

PRODUCT-DETAILS

ACH580-01-414A-4

LV AC wall-mounted drive for HVAC, UL: Pld 350 Hp, 414 A, 460 V (ACH580-01-414A-4)



General Information

Global Commercial Alias	ACH580-01-414A-4
Product ID	3AUA0000222392
ABB Type Designation	ACH580-01-414A-4
EAN	6438177507758
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 350 Hp, 414 A, 460 V (ACH580-01-414A-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	ACH580-01-414A-4, PLd 350HP, I2LD 414A

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	214 lb
Product Net Depth / Length	16.46 in
Product Net Height	37.6 in
Product Net Width	14.96 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	R9
Input Voltage (U_{in})	440 ... 480 V
Mounting Type	Wall-mounting
Apparent Power Output	344 kV·A
Efficiency Level	IE2
Standby Loss	107 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1388 W	0.4 %	93.0 %
0 / 50 %	2009 W	0.6 %	94.7 %
0 / 100 %	3784 W	1.1 %	95.0 %
50 / 25 %	1527 W	0.4 %	96.2 %
50 / 50 %	2270 W	0.7 %	97.1 %
50 / 100 %	4388 W	1.3 %	97.2 %
90 / 50 %	2672 W	0.8 %	98.1 %
90 / 100 %	5691 W	1.7 %	97.9 %

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

Additional Information

Product Name	AC Drive
--------------	----------

Classifications	
UNSPSC	39122001

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

