

PRODUCT-DETAILS

ACQ580-01-073A-4

LV AC wall-mounted drive for water and wastewater, IEC: Pn 37 kW, 73 A (ACQ580-01-073A-4)



General Information

| | |
|-------------------------|---|
| Global Commercial Alias | ACQ580-01-073A-4 |
| Product ID | 3ABD00045423-D |
| ABB Type Designation | ACQ580-01-073A-4 |
| Catalog Description | LV AC wall-mounted drive for water and wastewater, IEC: Pn 37 kW, 73 A (ACQ580-01-073A-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 an IP21 enclosure as standard and can be installed on the wall. In addition, IP55 and flange mounting units are available.

Ordering

| | |
|------------------------|------------------------------------|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACQ580-01-073A-4 PN: 37kW, IN: 73A |
| 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 | 19 kg |
| Product Net Depth / Length | 258 mm |
| Product Net Height | 600 mm |
| Product Net Width | 203 mm |
| Package Level 1 Units | 0 carton |

Technical

| | |
|---|------------------------|
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R4 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Wall-mounted_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 61 A |
| Output Current, Light-Overload Use (I_{LD}) | 68.4 A |
| Output Current, Normal Use (I_n) | 73 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 30 kW |
| Output Power, Light-Overload Use (P_{LD}) | 37 kW |
| Output Power, Normal Use (P_n) | 37 kW |
| Efficiency Level | IE2 |

Complete Drive Module
Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 295 W | 0.6 % | 90.1 % |
| 0 / 50 % | 392 W | 0.8 % | 93.0 % |
| 0 / 100 % | 726 W | 1.4 % | 93.4 % |
| 50 / 25 % | 324 W | 0.6 % | 94.5 % |
| 50 / 50 % | 454 W | 0.9 % | 96.0 % |
| 50 / 100 % | 866 W | 1.7 % | 96.1 % |
| 90 / 50 % | 527 W | 1.0 % | 97.4 % |
| 90 / 100 % | 1120 W | 2.2 % | 97.2 % |

| | |
|------------------------|---|
| Additional Information | |
| Product Name | Frequency Converter |
| Classifications | |
| UNSPSC | 39122001 |
| Environmental | |
| 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 |

