



PRODUCT-DETAILS

ACQ580-01-07A6-4

LV AC wall-mounted drive for water and wastewater, UL: Pld 5 Hp, 7.6 A, 460 V (ACQ580-01-07A6-4)

General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACQ580-01-07A6-4 |
| Product ID | 3AUA0000204855 |
| ABB Type Designation | ACQ580-01-07A6-4 |
| EAN | 6438177451143 |
| Catalog Description | LV AC wall-mounted drive for water and wastewater, UL: Pld 5 Hp, 7.6 A, 460 V (ACQ580-01-07A6-4) |

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) Romania (RO) |
| Customs Tariff Number | 85044080 |
| Invoice Description | ACQ580-01-07A6-4, 480VAC, Pn 3HP, I2LD 4.8A, N1/IP21 |
| 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 | 10.1 lb |
| Product Net Depth / | 8.78 in |

Length

| | |
|-----------------------|----------|
| Product Net Height | 14.69 in |
| Product Net Width | 4.82 in |
| Package Level 1 Units | 1 carton |

Technical

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|----------------------------------|---------------|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Frequency (f) | 50/60 Hz |
| Frame Size | R1 |
| Input Voltage (U _{in}) | 440 ... 480 V |
| Mounting Type | Wall-mounting |
| Apparent Power Output | 6.3 kV·A |
| Efficiency Level | IE2 |
| Standby Loss | 15 W |

Complete Drive Module
Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 52 W | 0.8 % | 86.6 % |
| 0 / 50 % | 60 W | 1.0 % | 91.5 % |
| 0 / 100 % | 82 W | 1.3 % | 93.6 % |
| 50 / 25 % | 54 W | 0.9 % | 92.8 % |
| 50 / 50 % | 65 W | 1.0 % | 95.4 % |
| 50 / 100 % | 91 W | 1.4 % | 96.5 % |
| 90 / 50 % | 69 W | 1.1 % | 97.2 % |
| 90 / 100 % | 103 W | 1.6 % | 97.8 % |

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

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 | 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 water → ACQ580-01 - Wall-mounted drive for water and wastewater