

PRODUCT-DETAILS

ACQ531-01-07A3-4
ACQ531-01-07A3-4 PN: 3kW, IN: 7.2A



General Information

Global Commercial Alias	ACQ531-01-07A3-4
Product ID	3AXD50000750009
ABB Type Designation	ACQ531-01-07A3-4
Catalog Description	ACQ531-01-07A3-4 PN: 3kW, IN: 7.2A

Long Description	<p>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.</p>
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Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ531-01-07A3-4 PN: 3kW, IN: 7.2A
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	4 kg
Product Net Depth / Length	223 mm
Product Net Height	331 mm
Product Net Width	125 mm
Package Level 1 Depth / Length	525 mm
Package Level 1 Height	425 mm
Package Level 1 Width	225 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	R1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	6.8 A
Output Current, Normal Use (I_n)	7.2 A
Output Power, Light-Overload Use (P_{LD})	3 kW
Output Power, Normal Use (P_n)	3 kW
Apparent Power Output	5.0 kV·A
Efficiency Level	IE2
Standby Loss	14 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	47 W	1 %	84.7 %
0 / 50 %	55 W	1.1 %	90.2 %
0 / 100 %	76 W	1.5 %	92.6 %
50 / 25 %	50 W	1 %	91.7 %
50 / 50 %	60 W	1.2 %	94.7 %
50 / 100 %	85 W	1.7 %	95.9 %
90 / 50 %	66 W	1.3 %	96.7 %
90 / 100 %	97 W	1.9 %	97.3 %

Temperature Rating

Maximum 40 °C

Additional Information	
Product Name	Frequency Converter
Classifications	
UNSPSC	39122001
Environmental	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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

