

## PRODUCT-DETAILS

# ACS580-01-018A-2

ACS580-01-018A-2 PN: 4.0 kW, IN: 16.9 A



## General Information

Global Commercial Alias	ACS580-01-018A-2
Product ID	3AXD50000417384
ABB Type Designation	ACS580-01-018A-2
EAN	6438177591108
Catalog Description	ACS580-01-018A-2 PN: 4.0 kW, IN: 16.9 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	ACS580-01-018A-2 PN: 4.0 kW, IN: 16.9 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

10.397 dm<sup>3</sup>

## Dimensions

Product Net Weight	4.6 kg
Product Net Height	373 mm
Product Net Length	223 mm
Product Net Width	125 mm

## Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Input Voltage (U <sub>in</sub> )	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	10.6 A
Output Current, Light-Overload Use	16.7 A
Output Current, Normal Use	16.9 A
Output Power, Heavy-Duty Use	3.0 kW
Output Power, Light-Overload Use	4.0 kW
Output Power, Normal Use	4.0 kW
Apparent Power Output	7.2 kV-A
Efficiency Level	IE2
Standby Loss	13 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	83 W	1.2 %	82.1 %
0 / 50 %	104 W	1.4 %	87.6 %
0 / 100 %	159 W	2.2 %	89.5 %
50 / 25 %	89 W	1.2 %	89.9 %
50 / 50 %	115 W	1.6 %	93.0 %
50 / 100 %	183 W	2.6 %	93.9 %
90 / 50 %	130 W	1.8 %	95.5 %
90 / 100 %	228 W	3.2 %	95.7 %

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	8105d671-49fa-4c1c-836d-baf56982886a Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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



