

PRODUCT-DETAILS

ACH580-01-07A3-4+B056

LV AC wall-mounted drive for HVAC, IEC: Pn 3 kW, 7.2 A (ACH580-01-07A3-4+B056)



General Information

| | |
|-------------------------|---|
| Global Commercial Alias | ACH580-01-07A3-4+B056 |
| Product ID | 3ABD50000039002 |
| ABB Type Designation | ACH580-01-07A3-4+B056 |
| Catalog Description | LV AC wall-mounted drive for HVAC, IEC: Pn 3 kW, 7.2 A (ACH580-01-07A3-4+B056) |
| Long Description | The 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 a 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 make 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 an IP21 enclosure and can be installed on the wall as standard. In addition, IP55 and flange mounting units are available. |

Ordering

| | |
|-----------------------|---|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACH580-01-07A3-4+B056 PN: 3kW, IN: 7.2A |
| Made To Order | No |

| | |
|-------------------------|---------|
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |
| Quote Only | No |
| Selling Unit of Measure | piece |

Dimensions

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|----------------------------|----------|
| Product Net Weight | 4.6 kg |
| Product Net Depth / Length | 223 mm |
| Product Net Height | 303 mm |
| Product Net Width | 125 mm |
| Package Level 1 Units | 0 carton |

Technical

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|---|------------------------|
| Number of Phases | 3 |
| Degree of Protection | IP55 |
| Enclosure Type NEMA | Type12 |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R1 |
| Input Voltage (U_{in}) | 380 ... 500 V |
| Mounting Type | Wall-mounted_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 5.6 A |
| Output Current, Light-Overload Use (I_{LD}) | 6.8 A |
| Output Current, Normal Use (I_n) | 7.2 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 2.2 kW |
| Output Power, Light-Overload Use (P_{LD}) | 3 kW |
| Output Power, Normal Use (P_n) | 3 kW |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 49 W | 1.0 % | 84.3 % |
| 0 / 50 % | 57 W | 1.1 % | 89.9 % |
| 0 / 100 % | 77 W | 1.6 % | 92.4 % |
| 50 / 25 % | 52 W | 1.0 % | 91.4 % |
| 50 / 50 % | 62 W | 1.2 % | 94.5 % |
| 50 / 100 % | 87 W | 1.7 % | 95.8 % |
| 90 / 50 % | 67 W | 1.4 % | 96.6 % |
| 90 / 100 % | 98 W | 2.0 % | 97.3 % |

Additional Information

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| Product Name | Frequency Converter |
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Classifications

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| UNSPSC | 39122001 |
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Environmental

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| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
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Categories

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

