

## PRODUCT-DETAILS

# ACQ531-01-088A-4+0J404

## ACQ531-01-088A-4+0J404 PN: 45kW, IN: 88A



### General Information

Global Commercial Alias	ACQ531-01-088A-4+0J404
Product ID	3ABD00049855
ABB Type Designation	ACQ531-01-088A-4+0J404
Catalog Description	ACQ531-01-088A-4+0J404 PN: 45kW, IN: 88A

#### 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	ACQ531-01-088A-4+0J404 PN: 45kW, IN: 88A
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	26.5 kg
Product Net Depth / Length	295 mm
Product Net Height	596 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	830 mm
Package Level 1 Height	510 mm
Package Level 1 Width	280 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	R5
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use ( $I_{LD}$ )	82.7 A
Output Current, Normal Use ( $I_n$ )	88 A
Output Power, Light-Overload Use ( $P_{LD}$ )	45 kW
Output Power, Normal Use ( $P_n$ )	45 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	294 W	0.5 %	91.9 %
0 / 50 %	402 W	0.7 %	94.1 %
0 / 100 %	767 W	1.3 %	94.3 %
50 / 25 %	325 W	0.5 %	95.5 %
50 / 50 %	469 W	0.8 %	96.6 %
50 / 100 %	915 W	1.5 %	96.6 %
90 / 50 %	545 W	0.9 %	97.8 %
90 / 100 %	1139 W	1.9 %	97.6 %

Additional Information

Product Name	Frequency Converter
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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

