

## PRODUCT-DETAILS

# ACH580-01-03A3-4+B056

LV AC wall-mounted drive for HVAC, IEC: Pn 1.1 kW, 3.3 A (ACH580-01-03A3-4+B056)



## General Information

Global Commercial Alias	ACH580-01-03A3-4+B056
Product ID	3ABD00045689-D
ABB Type Designation	ACH580-01-03A3-4+B056
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 1.1 kW, 3.3 A (ACH580-01-03A3-4+B056)
Long Description	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.

## Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACH580-01-03A3-4+B056
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	4.5 kg
Product Net Depth / Length	210 mm
Product Net Height	303 mm
Product Net Width	125 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	R0
Input Voltage ( $U_{in}$ )	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	2.6 A
Output Current, Light-Overload Use ( $I_{LD}$ )	3.1 A
Output Current, Normal Use ( $I_n$ )	3.3 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	0.75 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	1.1 kW
Output Power, Normal Use ( $P_n$ )	1.1 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	32 W	1.4 %	79.2 %
0 / 50 %	34 W	1.5 %	87.2 %
0 / 100 %	41 W	1.8 %	91.4 %
50 / 25 %	33 W	1.4 %	88.5 %
50 / 50 %	36 W	1.6 %	93.1 %
50 / 100 %	45 W	2.0 %	95.2 %
90 / 50 %	39 W	1.7 %	95.7 %
90 / 100 %	51 W	2.2 %	96.9 %

Additional Information	
Product Name	frequency converter
Classifications	
UNSPSC	39122001
Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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

