

PRODUCT-DETAILS

ACQ580-01-03A4-4

LV AC wall-mounted drive for water and wastewater, IEC: Pn 1.1 kW, 3.3 A (ACQ580-01-03A4-4)



General Information

Global Commercial Alias	ACQ580-01-03A4-4
Product ID	3ABD50000039016
ABB Type Designation	ACQ580-01-03A4-4
Catalog Description	LV AC wall-mounted drive for water and wastewater, IEC: Pn 1.1 kW, 3.3 A (ACQ580-01-03A4-4)

Long Description	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.
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Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ580-01-03A4-4 PN: 1.1kW, IN: 3.3A
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	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R1
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	2.6 A
Output Current, Light-Overload Use (I_{LD})	3.1 A
Output Current, Normal Use (I_n)	3.3 A
Output Power, Heavy-Duty Use (P_{HD})	0.75 kW
Output Power, Light-Overload Use (P_{LD})	1.1 kW
Output Power, Normal Use (P_n)	1.1 kW
Efficiency Level	IE2

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	32 W	1.4 %	79.2 %
0 / 50 %	34 W	1.5 %	87.2 %
0 / 100 %	41 W	1.8 %	91.4 %
50 / 25 %	33 W	1.4 %	88.5 %
50 / 50 %	36 W	1.6 %	93.1 %
50 / 100 %	45 W	2.0 %	95.2 %
90 / 50 %	39 W	1.7 %	95.7 %
90 / 100 %	51 W	2.2 %	96.9 %

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

