

PRODUCT-DETAILS

ACQ531-01-169A-4+P973

ACQ531-01-169A-4+P973 PN: 90kW, IN: 169A



General Information

| | |
|-------------------------|--|
| Global Commercial Alias | ACQ531-01-169A-4+P973 |
| Product ID | 3ABD00058636-D |
| ABB Type Designation | ACQ531-01-169A-4+P973 |
| Catalog Description | ACQ531-01-169A-4+P973 PN: 90kW, IN: 169A |

Long Description

The ACQ531-01 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 simple pump application functionality. Usability is further enhanced with the optional 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 ACQ531-01 variant comes in an IP20 enclosure as standard and can be installed on the wall.

Ordering

| | |
|------------------------|--|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACQ531-01-169A-4+P973 PN: 90kW, IN: 169A |
| 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 | 49.6 kg |
| Product Net Depth / Length | 370 mm |
| Product Net Height | 600 mm |
| Product Net Width | 284 mm |
| Package Level 1 Depth / Length | 970 mm |
| Package Level 1 Height | 600 mm |
| Package Level 1 Width | 380 mm |
| Package Level 1 Units | 1 carton |

Technical

| | |
|---|------------------|
| Number of Phases | 3 |
| Degree of Protection | IP20 |
| Enclosure Type NEMA | Open Type |
| Frequency (f) | 47.5 ... 63 Hz |
| Frame Size | R7 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Light-Overload Use (I_{LD}) | 161 A |
| Output Current, Normal Use (I_n) | 169 A |
| Output Power, Light-Overload Use (P_{LD}) | 90 kW |
| Output Power, Normal Use (P_n) | 90 kW |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 556 W | 0.5 % | 92 % |
| 0 / 50 % | 754 W | 0.6 % | 94.2 % |
| 0 / 100 % | 1317 W | 1.1 % | 94.8 % |
| 50 / 25 % | 611 W | 0.5 % | 95.6 % |
| 50 / 50 % | 860 W | 0.7 % | 96.7 % |
| 50 / 100 % | 1547 W | 1.3 % | 97 % |
| 90 / 50 % | 1013 W | 0.9 % | 97.8 % |
| 90 / 100 % | 2021 W | 1.7 % | 97.8 % |

Additional Information

| | |
|--------------|---------------------|
| Product Name | Frequency Converter |
|--------------|---------------------|

Classifications

UNSPSC

39122001

Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ531-01 - Wall-mounted drive for water and wastewater

