

PRODUCT-DETAILS

ACH580-01-144A-2+B056

ACH580-01-144A-2 Pn 37 kW, I2n 144 A,
Protection class IP55, EMC class C2



General Information

Global Commercial Alias	ACH580-01-144A-2+B056
Product ID	3AXD50000417902
ABB Type Designation	ACH580-01-144A-2+B056
EAN	6438177591726
Catalog Description	ACH580-01-144A-2 Pn 37 kW, I2n 144 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 %	479 W	0.8 %	86.7 %
0 / 50 %	663 W	1.2 %	90.0 %
0 / 100 %	1213 W	2.1 %	90.7 %
50 / 25 %	522 W	0.9 %	92.6 %
50 / 50 %	747 W	1.3 %	94.4 %
50 / 100 %	1433 W	2.5 %	94.5 %
90 / 50 %	900 W	1.6 %	96.1 %
90 / 100 %	1932 W	3.4 %	95.8 %

Ordering

Customs Tariff Number	85044084
EAN	6438177591726
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	727 mm
Product Net Length	380 mm
Product Net Weight	43 kg
Product Net Width	252 mm

Technical

Frequency (f)	50/60 Hz
Input Voltage (U _{in})	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

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-01 - Wall-mounted drive for HVAC

