

PRODUCT-DETAILS

ACQ580-04-585A-4

LV AC drive module for water and wastewater, IEC: Pn 315 kW, 585 A (ACQ580-04-585A-4)



General Information	
Global Commercial Alias	ACQ580-04-585A-4
Product ID	3ABD00046075-D
ABB Type Designation	ACQ580-04-585A-4
Catalog Description	LV AC drive module for water and wastewater, IEC: Pn 315 kW, 585 A (ACQ580-04-585A-4)
Long Description	<p>The ACQ580-04 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 drive module has a 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 ACQ580-04 drive module comes in an IP00 enclosure as standard for cabinet installation. In addition, an IP20 enclosure is available.</p>

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ580-04-585A-4 PN: 315kW, IN: 585A

Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	0 dm³
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Dimensions

Product Net Weight	161 kg
Product Net Depth / Length	529 mm
Product Net Height	1462 mm
Product Net Width	345 mm
Package Level 1 Depth / Length	1000 mm
Package Level 1 Height	500 mm
Package Level 1 Width	400 mm
Package Level 1 Units	0 carton

Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R10
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Cabinet-built_NO UNIT\$
Output Current, Heavy-Duty Use (I_{HD})	429 A
Output Current, Light-Overload Use (I_{LD})	575 A
Output Current, Normal Use (I_n)	585 A
Output Power, Heavy-Duty Use (P_{HD})	250 kW
Output Power, Light-Overload Use (P_{LD})	315 kW
Output Power, Normal Use (P_n)	315 kW

Efficiency Level

IE2

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1889 W	0.4 %	93.2 %
0 / 50 %	2690 W	0.6 %	95.0 %
0 / 100 %	4866 W	1.0 %	95.4 %
50 / 25 %	2030 W	0.4 %	96.4 %
50 / 50 %	2990 W	0.6 %	97.3 %
50 / 100 %	5617 W	1.2 %	97.4 %
90 / 50 %	3427 W	0.7 %	98.2 %
90 / 100 %	6840 W	1.4 %	98.2 %

Additional Information

Product Name

Frequency Converter

Classifications

UNSPSC

39122001

Environmental

WEEE Category

4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ580-04 - Drive module for water and wastewater

