



PRODUCT-DETAILS

ACQ580-01-143A-2+B056

LV AC wall-mounted drive for water and wastewater, UL: Pld 50 Hp, 143 A, 460 V (ACQ580-01-143A-2+B056)

General Information

Global Commercial Alias	ACQ580-01-143A-2+B056
Product ID	3AXD50000268832
ABB Type Designation	ACQ580-01-143A-2+B056
EAN	6438177538189
Catalog Description	LV AC wall-mounted drive for water and wastewater, UL: Pld 50 Hp, 143 A, 460 V (ACQ580-01-143A-2+B056)

Long Description

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.

Ordering

Country of Origin	Finland (FI) United States (US)
Customs Tariff Number	85044080
Invoice Description	ACQ580-01-143A-2+B056, PLD 50 HP, I2LD 143 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	95 lb
Product Net Depth /	16.4 in

Length

Product Net Height	28.58 in
Product Net Width	9.92 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	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
--------------------	---------------

Additional Information

Product Name	AC Drive
--------------	----------

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