

PRODUCT-DETAILS

ACS580-01-145A-4

ACS580-01-145A-4 PN: 75 kW, IN: 145 A



General Information

Global Commercial Alias	ACS580-01-145A-4
Product ID	3AUA0000080504
ABB Type Designation	ACS580-01-145A-4
EAN	6438177305606
Catalog Description	ACS580-01-145A-4 PN: 75 kW, IN: 145 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	85044086
Invoice Description	ACS580-01-145A-4 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
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Container Information

Gross Volume	67.602 dm ³
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Dimensions

Product Net Weight	42.4 kg 93.476 lb
Product Net Depth / Length	369 mm 14.528 in
Product Net Height	727 mm 28.622 in
Product Net Width	252 mm 9.921 in
Package Level 1 Depth / Length	880.00 mm 34.646 in
Package Level 1 Height	580.00 mm 22.835 in
Package Level 1 Width	335.00 mm 13.189 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 95
Sound dB (A)	67 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R6
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-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
Efficiency Level	IE2
Standby Loss	36 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	505 W	91.5 %	0.5 %
0/50 %	692 W	93.8 %	0.7 %
0/100 %	1238 W	94.4 %	1.2 %
50/25 %	557 W	95.3 %	0.6 %
50/50 %	791 W	96.5 %	0.8 %
50/100 %	1470 W	96.7 %	1.5 %
90/50 %	946 W	97.7 %	0.9 %
90/100 %	1960 W	97.5 %	2.0 %

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	42f6f782-9c42-4d18-a113-336de5803e6f 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

