

## PRODUCT-DETAILS

# ACH580-01-073A-4+B056

LV AC wall-mounted drive for HVAC, IEC: Pn 37 kW, 73 A (ACH580-01-073A-4+B056)



## General Information

Global Commercial Alias	ACH580-01-073A-4+B056
Product ID	3ABD00045701-D
ABB Type Designation	ACH580-01-073A-4+B056
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 37 kW, 73 A (ACH580-01-073A-4+B056)
Long Description	<p>The ACH580 HVAC 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 intuitive control panel with an HVAC-specific primary settings menu and help assistants make startup, commissioning, and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH580-01 comes in an IP21 enclosure and can be installed on the wall as standard. In addition, IP55 and flange mounting units are available.</p>

## Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACH580-01-073A-4+B056 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	19 kg
Product Net Depth / Length	258 mm
Product Net Height	600 mm
Product Net Width	203 mm
Package Level 1 Units	0 carton

Technical	
Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Frequency (f)	47.5 ... 63 Hz
Frame Size	R4
Input Voltage (U <sub>in</sub> )	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I <sub>HD</sub> )	61 A
Output Current, Light-Overload Use (I <sub>LD</sub> )	68.4 A
Output Current, Normal Use (I <sub>n</sub> )	73 A
Output Power, Heavy-Duty Use (P <sub>HD</sub> )	30 kW
Output Power, Light-Overload Use (P <sub>LD</sub> )	37 kW
Output Power, Normal Use (P <sub>n</sub> )	37 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	295 W	0.6 %	90.1 %
0 / 50 %	392 W	0.8 %	93.0 %
0 / 100 %	726 W	1.4 %	93.4 %
50 / 25 %	324 W	0.6 %	94.5 %
50 / 50 %	454 W	0.9 %	96.0 %
50 / 100 %	866 W	1.7 %	96.1 %
90 / 50 %	527 W	1.0 %	97.4 %
90 / 100 %	1120 W	2.2 %	97.2 %

Additional Information

Product Name	Frequency Converter
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Classifications

UNSPSC	39122001
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Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-01 - Wall-mounted drive for HVAC

