

## PRODUCT-DETAILS

# ACH580-01-10A6-2

LV AC wall-mounted drive for HVAC, UL: Pld 3 Hp, 10.6 A, 230 V (ACH580-01-10A6-2)



## General Information

Global Commercial Alias	ACH580-01-10A6-2
Product ID	3AXD50000284818
ABB Type Designation	ACH580-01-10A6-2
EAN	6438177542889
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 3 Hp, 10.6 A, 230 V (ACH580-01-10A6-2)
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	ACH580-01-10A6-2, PLd 3HP, I2LD 10.6A
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	4.82 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 ( $U_{in}$ )	200 ... 240 V
Mounting Type	Wall-mounting
Apparent Power Output	4.2 kV·A
Efficiency Level	IE2
Standby Loss	13 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	49 W	1.2 %	82.1 %
0 / 50 %	58 W	1.4 %	88.2 %
0 / 100 %	81 W	1.9 %	90.8 %
50 / 25 %	51 W	1.2 %	90.1 %
50 / 50 %	63 W	1.5 %	93.5 %
50 / 100 %	94 W	2.2 %	94.7 %
90 / 50 %	72 W	1.7 %	95.7 %
90 / 100 %	120 W	2.8 %	96.2 %

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

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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

