



PRODUCT-DETAILS

# ACS480-04-018A-4

## LV AC general purpose drive, PN: 7.5 kW, IN: 17 A, UIN: 380 ... 480 V (ACS480-04-018A-4)



General Information	
Global Commercial Alias	ACS480-04-018A-4
Product ID	3AXD50000047792
ABB Type Designation	ACS480-04-018A-4
EAN	6438177459002
Catalog Description	LV AC general purpose drive, PN: 7.5 kW, IN: 17 A, UIN: 380 ... 480 V (ACS480-04-018A-4)
Long Description	<p>The ACS480 is a ready-made and capable package for many applications, such as compressors, fan and conveyors, in a variety of light industries, including food and beverage, logistics and warehousing, water and wastewater, and agriculture. It has all essential features built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance. It's a great fit for variable torque and basic speed applications, where you can leverage a compact, cabinet-optimized design for a cost-effective and efficient solution.</p>

Ordering	
Country of Origin	China (CN) Finland (FI)
Customs Tariff Number	85044086
Invoice Description	ACS480-04-018A-4 PN: 7.5 kW, IN: 17.0 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	7.871 dm³
--------------	-----------

Dimensions

Product Net Weight	2.5 kg 5.512 lb
Product Net Depth / Length	208 mm 8.189 in
Product Net Height	220 mm 8.661 in
Product Net Width	172 mm 6.772 in
Package Level 1 Depth / Length	284 mm 11.181 in
Package Level 1 Height	273 mm 10.748 in
Package Level 1 Width	250 mm 9.843 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	65.80 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47.5 ... 63 Hz
Frame Size	R3
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module for cabinet building
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 0 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 ( $I_{HD}$ )	12.6 A
Output Current, Light-Overload Use ( $I_{LD}$ )	16.2 A
Output Current, Normal Use ( $I_n$ )	17 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	5.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	7.5 kW
Output Power, Normal Use ( $P_n$ )	7.5 kW
Apparent Power Output	12 kV·A
Efficiency Level	IE2
Standby Loss	25 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	91 W	87.3 %	0.8 %
0/50 %	114 W	91.3 %	1.0 %
0/100 %	193 W	92.6 %	1.6 %
50/25 %	96 W	93.1 %	0.8 %
50/50 %	125 W	95.3 %	1.1 %
50/100 %	220 W	95.8 %	1.9 %
90/50 %	141 W	97.0 %	1.2 %
90/100 %	259 W	97.2 %	2.2 %

Temperature RatingMaximum 50 °C

Additional Information

Product Main Type	ACS480-04
Product Name	Frequency converter

Classifications

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

Environmental

SCIP	d47e4459-83a3-4590-a72e-d9674f7109ad Finland (FI)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

---

## Categories

---

Drives → Low Voltage AC Drives → General Purpose Drives → ACS480-04 - Drive module

