

PRODUCT-DETAILS

ACS880-07-0145A-3

ACS880-07-0145A-3 PN: 75 kW, IN: 145 A



General Information

Global Commercial Alias	ACS880-07-0145A-3
Product ID	3AUA0000120565
ABB Type Designation	ACS880-07-0145A-3
Catalog Description	ACS880-07-0145A-3 PN: 75 kW, IN: 145 A

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS880-07-0145A-3 PN: 75 kW, IN: 145 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	240 kg 529 lb
Product Net Depth / Length	673 mm 26.50 in

Product Net Height	2145 mm 84.45 in
Product Net Width	430 mm 16.93 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)	67 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 2pcs, 3V, 220mAh, 6g
Frequency (f)	48 ... 63 Hz
Frame Size	R6
Input Voltage (U_{in})	380 ... 415 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})	105 A
Output Current, Light-Overload Use (I_{LD})	138 A
Output Current, Normal Use (I_n)	145 A
Output Power, Heavy-Duty Use (P_{HD})	55 kW
Output Power, Light-Overload Use (P_{LD})	75 kW
Output Power, Normal Use (P_n)	75 kW

Apparent Power Output	100 kV·A
Standby Loss	102 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	592 W	90.2 %	0.6 %
0/50 %	781 W	93.1 %	0.8 %
0/100 %	1320 W	94.0 %	1.3 %
50/25 %	646 W	94.6 %	0.6 %
50/50 %	881 W	96.1 %	0.9 %
50/100 %	1560 W	96.5 %	1.6 %
90/50 %	1039 W	97.4 %	1.0 %
90/100 %	2061 W	97.4 %	2.1 %

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
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Environmental

SCIP	e1aec134-b168-4e21-9c40-ee5e90c4bab4 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

