

PRODUCT-DETAILS

ACH580-01-430A-4

ACH580-01-430A-4 PN: 250 kW, IN: 430 A



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACH580-01-430A-4 |
| Product ID | 3AUA0000080535 |
| ABB Type Designation | ACH580-01-430A-4 |
| EAN | 6438177305910 |
| Catalog Description | ACH580-01-430A-4 PN: 250 kW, IN: 430 A |

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 % | 1466 W | 0.5 % | 91.6 % |
| 0 / 50 % | 2117 W | 0.7 % | 93.7 % |
| 0 / 100 % | 4027 W | 1.4 % | 93.9 % |
| 50 / 25 % | 1610 W | 0.5 % | 95.4 % |
| 50 / 50 % | 2388 W | 0.8 % | 96.5 % |
| 50 / 100 % | 4671 W | 1.6 % | 96.5 % |
| 90 / 50 % | 2816 W | 0.9 % | 97.7 % |
| 90 / 100 % | 6067 W | 2.0 % | 97.5 % |

Ordering

| | |
|-------------------------|---------------|
| Customs Tariff Number | 85044088 |
| EAN | 6438177305910 |
| Quote Only | No |
| Made To Order | Yes |
| Selling Unit of Measure | piece |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |

Dimensions

| | |
|--------------------|--------|
| Product Net Height | 955 mm |
| Product Net Length | 418 mm |
| Product Net Weight | 97 kg |
| Product Net Width | 380 mm |

Technical

| | |
|----------------------------------|--|
| Frequency (f) | 50/60 Hz |
| Input Voltage (U _{in}) | 380 ... 480 V |
| Mounting Type | Wall-mounted |
| Number of Phases | 3 |
| Communication Protocol | BACNET MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems |

Additional Information

| | |
|-------------------|---------------------|
| Product Main Type | ACH580-01 |
| Product Name | Frequency converter |

Classifications

| | |
|--------|--|
| ETIM 7 | EC001857 - Frequency converter =< 1 kV |
|--------|--|

Categories

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

