

PRODUCT-DETAILS

ACQ580-01-046A-4

ACQ580-01-046A-4 PN: 22 kW, IN: 45 A



General Information

Global Commercial Alias	ACQ580-01-046A-4
Product ID	3AXD50000039031
ABB Type Designation	ACQ580-01-046A-4
EAN	6438177459767
Catalog Description	ACQ580-01-046A-4 PN: 22 kW, IN: 45 A

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.

Complete Drive Module Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	194 W	0.6 %	89.5 %
0 / 50 %	254 W	0.8 %	92.6 %
0 / 100 %	454 W	1.5 %	93.3 %
50 / 25 %	210 W	0.7 %	94.2 %
50 / 50 %	285 W	0.9 %	95.9 %
50 / 100 %	529 W	1.7 %	96.2 %
90 / 50 %	322 W	1.0 %	97.4 %
90 / 100 %	667 W	2.1 %	97.3 %

Ordering

Customs Tariff Number	85044084
EAN	6438177459767
Replaced Product ID (OLD)	3AXD50000034598
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	22.779 dm ³
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Dimensions

Product Net Height	490 mm
Product Net Length	229 mm
Product Net Weight	11.8 kg
Product Net Width	203 mm

Technical

Enclosure Class	IP21
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

Product Series	ACQ580-04
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

