



PRODUCT-DETAILS

ACH531-01-073A-4+P973
, IEC: Pn 37 kW, 73 A (ACH531-01-073A-4+P973)



| General Information | |
|-------------------------|---|
| Global Commercial Alias | ACH531-01-073A-4+P973 |
| Product ID | 3ABD00058701-D |
| ABB Type Designation | ACH531-01-073A-4+P973 |
| Catalog Description | , IEC: Pn 37 kW, 73 A (ACH531-01-073A-4+P973) |
| Long Description | <p>The ACH531 drive offering has all key features built-in to control fans, pumps and compressors, and more complex equipment like air-handling units and chillers, ensuring a smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the standard basic control panel can make startup, commissioning, and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH531-01 comes in an IP20 enclosure and can be installed on the wall as standard.</p> |

| Ordering | |
|------------------------|---|
| Country of Origin | China (CN) |
| Customs Tariff Number | 85044099 |
| Invoice Description | ACH531-01-073A-4+P973 PN: 37kW, IN: 73A |
| 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 | 18.5 kg |
| Product Net Depth / Length | 257 mm |
| Product Net Height | 636 mm |
| Product Net Width | 203 mm |
| Package Level 1 Depth / Length | 720 mm |
| Package Level 1 Height | 380 mm |
| Package Level 1 Width | 300 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 | R4 |
| Input Voltage (U_{in}) | 380 ... 500 V |
| Mounting Type | Wall-mounted_NO UNIT\$ |
| Output Current, Light-Overload Use (I_{LD}) | 68.4 A |
| Output Current, Normal Use (I_n) | 73 A |
| Output Power, Light-Overload Use (P_{LD}) | 37 kW |
| Output Power, Normal Use (P_n) | 37 kW |
| Complete Drive Module Efficiency (61800-9-2) | |

| Operating Point Frequency / Current | Absolute Loss | Relative Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 % | 289 W | 0.6 % | 90.3 % |
| 0 / 50 % | 386 W | 0.8 % | 93.1 % |
| 0 / 100 % | 720 W | 1.4 % | 93.5 % |
| 50 / 25 % | 318 W | 0.6 % | 94.6 % |
| 50 / 50 % | 448 W | 0.9 % | 96 % |
| 50 / 100 % | 860 W | 1.7 % | 96.2 % |
| 90 / 50 % | 522 W | 1 % | 97.4 % |
| 90 / 100 % | 1114 W | 2.2 % | 97.2 % |

| Additional Information | |
|------------------------|---------------------|
| Product Name | frequency converter |

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

| Categories | |
|---|--|
| Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH531-01 - Wall-mounted drive for HVAC | |

