



PRODUCT-DETAILS

ACS180-04N-038A-4

LV AC machinery drive module, IEC: Pn 18.5 kW, 38 A (ACS180-04N-038A-4)



General Information	
Global Commercial Alias	ACS180-04N-038A-4
Product ID	3AXD50000814459
ABB Type Designation	ACS180-04N-038A-4
Catalog Description	LV AC machinery drive module, IEC: Pn 18.5 kW, 38 A (ACS180-04N-038A-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	
Customs Tariff Number	85044099
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04N-038A-4 PN: 18.5kW, IN: 38A
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	356 mm
Package Level 1 Height	275 mm
Package Level 1 Width	290 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, Normal Use (I_n)	38 A
Output Current, Light-Overload Use (I_{LD})	36 A
Output Current, Heavy-Duty Use (I_{HD})	32 A
Output Power, Normal Use (P_n)	18.5 kW
Output Power, Light-Overload Use (P_{LD})	18.5 kW
Output Power, Heavy-Duty Use (P_{HD})	15 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	173 W	0.7 %	89.0 %
0 / 50 %	228 W	0.9 %	92.2 %
0 / 100 %	396 W	1.5 %	93.1 %
50 / 25 %	183 W	0.7 %	94.1 %
50 / 50 %	249 W	0.9 %	95.7 %
50 / 100 %	448 W	1.7 %	96.2 %
90 / 50 %	278 W	1.1 %	97.3 %
90 / 100 %	504 W	1.9 %	97.6 %

External Classifications and Standards

UNSPSC 39122001

Environmental

SCIP	a7e9add0-620e-4316-8bd6-c358d91bc66b Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Additional Information

Product Name	FREQUENCY CONVERTER
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Categories

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

