

PRODUCT-DETAILS

ACS580-01-144A-2

LV AC general purpose wall-mounted drive,
IEC: Pn 37 kW, 144 A, 230 V (ACS580-01-144A-2)



General Information	
Global Commercial Alias	ACS580-01-144A-2
Product ID	3AXD50000417452
ABB Type Designation	ACS580-01-144A-2
EAN	6438177591276
Catalog Description	LV AC general purpose wall-mounted drive, IEC: Pn 37 kW, 144 A, 230 V (ACS580-01-144A-2)
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.</p> <p>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.</p>

Ordering	
Country of Origin	United States (US) Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS580-01-144A-2 PN: 37 kW, IN: 144 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	67.602 dm³
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Dimensions

Product Net Weight	42.4 kg 93.476 lb
Product Net Depth / Length	369.00 mm 14.53 in
Product Net Height	727.00 mm 28.62 in
Product Net Width	252.00 mm 9.92 in
Package Level 1 Depth / Length	880.00 mm
Package Level 1 Height	580.00 mm
Package Level 1 Width	335.00 mm

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m 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	R6
Input Voltage (U _{in})	200 ... 240 V
Mounting Type	Wall-mounted
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_{HD})	114 A
Output Current, Light-Overload Use (I_{LD})	143 A
Output Current, Normal Use (I_n)	144 A
Output Power, Heavy-Duty Use (P_{HD})	30.0 kW
Output Power, Light-Overload Use (P_{LD})	37 kW
Output Power, Normal Use (P_n)	37 kW
Apparent Power Output	57 kV·A
Efficiency Level	IE2
Standby Loss	22 W
Complete Drive Module Efficiency (61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	479 W	86.7 %	0.8 %
0/50 %	663 W	90.0 %	1.2 %
0/100 %	1213 W	90.7 %	2.1 %
50/25 %	522 W	92.6 %	0.9 %
50/50 %	747 W	94.4 %	1.3 %
50/100 %	1433 W	94.5 %	2.5 %
90/50 %	900 W	96.1 %	1.6 %
90/100 %	1932 W	95.8 %	3.4 %

Temperature Rating	Maximum 40 °C Minimum -15 °C
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Additional Information

Product Main Type	ACS580-01
Product Name	Frequency converter

Classifications

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

Environmental

SCIP	c9f22bb1-0f1d-4f56-a642-05f2b82ea395 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

