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 PRODUCT-DETAILS

## ACQ580-01-033A-4+B056

LV AC wall-mounted drive for water and wastewater, IEC: Pn 15 kW, 32.0 A (ACQ580-01-033A-4+B056)




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**General Information**

Global Commercial Alias	ACQ580-01-033A-4+B056
Product ID	3AXD50000039046
ABB Type Designation	ACQ580-01-033A-4+B056
EAN	6438177459866

Catalog Description	LV AC wall-mounted drive for water and wastewater, IEC: Pn 15 kW, 32.0 A (ACQ580-01-033A-4+B056)
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## 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.

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**Ordering**

Country of Origin	Romania (RO) Finland (FI) China (CN)
Customs Tariff Number	85044085
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACQ580-01-033A-4+B056 PN: 15.0 kW, IN: 32 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

## Container Information

Gross Volume	23.923 dm <sup>3</sup>
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## Dimensions

Product Net Weight	13 kg 28.660 lb
Product Net Depth / Length	237 mm 9.331 in
Product Net Height	490 mm 19.291 in
Product Net Width	206 mm 8.110 in
Package Level 1 Depth / Length	295 mm 11.614 in
Package Level 1 Height	390 mm 15.354 in
Package Level 1 Width	600 mm 23.622 in
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Multiple Battery Information	95 Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Communication Protocol	TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0
Includes	Control unit
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-	24.6 A

Duty Use ( $I_{HD}$ )	
Output Current, Light-	30.4 A
Overload Use ( $I_{LD}$ )	
Output Current, Normal	32.0 A
Use ( $I_n$ )	
Output Power, Heavy-	11.0 kW
Duty Use ( $P_{HD}$ )	
Output Power, Light-	15.0 kW
Overload Use ( $P_{LD}$ )	
Output Power, Normal	15 kW
Use ( $P_n$ )	
Apparent Power Output	22 kV·A
Efficiency Level	IE2
Standby Loss	16 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	162 W	87.8 %	0.7 %
0/50 %	205 W	91.7 %	0.9 %
0/100 %	351 W	92.8 %	1.6 %
50/25 %	175 W	93.3 %	0.8 %
50/50 %	228 W	95.4 %	1.0 %
50/100 %	404 W	95.9 %	1.8 %
90/50 %	252 W	97.1 %	1.1 %
90/100 %	492 W	97.2 %	2.2 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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## Classifications

ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

## Environmental

SCIP	7ab39eb4-9330-424a-b7ff-fcf491eb4b83 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

## Additional Information

Product Main Type	ACQ580-01
Product Name	Frequency converter

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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

