

PRODUCT-DETAILS

ACH580-01-414A-4+B056

LV AC wall-mounted drive for HVAC, 414 A, 380 ... 480 V (ACH580-01-414A-4+B056)



General Information

Global Commercial Alias	ACH580-01-414A-4+B056
Product ID	3AUA0000222415
ABB Type Designation	ACH580-01-414A-4+B056
EAN	6438177507987
Catalog Description	LV AC wall-mounted drive for HVAC, 414 A, 380 ... 480 V (ACH580-01-414A-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	ACH580-01-414A-4+B056, 480VAC, Pn 350HP, I2LD 414A, 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	228 lb
Product Net Depth / Length	18.78 in
Product Net Height	46.75 in
Product Net Width	16.95 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	R9
Input Voltage (U_{in})	440 ... 480 V
Mounting Type	Wall-mounting
Output Current, Normal Use (I_n)	414 A
Output Power, Light-Overload Use (P_{LD})	350 Hp
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 %	1393 W	0.4 %	93.0 %
0 / 50 %	2014 W	0.6 %	94.7 %
0 / 100 %	3789 W	1.1 %	95.0 %
50 / 25 %	1531 W	0.4 %	96.2 %
50 / 50 %	2275 W	0.7 %	97.1 %
50 / 100 %	4393 W	1.3 %	97.1 %
90 / 50 %	2677 W	0.8 %	98.1 %
90 / 100 %	5696 W	1.7 %	97.9 %

Temperature Rating	Maximum 40 °C
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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	

