

PRODUCT-DETAILS

ACH580-01-240A-4

LV AC wall-mounted drive for HVAC, UL: Pld
200 Hp, 240 A, 460 V (ACH580-01-240A-4)



General Information

| | |
|-------------------------|---|
| Global Commercial Alias | ACH580-01-240A-4 |
| Product ID | 3AUA0000222389 |
| ABB Type Designation | ACH580-01-240A-4 |
| EAN | 6438177507727 |
| Catalog Description | LV AC wall-mounted drive for HVAC, UL: Pld 200 Hp, 240 A, 460 V (ACH580-01-240A-4) |
| 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 | ACH580-01-240A-4, PLd 200HP, I2LD 240A |

| | |
|-------------------------|---------|
| 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 | 153 lb |
| Product Net Depth / Length | 15.47 in |
| Product Net Height | 38.01 in |
| Product Net Width | 11.81 in |
| Package Level 1 Units | 1 carton |

Technical

| | |
|---|---------------|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Frequency (f) | 50/60 Hz |
| Frame Size | R8 |
| Input Voltage (U_{in}) | 440 ... 480 V |
| Mounting Type | Wall-mounting |
| Apparent Power Output | 200 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 61 W |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 828 W | 0.4 % | 92.9 % |
| 0 / 50 % | 1129 W | 0.6 % | 94.9 % |
| 0 / 100 % | 1987 W | 1.0 % | 95.4 % |
| 50 / 25 % | 903 W | 0.5 % | 96.2 % |
| 50 / 50 % | 1278 W | 0.6 % | 97.1 % |
| 50 / 100 % | 2324 W | 1.2 % | 97.4 % |
| 90 / 50 % | 1502 W | 0.8 % | 98.1 % |
| 90 / 100 % | 3039 W | 1.5 % | 98.1 % |

| | |
|--------------------|---------------|
| 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 | |

