

PRODUCT-DETAILS

ACQ580-01-09A5-4

LV AC wall-mounted drive for water and wastewater, IEC: Pn 4 kW, 9.4 A (ACQ580-01-09A5-4)



General Information	
Global Commercial Alias	ACQ580-01-09A5-4
Product ID	3ABD50000039020
ABB Type Designation	ACQ580-01-09A5-4
Catalog Description	LV AC wall-mounted drive for water and wastewater, IEC: Pn 4 kW, 9.4 A (ACQ580-01-09A5-4)
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	ACQ580-01-09A5-4 PN: 4kW, IN: 9.4A

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})	7.2 A
Output Current, Light-Overload Use (I_{LD})	8.9 A
Output Current, Normal Use (I_n)	9.4 A
Output Power, Heavy-Duty Use (P_{HD})	3 kW
Output Power, Light-Overload Use (P_{LD})	4 kW
Output Power, Normal Use (P_n)	4 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	62 W	1.0 %	84.7 %
0 / 50 %	74 W	1.1 %	90.0 %
0 / 100 %	105 W	1.6 %	92.1 %
50 / 25 %	66 W	1.0 %	91.6 %
50 / 50 %	81 W	1.2 %	94.5 %
50 / 100 %	118 W	1.8 %	95.6 %
90 / 50 %	88 W	1.4 %	96.6 %
90 / 100 %	136 W	2.1 %	97.1 %

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

