

PRODUCT-DETAILS

# ACQ580-01-096A-4

## LV AC wall-mounted drive for water and wastewater, UL: Pld 75 Hp, 96 A, 460 V (ACQ580-01-096A-4)



General Information	
Global Commercial Alias	ACQ580-01-096A-4
Product ID	3AUA0000222419
ABB Type Designation	ACQ580-01-096A-4
EAN	6438177508021
Catalog Description	LV AC wall-mounted drive for water and wastewater, UL: Pld 75 Hp, 96 A, 460 V (ACQ580-01-096A-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 IP21 enclosure as standard and can be installed on the wall. Also, IP55 and flange mounting units are available.</p>

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	62.4 lb
Product Net Depth / Length	11.6 in
Product Net Height	28.83 in
Product Net Width	7.99 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	R5
Input Voltage ( $U_{in}$ )	440 ... 480 V
Mounting Type	Wall-mounting
Apparent Power Output	80 kV·A
Efficiency Level	IE2
Standby Loss	28 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	304 W	0.4 %	93.5 %
0 / 50 %	412 W	0.5 %	95.3 %
0 / 100 %	772 W	1.0 %	95.5 %
50 / 25 %	333 W	0.4 %	96.4 %
50 / 50 %	474 W	0.6 %	97.3 %
50 / 100 %	911 W	1.1 %	97.4 %
90 / 50 %	544 W	0.7 %	98.3 %
90 / 100 %	1127 W	1.4 %	98.2 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	AC Drive
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Classifications	
UNSPSC	39122001

Environmental	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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

