

PRODUCT-DETAILS

## ACH580-01-171A-2+B056

ACH580-01-171A-2 Pn 45 kW, I2n 171 A,  
Protection class IP55, EMC class C2



### General Information

Global Commercial Alias	ACH580-01-171A-2+B056
Product ID	3AXD50000417919
ABB Type Designation	ACH580-01-171A-2+B056
EAN	6438177591733
Catalog Description	ACH580-01-171A-2 Pn 45 kW, I2n 171 A, Protection class IP55, EMC class C2

#### 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.

### Complete Drive Module Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	503 W	0.7 %	88.0 %
0 / 50 %	694 W	1.0 %	91.1 %
0 / 100 %	1264 W	1.9 %	91.8 %
50 / 25 %	552 W	0.8 %	93.3 %
50 / 50 %	792 W	1.2 %	94.9 %
50 / 100 %	1491 W	2.2 %	95.2 %
90 / 50 %	951 W	1.4 %	96.6 %
90 / 100 %	2000 W	2.9 %	96.3 %

## Ordering

Customs Tariff Number	85044084
EAN	6438177591733
Quote Only	No
Made To Order	No
Selling Unit of Measure	piece
Minimum Order Quantity	1 piece
Order Multiple	1 piece

## Dimensions

Product Net Height	880 mm
Product Net Length	381 mm
Product Net Weight	56 kg
Product Net Width	284 mm

## Technical

Frequency (f)	50/60 Hz
Input Voltage (U <sub>in</sub> )	200 ... 240 V
Number of Phases	3
Communication Protocol	BACNET MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems

## Additional Information

Product Name	Frequency converter
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## Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
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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

