

PRODUCT-DETAILS

ACS580-01-430A-4

ACS580-01-430A-4 PN: 250 kW, IN: 430 A



General Information

Global Commercial Alias	ACS580-01-430A-4
Product ID	3AUA0000080510
ABB Type Designation	ACS580-01-430A-4
EAN	6438177305668
Catalog Description	ACS580-01-430A-4 PN: 250 kW, IN: 430 A

The ACS580-01 is plug-in ready to control your compressors, conveyors, pumps, extruders, centrifuges, mixers, fans and many other variable and constant torque applications, in a variety of light industries, including food and beverage, plastic, textile, material handling, and agriculture.

Long Description

All essential features are built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Versatile and straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance, while rugged and robust design makes it a good fit for various environments. With the ACS580 drives you can easily take full control of your processes to comprehensively manage your plant. The wall-mounted ACS580-01 comes in IP21 enclosure as standard. Also, IP55 and flange mounting units are available.

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044084
Invoice Description	ACS580-01-430A-4 PN: 250 kW, IN: 430 A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece

Quote Only	No
Selling Unit of Measure	piece

Container Information

Gross Volume	151.692 dm ³
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Dimensions

Product Net Weight	97 kg
Product Net Depth / Length	418 mm
Product Net Height	955 mm
Product Net Width	380 mm
Package Level 1 Depth / Length	1145 mm
Package Level 1 Height	630 mm
Package Level 1 Width	485 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	acc. to IEC 60529 IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
	95
Sound dB (A)	68 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47 ... 63 Hz
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3
Output Current, Heavy-	363 A
Duty Use (I _{HD})	
Output Current, Light-	400 A

Overload Use (I_{LD})

Output Current, Normal	430 A
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Use (I_n)

Output Power, Heavy-	200 kW
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Duty Use (P_{HD})

Output Power, Light-	200 kW
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Overload Use (P_{LD})

Output Power, Normal	250 kW
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Use (P_n)

Apparent Power Output	298 kV-A
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Efficiency Level	IE2
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Standby Loss	80 W
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Complete Drive Module

Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	1471 W	91.5 %	0.5 %
0/50 %	2121 W	93.6 %	0.7 %
0/100 %	4032 W	93.9 %	1.4 %
50/25 %	1615 W	95.4 %	0.5 %
50/50 %	2393 W	96.5 %	0.8 %
50/100 %	4676 W	96.5 %	1.6 %
90/50 %	2821 W	97.6 %	0.9 %
90/100 %	6072 W	97.5 %	2.0 %

Temperature Rating

Maximum 40 °C

Minimum -15 °C

Additional Information

Product Main Type	ACS580-01
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Product Name	Frequency converter
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Classifications

ETIM 7	EC001857 - Frequency converter =< 1 kV
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UNSPSC	39122001
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Environmental

SCIP	67c5daab-da3d-4123-804b-53a83b6d9528 Finland (FI)
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WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Categories

Drives → Low Voltage AC Drives → General Purpose Drives → ACS580-01 - Wall-mounted drive

