

PRODUCT-DETAILS

ACH580-01-045A-4+B056

LV AC wall-mounted drive for HVAC, IEC: Pn 22 kW, 45 A (ACH580-01-045A-4+B056)



General Information

Global Commercial Alias	ACH580-01-045A-4+B056
Product ID	3ABD00045699-D
ABB Type Designation	ACH580-01-045A-4+B056
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 22 kW, 45 A (ACH580-01-045A-4+B056)
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	ACH580-01-045A-4+B056
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	14.9 kg
Product Net Depth / Length	228 mm
Product Net Height	454 mm
Product Net Width	203 mm
Package Level 1 Units	0 carton

Technical	
Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U_{in})	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	37.7 A
Output Current, Light-Overload Use (I_{LD})	42.8 A
Output Current, Normal Use (I_n)	45 A
Output Power, Heavy-Duty Use (P_{HD})	18.5 kW
Output Power, Light-Overload Use (P_{LD})	22 kW
Output Power, Normal Use (P_n)	22 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	200 W	0.6 %	89.2 %
0 / 50 %	260 W	0.8 %	92.5 %
0 / 100 %	459 W	1.5 %	93.3 %
50 / 25 %	216 W	0.7 %	94.1 %
50 / 50 %	290 W	0.9 %	95.8 %
50 / 100 %	534 W	1.7 %	96.1 %
90 / 50 %	328 W	1.1 %	97.3 %
90 / 100 %	672 W	2.2 %	97.3 %

Additional Information

Product Name

frequency converter

Environmental

WEEE Category

4. Large Equipment (Any 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

