

PRODUCT-DETAILS

ACQ580-01-04A1-4+B056

LV AC wall-mounted drive for water and wastewater, IEC: Pn 1.5 kW, 4 A (ACQ580-01-04A1-4+B056)



General Information

Global Commercial Alias	ACQ580-01-04A1-4+B056
Product ID	3ABD50000039034
ABB Type Designation	ACQ580-01-04A1-4+B056
Catalog Description	LV AC wall-mounted drive for water and wastewater, IEC: Pn 1.5 kW, 4 A (ACQ580-01-04A1-4+B056)

Long Description	<p>The ACQ580-01 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 pump application functionality such as sensorless flow calculation, multipump control, level control, soft pipe fill, dry run protection, quick ramps, and a solution for keeping the impeller of the pump clean. Usability is further enhanced with the 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 ACQ580-01 variant comes in an IP21 enclosure as standard and can be installed on the wall. In addition, IP55 and flange mounting units are available.</p>
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Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ580-01-04A1-4+B056 PN: 1.5kW, IN: 4.0A
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	4.6 kg
Product Net Depth / Length	223 mm
Product Net Height	303 mm
Product Net Width	125 mm
Package Level 1 Units	0 carton

Technical	
Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage (U_{in})	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	3.3 A
Output Current, Light-Overload Use (I_{LD})	3.8 A
Output Current, Normal Use (I_n)	4 A
Output Power, Heavy-Duty Use (P_{HD})	1.1 kW
Output Power, Light-Overload Use (P_{LD})	1.5 kW
Output Power, Normal Use (P_n)	1.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	34 W	1.2 %	81.0 %
0 / 50 %	38 W	1.4 %	88.2 %
0 / 100 %	47 W	1.7 %	91.8 %
50 / 25 %	36 W	1.3 %	89.6 %
50 / 50 %	40 W	1.5 %	93.6 %
50 / 100 %	52 W	1.9 %	95.5 %
90 / 50 %	44 W	1.6 %	96.0 %
90 / 100 %	60 W	2.2 %	97.0 %

Additional Information	
Product Name	Frequency Converter
Classifications	
UNSPSC	39122001
Environmental	
WEEE Category	Product Not in WEEE Scope

Categories
Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ580-01 - Wall-mounted drive for water and wastewater

