

PRODUCT-DETAILS

# ACS580-01-073A-4+B056

ACS580-01-073A-4+B056 Pn 37 kW I2n 73 A,  
Protection class IP55, EMC class C2



## General Information

Global Commercial Alias	ACS580-01-073A-4+B056
Product ID	3AUA0000083574
ABB Type Designation	ACS580-01-073A-4+B056
EAN	6438177306054

Catalog Description ACS580-01-073A-4+B056 Pn 37 kW I2n 73 A, Protection class IP55, EMC class C2

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	85044088
Invoice Description	ACS580-01-073A-4+B056 Pn 37 kW I2n 73 A, Protection class IP55, EMC class C2
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	20 kg
Product Net Depth / Length	265 mm
Product Net Height	685.5 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	760 mm
Package Level 1 Height	428 mm
Package Level 1 Width	298 mm
Package Level 1 Units	1 carton

## Technical

Number of Phases	3
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Frequency (f)	50/60 Hz
Frame Size	R4
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 ( $I_{HD}$ )	61 A
Output Current, Light-Overload Use ( $I_{LD}$ )	68 A
Output Current, Normal Use ( $I_n$ )	73 A
Output Power, Heavy-	30.0 kW

Duty Use ( $P_{HD}$ )	
Output Power, Light-	37 kW
Overload Use ( $P_{LD}$ )	
Output Power, Normal	37 kW
Use ( $P_n$ )	
Apparent Power Output	51 kV·A
Efficiency Level	IE2
Standby Loss	19 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	295 W	0.6 %	90.1 %
0 / 50 %	392 W	0.8 %	93.0 %
0 / 100 %	726 W	1.4 %	93.4 %
50 / 25 %	324 W	0.6 %	94.5 %
50 / 50 %	454 W	0.9 %	96.0 %
50 / 100 %	866 W	1.7 %	96.1 %
90 / 50 %	527 W	1.0 %	97.4 %
90 / 100 %	1120 W	2.2 %	97.2 %

Temperature Rating	Maximum 40 °C
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## Additional Information

Product Main Type	ACS580
Product Name	Frequency converter

## Classifications

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

## Environmental

SCIP	cdc24b2a-20d2-4e65-816b-a638fc9e9fb1 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

