



 PRODUCT-DETAILS

ACS180-04N-25A0-4

LV AC machinery drive module, IEC: Pn 11 kW,
25 A (ACS180-04N-25A0-4)



General Information

Global Commercial Alias	ACS180-04N-25A0-4
Product ID	3AXD50000814190
ABB Type Designation	ACS180-04N-25A0-4
Catalog Description	LV AC machinery drive module, IEC: Pn 11 kW, 25 A (ACS180-04N-25A0-4)
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-25A0-4 PN: 11kW, IN: 25A
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	3.3 kg
Product Net Depth / Length	174 mm
Product Net Height	205 mm
Product Net Width	170 mm
Package Level 1 Depth / Length	284 mm
Package Level 1 Height	273 mm
Package Level 1 Width	250 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	R3
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Output Current, Normal Use (I _n)	25 A
Output Current, Light-Overload Use (I _{LD})	23.8 A
Output Current, Heavy-Duty Use (I _{HD})	17 A
Output Power, Normal Use (P _n)	11 kW
Output Power, Light-Overload Use (P _{LD})	11 kW
Output Power, Heavy-Duty Use (P _{HD})	7.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	121 W	0.7 %	88.3 %
0 / 50 %	162 W	0.9 %	91.6 %
0 / 100 %	291 W	1.7 %	92.4 %
50 / 25 %	129 W	0.7 %	93.7 %
50 / 50 %	178 W	1.0 %	95.4 %
50 / 100 %	332 W	1.9 %	95.7 %
90 / 50 %	202 W	1.2 %	97.0 %
90 / 100 %	393 W	2.3 %	97.1 %

External Classifications and Standards

UNSPSC	39122001
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Environmental

SCIP	ce087935-c5d0-48c8-89ae-769efc3dfb30 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

