

PRODUCT-DETAILS

3ABD00059225-D

ACS530-04-505A-4+P972 PN: 250kW, IN: 505A



General Information

Global Commercial Alias	3ABD00059225-D
Product ID	3ABD00059225-D
ABB Type Designation	ACS530-04-505A-4+P972
Catalog Description	ACS530-04-505A-4+P972 PN: 250kW, IN: 505A
Long Description	<p>The ACS530-04 has all essential features built-in as standard, simplifying drive selection, and making additional hardware unnecessary. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a rugged and robust design makes it a good fit for various environments. With the ACS530 drives, you can easily take full control of your processes to comprehensively manage your plant.</p> <p>The ACS530-04 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	ACS530-04-505A-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

Container Information

Gross Volume	161 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	500 mm
Package Level 1 Height	2050 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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Classifications

UNSPSC	39122001
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Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS530-04 - Drive module

