

PRODUCT-DETAILS

ACH580-01-04A1-4

LV AC wall-mounted drive for HVAC, IEC: Pn 1.5 kW, 4 A (ACH580-01-04A1-4)



General Information

Global Commercial Alias	ACH580-01-04A1-4
Product ID	3ABD50000038983
ABB Type Designation	ACH580-01-04A1-4
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 1.5 kW, 4 A (ACH580-01-04A1-4)
Long Description	<p>The 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 a 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 make 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 an IP21 enclosure and can be installed on the wall as standard. In addition, IP55 and flange mounting units are available.</p>

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACH580-01-04A1-4 PN: 1.5kW, IN: 4.0A
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	4.5 kg
Product Net Depth / Length	210 mm
Product Net Height	303 mm
Product Net Width	125 mm
Package Level 1 Units	0 carton

Technical	
Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	3.3 A
Output Current, Light-Overload Use (I_{LD})	3.8 A
Output Current, Normal Use (I_n)	4 A
Output Power, Heavy-Duty Use (P_{HD})	1.1 kW
Output Power, Light-Overload Use (P_{LD})	1.5 kW
Output Power, Normal Use (P_n)	1.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	34 W	1.2 %	81.0 %
0 / 50 %	38 W	1.4 %	88.2 %
0 / 100 %	47 W	1.7 %	91.8 %
50 / 25 %	36 W	1.3 %	89.6 %
50 / 50 %	40 W	1.5 %	93.6 %
50 / 100 %	52 W	1.9 %	95.5 %
90 / 50 %	44 W	1.6 %	96.0 %
90 / 100 %	60 W	2.2 %	97.0 %

Additional Information

Product Name

Frequency Converter

Classifications

UNSPSC

39122001

Environmental

WEEE Category

5. Small Equipment (No 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

