



PRODUCT-DETAILS

ACS180-04S-033A-2

LV AC machinery drive module, IEC: Pn 7.5 kW, 32 A (ACS180-04S-033A-2)



General Information

Global Commercial Alias	ACS180-04S-033A-2
Product ID	3AXD50000874347
ABB Type Designation	ACS180-04S-033A-2
Catalog Description	LV AC machinery drive module, IEC: Pn 7.5 kW, 32 A (ACS180-04S-033A-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 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-033A-2 PN: 7.5kW, IN: 32A
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	2.965 kg
Product Net Depth / Length	174 mm
Product Net Height	205 mm
Product Net Width	170 mm
Package Level 1 Depth / Length	248 mm
Package Level 1 Height	273 mm
Package Level 1 Width	250 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3-phase
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U_{in})	200 ... 240 V
Mounting Type	Module_NO UNIT\$
Output Current, Normal Use (I_n)	32 A
Output Current, Light-Overload Use (I_{LD})	30.8 A
Output Current, Heavy-Duty Use (I_{HD})	25 A
Output Power, Normal Use (P_n)	7.5 kW
Output Power, Light-Overload Use (P_{LD})	7.5 kW
Output Power, Heavy-Duty Use (P_{HD})	5.5 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	107 W	0.8 %	86.3 %
0 / 50 %	152 W	1.2 %	89.6 %
0 / 100 %	286 W	2.2 %	90.1 %
50 / 25 %	114 W	0.9 %	92.5 %
50 / 50 %	162 W	1.3 %	94.4 %
50 / 100 %	333 W	2.6 %	94.2 %
90 / 50 %	175 W	1.4 %	96.5 %
90 / 100 %	407 W	3.2 %	96.0 %

Environmental

SCIP

86ca23c2-e410-4104-a24d-67fabcf299dc Finland

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC

39122001

Categories

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

