

PRODUCT-DETAILS

# ACQ580-01-211A-2

## LV AC wall-mounted drive for water and wastewater, UL: Pld 75 Hp, 211 A, 230 V (ACQ580-01-211A-2)



### General Information

Global Commercial Alias	ACQ580-01-211A-2
Product ID	3AXD50000268511
ABB Type Designation	ACQ580-01-211A-2
EAN	6438177537861
Catalog Description	LV AC wall-mounted drive for water and wastewater, UL: Pld 75 Hp, 211 A, 230 V (ACQ580-01-211A-2)

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 IP21 enclosure as standard and can be installed on the wall. Also, IP55 and flange mounting units are available.</p>
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### Ordering

Country of Origin	United States (US)
Customs Tariff Number	85044084
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	119.1 lb
Product Net Depth / Length	14.58 in
Product Net Height	34.67 in
Product Net Width	11.18 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Frame Size	R7
Input Voltage ( $U_{in}$ )	208 ... 240 V
Mounting Type	Wall-mounting
Apparent Power Output	84 kV·A
Efficiency Level	IE2
Standby Loss	22 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	632 W	0.8 %	87.9 %
0 / 50 %	897 W	1.1 %	90.7 %
0 / 100 %	1718 W	2.0 %	91.0 %
50 / 25 %	699 W	0.8 %	93.2 %
50 / 50 %	1044 W	1.2 %	94.6 %
50 / 100 %	2066 W	2.5 %	94.6 %
90 / 50 %	1284 W	1.5 %	96.2 %
90 / 100 %	2809 W	3.3 %	95.9 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	AC Drive
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Classifications

UNSPSC	39122001
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Environmental

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## Categories

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

