



PRODUCT-DETAILS

ACS880-01-156A-5

LV AC industrial wall-mounted single drive, IEC: Pn 90 kW, 156 A (ACS880-01-156A-5)



General Information

Global Commercial Alias	ACS880-01-156A-5
Product ID	3ABD00037857-D
ABB Type Designation	ACS880-01-156A-5
Catalog Description	LV AC industrial wall-mounted single drive, IEC: Pn 90 kW, 156 A (ACS880-01-156A-5)
Long Description	<p>The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps, and fans. The ACS880-01 comes in one compact package for easy installation and commissioning. The drive can be installed on the wall as standard and in a cabinet as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most environments and installations. ACS880-01 drives have all the essential features built-in. These features include as standard a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety, external output filters, and I/O extension modules.</p>

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

<u>Invoice Description</u>	ACS880-01-156A-5 PN: 90kW, IN: 156A
<u>Made To Order</u>	No
<u>Minimum Order Quantity</u>	1 piece
<u>Order Multiple</u>	1 piece
<u>Quote Only</u>	No
<u>Selling Unit of Measure</u>	piece

Dimensions

<u>Product Net Weight</u>	55 kg
<u>Product Net Depth / Length</u>	365 mm
<u>Product Net Height</u>	880 mm
<u>Product Net Width</u>	284 mm
<u>Package Level 1 Depth / Length</u>	970 mm
<u>Package Level 1 Height</u>	600 mm
<u>Package Level 1 Width</u>	380 mm
<u>Package Level 1 Units</u>	1 carton

Technical

<u>Number of Phases</u>	3-phase
<u>Degree of Protection</u>	IP21
<u>Enclosure Type NEMA</u>	Type1
<u>Frequency (f)</u>	47.5 ... 63 Hz
<u>Frame Size</u>	R7
<u>Input Voltage (U_{in})</u>	380 .. 500 V
<u>Mounting Type</u>	Wall-mounted_NO UNIT\$
<u>Output Current, Normal</u>	156 A
<u>Use (I_n)</u>	
<u>Output Current, Light-</u>	148 A
<u>Overload Use (I_{LD})</u>	
<u>Output Current, Heavy-</u>	124 A
<u>Duty Use (I_{HD})</u>	
<u>Output Power, Normal</u>	90 kW
<u>Use (P_n)</u>	
<u>Output Power, Light-</u>	90 kW
<u>Overload Use (P_{LD})</u>	
<u>Output Power, Heavy-</u>	75 kW
<u>Duty Use (P_{HD})</u>	
<u>Efficiency Level</u>	IE2
<u>Complete Drive Module</u>	
<u>Efficiency (IEC61800-9-2)</u>	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	510 W	0.4 %	93.5 %
0 / 50 %	716 W	0.5 %	95.2 %
0 / 100 %	1229 W	0.9 %	95.8 %
50 / 25 %	548 W	0.4 %	96.5 %
50 / 50 %	801 W	0.6 %	97.3 %
50 / 100 %	1450 W	1.1 %	97.6 %
90 / 50 %	931 W	0.7 %	98.3 %
90 / 100 %	1840 W	1.4 %	98.3 %

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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External Classifications and Standards

UNSPSC	39122001
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Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 Single Drives → ACS880-01 - Wall-mounted single drive

