

PRODUCT-DETAILS

ACS580-01-246A-4+B056

ACS580-01-246A-4+B056 PN: 132 kW, IN: 246 A



General Information

Global Commercial Alias	ACS580-01-246A-4+B056
Product ID	3AUA0000083582
ABB Type Designation	ACS580-01-246A-4+B056
EAN	6438177306139
Catalog Description	ACS580-01-246A-4+B056 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	85044085
Invoice Description	ACS580-01-246A-4+B056 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

Dimensions

Product Net Weight	69 kg 152.119 lb
Product Net Depth / Length	393 mm 15.472 in
Product Net Height	965 mm 37.992 in
Product Net Width	300 mm 11.811 in
Package Level 1 Depth / Length	1145.00 mm 45.079 in
Package Level 1 Height	630.00 mm 24.803 in
Package Level 1 Width	485.00 mm 19.094 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type1
Altitude	1000 m 95
Sound dB (A)	65 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R8
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-	206 A

Duty Use (I_{HD})	
Output Current, Light-	234 A
Overload Use (I_{LD})	
Output Current, Normal	246 A
Use (I_n)	
Output Power, Heavy-	110 kW
Duty Use (P_{HD})	
Output Power, Light-	132 kW
Overload Use (P_{LD})	
Output Power, Normal	132 kW
Use (P_n)	
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	Efficiency	Relative Loss
0/25 %	819 W	91.9 %	0.5 %
0/50 %	1130 W	94.0 %	0.7 %
0/100 %	2032 W	94.5 %	1.2 %
50/25 %	897 W	95.6 %	0.5 %
50/50 %	1284 W	96.7 %	0.8 %
50/100 %	2383 W	96.9 %	1.4 %
90/50 %	1518 W	97.8 %	0.9 %
90/100 %	3131 W	97.7 %	1.8 %

Temperature Rating	Maximum 40 °C Minimum -15 °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	1b7d3fcb-8dfc-4964-9a9a-bec89b35caf1 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

