

PRODUCT-DETAILS

# ACH580-31-027A-4

LV AC ultra-low harmonic wall-mounted drive for HVAC, IEC: Pn 15.0 kW, 32.0 A (ACH580-31-027A-4)



## General Information

Global Commercial Alias	ACH580-31-027A-4
Product ID	3AXD50000256709
ABB Type Designation	ACH580-31-027A-4
EAN	6438177594567
Catalog Description	LV AC ultra-low harmonic wall-mounted drive for HVAC, IEC: Pn 15.0 kW, 32.0 A (ACH580-31-027A-4)

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. This ultra-low variant provides ultimate harmonic performance, reaching even less than 3 % THDi, and exceeding the requirements set by low harmonic recommendations.

## Long Description

The drive includes an active supply unit and integrated low harmonic line filter, meaning there is no need for external filters, multi-pulse arrangements or special transformers. Other features include output voltage boost and power factor correction. The built-in features significantly reduce installation time, and the intuitive HVAC specific control panel and help assistants make operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The variant comes in IP21 enclosure as standard and can be installed on the wall. Also, IP55 and flange mounting units are available.

## Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044084

Invoice Description	ACH580-31-027A-4 PN: 15.0 kW, IN: 32 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	76.162 dm³
--------------	------------

Dimensions

Product Net Weight	61 kg
Product Net Depth / Length	392.3 mm
Product Net Height	771 mm
Product Net Width	252 mm
Package Level 1 Depth / Length	598 mm
Package Level 1 Height	992 mm
Package Level 1 Width	400 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Altitude	1000 m
Sound dB (A)	71.0 dB(A)
Frequency (f)	50/60 Hz
Frame Size	R6
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Wall-mounted
Output Current, Heavy-Duty Use (I <sub>HD</sub> )	25.0 A
Output Current, Light-Overload Use (I <sub>LD</sub> )	30.4 A
Output Current, Normal Use (I <sub>n</sub> )	32.0 A
Output Power, Heavy-Duty Use (P <sub>HD</sub> )	11.0 kW
Output Power, Light-Overload Use (P <sub>LD</sub> )	15.0 kW
Output Power, Normal Use (P <sub>n</sub> )	15.0 kW
Ecodesign Exemption	Energy efficiency data is not provided for the drive. The low-harmonic drives are exempt from the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.d).

Additional Information

Product Main Type	ACH580-31
Product Name	Frequency converter

Classifications

UNSPSC	39122001
--------	----------

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
---------------	-------------------------------------------------------------

Categories

Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-31 - Wall-mounted ultra low harmonic drive for HVAC

Drives → Services → Spares and Consumables → Parts

