

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

Dimensions

Product Net Weight	97 kg
Product Net Height	955 mm
Product Net Length	418 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	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
Sound dB (A)	68 dB(A)
Frequency (f)	50/60 Hz
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 2 Other 2
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-Duty Use	363 A
Output Current, Light-Overload Use	400 A
Output Current, Normal Use	430 A
Output Power, Heavy-Duty Use	200 kW
Output Power, Light-Overload Use	200 kW
Output Power, Normal Use	250 kW
Apparent Power Output	298 kV-A

Efficiency Level	IE2
Standby Loss	80 W
Complete Drive Module	
Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	1466 W	0.5 %	91.6 %
0 / 50 %	2117 W	0.7 %	93.7 %
0 / 100 %	4027 W	1.4 %	93.9 %
50 / 25 %	1610 W	0.5 %	95.4 %
50 / 50 %	2388 W	0.8 %	96.5 %
50 / 100 %	4671 W	1.6 %	96.5 %
90 / 50 %	2816 W	0.9 %	97.7 %
90 / 100 %	6067 W	2.0 %	97.5 %

Temperature Rating	Maximum 40 °C
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Additional Information	
Product Main Type	ACS580-01
Product Name	Frequency converter

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

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

Categories

Drives → Low voltage AC drives → General purpose drives → ACS580-01 - Wall-mounted drive



