



PRODUCT-DETAILS

ACS580-07-0089A-4

LV AC general purpose cabinet-built drive,
IEC: Pn 45 kW, 89 A, 400 V, UL: Pld 60 Hp, 77 A,
480 V (ACS580-07-0089A-4)



General Information	
Global Commercial Alias:	ACS580-07-0089A-4
Product ID:	3AXD50001158873
ABB Type Designation:	ACS580-07-0089A-4
Catalog Description:	LV AC general purpose cabinet-built drive, IEC: Pn 45 kW, 89 A, 400 V, UL: Pld 60 Hp, 77 A, 480 V (ACS580-07-0089A-4)
Long Description:	The ACS580-07 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 ready-made standalone cabinet-built ACS580-07 variant comes in IP21 as standard. Also, IP42 and IP54 units are available.
Display Name:	ACS580-07-0089A-4

Ordering

Customs Tariff Number:	85044087
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:	ACS580-07-0089A-4 PN: 45 kW, IN: 89 A
Made To Order:	Yes
Minimum Order Quantity:	1 piece
Order Multiple:	1 piece
Quote Only:	No
Selling Unit of Measure:	piece

Dimensions

Product Net Weight:	200 kg 441 lb
Product Net Depth / Length:	673 mm 26.50 in
Product Net Height:	2145 mm 84.45 in
Product Net Width:	430 mm 16.93 in
Package Level 1 Depth / Length:	2520 mm 99.21 in
Package Level 1 Height:	900 mm 35.43 in
Package Level 1 Width:	820 mm 32.28 in

Technical

Number of Phases:	3-phase
Degree of Protection:	IP21
Enclosure Type NEMA:	Type1
Sound dB (A):	63 dB(A)
Multiple Battery Information:	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R4
Input Voltage (U _{in}):	380 ... 480 V
Mounting Type:	Cabinet-built

Communication Protocol:	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces:	Industrial Ethernet 0 Other 2 Parallel 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes:	Control unit PC connection
Analog Inputs:	2
Analog Outputs:	2
Number of Digital In/Outputs:	6 / 3
Output Current, Normal Use (I_n):	89 A
Output Current, Light-Overload Use (I_{LD}):	83 A
Output Current, Heavy-Duty Use (I_{HD}):	72 A
Output Power, Normal Use (P_n):	45 kW
Output Power, Light-Overload Use (P_{LD}):	45 kW
Output Power, Heavy-Duty Use (P_{HD}):	37 kW
Power Consumption (@ P_{cons}):	1059 W
Apparent Power Output:	62 kV·A
Temperature Rating:	Maximum 40 °C Minimum 0 °C

Technical UL

Output Current, Heavy-Duty Use (UL):	65 A
Output Current, Light-Overload Use (UL):	77 A
Output Power, Heavy-Duty Use (UL):	50 Hp
Output Power, Light-Overload Use (UL):	60 Hp

Environmental

WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)
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External Classifications and Standards

ETIM 9: EC001857 - Frequency converter =< 1 kV

Categories

Products > Drives > Low Voltage AC Drives > General Purpose Drives > ACS580-07 - Cabinet-built drive

