

PRODUCT-DETAILS

ACQ531-01-430A-4

ACQ531-01-430A-4 PN: 2500kW, IN: 430A



General Information	
Global Commercial Alias	ACQ531-01-430A-4
Product ID	3ABD00046396
ABB Type Designation	ACQ531-01-430A-4
Catalog Description	ACQ531-01-430A-4 PN: 2500kW, IN: 430A
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>

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ531-01-430A-4 PN: 2500kW, IN: 430A
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	84.8 kg
Product Net Depth / Length	418 mm
Product Net Height	680 mm
Product Net Width	300 mm
Package Level 1 Depth / Length	1160 mm
Package Level 1 Height	650 mm
Package Level 1 Width	490 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	R9
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Light-Overload Use (I_{LD})	400 A
Output Current, Normal Use (I_n)	430 A
Output Power, Light-Overload Use (P_{LD})	200 kW
Output Power, Normal Use (P_n)	250 kW
Apparent Power Output	298.0 kV·A
Efficiency Level	IE2
Standby Loss	80 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1466 W	0.5 %	91.6 %
0 / 50 %	2117 W	0.7 %	93.7 %
0 / 100 %	4027 W	1.4 %	93.9 %
50 / 25 %	1610 W	0.5 %	95.4 %
50 / 50 %	2388 W	0.8 %	96.5 %
50 / 100 %	4671 W	1.6 %	96.5 %
90 / 50 %	2816 W	0.9 %	97.7 %
90 / 100 %	6067 W	2 %	97.5 %

Temperature Rating

Maximum 40 °C

Additional Information	
Product Name	Frequency Converter
Classifications	
UNSPSC	39122001
Environmental	
WEEE Category	4. Large Equipment (Any 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

