



## PRODUCT-DETAILS

# ACQ580-01-052A-4+B056

## LV AC wall-mounted drive for water and wastewater, UL: Pld 40 Hp, 52 A, 460 V (ACQ580-01-052A-4+B056)

### General Information

Global Commercial Alias	ACQ580-01-052A-4+B056
Product ID	3AUA0000222427
ABB Type Designation	ACQ580-01-052A-4+B056
EAN	6438177508106
Catalog Description	LV AC wall-mounted drive for water and wastewater, UL: Pld 40 Hp, 52 A, 460 V (ACQ580-01-052A-4+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	ACQ580-01-052A-4+B056, PLD 40 HP, I2LD 52 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	45 lb
Product Net Depth / Length	10.44 in
Product Net Height	25.04 in
Product Net Width	7.99 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	R4
Input Voltage (U <sub>in</sub> )	440 ... 480 V
Mounting Type	Wall-mounting
Apparent Power Output	43 kV·A
Efficiency Level	IE2
Standby Loss	21 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	216 W	0.5 %	91.4 %
0 / 50 %	273 W	0.6 %	94.2 %
0 / 100 %	462 W	1.1 %	95.0 %
50 / 25 %	233 W	0.5 %	95.3 %
50 / 50 %	308 W	0.7 %	96.8 %
50 / 100 %	542 W	1.3 %	97.1 %
90 / 50 %	351 W	0.8 %	97.9 %
90 / 100 %	677 W	1.6 %	98.0 %

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)
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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