



PRODUCT-DETAILS

ACH580-01-169A-2

ACH580-01-169A-2 PN: 45 kW, IN: 171 A

General Information

Global Commercial Alias	ACH580-01-169A-2
Product ID	3AXD50000215683
ABB Type Designation	ACH580-01-169A-2
EAN	6438177522171
Catalog Description	ACH580-01-169A-2 PN: 45 kW, IN: 171 A

Additional Information

ABB Type Designation	ACH580-01-169A-2
Altitude	1000 m
Analog Inputs	2
Analog Outputs	2
Apparent Power Output	67 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 %	495 W	88.1 %	0.7 %
0/50 %	681 W	91.2 %	1.0 %
0/100 %	1238 W	91.8 %	1.8 %
50/25 %	542 W	93.4 %	0.8 %
50/50 %	776 W	95.0 %	1.2 %
50/100 %	1463 W	95.2 %	2.2 %
90/50 %	934 W	96.6 %	1.4 %
90/100 %	1965 W	96.4 %	2.9 %

Country of Origin	Finland (FI)
Customs Tariff Number	85044084
Degree of Protection	acc. to IEC 60529 IP21
EAN	6438177522171

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	R7
Frequency (f)	47 ... 63 Hz
Global Commercial Alias	ACH580-01-169A-2
Gross Volume	92.47 dm³
Gross Weight	65 kg 143.301 lb
Integrated Breaking Resistance	No
Intended Field of Application	Domestic Industrial
Invoice Description	ACH580-01-169A-2 PN: 45 kW, IN: 171 A
Made To Order	Yes
Maximum Output Frequency	500 Hz
Medium Description	ACH580-01-169A-2 PN: 45 kW, IN: 171 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
Order Multiple	95
Output Current, Heavy-Duty Use (I_{HD})	1 piece 143 A
Output Current, Light-Overload Use (I_{LD})	169 A
Output Current, Normal Use (I_N)	171 A
Output Power, Heavy-Duty Use (P_{HD})	37 kW
Output Power, Light-Overload Use (P_{LD})	45 kW
Output Power, Normal Use (P_N)	45 kW
Output Voltage (U_{out})	0 ... 240 V
Output Voltage Maximum	240 V
Package Level 1 Depth / Length	992 mm
Package Level 1 Gross Weight	11 kg
Package Level 1 Height	568.00 mm 22.362 in

Package Level 1 Width	400.00 mm
	15.748 in
Package Level 2 Depth / Length	39.055 in
Package Level 2 Gross Weight	24.251 lb
Package Level 2 Height	22.362 in
Package Level 2 Width	15.748 in
Product Main Type	ACH580-01
Product Name	Frequency converter
Product Net Depth / Length	370 mm
	14.567 in
Product Net Height	880 mm
	34.646 in
Product Net Weight	54 kg
	119.050 lb
Product Net Width	284 mm
	11.181 in
Product Type	ACH580-01
Quote Only	No
Selling Unit of Measure	piece
Short Description	ACH580-01-169A-2 PN: 45 kW, IN: 171 A
Sound dB (A)	67 dB(A)
Standby Loss	22 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	4. Large Equipment (Any External Dimension More Than 50 cm)