

PRODUCT-DETAILS

ACQ531-01-088A-4+J400

ACQ531-01-088A-4+J400 PN: 45kW, IN: 88A



General Information

| | |
|-------------------------|---|
| Global Commercial Alias | ACQ531-01-088A-4+J400 |
| Product ID | 3ABD00049832 |
| ABB Type Designation | ACQ531-01-088A-4+J400 |
| Catalog Description | ACQ531-01-088A-4+J400 PN: 45kW, IN: 88A |

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 | ACQ531-01-088A-4+J400 PN: 45kW, IN: 88A |
| 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 | 26.5 kg |
| Product Net Depth / Length | 295 mm |
| Product Net Height | 596 mm |
| Product Net Width | 203 mm |
| Package Level 1 Depth / Length | 830 mm |
| Package Level 1 Height | 510 mm |
| Package Level 1 Width | 280 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 | R5 |
| Input Voltage (U_{in}) | 380 ... 480 V |
| Mounting Type | Module_NO UNIT\$ |
| Output Current, Light-Overload Use (I_{LD}) | 82.7 A |
| Output Current, Normal Use (I_n) | 88 A |
| Output Power, Light-Overload Use (P_{LD}) | 45 kW |
| Output Power, Normal Use (P_n) | 45 kW |
| Efficiency Level | IE2 |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 294 W | 0.5 % | 91.9 % |
| 0 / 50 % | 402 W | 0.7 % | 94.1 % |
| 0 / 100 % | 767 W | 1.3 % | 94.3 % |
| 50 / 25 % | 325 W | 0.5 % | 95.5 % |
| 50 / 50 % | 469 W | 0.8 % | 96.6 % |
| 50 / 100 % | 915 W | 1.5 % | 96.6 % |
| 90 / 50 % | 545 W | 0.9 % | 97.8 % |
| 90 / 100 % | 1139 W | 1.9 % | 97.6 % |

| | |
|------------------------|---------------------|
| Additional Information | |
| Product Name | Frequency Converter |

| Classifications | |
|-----------------|----------|
| UNSPSC | 39122001 |

| Environmental | |
|---------------|--|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

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

