

PRODUCT-DETAILS

ACQ531-01-12A6-4

ACQ531-01-12A6-4 PN: 5.5kW, IN: 12.6A



General Information

Global Commercial Alias	ACQ531-01-12A6-4
Product ID	3ABD00046380
ABB Type Designation	ACQ531-01-12A6-4
Catalog Description	ACQ531-01-12A6-4 PN: 5.5kW, IN: 12.6A

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	ACQ531-01-12A6-4 PN: 5.5kW, IN: 12.6A
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	1.9 kg
Product Net Depth / Length	207 mm
Product Net Height	223 mm
Product Net Width	97 mm
Package Level 1 Depth / Length	280 mm
Package Level 1 Height	270 mm
Package Level 1 Width	175 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	B1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	12 A
Output Current, Normal Use (I_n)	12.6 A
Output Power, Light-Overload Use (P_{LD})	5.5 kW
Output Power, Normal Use (P_n)	5.5 kW
Apparent Power Output	8.7 kV·A
Efficiency Level	IE2
Standby Loss	16 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	64 W	0.7 %	87.8 %
0 / 50 %	79 W	0.9 %	91.9 %
0 / 100 %	129 W	1.5 %	93.3 %
50 / 25 %	66 W	0.8 %	93.6 %
50 / 50 %	85 W	1 %	95.6 %
50 / 100 %	144 W	1.7 %	96.3 %
90 / 50 %	94 W	1.1 %	97.3 %
90 / 100 %	165 W	1.9 %	97.6 %

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

