

PRODUCT-DETAILS

ACQ531-04-505A-4+P972

ACQ531-04-505A-4+P972 PN:250kW, IN:505A



General Information

Global Commercial Alias	ACQ531-04-505A-4+P972
Product ID	3ABD00059342-D
ABB Type Designation	ACQ531-04-505A-4+P972
Catalog Description	ACQ531-04-505A-4+P972 PN:250kW, IN:505A
Long Description	The ACQ531-04 drives deliver 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. The ACQ531-04 drive module comes in an IP00 enclosure as standard for cabinet installation. In addition, an IP20 enclosure is available.

Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACQ531-04-505A-4+P972 PN:250kW, IN:505A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No

Selling Unit of Measure	piece
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Dimensions

Product Net Weight	161 kg
Product Net Depth / Length	529 mm
Product Net Height	1462 mm
Product Net Width	350 mm
Package Level 1 Depth / Length	2050 mm
Package Level 1 Height	500 mm
Package Level 1 Width	645 mm
Package Level 1 Units	1 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, Light-Overload Use (I_{LD})	485 A
Output Current, Normal Use (I_n)	505 A
Output Power, Light-Overload Use (P_{LD})	250 kW
Output Power, Normal Use (P_n)	250 kW

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1735 W	0.5 %	91.5 %
0 / 50 %	2483 W	0.7 %	93.7 %
0 / 100 %	4506 W	1.3 %	94.2 %
50 / 25 %	1870 W	0.5 %	95.4 %
50 / 50 %	2758 W	0.8 %	96.5 %
50 / 100 %	5239 W	1.5 %	96.7 %
90 / 50 %	3178 W	0.9 %	97.7 %
90 / 100 %	6454 W	1.8 %	97.7 %

Additional Information

Product Name	frequency converter
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Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ531-04 - Drive module for water and wastewater

