



PRODUCT-DETAILS

ACH580-01-018A-4+B063

LV AC wall-mounted drive for HVAC, IEC: Pn 7.5 kW, 17 A, 400 V, UL: Pld 10 Hp, 14 A, 500 V (ACH580-01-018A-4+B063)



General Information	
Global Commercial Alias:	ACH580-01-018A-4+B063
Product ID:	3AXD50001002756
ABB Type Designation:	ACH580-01-018A-4+B063
EAN:	6438177700098
Catalog Description:	LV AC wall-mounted drive for HVAC, IEC: Pn 7.5 kW, 17 A, 400 V, UL: Pld 10 Hp, 14 A, 500 V (ACH580-01-018A-4+B063)
Long Description:	Designed for operation in rain, heat, cold, salt spray, dust and other extreme environments, this drive is fully sealed, providing protection against external elements. Its design offers exceptional corrosion resistance to biocides typical for cooling tower applications. Additionally, the ACH580-01 Type 4X / IP66 is UV-resistant, and the optional sun shield makes it suitable for prolonged exposure to harsh sunlight.
Display Name:	ACH580-01-018A-4+B063

Ordering

Customs Tariff Number:	850440
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:	ACH580-01-018A-4+B063 PN: 7.5 kW, IN: 17 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:	15.50 kg 34.17 lb
Product Net Depth / Length:	260 mm 10.236 in
Product Net Height:	606 mm 23.858 in
Product Net Width:	208 mm 8.189 in
Package Level 1 Depth / Length:	375 mm 14.764 in
Package Level 1 Height:	777 mm 30.591 in
Package Level 1 Width:	341 mm 13.425 in
Package Level 1 Units:	box 1 piece

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	106.0 W	85.4 %	0.8 %
0/50 %	129.0 W	90.3 %	1.0 %
0/100 %	204.0 W	92.2 %	1.4 %
50/25 %	111.0 W	92.1 %	0.9 %
50/50 %	139.0 W	94.8 %	1.0 %
50/100 %	225.0 W	95.7 %	1.6 %
90/50 %	149.0 W	96.8 %	1.1 %
90/100 %	254.0 W	97.3 %	1.8 %

Number of Phases:	3-phase
Degree of Protection:	IP66
Enclosure Type NEMA:	Type4X

Altitude:	1000 m
Power Factor:	0.98
Sound dB (A):	64 dB(A)
Multiple Battery Information:	Lithium Coin; CR2032; 220 mAh; 3 V; 1 pc; 3 g
Frequency (f):	47.5 ... 63 Hz
Frame Size:	R2
Input Voltage (U_{in}):	380 ... 415 V
Mounting Type:	Wall-mounted
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 2 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes:	With PC connection With control unit Without optical interface
Analog Inputs:	2
Analog Outputs:	2
Number of Digital In/Outputs:	6 / 3
Output Current, Normal Use (I_n):	17 A
Output Current, Light-Overload Use (I_{LD}):	16.2 A
Output Current, Heavy-Duty Use (I_{HD}):	12.6 A
Output Power, Normal Use (P_n):	7.5 kW
Output Power, Light-Overload Use (P_{LD}):	7.5 kW
Output Power, Heavy-Duty Use (P_{HD}):	5.5 kW
Power Consumption (@P_{cons}):	240 W
Apparent Power Output:	11.8 kV·A
Efficiency Level:	IE2
Standby Loss:	15 W
Temperature Rating:	Maximum 40 °C Minimum -25 °C

Technical UL

Output Current, Light-Overload Use (UL): 14 A

Output Power, Light-Overload Use (UL): 10 Hp

Certificates and Declarations

Declaration of Conformity - CE:	3AXD10001818627
REACH Date:	20260316
REACH Declaration:	9AKK107992A7060
REACH Information:	True - contains substances > 0.1 mass percentage
RoHS Date:	20260623
RoHS Declaration:	3AXD10001818627
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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
ETIM 10:	EC001857 - Frequency converter =< 1 kV

Categories

Products > Drives > Low Voltage AC Drives > Industry-Specific Drives > Drives for HVAC > ACH580-01 - Wall-mounted drive for HVAC



