

PRODUCT-DETAILS

# ACQ580-04-725A-4

## LV AC drive module for water and wastewater, IEC: Pn 400 kW, 725 A (ACQ580-04-725A-4)



### General Information

Global Commercial Alias	ACQ580-04-725A-4
Product ID	3ABD00046077-D
ABB Type Designation	ACQ580-04-725A-4
Catalog Description	LV AC drive module for water and wastewater, IEC: Pn 400 kW, 725 A (ACQ580-04-725A-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	ACQ580-04-725A-4 PN: 400kW, IN: 725A
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	199 kg
Product Net Depth / Length	529 mm
Product Net Height	1662 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	R11
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Cabinet-built_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	566 A
Output Current, Light-Overload Use ( $I_{LD}$ )	715 A
Output Current, Normal Use ( $I_n$ )	725 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	315 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	400 kW
Output Power, Normal Use ( $P_n$ )	400 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	2223 W	0.4 %	93.5 %
0 / 50 %	3150 W	0.5 %	95.3 %
0 / 100 %	5629 W	0.9 %	95.7 %
50 / 25 %	2399 W	0.4 %	96.5 %
50 / 50 %	3524 W	0.6 %	97.4 %
50 / 100 %	6547 W	1.1 %	97.6 %
90 / 50 %	4093 W	0.7 %	98.3 %
90 / 100 %	8108 W	1.3 %	98.3 %

Additional Information

Product Name	Frequency Converter
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Classifications

UNSPSC	39122001
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Environmental

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

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

