



PRODUCT-DETAILS

ACQ580-01-04A6-2+B056+P918

LV AC wall-mounted drive for water and wastewater, 208 ... 240 V (ACQ580-01-04A6-2+B056+P918)

General Information

Global Commercial Alias	ACQ580-01-04A6-2+B056+P918
Product ID	3AXD50000268740
ABB Type Designation	ACQ580-01-04A6-2+B056+P918
EAN	6438177538097
Catalog Description	LV AC wall-mounted drive for water and wastewater, 208 ... 240 V (ACQ580-01-04A6-2+B056+P918)

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	Finland (FI) China (CN)
Customs Tariff Number	85044080
Invoice Description	ACQ580-01-04A6-2+B056, PLD 1 HP, I2LD 4.6 A
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	11 lb
Product Net Depth / Length	9.17 in
Product Net Height	15.86 in
Product Net Width	5.06 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Frequency (f)	50/60 Hz
Frame Size	R1
Input Voltage (U_{in})	208 ... 240 V
Mounting Type	Wall-mounting
Output Current, Light-Overload Use (I_{LD})	4.6 A
Output Power, Light-Overload Use (P_{LD})	1 Hp
Apparent Power Output	1.8 kV·A
Efficiency Level	IE2
Standby Loss	13 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	32 W	1.7 %	75.4 %
0 / 50 %	35 W	1.9 %	84.4 %
0 / 100 %	41 W	2.3 %	89.4 %
50 / 25 %	33 W	1.8 %	86.1 %
50 / 50 %	37 W	2.0 %	91.4 %
50 / 100 %	45 W	2.5 %	94.1 %
90 / 50 %	39 W	2.1 %	94.7 %
90 / 100 %	52 W	2.8 %	96.2 %

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	5. Small Equipment (No External Dimension More Than 50 cm)
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Categories

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