

PRODUCT-DETAILS

ACH580-31-145A-4+B056

LV AC ultra-low harmonic wall-mounted drive for HVAC (ACH580-31-145A-4+B056)



General Information	
Global Commercial Alias	ACH580-31-145A-4+B056
Product ID	3AXD50000429578
ABB Type Designation	ACH580-31-145A-4+B056
EAN	6438177594673
Catalog Description	LV AC ultra-low harmonic wall-mounted drive for HVAC (ACH580-31-145A-4+B056)
Long Description	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. 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	ACH580-31-145A-4+B056
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	143.59 dm³
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Dimensions

Product Net Weight	118 kg
Product Net Height	300 mm
Product Net Width	496 mm
Package Level 1 Units	1 carton

Technical

Frame Size	R8
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 Name	Frequency Converter
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Environmental

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

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

