



PRODUCT-DETAILS

# ACH580-01-046A-2

## ACH580-01-046A-2 PN: 11.0 kW, IN: 47 A

General Information	
Global Commercial Alias	ACH580-01-046A-2
Product ID	3AXD50000215621
ABB Type Designation	ACH580-01-046A-2
EAN	6438177522133
Catalog Description	ACH580-01-046A-2 PN: 11.0 kW, IN: 47 A

Additional Information	
ABB Type Designation	ACH580-01-046A-2
Altitude	1000 m
Analog Inputs	2
Analog Outputs	2
Apparent Power Output	18 kV-A
CN8	85044084
Communication Protocol	BACNET CAN DeviceNet EtherNet/IP LON MODBUS Other Bus Systems PROFIBUS PROFINET IO TCP/IP

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	156 W	86.2 %	0.8 %
0/50 %	198 W	90.5 %	1.1 %
0/100 %	334 W	91.8 %	1.8 %
50/25 %	169 W	92.3 %	0.9 %
50/50 %	222 W	94.6 %	1.2 %
50/100 %	397 W	95.2 %	2.2 %
90/50 %	257 W	96.5 %	1.4 %
90/100 %	518 W	96.5 %	2.8 %

Country of Origin Finland (FI)

Customs Tariff Number	85044084
Degree of Protection	acc. to IEC 60529 IP21
EAN	6438177522133
Efficiency Level	IE2
Enclosure Type NEMA	Type1
Environmental Conditions	Chemical Gas Tolerance acc. to IEC 60721-3-3 3C2 Pollution Degree acc. to IEC 61800-5-1 2 Solid Particle Tolerance acc. to IEC 60721-3-3 3S2
Four Quadrant Operation	No
Frame Size	R3
Frequency (f)	47 ... 63 Hz
Global Commercial Alias	ACH580-01-046A-2
Gross Volume	22.779 dm <sup>3</sup>
Gross Weight	14.5 kg 31.967 lb
Integrated Breaking Resistance	No
Intended Field of Application	Domestic Industrial
Invoice Description	ACH580-01-046A-2 PN: 11.0 kW, IN: 47 A
Made To Order	Yes
Maximum Output Frequency	500 Hz
Medium Description	ACH580-01-046A-2 PN: 11.0 kW, IN: 47 A
Minimum Order Quantity	1 piece
Minimum Output Frequency	0 Hz
Module Function	LV AC wall-mounted drive for HVAC
Multiple Battery Information	Lithium Coin, CR2032, 220 mAh, 3 V, 1 pc, 3 g
Number of Digital In/Outputs	6 / 3
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
Number of Phases	3
	95
Order Multiple	1 piece
Output Current, Heavy-Duty Use ( $I_{HD}$ )	30.8 A
Output Current, Light-Overload Use ( $I_{LD}$ )	46.2 A
Output Current, Normal Use ( $I_N$ )	47 A
Output Power, Heavy-Duty Use ( $P_{HD}$ )	7.5 kW
Output Power, Light-Overload Use ( $P_{LD}$ )	11.0 kW
Output Power, Normal	11 kW

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

Output Voltage (U <sub>out</sub> )	0 ... 240 V
Output Voltage Maximum	240 V
Package Level 1 Depth / Length	295 mm
Package Level 1 Gross Weight	2.24 kg
Package Level 1 Height	390.00 mm 15.354 in
Package Level 1 Width	600.00 mm 23.622 in
Package Level 2 Depth / Length	11.614 in
Package Level 2 Gross Weight	4.938 lb
Package Level 2 Height	15.354 in
Package Level 2 Width	23.622 in
Product Main Type	ACH580-01
Product Name	Frequency converter
Product Net Depth / Length	229 mm 9.016 in
Product Net Height	490 mm 19.291 in
Product Net Weight	11.8 kg 26.015 lb
Product Net Width	203 mm 7.992 in
Product Type	ACH580-01
Quote Only	No
Selling Unit of Measure	piece
Short Description	ACH580-01-046A-2 PN: 11.0 kW, IN: 47 A
Sound dB (A)	76 dB(A)
Standby Loss	15 W
Stocked At (Warehouses)	Singapore, Singapore Beijing, China Singapore, Singapore Tokyo, Japan Australia, Australia
Symmetric Tolerance (% tol)	Relative Net Voltage 10 %
Temperature Rating	Maximum 40 °C Minimum -15 °C
Type of Converter	U Converter
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)