

PRODUCT-DETAILS

# ACS880-07-0650A-7

ACS880-07-0650A-7 PN: 630 kW, IN: 650 A



## General Information

Global Commercial Alias	ACS880-07-0650A-7
Product ID	3AUA0000154959
ABB Type Designation	ACS880-07-0650A-7
Catalog Description	ACS880-07-0650A-7 PN: 630 kW, IN: 650 A

## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-0650A-7 PN: 630 kW, IN: 650 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	580 kg 1279 lb
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Product Net Depth / Length	698 mm 27.48 in
Product Net Height	2145 mm 84.45 in
Product Net Width	830 mm 32.68 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2385 mm 93.90 in
Package Level 1 Width	1144 mm 45.04 in

## Technical

Number of Phases	3
Degree of Protection	IP22
Enclosure Type NEMA	Type1
Altitude	1000 m
	5 ... 95
Power Factor	0.98
Sound dB (A)	71 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 2pcs, 3V, 220mAh, 6g
Frequency (f)	48 ... 63 Hz
Frame Size	R11
Input Voltage ( $U_{in}$ )	525 ... 690 V
Mounting Type	Cabinet-built
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 ( $I_{HD}$ )	571 A
Output Current, Light-Overload Use ( $I_{LD}$ )	630 A
Output Current, Normal Use ( $I_n$ )	650 A
Output Power, Heavy-	560 kW

Duty Use ( $P_{HD}$ )	
Output Power, Light-	630 kW
Overload Use ( $P_{LD}$ )	
Output Power, Normal	630 kW
Use ( $P_n$ )	
Apparent Power Output	777 kV-A
Standby Loss	587 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	3089 W	93.1 %	0.4 %
0/50 %	4110 W	95.2 %	0.5 %
0/100 %	6078 W	96.4 %	0.8 %
50/25 %	3327 W	96.3 %	0.4 %
50/50 %	4528 W	97.4 %	0.6 %
50/100 %	7060 W	98.0 %	0.9 %
90/50 %	5105 W	98.4 %	0.7 %
90/100 %	8655 W	98.6 %	1.1 %

Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for this cabinet-built drive. Cabinet-built drives, with already conform modules, are excluded from the scope of the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.e).

Additional Information	
Product Main Type	ACS880-07
Product Name	Frequency converter

Classifications	
UNSPSC	39122001

Environmental	
SCIP	e1aec134-b168-4e21-9c40-ee5e90c4bab4 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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## Categories

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Drives → Low Voltage AC Drives → Industrial Drives → ACS880 single drives → ACS880-07 - Cabinet-built single drive

