

## PRODUCT-DETAILS

# ACH480-04-12A2-2

LV AC drive module for HVAC, IEC: Pn 3 kW,  
12.2 A, 200 V (ACH480-04-12A2-2)



## General Information

Global Commercial Alias	ACH480-04-12A2-2
Product ID	3AXD50000647002
ABB Type Designation	ACH480-04-12A2-2
EAN	6438177640349
Catalog Description	LV AC drive module for HVAC, IEC: Pn 3 kW, 12.2 A, 200 V (ACH480-04-12A2-2)

## Ordering

Country of Origin	China (CN)
Customs Tariff Number	85044086
Invoice Description	ACH480-04-12A2-2 PN: 3.0 kW, IN: 12.2 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	4.499 dm³
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## Dimensions

Product Net Weight	2.2 kg 4.850 lb
Product Net Depth / Length	208 mm 8.189 in
Product Net Height	223 mm 8.780 in
Product Net Width	97 mm 3.819 in
Package Level 1 Depth / Length	282 mm 11.102 in
Package Level 1 Height	273 mm 10.748 in
Package Level 1 Width	174 mm 6.850 in

## Technical

Number of Phases	3
Degree of Protection	IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	58.80 dB(A)
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Frequency (f)	47 ... 63 Hz
Frame Size	R2
Communication Protocol	BACNET CAN DeviceNet EtherNet/IP LON 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 ( $I_{HD}$ )	9.8 A
Output Current, Light- Overload Use ( $I_{LD}$ )	11.6 A
Output Current, Normal Use ( $I_N$ )	12.2 A
Output Power, Heavy- Duty Use ( $P_{HD}$ )	2.2 kW
Output Power, Light- Overload Use ( $P_{LD}$ )	3.0 kW
Output Power, Normal	3 kW

Use (P<sub>n</sub>)

Apparent Power Output	8.5 kV·A
Efficiency Level	IE2

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current
0/25 %
0/50 %
0/100 %
50/25 %
50/50 %
50/100 %
90/50 %
90/100 %

Temperature Rating	Maximum 50 °C
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Additional Information

Product Main Type	ACH480-04
Product Name	Base unit

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH480-04 - Drive module for HVAC

