

## PRODUCT-DETAILS

# ACQ580-01-12A7-4+B056

LV AC wall-mounted drive for water and wastewater, IEC: Pn 5.5 kW, 12.6 A (ACQ580-01-12A7-4+B056)



## General Information

Global Commercial Alias	ACQ580-01-12A7-4+B056
Product ID	3ABD50000039038
ABB Type Designation	ACQ580-01-12A7-4+B056
Catalog Description	LV AC wall-mounted drive for water and wastewater, IEC: Pn 5.5 kW, 12.6 A (ACQ580-01-12A7-4+B056)

### 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.

## Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ580-01-12A7-4+B056 PN: 5.5kW, IN: 12.6A
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 ( $I_{HD}$ )	9.4 A
Output Current, Light-Overload Use ( $I_{LD}$ )	12 A
Output Current, Normal Use ( $I_n$ )	12.6 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	4 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	5.5 kW
Output Power, Normal Use ( $P_n$ )	5.5 kW
Efficiency Level	IE2

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	68 W	0.8 %	87.1 %
0 / 50 %	88 W	1.0 %	91.0 %
0 / 100 %	157 W	1.8 %	91.9 %
50 / 25 %	73 W	0.8 %	93.0 %
50 / 50 %	98 W	1.1 %	95.0 %
50 / 100 %	178 W	2.0 %	95.4 %
90 / 50 %	108 W	1.2 %	96.9 %
90 / 100 %	213 W	2.4 %	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

