

PRODUCT-DETAILS

ACQ580-01-206A-4

LV AC wall-mounted drive for water and wastewater, IEC: Pn 110 kW, 206 A (ACQ580-01-206A-4)



General Information

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|-------------------------|---|
| Global Commercial Alias | ACQ580-01-206A-4 |
| Product ID | 3ABD00045428-D |
| ABB Type Designation | ACQ580-01-206A-4 |
| Catalog Description | LV AC wall-mounted drive for water and wastewater, IEC: Pn 110 kW, 206 A (ACQ580-01-206A-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 | ACQ580-01-206A-4 PN: 110kW, IN: 206A |
| Made To Order | No |
| Minimum Order Quantity | 1 piece |

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|-------------------------|---------|
| Order Multiple | 1 piece |
| Quote Only | No |
| Selling Unit of Measure | piece |

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|----------------------------|----------|
| Dimensions | |
| Product Net Weight | 54 kg |
| Product Net Depth / Length | 370 mm |
| Product Net Height | 880 mm |
| Product Net Width | 284 mm |
| Package Level 1 Units | 0 carton |

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|---|------------------------|
| Technical | |
| Number of Phases | 3 |
| Degree of Protection | IP21 |
| Enclosure Type NEMA | Type1 |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R7 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Wall-mounted_NO UNIT\$ |
| Output Current, Heavy-Duty Use (I_{HD}) | 169 A |
| Output Current, Light-Overload Use (I_{LD}) | 196 A |
| Output Current, Normal Use (I_n) | 206 A |
| Output Power, Heavy-Duty Use (P_{HD}) | 90 kW |
| Output Power, Light-Overload Use (P_{LD}) | 110 kW |
| Output Power, Normal Use (P_n) | 110 kW |
| Efficiency Level | IE2 |

Complete Drive Module
Efficiency (61800-9-2)

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 722 W | 0.5 % | 91.5 % |
| 0 / 50 % | 1001 W | 0.7 % | 93.7 % |
| 0 / 100 % | 1797 W | 1.3 % | 94.2 % |
| 50 / 25 % | 793 W | 0.6 % | 95.3 % |
| 50 / 50 % | 1138 W | 0.8 % | 96.5 % |
| 50 / 100 % | 2116 W | 1.5 % | 96.7 % |
| 90 / 50 % | 1345 W | 0.9 % | 97.6 % |
| 90 / 100 % | 2785 W | 2.0 % | 97.5 % |

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|------------------------|---|
| 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 | |

