

PRODUCT-DETAILS

ACQ580-01-143A-2

LV AC wall-mounted drive for water and wastewater, UL: Pld 50 Hp, 143 A, 230 V (ACQ580-01-143A-2)



General Information	
Global Commercial Alias	ACQ580-01-143A-2
Product ID	3AXD50000268498
ABB Type Designation	ACQ580-01-143A-2
EAN	6438177537847
Catalog Description	LV AC wall-mounted drive for water and wastewater, UL: Pld 50 Hp, 143 A, 230 V (ACQ580-01-143A-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>

Ordering	
Country of Origin	United States (US)
Customs Tariff Number	85044088
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	93.5 lb
Product Net Depth / Length	14.53 in
Product Net Height	28.6 in
Product Net Width	9.92 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	R6
Input Voltage (U _{in})	208 ... 240 V
Mounting Type	Wall-mounting
Apparent Power Output	57 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 %	474 W	0.8 %	86.7 %
0 / 50 %	655 W	1.1 %	90.1 %
0 / 100 %	1198 W	2.1 %	90.8 %
50 / 25 %	516 W	0.9 %	92.6 %
50 / 50 %	738 W	1.3 %	94.4 %
50 / 100 %	1418 W	2.5 %	94.5 %
90 / 50 %	891 W	1.6 %	96.2 %
90 / 100 %	1916 W	3.4 %	95.8 %

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	
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

