

PRODUCT-DETAILS

ACH580-01-156A-4+B056

LV AC wall-mounted drive for HVAC, 156 A, 380 ... 480 V (ACH580-01-156A-4+B056)



General Information

| | |
|-------------------------|---|
| Global Commercial Alias | ACH580-01-156A-4+B056 |
| Product ID | 3AUA0000222410 |
| ABB Type Designation | ACH580-01-156A-4+B056 |
| EAN | 6438177507932 |
| Catalog Description | LV AC wall-mounted drive for HVAC, 156 A, 380 ... 480 V (ACH580-01-156A-4+B056) |
| 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. |

Ordering

| | |
|------------------------|--|
| Country of Origin | United States (US) |
| Customs Tariff Number | 85044080 |
| Invoice Description | ACH580-01-156A-4+B056, 480VAC, Pn 125HP, I2LD 156A, N12/IP55 |
| 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 | 124 lb |
| Product Net Depth / Length | 16.3 in |
| Product Net Height | 40.86 in |
| Product Net Width | 12.76 in |
| Package Level 1 Units | 1 carton |

Technical

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|---|---------------|
| Number of Phases | 3 |
| Degree of Protection | IP55 |
| Enclosure Type NEMA | Type12 |
| Frequency (f) | 50/60 Hz |
| Frame Size | R7 |
| Input Voltage (U_{in}) | 440 ... 480 V |
| Mounting Type | Wall-mounting |
| Output Current, Normal Use (I_n) | 156 A |
| Output Power, Light-Overload Use (P_{LD}) | 125 Hp |
| Apparent Power Output | 130 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 45 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 537 W | 0.4 % | 92.9 % |
| 0 / 50 % | 713 W | 0.5 % | 95.0 % |
| 0 / 100 % | 1201 W | 0.9 % | 95.7 % |
| 50 / 25 % | 585 W | 0.5 % | 96.2 % |
| 50 / 50 % | 807 W | 0.6 % | 97.2 % |
| 50 / 100 % | 1402 W | 1.1 % | 97.5 % |
| 90 / 50 % | 941 W | 0.7 % | 98.2 % |
| 90 / 100 % | 1815 W | 1.4 % | 98.2 % |

| | |
|--------------------|---------------|
| Temperature Rating | Maximum 40 °C |
|--------------------|---------------|

Additional Information

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| Product Name | AC Drive |
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| Classifications | |
|-----------------|---|
| UNSPSC | 39122001 |
| 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 |

