
PRODUCT-DETAILS

ACQ580-01-171A-2+B056

ACQ580-01-171A-2 Pn 45 kW, I_{2n} 171 A,
Protection class IP55, EMC class C2



General Information

Global Commercial Alias	ACQ580-01-171A-2+B056
Product ID	3AXD50000418213
ABB Type Designation	ACQ580-01-171A-2+B056
EAN	6438177592037
Catalog Description	ACQ580-01-171A-2 Pn 45 kW, I _{2n} 171 A, Protection class IP55, EMC class C2

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 %	503 W	0.7 %	88.0 %
0 / 50 %	694 W	1.0 %	91.1 %
0 / 100 %	1264 W	1.9 %	91.8 %
50 / 25 %	552 W	0.8 %	93.3 %
50 / 50 %	792 W	1.2 %	94.9 %
50 / 100 %	1491 W	2.2 %	95.2 %
90 / 50 %	951 W	1.4 %	96.6 %
90 / 100 %	2000 W	2.9 %	96.3 %

Ordering

Customs Tariff Number	85044084
EAN	6438177592037
Quote Only	No
Made To Order	No
Selling Unit of Measure	piece
Minimum Order Quantity	1 piece
Order Multiple	1 piece

Dimensions

Product Net Height	880 mm
Product Net Length	381 mm
Product Net Weight	56 kg
Product Net Width	284 mm

Technical

Frequency (f)	50/60 Hz
Input Voltage (U_{in})	200 ... 240 V
Number of Phases	3
Communication Protocol	MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems

Additional Information

Product Name	Frequency converter
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Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
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Categories

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

