

## PRODUCT-DETAILS

# ACS580-07-0169A-4

## ACS580-07-0169A-4 PN: 90 kW, IN: 169 A



### General Information

Global Commercial Alias	ACS580-07-0169A-4
Product ID	3AXD50000041422
ABB Type Designation	ACS580-07-0169A-4
Catalog Description	ACS580-07-0169A-4 PN: 90 kW, IN: 169 A

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.

### 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 ready-made standalone cabinet-built ACS580-07 variant comes in IP21 as standard. Also, IP42 and IP54 units are available.

### Ordering

Country of Origin	Estonia (EE) Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS580-07-0169A-4 PN: 90 kW, IN: 169 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	620.742 dm³
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Dimensions

Product Net Weight	220 kg 485.017 lb
Product Net Depth / Length	673 mm 26.496 in
Product Net Height	2145 mm 84.449 in
Product Net Width	430 mm 16.929 in
Package Level 1 Depth / Length	2520 mm 99.213 in
Package Level 1 Height	900 mm 35.433 in
Package Level 1 Width	820 mm 32.283 in

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
	5 to 95%
Sound dB (A)	67 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R7
Input Voltage (U <sub>in</sub> )	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, Heavy-Duty Use (I <sub>HD</sub> )	145 A

Output Current, Light-Overload Use ( $I_{LD}$ )	161 A
Output Current, Normal Use ( $I_n$ )	169 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	75 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	90 kW
Output Power, Normal Use ( $P_n$ )	90 kW
Apparent Power Output	117 kV·A
Temperature Rating	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption	Energy efficiency data is not provided for this cabinet-based drive. Cabinet built drives, with already conform modules, are excluded from the scope of the EU <u>ecodesign requirements (Regulation EU/2019/1781, §2.3.e).</u>

Additional Information

Product Main Type	ACS580-07
Product Name	Frequency converter

Classifications

ETIM 8	EC001857 - Frequency converter =< 1 kV
ETIM 9	EC001857 - Frequency converter =< 1 kV
UNSPSC	39122001

Environmental

SCIP	f8697513-3243-4f24-9777-7dbe1d791662 Finland (FI)
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

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

