



PRODUCT-DETAILS

ACS180-04S-09A8-2

LV AC machinery drive module, IEC: Pn 2.2 kW, 9.8 A (ACS180-04S-09A8-2)



General Information	
Global Commercial Alias	ACS180-04S-09A8-2
Product ID	3AXD50000827572
ABB Type Designation	ACS180-04S-09A8-2
Catalog Description	LV AC machinery drive module, IEC: Pn 2.2 kW, 9.8 A (ACS180-04S-09A8-2)
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	
Customs Tariff Number	85044099
HS Code	850440-- Electrical transformers, static converters (for example, rectifiers) and inductors.- Static converters
Invoice Description	ACS180-04S-09A8-2 PN: 2.2kW, IN: 9.8A
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	1.24 kg
Product Net Depth / Length	143 mm
Product Net Height	190 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})	200 ... 240 V
Mounting Type	Module_NO UNIT\$
Output Current, Normal Use (I _n)	9.8 A
Output Current, Light-Overload Use (I _{LD})	9.3 A
Output Current, Heavy-Duty Use (I _{HD})	7.4 A
Output Power, Normal Use (P _n)	2.2 kW
Output Power, Light-Overload Use (P _{LD})	2.2 kW
Output Power, Heavy-Duty Use (P _{HD})	1.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	31 W	0.8 %	86.8 %
0 / 50 %	39 W	1.0 %	91.2 %
0 / 100 %	57 W	1.5 %	92.8 %
50 / 25 %	33 W	0.8 %	92.9 %
50 / 50 %	42 W	1.1 %	95.2 %
50 / 100 %	64 W	1.6 %	96.0 %
90 / 50 %	47 W	1.2 %	96.9 %
90 / 100 %	76 W	2.0 %	97.3 %

External Classifications and Standards

UNSPSC	39122001
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Environmental

SCIP	a8a72b30-d5e5-4de6-b0f8-01a627cfc18e Finland
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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

