



PRODUCT-DETAILS

# ACH580-01-065A-4

## LV AC wall-mounted drive for HVAC, UL: Pld 50 Hp, 65 A, 460 V (ACH580-01-065A-4)



General Information

Global Commercial Alias	ACH580-01-065A-4
Product ID	3AUA0000222383
ABB Type Designation	ACH580-01-065A-4
EAN	6438177507666
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 50 Hp, 65 A, 460 V (ACH580-01-065A-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	ACH580-01-065A-4, PLd 50HP, I2LD 65A
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	42 lb
Product Net Depth / Length	10.13 in
Product Net Height	25.04 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	R4
Input Voltage (U <sub>in</sub> )	440 ... 480 V
Mounting Type	Wall-mounting
Apparent Power Output	54 kV·A
Efficiency Level	IE2
Standby Loss	21 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	211 W	0.4 %	93.1 %
0 / 50 %	269 W	0.5 %	95.4 %
0 / 100 %	462 W	0.9 %	96.0 %
50 / 25 %	229 W	0.4 %	96.3 %
50 / 50 %	307 W	0.6 %	97.4 %
50 / 100 %	552 W	1.0 %	97.7 %
90 / 50 %	358 W	0.7 %	98.3 %
90 / 100 %	719 W	1.3 %	98.3 %

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

