



PRODUCT-DETAILS

ACS180-04S-07A8-2

LV AC machinery drive module, IEC: Pn 1.5 kW, 7.8 A (ACS180-04S-07A8-2)



General Information	
Global Commercial Alias:	ACS180-04S-07A8-2
Product ID:	3AXD50000827565
ABB Type Designation:	ACS180-04S-07A8-2
Catalog Description:	LV AC machinery drive module, IEC: Pn 1.5 kW, 7.8 A (ACS180-04S-07A8-2)
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.
Display Name:	ACS180-04S-07A8-2

Ordering	
Customs Tariff Number:	85044087

HS Code: 850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES; Electrical transformers, static converters (for example, rectifiers) and inductors; Static converters

Invoice Description:	ACS180-04S-07A8-2
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

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	28 W	0.9 %	85.5 %
0 / 50 %	34 W	1.1 %	90.3 %
0 / 100 %	50 W	1.6 %	92.2 %
50 / 25 %	29 W	0.9 %	92.2 %
50 / 50 %	36 W	1.2 %	94.8 %
50 / 100 %	55 W	1.8 %	95.7 %
90 / 50 %	40 W	1.3 %	96.7 %
90 / 100 %	63 W	2.0 %	97.2 %

Number of Phases:	3-phase
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):	7.8 A
Output Current, Light-Overload Use (I_{LD}):	7.5 A
Output Current, Heavy-Duty Use (I_{HD}):	6.9 A
Output Power, Normal Use (P_n):	1.5 kW
Output Power, Light-Overload Use (P_{LD}):	1.5 kW
Output Power, Heavy-Duty Use (P_{HD}):	1.1 kW
Efficiency Level:	IE2

Environmental

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

External Classifications and Standards

UNSPSC:	39122001
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Categories

Products > Drives > Low Voltage AC Drives > Machinery Drives > ACS180 - Machinery Drive

