

PRODUCT-DETAILS

# ACH580-01-059A-2

## LV AC wall-mounted drive for HVAC, UL: Pld 20 Hp, 59.4 A, 230 V (ACH580-01-059A-2)



### General Information

Global Commercial Alias	ACH580-01-059A-2
Product ID	3AXD50000296552
ABB Type Designation	ACH580-01-059A-2
EAN	6438177545132
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 20 Hp, 59.4 A, 230 V (ACH580-01-059A-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	ACH580-01-059A-2, PLd 20HP, I2LD 59.4A
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	26 lb
Product Net Depth / Length	9.01 in
Product Net Height	19.29 in
Product Net Width	7.99 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	R3
Input Voltage ( $U_{in}$ )	200 ... 240 V
Mounting Type	Wall-mounting
Apparent Power Output	24 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 %	205 W	0.9 %	85.9 %
0 / 50 %	268 W	1.1 %	90.0 %
0 / 100 %	474 W	2.0 %	91.1 %
50 / 25 %	224 W	0.9 %	92.1 %
50 / 50 %	301 W	1.3 %	94.4 %
50 / 100 %	571 W	2.4 %	94.6 %
90 / 50 %	354 W	1.5 %	96.2 %
90 / 100 %	762 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

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

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## Categories

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

