

PRODUCT-DETAILS

ACQ580-01-04A1-4

ACQ580-01-04A1-4 PN: 1.5 kW, IN: 4.0 A



General Information

Global Commercial Alias	ACQ580-01-04A1-4
Product ID	3AXD50000039017
ABB Type Designation	ACQ580-01-04A1-4
EAN	6438177459675
Catalog Description	ACQ580-01-04A1-4 PN: 1.5 kW, IN: 4.0 A

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.

Long Description

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.

Complete Drive Module Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	33 W	1.2 %	81.8 %
0 / 50 %	36 W	1.3 %	88.7 %
0 / 100 %	45 W	1.6 %	92.1 %
50 / 25 %	34 W	1.2 %	90.0 %
50 / 50 %	39 W	1.4 %	93.9 %
50 / 100 %	50 W	1.8 %	95.6 %
90 / 50 %	43 W	1.5 %	96.1 %
90 / 100 %	59 W	2.1 %	97.1 %

Ordering

Customs Tariff Number	85044084
EAN	6438177459675
Replaced Product ID (OLD)	3AXD50000034589
Quote Only	No
Made To Order	Yes
Selling Unit of Measure	piece
Minimum Order Quantity	1 piece
Order Multiple	1 piece

Container Information

Gross Volume	10.397 dm ³
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Dimensions

Product Net Height	373 mm
Product Net Length	223 mm
Product Net Weight	4.6 kg
Product Net Width	125 mm

Technical

Frequency (f)	50/60 Hz
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounted
Number of Phases	3
Communication Protocol	MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems

Additional Information

Product Main Type	ACQ580-01
Product Name	Frequency converter

Classifications

ETIM 7

EC001857 - Frequency converter =< 1 kV

Categories

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

