

PRODUCT-DETAILS

ACQ580-01-106A-4

ACQ580-01-106A-4 PN: 55 kW, IN: 106 A



General Information

| | |
|-------------------------|---------------------------------------|
| Global Commercial Alias | ACQ580-01-106A-4 |
| Product ID | 3AXD50000034602 |
| ABB Type Designation | ACQ580-01-106A-4 |
| EAN | 6438177409885 |
| Catalog Description | ACQ580-01-106A-4 PN: 55 kW, IN: 106 A |

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.

Long Description

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 % | 325 W | 0.4 % | 92.5 % |
| 0 / 50 % | 449 W | 0.6 % | 94.5 % |
| 0 / 100 % | 864 W | 1.2 % | 94.6 % |
| 50 / 25 % | 359 W | 0.5 % | 95.9 % |
| 50 / 50 % | 521 W | 0.7 % | 96.8 % |
| 50 / 100 % | 1023 W | 1.4 % | 96.9 % |
| 90 / 50 % | 606 W | 0.8 % | 97.9 % |
| 90 / 100 % | 1290 W | 1.8 % | 97.8 % |

Ordering

| | |
|-------------------------|---------------|
| Customs Tariff Number | 85044084 |
| EAN | 6438177409885 |
| 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 | 43.836 dm ³ |
|--------------|------------------------|

Dimensions

| | |
|--------------------|---------|
| Product Net Height | 732 mm |
| Product Net Length | 295 mm |
| Product Net Weight | 28.3 kg |
| Product Net Width | 203 mm |

Technical

| | |
|----------------------------------|--|
| Frequency (f) | 50/60 Hz |
| Input Voltage (U _{in}) | 380 ... 480 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

