

## PRODUCT-DETAILS

# ACQ531-01-169A-4+P972

## ACQ531-01-169A-4+P972 PN: 90kW, IN: 169A



### General Information

Global Commercial Alias	ACQ531-01-169A-4+P972
Product ID	3ABD00058613-D
ABB Type Designation	ACQ531-01-169A-4+P972
Catalog Description	ACQ531-01-169A-4+P972 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+P972 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

