

PRODUCT-DETAILS

ACS580-01-246A-4

ACS580-01-246A-4 PN: 132 kW, IN: 246 A



General Information

Global Commercial Alias	ACS580-01-246A-4
Product ID	3AUA0000080507
ABB Type Designation	ACS580-01-246A-4
EAN	6438177305637
Catalog Description	ACS580-01-246A-4 PN: 132 kW, IN: 246 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	ACS580-01-246A-4 PN: 132 kW, IN: 246 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	113.774 dm ³
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Dimensions

Product Net Weight	69 kg
Product Net Depth / Length	393 mm
Product Net Height	965 mm
Product Net Width	300 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)	65 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	206 A
Output Current, Light-Overload Use	234 A
Output Current, Normal Use	246 A
Output Power, Heavy-	110 kW

Duty Use

Output Power, Light-Overload Use	132 kW
Output Power, Normal Use	132 kW
Apparent Power Output	170 kV-A
Efficiency Level	IE2
Standby Loss	47 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	814 W	0.5 %	91.9 %
0 / 50 %	1125 W	0.7 %	94.1 %
0 / 100 %	2027 W	1.2 %	94.6 %
50 / 25 %	892 W	0.5 %	95.6 %
50 / 50 %	1279 W	0.8 %	96.7 %
50 / 100 %	2379 W	1.4 %	96.9 %
90 / 50 %	1513 W	0.9 %	97.8 %
90 / 100 %	3126 W	1.8 %	97.7 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter
Short Description	ACS580-01-246A-4 PN: 132 kW, IN: 246 A

Classifications

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

Environmental

SCIP	392bf175-c6df-4719-8b82-cdb09cfcad61 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

