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 PRODUCT-DETAILS

## ACS880-01-180A-5+D150

LV AC industrial wall-mounted single drive,  
IEC: Pn 110 kW, 180 A (ACS880-01-180A-  
5+D150)




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**General Information**

Global Commercial Alias	ACS880-01-180A-5+D150
Product ID	3ABD00037870-D
ABB Type Designation	ACS880-01-180A-5+D150
Catalog Description	LV AC industrial wall-mounted single drive, IEC: Pn 110 kW, 180 A (ACS880-01-180A-5+D150)

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>
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**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	ACS880-01-180A-5+D150 PN: 110KW, IN: 180A
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	55 kg
Product Net Depth / Length	365 mm
Product Net Height	880 mm
Product Net Width	284 mm
Package Level 1 Depth / Length	970 mm
Package Level 1 Height	600 mm
Package Level 1 Width	380 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	3-phase
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R7
Input Voltage (U <sub>in</sub> )	380 ... 500 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Normal Use (I <sub>n</sub> )	180 A
Output Current, Light-Overload Use (I <sub>LD</sub> )	171 A
Output Current, Heavy-Duty Use (I <sub>HD</sub> )	156 A
Output Power, Normal Use (P <sub>n</sub> )	110 kW
Output Power, Light-Overload Use (P <sub>LD</sub> )	110 kW
Output Power, Heavy-Duty Use (P <sub>HD</sub> )	90 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	606 W	0.4 %	93.3 %
0 / 50 %	866 W	0.6 %	94.9 %
0 / 100 %	1509 W	1.0 %	95.5 %
50 / 25 %	651 W	0.4 %	96.4 %
50 / 50 %	965 W	0.6 %	97.2 %
50 / 100 %	1791 W	1.1 %	97.4 %
90 / 50 %	1129 W	0.7 %	98.2 %
90 / 100 %	2281 W	1.5 %	98.1 %

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## 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

