

PRODUCT-DETAILS

# ACQ580-01-05A7-4+B056

## LV AC wall-mounted drive for water and wastewater, IEC: Pn 2.2 kW, 5.6 A (ACQ580-01-05A7-4+B056)



General Information	
Global Commercial Alias	ACQ580-01-05A7-4+B056
Product ID	3ABD50000039035
ABB Type Designation	ACQ580-01-05A7-4+B056
Catalog Description	LV AC wall-mounted drive for water and wastewater, IEC: Pn 2.2 kW, 5.6 A (ACQ580-01-05A7-4+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>

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ580-01-05A7-4+B056 PN: 2.2kW, IN: 5.6A

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 ( $I_{HD}$ )	4 A
Output Current, Light-Overload Use ( $I_{LD}$ )	5.3 A
Output Current, Normal Use ( $I_n$ )	5.6 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	1.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	2.2 kW
Output Power, Normal Use ( $P_n$ )	2.2 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	41 W	1.1 %	83.3 %
0 / 50 %	47 W	1.2 %	89.4 %
0 / 100 %	62 W	1.6 %	92.3 %
50 / 25 %	43 W	1.1 %	90.8 %
50 / 50 %	51 W	1.3 %	94.2 %
50 / 100 %	70 W	1.8 %	95.6 %
90 / 50 %	56 W	1.5 %	96.3 %
90 / 100 %	85 W	2.2 %	97.0 %

Additional Information

Product NameFrequency Converter

Classifications

UNSPSC39122001

Environmental

WEEE CategoryProduct 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

