 %	91.5 %
0 / 50 %	692 W	0.7 %	93.8 %
0 / 100 %	1238 W	1.2 %	94.4 %
50 / 25 %	557 W	0.6 %	95.3 %
50 / 50 %	791 W	0.8 %	96.5 %
50 / 100 %	1470 W	1.5 %	96.7 %
90 / 50 %	946 W	0.9 %	97.7 %
90 / 100 %	1960 W	2 %	97.5 %

Additional Information

Product Namefrequency converter

Classifications

UNSPSC39122001

Environmental

WEEE CategoryProduct Not in WEEE Scope

Categories

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

