

## PRODUCT-DETAILS

# ACS880-37-0450A-3

## ACS880-37-0450A-3 PN: 250 kW, IN: 450 A



### General Information

Global Commercial Alias	ACS880-37-0450A-3
Product ID	3AUA0000170259
ABB Type Designation	ACS880-37-0450A-3
Catalog Description	ACS880-37-0450A-3 PN: 250 kW, IN: 450 A

### Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-37-0450A-3 PN: 250 kW, IN: 450 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

### Dimensions

Product Net Weight	1180 kg 2601 lb
Product Net Depth / Length	698 mm 27.48 in

Product Net Height	2145 mm 84.45 in
Product Net Width	1230 mm 48.43 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2373 mm 93.43 in
Package Level 1 Width	1444 mm 56.85 in

## Technical

Number of Phases	3
Degree of Protection	IP22
Enclosure Type NEMA	Type1
Altitude	1000 m 5 ... 95
Power Factor	1
Sound dB (A)	75 dB(A)
Multiple Battery Information	Lithium Coin, BR2032, 2pcs, 3V, 200mAh, 3g
Frequency (f)	48 ... 63 Hz
Frame Size	R8i+R8i
Input Voltage ( $U_{in}$ )	380 ... 415 V
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes	Control unit PC connection
Analog Inputs	4
Analog Outputs	4
Number of Digital In/Outputs	14 / 10
Output Current, Heavy- Duty Use ( $I_{HD}$ )	337 A
Output Current, Light- Overload Use ( $I_{LD}$ )	432 A
Output Current, Normal Use ( $I_n$ )	450 A
Output Power, Heavy- Duty Use ( $P_{HD}$ )	160 kW
Output Power, Light- Overload Use ( $P_{LD}$ )	200 kW
Output Power, Normal Use ( $P_n$ )	250 kW
Apparent Power Output	312 kV·A

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	
	0/25 %
	0/50 %
	0/100 %
	50/25 %
	50/50 %
	50/100 %
	90/50 %
	90/100 %
Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for the drive. The low-harmonic drives are exempt from the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.d).

Additional Information

Product Main Type	ACS880-37
Product Name	Frequency converter

Classifications

UNSPSC	39122001
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Environmental

SCIP	D120819E-0189-4843-AC99-32CD7FCA0F64 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 single drives → ACS880-37 - Cabinet-built low harmonic single drive

