

## PRODUCT-DETAILS

# ACH580-01-273A-2

LV AC wall-mounted drive for HVAC, UL: Pld  
100 Hp, 273 A, 230 V (ACH580-01-273A-2)



## General Information

Global Commercial Alias	ACH580-01-273A-2
Product ID	3AXD50000296576
ABB Type Designation	ACH580-01-273A-2
EAN	6438177545156
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 100 Hp, 273 A, 230 V (ACH580-01-273A-2)
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	ACH580-01-273A-2, PLd 100HP, I2LD 273A
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	153 lb
Product Net Depth / Length	15.47 in
Product Net Height	38.01 in
Product Net Width	11.81 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	R8
Input Voltage (U <sub>in</sub> )	200 ... 240 V
Mounting Type	Wall-mounting
Apparent Power Output	109 kV·A
Efficiency Level	IE2
Standby Loss	26 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	772 W	0.7 %	88.5 %
0 / 50 %	1105 W	1.0 %	91.1 %
0 / 100 %	2122 W	2.0 %	91.4 %
50 / 25 %	849 W	0.8 %	93.6 %
50 / 50 %	1259 W	1.2 %	94.9 %
50 / 100 %	2554 W	2.3 %	94.8 %
90 / 50 %	1558 W	1.4 %	96.5 %
90 / 100 %	3518 W	3.2 %	96.0 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	AC Drive
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Classifications

UNSPSC	39122001
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Environmental

Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-01 - Wall-mounted drive for HVAC

