

PRODUCT-DETAILS

# ACS180-04N-050A-4

## LV AC machinery drive module, IEC: Pn 22 kW, 50 A (ACS180-04N-050A-4)



General Information	
Global Commercial Alias	ACS180-04N-050A-4
Product ID	3AXD50000814510
ABB Type Designation	ACS180-04N-050A-4
Catalog Description	LV AC machinery drive module, IEC: Pn 22 kW, 50 A (ACS180-04N-050A-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-050A-4 PN: 22kW, IN: 50A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece

Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	5.3 kg
Product Net Depth / Length	178 mm
Product Net Height	205 mm
Product Net Width	260 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	R4
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Heavy-Duty Use ( $I_{HD}$ )	45 A
Output Current, Light-Overload Use ( $I_{LD}$ )	48 A
Output Current, Normal Use ( $I_n$ )	50 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	22 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	22 kW
Output Power, Normal Use ( $P_n$ )	22 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	214 W	0.6 %	89.6 %
0 / 50 %	289 W	0.8 %	92.5 %
0 / 100 %	527 W	1.5 %	93.1 %
50 / 25 %	227 W	0.7 %	94.4 %
50 / 50 %	317 W	0.9 %	95.9 %
50 / 100 %	593 W	1.7 %	96.1 %
90 / 50 %	355 W	1.0 %	97.4 %
90 / 100 %	679 W	2.0 %	97.5 %

Additional Information

Product Name	FREQUENCY CONVERTER
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Classifications

UNSPSC	39122001
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Environmental

SCIP	a7e9add0-620e-4316-8bd6-c358d91bc66b 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

