

PRODUCT-DETAILS

# ACS180-04S-17A5-2

## LV AC machinery drive module, IEC: Pn 4 kW, 17.5 A (ACS180-04S-17A5-2)



General Information	
Global Commercial Alias	ACS180-04S-17A5-2
Product ID	3AXD50000814107
ABB Type Designation	ACS180-04S-17A5-2
Catalog Description	LV AC machinery drive module, IEC: Pn 4 kW, 17.5 A (ACS180-04S-17A5-2)
Long Description	The ACS180 is a compact, robust, and adaptable variable speed drive (VSD) for applications such as pumps, fans, compressors, conveyors, winders and mixers. This easy-to-use compact VSD offers excellent performance and quality at superior value with all essential machinery application features embedded. And as a member of ABB's all-compatible drives portfolio, it shares the same architecture and user interfaces for ease of use.

Ordering	
Country of Origin	China (CN)
Customs Tariff Number	85044099
Invoice Description	ACS180-04S-17A5-2 PN: 4kW, IN: 17.5A
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	2.2 dm <sup>3</sup>
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## Dimensions

Product Net Weight	1.71 kg
Product Net Depth / Length	143 mm
Product Net Height	202 mm
Product Net Width	120 mm
Package Level 1 Depth / Length	225 mm
Package Level 1 Height	115 mm
Package Level 1 Width	220 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R2
Input Voltage ( $U_{in}$ )	200 ... 240 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	12.2 A
Output Current, Light-Overload Use ( $I_{LD}$ )	16.7 A
Output Current, Normal Use ( $I_n$ )	17.5 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	3 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	4 kW
Output Power, Normal Use ( $P_n$ )	4 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	76 W	1.1 %	82.8 %
0 / 50 %	93 W	1.3 %	88.5 %
0 / 100 %	134 W	1.9 %	90.8 %
50 / 25 %	82 W	1.2 %	90.4 %
50 / 50 %	104 W	1.5 %	93.5 %
50 / 100 %	159 W	2.3 %	94.5 %
90 / 50 %	121 W	1.7 %	95.7 %
90 / 100 %	198 W	2.8 %	96.2 %

Additional Information

Product Name	FREQUENCY CONVERTER
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Classifications

UNSPSC	39122001
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Environmental

SCIP	40922a0b-ac0b-46c4-8517-b1d36d17a369 Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Machinery Drives → ACS180 - Machinery Drive

