

PRODUCT-DETAILS

ACQ580-01-144A-2+B056

ACQ580-01-144A-2 Pn 37 kW, I2n 144 A,
Protection class IP55, EMC class C2



General Information

Global Commercial Alias	ACQ580-01-144A-2+B056
Product ID	3AXD50000418206
ABB Type Designation	ACQ580-01-144A-2+B056
EAN	6438177592020
Catalog Description	ACQ580-01-144A-2 Pn 37 kW, I2n 144 A, Protection class IP55, EMC class C2

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 %	479 W	0.8 %	86.7 %
0 / 50 %	663 W	1.2 %	90.0 %
0 / 100 %	1213 W	2.1 %	90.7 %
50 / 25 %	522 W	0.9 %	92.6 %
50 / 50 %	747 W	1.3 %	94.4 %
50 / 100 %	1433 W	2.5 %	94.5 %
90 / 50 %	900 W	1.6 %	96.1 %
90 / 100 %	1932 W	3.4 %	95.8 %

Ordering

Customs Tariff Number	85044084
EAN	6438177592020
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	727 mm
Product Net Length	380 mm
Product Net Weight	43 kg
Product Net Width	252 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
--------------	---------------------

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

