



## PRODUCT-DETAILS

# ACQ580-01-04A8-4+B056

## LV AC wall-mounted drive for water and wastewater, UL: Pld 3 Hp, 4.8 A, 460 V (ACQ580-01-04A8-4+B056)

### General Information

|                         |   |
|-------------------------|---|
| Global Commercial Alias | ACQ580-01-04A8-4+B056   |
| Product ID              | 3AUA0000204876  |
| ABB Type Designation    | ACQ580-01-04A8-4+B056   |
| EAN                     | 6438177451358   |
| Catalog Description     | LV AC wall-mounted drive for water and wastewater, UL: Pld 3 Hp, 4.8 A, 460 V (ACQ580-01-04A8-4+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)<br>Romania (RO)                |
| Customs Tariff Number   | 85044080                                    |
| Invoice Description     | ACQ580-01-04A8-4+B056, PLD 3 HP, I2LD 4.8 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         | 11 lb    |
| Product Net Depth / Length | 9.17 in  |
| Product Net Height         | 15.86 in |
| Product Net Width          | 5.06 in  |
| Package Level 1 Units      | 1 carton |

Technical

|                                  |               |
|----------------------------------|---------------|
| Number of Phases                 | 3             |
| Degree of Protection             | IP55          |
| Enclosure Type NEMA              | Type12        |
| Frequency (f)                    | 50/60 Hz      |
| Frame Size                       | R1            |
| Input Voltage (U <sub>in</sub> ) | 440 ... 480 V |
| Mounting Type                    | Wall-mounting |
| Apparent Power Output            | 4.0 kV·A      |
| Efficiency Level                 | IE2           |
| Standby Loss                     | 15 W          |
| Complete Drive Module            |               |
| Efficiency (61800-9-2)           |               |

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 %                               | 39 W             | 1.0 %            | 84.5 %     |
| 0 / 50 %                               | 43 W             | 1.1 %            | 90.4 %     |
| 0 / 100 %                              | 55 W             | 1.4 %            | 93.2 %     |
| 50 / 25 %                              | 40 W             | 1.0 %            | 91.6 %     |
| 50 / 50 %                              | 47 W             | 1.2 %            | 94.8 %     |
| 50 / 100 %                             | 61 W             | 1.5 %            | 96.3 %     |
| 90 / 50 %                              | 51 W             | 1.3 %            | 96.8 %     |
| 90 / 100 %                             | 73 W             | 1.8 %            | 97.5 %     |

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

Additional Information

|              |          |
|--------------|----------|
| Product Name | AC Drive |
|--------------|----------|

Classifications

|        |          |
|--------|----------|
| UNSPSC | 39122001 |
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Environmental

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

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