

PRODUCT-DETAILS

# ACS180-04N-07A2-4

## LV AC machinery drive module, IEC: Pn 3 kW, 7.2 A (ACS180-04N-07A2-4)



### General Information

Global Commercial Alias	ACS180-04N-07A2-4
Product ID	3AXD50000662487
ABB Type Designation	ACS180-04N-07A2-4
Catalog Description	LV AC machinery drive module, IEC: Pn 3 kW, 7.2 A (ACS180-04N-07A2-4)
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	ACS180-04N-07A2-4 PN: 3kW, IN: 7.2A
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	1.24 kg
Product Net Depth / Length	143 mm
Product Net Height	220 mm
Product Net Width	70 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	R1
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	5.6 A
Output Current, Light-Overload Use ( $I_{LD}$ )	6.8 A
Output Current, Normal Use ( $I_n$ )	7.2 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	2.2 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	3 kW
Output Power, Normal Use ( $P_n$ )	3 kW
Apparent Power Output	5.0 kV·A
Efficiency Level	IE2
Standby Loss	9 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	37 W	0.7 %	87.8 %
0 / 50 %	44 W	0.9 %	92.1 %
0 / 100 %	62 W	1.2 %	93.9 %
50 / 25 %	39 W	0.8 %	93.4 %
50 / 50 %	48 W	1.0 %	95.7 %
50 / 100 %	71 W	1.4 %	96.5 %
90 / 50 %	54 W	1.1 %	97.2 %
90 / 100 %	86 W	1.7 %	97.6 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	FREQUENCY CONVERTER
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Classifications

UNSPSC	39122001
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Environmental

SCIP	5d07f008-496e-4abd-8f50-616cb485c791 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

