

## PRODUCT-DETAILS

# ACH580-01-044A-4+B056

LV AC wall-mounted drive for HVAC, 44 A, 380 ... 480 V (ACH580-01-044A-4+B056)



## General Information

Global Commercial Alias	ACH580-01-044A-4+B056
Product ID	3AUA0000222404
ABB Type Designation	ACH580-01-044A-4+B056
EAN	6438177507871
Catalog Description	LV AC wall-mounted drive for HVAC, 44 A, 380 ... 480 V (ACH580-01-044A-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	ACH580-01-044A-4+B056, 480VAC, Pn 30HP, I2LD 44A, 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	29 lb
Product Net Depth / Length	9.32 in
Product Net Height	20.93 in
Product Net Width	8.16 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	R3
Input Voltage ( $U_{in}$ )	440 ... 480 V
Mounting Type	Wall-mounting
Output Current, Normal Use ( $I_n$ )	44 A
Output Power, Light-Overload Use ( $P_{LD}$ )	30 Hp
Apparent Power Output	37 kV·A
Efficiency Level	IE2
Standby Loss	17 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	205 W	0.6 %	90.4 %
0 / 50 %	263 W	0.7 %	93.4 %
0 / 100 %	459 W	1.3 %	94.2 %
50 / 25 %	220 W	0.6 %	94.8 %
50 / 50 %	292 W	0.8 %	96.4 %
50 / 100 %	532 W	1.5 %	96.7 %
90 / 50 %	327 W	0.9 %	97.7 %
90 / 100 %	661 W	1.8 %	97.7 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	AC Drive
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Classifications

Environmental

WEEE Category

4. Large Equipment (Any 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

