




---

 PRODUCT-DETAILS

## ACS580-01-145A-4

LV AC general purpose wall-mounted drive,  
IEC: Pn 75 kW, 145 A (ACS580-01-145A-4)




---

**General Information**

Global Commercial Alias	ACS580-01-145A-4
Product ID	3ABD00045437-D
ABB Type Designation	ACS580-01-145A-4
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 75 kW, 145 A (ACS580-01-145A-4)
Long Description	<p>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. A versatile and straightforward settings menu and assistants enable fast setup, commissioning, use, and maintenance, while a rugged and robust design make 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 an IP21 enclosure as standard. In addition, IP55 and flange mounting units are available.</p>

---

**Ordering**

Customs Tariff Number	85044099
HS Code	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS

THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters

Invoice Description	ACS580-01-145A-4 PN: 75kW, IN: 145A
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	45 kg
Product Net Depth / Length	369 mm
Product Net Height	727 mm
Product Net Width	252 mm
Package Level 1 Depth / Length	580 mm
Package Level 1 Height	850 mm
Package Level 1 Width	310 mm
Package Level 1 Units	0 carton

### Technical

Number of Phases	3-phase
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	47.5 ... 63 Hz
Frame Size	R6
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Wall-mounted_NO UNIT\$
Output Current, Normal Use (I <sub>n</sub> )	145 A
Output Current, Light-Overload Use (I <sub>LD</sub> )	138 A
Output Current, Heavy-Duty Use (I <sub>HD</sub> )	105 A
Output Power, Normal Use (P <sub>n</sub> )	75 kW
Output Power, Light-Overload Use (P <sub>LD</sub> )	75 kW
Output Power, Heavy-Duty Use (P <sub>HD</sub> )	55 kW
Efficiency Level	IE2
Complete Drive Module Efficiency (IEC61800-9-2)	

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 %

---

### External Classifications and Standards

UNSPSC

39122001

---

### Environmental

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

