

PRODUCT-DETAILS

ACS580-01-171A-2

ACS580-01-171A-2 PN: 45 kW, IN: 171 A



General Information

Global Commercial Alias	ACS580-01-171A-2
Product ID	3AXD50000417469
ABB Type Designation	ACS580-01-171A-2
EAN	6438177591283
Catalog Description	ACS580-01-171A-2 PN: 45 kW, IN: 171 A

Long Description

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. 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	ACS580-01-171A-2 PN: 45 kW, IN: 171 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No

Selling Unit of Measure

piece

Container Information

Gross Volume

92.47 dm³

Dimensions

Product Net Weight	54 kg
Product Net Height	880 mm
Product Net Length	370 mm
Product Net Width	284 mm

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Input Voltage (U _{in})	200 ... 240 V
Mounting Type	Wall-mounted
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	43530
Output Current, Heavy-Duty Use	143 A
Output Current, Light-Overload Use	169 A
Output Current, Normal Use	171 A
Output Power, Heavy-Duty Use	37 kW
Output Power, Light-Overload Use	45 kW
Output Power, Normal Use	45 kW
Apparent Power Output	68 kV-A
Efficiency Level	IE2
Standby Loss	22 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	503 W	0.7 %	88.0 %
0 / 50 %	694 W	1.0 %	91.1 %
0 / 100 %	1264 W	1.9 %	91.8 %
50 / 25 %	552 W	0.8 %	93.3 %
50 / 50 %	792 W	1.2 %	94.9 %
50 / 100 %	1491 W	2.2 %	95.2 %
90 / 50 %	951 W	1.4 %	96.6 %
90 / 100 %	2000 W	2.9 %	96.3 %

Temperature RatingMaximum 40 °C

Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

Classifications

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

Environmental

SCIP	cdfd6c1b-d797-41db-b2a0-2e3d5e5a1071 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



