

PRODUCT-DETAILS

# ACS880-07-1650A-7+A004

ACS880-07-1650A-7+A004 PN:1600kW,  
IN:1650A



## General Information

Global Commercial Alias	ACS880-07-1650A-7+A004
Product ID	3AUA0000142723
ABB Type Designation	ACS880-07-1650A-7+A004
Catalog Description	ACS880-07-1650A-7+A004 PN:1600kW, IN:1650A

## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-1650A-7+A004 PN:1600kW, IN:1650A
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	2020 kg 4453 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	2430 mm 95.67 in
Package Level 1 Depth / Length	1100 mm 43.31 in
Package Level 1 Height	2376 mm 93.54 in
Package Level 1 Width	2944 mm 115.91 in
Package Level 1 Units	1 piece

## Technical

Number of Phases	3
Degree of Protection	IP22
Enclosure Type NEMA	Type1
	... 95
Power Factor	0.98
Frequency (f)	48 ... 63 Hz
Frame Size	800
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	4
Analog Outputs	4
Number of Digital In/Outputs	14 / 10
Output Current, Heavy-Duty Use ( $I_{HD}$ )	1234 A
Output Current, Light-Overload Use ( $I_{LD}$ )	1584 A
Output Current, Normal Use ( $I_N$ )	1650 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	1200 kW
Output Power, Light-	1500 kW

Overload Use ( $P_{LD}$ )	
Output Power, Normal	1600 kW
Use ( $P_n$ )	
Apparent Power Output	1972 kV-A
Standby Loss	269 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	9787 W	91.5 %	0.5 %
0/50 %	13672 W	93.8 %	0.7 %
0/100 %	24744 W	94.3 %	1.3 %
50/25 %	10350 W	95.5 %	0.5 %
50/50 %	14873 W	96.7 %	0.8 %
50/100 %	28267 W	96.8 %	1.4 %
90/50 %	16526 W	97.9 %	0.8 %
90/100 %	33165 W	97.9 %	1.7 %

Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for the drive. The drives rated above 1 000 kW output power are not in the scope of the EU ecodesign requirements (Regulation EU/2019/1781).

Additional Information

Product Main Type	ACS880-07-1650A-7+A004
Product Name	Frequency Converter

Classifications

UNSPSC	39122001
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Environmental

SCIP	F97239A0-8F1B-4B36-A0F6-34D1783CB8EB 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 → ACS880-07 - Cabinet-built single drive

