

PRODUCT-DETAILS

ACQ531-01-046A-4+J400

ACQ531-01-046A-4+J400 PN: 22kW, IN: 46A



General Information

Global Commercial Alias	ACQ531-01-046A-4+J400
Product ID	3ABD00049829
ABB Type Designation	ACQ531-01-046A-4+J400
Catalog Description	ACQ531-01-046A-4+J400 PN: 22kW, IN: 46A

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	ACQ531-01-046A-4+J400 PN: 22kW, IN: 46A
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	12 kg
Product Net Depth / Length	228 mm
Product Net Height	490 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	610 mm
Package Level 1 Height	425 mm
Package Level 1 Width	290 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	R3
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	42.8 A
Output Current, Normal Use (I_n)	46 A
Output Power, Light-Overload Use (P_{LD})	22 kW
Output Power, Normal Use (P_n)	22 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	196 W	0.6 %	89.4 %
0 / 50 %	258 W	0.8 %	92.5 %
0 / 100 %	465 W	1.5 %	93.2 %
50 / 25 %	213 W	0.7 %	94.2 %
50 / 50 %	290 W	0.9 %	95.8 %
50 / 100 %	545 W	1.7 %	96 %
90 / 50 %	327 W	1 %	97.3 %
90 / 100 %	677 W	2.2 %	97.2 %

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	

