



PRODUCT-DETAILS

# ACS580-01-145A-4

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

### Información General

Global Commercial Alias	ACS580-01-145A-4
Código de producto	3AUA0000080504
ABB Type Designation	ACS580-01-145A-4
EAN	6438177305606

Descripción corta 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.

Descripción larga

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.

### Clasificación

Country of Origin	Finland (FI)
Código arancelario	85044084
Invoice Description	ACS580-01-145A-4 PN: 75 kW, IN: 145 A
Made To Order	Yes
Cantidad mínima de pedido	1 piece
Order Multiple	1 piece

Quote Only	No
Selling Unit of Measure	piece

## Información de Embalaje

Gross Volume	67.602 dm <sup>3</sup>
--------------	------------------------

## Dimensiones

Peso del product	42.4 kg
Largo del product	369 mm
Alto del product	727 mm
Ancho del product	252 mm
Embalaje Nivel 1 Largo	880 mm
Embalaje Nivel 1 Alto	580 mm
Embalaje Nivel 1 Ancho	335 mm
Embalaje Nivel 1 Unidades	1 carton

## Technical

Number of Phases	3
Grado de protección	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
Sound dB (A)	67 dB(A)
Frequency (f)	50/60 Hz
Input Voltage (U <sub>in</sub> )	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	105 A
Output Current, Light-Overload Use	138 A
Output Current, Normal Use	145 A
Output Power, Heavy-Duty Use	55 kW

Output Power, Light-Overload Use	75 kW
Output Power, Normal Use	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	Relative Loss	Efficiency
0 / 25 %	505 W	0.5 %	91.5 %
0 / 50 %	692 W	0.7 %	93.8 %
0 / 100 %	1238 W	1.2 %	94.4 %
50 / 25 %	557 W	0.6 %	95.3 %
50 / 50 %	791 W	0.8 %	96.5 %
50 / 100 %	1470 W	1.5 %	96.7 %
90 / 50 %	946 W	0.9 %	97.7 %
90 / 100 %	1960 W	2.0 %	97.5 %

Temperature Rating Maximum 40 °C

## Información Adicional

Product Main Type	ACS580-01
Product Name	Frequency converter

## Clasificaciones

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

## Ambiente

SCIP	42f6f782-9c42-4d18-a113-336de5803e6f Finland (FI)
Categoría RAEE	4. Large Equipment (Any External Dimension More Than 50 cm)

## Categorías

Convertidores de frecuencia → Convertidores de frecuencia de baja tensión de CA → Convertidores de frecuencia de propósito general ABB → ACS580-01 - Wall-mounted drive

