



 PRODUCT-DETAILS

ACH580-01-062A-4+B056

LV AC wall-mounted drive for HVAC, IEC: Pn 30 kW, 62 A (ACH580-01-062A-4+B056)



General Information

Global Commercial Alias	ACH580-01-062A-4+B056
Product ID	3AUA0000083598
ABB Type Designation	ACH580-01-062A-4+B056
EAN	6438177306290
Catalog Description	LV AC wall-mounted drive for HVAC, IEC: Pn 30 kW, 62 A (ACH580-01-062A-4+B056)
Long Description	<p>ACH580 HVAC drive offering has all key features built-in to control fans, pumps and compressors, and more complex equipment like air-handling units and chillers, ensuring smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the intuitive control panel with an HVAC-specific primary settings menu and help assistants makes startup, commissioning and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH580-01 comes in IP21 enclosure and can be installed on the wall as standard. Also, IP55 and flange mounting units are available.</p>

Ordering

Customs Tariff Number	85044086
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	ACH580-01-062A-4+B056 PN: 30 kW, IN: 62 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	20 kg
Product Net Depth / Length	265 mm
Product Net Height	685.5 mm
Product Net Width	203 mm
Package Level 1 Depth / Length	760 mm
Package Level 1 Height	428 mm
Package Level 1 Width	298 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3-phase
Degree of Protection	IP55
Enclosure Type NEMA	Type12
Altitude	4000 m
Sound dB (A)	70 dB(A)
Frequency (f)	47.5 ... 63 Hz
Frame Size	R4
Input Voltage (U _{in})	380 ... 480 V
Mounting Type	Wall-mounted
Communication Protocol	BACNET MODBUS LON DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 2 Other 2
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital	6/3

In/Outputs

Output Current, Normal	62 A
Use (I_n)	
Output Power, Normal	30 kW
Use (P_n)	
Output Power, Light-Overload Use (P_{LD})	30 kW
	873 W
Apparent Power Output	43 kV·A
Efficiency Level	IE2
Standby Loss	19 W
Complete Drive Module Efficiency (IEC61800-9-2)	

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	247 W	0.6 %	90.2 %
0 / 50 %	322 W	0.7 %	93.2 %
0 / 100 %	574 W	1.3 %	93.8 %
50 / 25 %	270 W	0.6 %	94.6 %
50 / 50 %	370 W	0.9 %	96.1 %
50 / 100 %	683 W	1.6 %	96.4 %
90 / 50 %	430 W	1.0 %	97.5 %
90 / 100 %	873 W	2.0 %	97.4 %

Temperature Rating Maximum 40 °C

Certificates and Declarations

Declaration of Conformity - CE	3AXD10001818627
REACH Date	20250905
REACH Declaration	9AKK107992A7060
REACH Information	True - contains substances > 0.1 mass percentage
RoHS Date	20240508
RoHS Declaration	3AXD10001818627
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental

SCIP	cdc24b2a-20d2-4e65-816b-a638fc9e9fb1 Finland
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

External Classifications and Standards

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

Categories

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

