



PRODUCT-DETAILS

ACQ580-01-211A-2+B056

LV AC wall-mounted drive for water and wastewater, UL: Pld 75 Hp, 211 A, 460 V (ACQ580-01-211A-2+B056)

General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACQ580-01-211A-2+B056 |
| Product ID | 3AXD50000268856 |
| ABB Type Designation | ACQ580-01-211A-2+B056 |
| EAN | 6438177538202 |
| Catalog Description | LV AC wall-mounted drive for water and wastewater, UL: Pld 75 Hp, 211 A, 460 V (ACQ580-01-211A-2+B056) |

Long Description

The ACQ580-01 drives deliver innovative pump features for the water and wastewater industry, securing energy efficient flow of water and wastewater in your pumping solutions. This robust and compact wall-mounted drive has built-in pump application functionality such as sensorless flow calculation, multipump control, level control, soft pipe fill, dry run protection, quick ramps and a solution for keeping the impeller of the pump clean. Usability is further enhanced with the intuitive Hand-Off-Auto control panel, the PC tool Drive composer and an optional Bluetooth® control panel. The built-in energy calculator visualizes the energy savings achieved with the use of the drive. The ACQ580-01 variant comes in IP21 enclosure as standard and can be installed on the wall. Also, IP55 and flange mounting units are available.

Ordering

| | |
|-------------------------|--|
| Country of Origin | Finland (FI) United States (US) |
| Customs Tariff Number | 85044080 |
| Invoice Description | ACQ580-01-211A-2+B056, PLD 75 HP, I2LD 211 A |
| 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 / | 16.3 in |

Length

| | |
|-----------------------|----------|
| Product Net Height | 34.66 in |
| Product Net Width | 11.18 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}) | 208 ... 240 V |
| Mounting Type | Wall-mounting |
| Apparent Power Output | 84 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 22 W |

Complete Drive Module
Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 632 W | 0.8 % | 87.9 % |
| 0 / 50 % | 897 W | 1.1 % | 90.7 % |
| 0 / 100 % | 1718 W | 2.0 % | 91.0 % |
| 50 / 25 % | 699 W | 0.8 % | 93.2 % |
| 50 / 50 % | 1044 W | 1.2 % | 94.6 % |
| 50 / 100 % | 2066 W | 2.5 % | 94.6 % |
| 90 / 50 % | 1284 W | 1.5 % | 96.2 % |
| 90 / 100 % | 2809 W | 3.3 % | 95.9 % |

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

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| Product Name | AC Drive |
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Classifications

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| UNSPSC | 39122001 |
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Environmental

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|---------------|---|
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |
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Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ580-01 - Wall-mounted drive for water and wastewater