

## PRODUCT-DETAILS

# ACQ531-04-820A-4+P973

## ACQ531-04-820A-4+P973 PN:450kW, IN:820A



### General Information

Global Commercial Alias	ACQ531-04-820A-4+P973
Product ID	3ABD00059352-D
ABB Type Designation	ACQ531-04-820A-4+P973
Catalog Description	ACQ531-04-820A-4+P973 PN:450kW, IN:820A
Long Description	The ACQ531-04 drives deliver pump features for the water and wastewater industry, securing energy efficient flow of water and wastewater in your pumping solutions. This robust and compact drive module has a built-in pump application functionality. The ACQ531-04 drive module comes in an IP00 enclosure as standard for cabinet installation. In addition, an IP20 enclosure is available.

### Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ531-04-820A-4+P973 PN:450kW, IN:820A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No

Selling Unit of Measure	piece
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Dimensions	
Product Net Weight	199 kg
Product Net Depth / Length	529 mm
Product Net Height	1662 mm
Product Net Width	350 mm
Package Level 1 Depth / Length	2050 mm
Package Level 1 Height	500 mm
Package Level 1 Width	645 mm
Package Level 1 Units	1 carton

Technical	
Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Cabinet-built_NO UNIT\$
Output Current, Light-Overload Use ( $I_{LD}$ )	810 A
Output Current, Normal Use ( $I_n$ )	820 A
Output Power, Light-Overload Use ( $P_{LD}$ )	450 kW
Output Power, Normal Use ( $P_n$ )	450 kW

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	2422 W	0.4 %	92.6 %
0 / 50 %	3525 W	0.6 %	94.4 %
0 / 100 %	6605 W	1.2 %	94.7 %
50 / 25 %	2630 W	0.5 %	96 %
50 / 50 %	3984 W	0.7 %	96.9 %
50 / 100 %	7719 W	1.4 %	97 %
90 / 50 %	4659 W	0.8 %	98 %
90 / 100 %	9641 W	1.7 %	97.9 %

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Additional Information

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Product Name	frequency converter
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Categories

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Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ531-04 - Drive module for water and wastewater

