

PRODUCT-DETAILS

ACH580-01-02A1-4

LV AC wall-mounted drive for HVAC, UL: Pld 1 Hp, 2.1 A, 460 V (ACH580-01-02A1-4)



General Information

Global Commercial Alias	ACH580-01-02A1-4
Product ID	3AUA0000222360
ABB Type Designation	ACH580-01-02A1-4
EAN	6438177507338
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 1 Hp, 2.1 A, 460 V (ACH580-01-02A1-4)

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, PLd 1HP, I2LD 2.1A
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	8.78 in
Product Net Height	14.69 in
Product Net Width	4.92 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Frame Size	R1
Input Voltage (U _{in})	440 ... 480 V
Mounting Type	Wall-mounting
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 %	27 W	1.5 %	77.5 %
0 / 50 %	28 W	1.6 %	86.3 %
0 / 100 %	32 W	1.8 %	91.2 %
50 / 25 %	27 W	1.6 %	87.6 %
50 / 50 %	29 W	1.7 %	92.7 %
50 / 100 %	34 W	1.9 %	95.3 %
90 / 50 %	31 W	1.8 %	95.6 %
90 / 100 %	37 W	2.1 %	97.1 %

Temperature Rating	Maximum 40 °C
--------------------	---------------

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

