

PRODUCT-DETAILS

ACQ531-01-106A-4

ACQ531-01-106A-4 PN: 55kW, IN: 106A



General Information

Global Commercial Alias	ACQ531-01-106A-4
Product ID	3ABD00046389
ABB Type Designation	ACQ531-01-106A-4
Catalog Description	ACQ531-01-106A-4 PN: 55kW, IN: 106A

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	ACQ531-01-106A-4 PN: 55kW, IN: 106A
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})	100 A
Output Current, Normal Use (I_n)	106 A
Output Power, Light-Overload Use (P_{LD})	55 kW
Output Power, Normal Use (P_n)	55 kW
Apparent Power Output	73.0 kV·A
Efficiency Level	IE2
Standby Loss	24 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	325 W	0.4 %	92.5 %
0 / 50 %	449 W	0.6 %	94.5 %
0 / 100 %	864 W	1.2 %	94.6 %
50 / 25 %	359 W	0.5 %	95.9 %
50 / 50 %	521 W	0.7 %	96.8 %
50 / 100 %	1023 W	1.4 %	96.9 %
90 / 50 %	606 W	0.8 %	97.9 %
90 / 100 %	1290 W	1.8 %	97.8 %

Temperature RatingMaximum 40 °C

Additional Information

Product NameFrequency Converter

Classifications

UNSPSC39122001

Environmental

WEEE Category4. 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

