

PRODUCT-DETAILS

ACQ580-01-032A-2

ACQ580-01-032A-2 PN: 7.5 kW, IN: 31 A



General Information

| | |
|-------------------------|---------------------------------------|
| Global Commercial Alias | ACQ580-01-032A-2 |
| Product ID | 3AXD50000418008 |
| ABB Type Designation | ACQ580-01-032A-2 |
| EAN | 6438177591825 |
| Catalog Description | ACQ580-01-032A-2 PN: 7.5 kW, IN: 31 A |

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.

Complete Drive Module Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 99 W | 0.8 % | 86.9 % |
| 0 / 50 % | 130 W | 1.0 % | 90.7 % |
| 0 / 100 % | 232 W | 1.9 % | 91.6 % |
| 50 / 25 % | 108 W | 0.9 % | 92.7 % |
| 50 / 50 % | 149 W | 1.2 % | 94.7 % |
| 50 / 100 % | 277 W | 2.2 % | 95.0 % |
| 90 / 50 % | 176 W | 1.4 % | 96.4 % |
| 90 / 100 % | 358 W | 2.9 % | 96.4 % |

Ordering

| | |
|-------------------------|---------------|
| Customs Tariff Number | 85044084 |
| EAN | 6438177591825 |
| Quote Only | No |
| Made To Order | Yes |
| Selling Unit of Measure | piece |
| Minimum Order Quantity | 1 piece |
| Order Multiple | 1 piece |

Container Information

| | |
|--------------|-----------------------|
| Gross Volume | 13.54 dm ³ |
|--------------|-----------------------|

Dimensions

| | |
|--------------------|----------|
| Product Net Height | 473 mm |
| Product Net Length | 228.5 mm |
| Product Net Weight | 6.6 kg |
| Product Net Width | 125 mm |

Technical

| | |
|----------------------------------|--|
| Frequency (f) | 50/60 Hz |
| Input Voltage (U _{in}) | 200 ... 240 V |
| Mounting Type | Wall-mounted |
| Number of Phases | 3 |
| Communication Protocol | MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems |

Additional Information

| | |
|-------------------|---------------------|
| Product Main Type | ACQ580-01 |
| Product Name | Frequency converter |

Classifications

Categories

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

