

## PRODUCT-DETAILS

# ACH580-01-02A1-4+B056

LV AC wall-mounted drive for HVAC, 2.1 A, 380 ... 480 V (ACH580-01-02A1-4+B056)



## General Information

Global Commercial Alias	ACH580-01-02A1-4+B056
Product ID	3AUA0000222393
ABB Type Designation	ACH580-01-02A1-4+B056
EAN	6438177507765
Catalog Description	LV AC wall-mounted drive for HVAC, 2.1 A, 380 ... 480 V (ACH580-01-02A1-4+B056)
Long Description	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 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 makes 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 IP21 enclosure and can be installed on the wall as standard. Also, IP55 and flange mounting units are available.

## Ordering

Country of Origin	United States (US)
Customs Tariff Number	85044080
Invoice Description	ACH580-01-02A1-4+B056, 480VAC, Pn 1HP, I2LD 2.1A, N12/IP55

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	11 lb
Product Net Depth / Length	9.17 in
Product Net Height	17.78 in
Product Net Width	5.09 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Frequency (f)	50/60 Hz
Frame Size	R1
Input Voltage ( $U_{in}$ )	440 ... 480 V
Mounting Type	Wall-mounting
Output Current, Normal Use ( $I_n$ )	2.1 A
Output Power, Light-Overload Use ( $P_{LD}$ )	1 Hp
Apparent Power Output	1.7 kV·A
Efficiency Level	IE2
Standby Loss	15 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	29 W	1.6 %	76.3 %
0 / 50 %	30 W	1.7 %	85.6 %
0 / 100 %	34 W	1.9 %	90.8 %
50 / 25 %	29 W	1.7 %	86.9 %
50 / 50 %	31 W	1.8 %	92.3 %
50 / 100 %	36 W	2.0 %	95.1 %
90 / 50 %	33 W	1.9 %	95.4 %
90 / 100 %	39 W	2.2 %	97.0 %

Temperature Rating	Maximum 40 °C
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Additional Information	
Product Name	AC Drive
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	

