



PRODUCT-DETAILS

ACS880-17-0505A-3

ACS880-17-0505A-3; ACS880-17-0505A-3 PN: 250 kW, IN: 505 A

General Information

Global Commercial Alias	ACS880-17-0505A-3
Product ID	3AXD50000042580
ABB Type Designation	ACS880-17-0505A-3
Catalog Description	ACS880-17-0505A-3; ACS880-17-0505A-3 PN: 250 kW, IN: 505 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS880-17-0505A-3 PN: 250 kW, IN: 505 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	750 kg 1653 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)	77 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 2pcs, 3V, 220mAh, 6g
Frequency (f)	48 ... 63 Hz
Frame Size	R11
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	2
Analog Outputs	2
Number of Digital In/Outputs	7 / 5
Output Current, Heavy-Duty Use (I _{HD})	363 A
Output Current, Light-Overload Use (I _{LD})	480 A
Output Current, Normal Use (I _n)	505 A
Output Power, Heavy-Duty Use (P _{HD})	200 kW
Output Power, Light-Overload Use (P _{LD})	250 kW
Output Power, Normal Use (P _n)	250 kW
Apparent Power Output	350 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 regenerative drives are

exempt from the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.c).

Additional Information

Product Main Type ACS880-17
Product Name Frequency converter

Classifications

UNSPSC 39122001

Environmental

SCIP 82D82DAE-9725-4373-865D-AA949B97DE50 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 → ACS880-17 - Cabinet-built regenerative single drive
Drives → Services → Spares and Consumables → Parts