

PRODUCT-DETAILS

ACH580-34-240A-4

LV AC ultra-low harmonic drive module for HVAC, IEC: Pn 132 kW, 246 A (ACH580-34-240A-4)



General Information

Global Commercial Alias	ACH580-34-240A-4
Product ID	3AXD50000427802
ABB Type Designation	ACH580-34-240A-4
Catalog Description	LV AC ultra-low harmonic drive module for HVAC, IEC: Pn 132 kW, 246 A (ACH580-34-240A-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. The ultra-low drive module 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 IP00 enclosure as standard and for cabinet installation Also, IP20 enclosure is available.

Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044084
Invoice Description	ACH580-34-240A-4 PN: kW, IN: A
Made To Order	No

Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

Dimensions

Product Net Weight	376 kg
Product Net Depth / Length	636 mm
Product Net Height	1741 mm
Product Net Width	506 mm
Package Level 1 Depth / Length	1080 mm
Package Level 1 Height	2050 mm
Package Level 1 Width	650 mm
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	50/60 Hz
Frame Size	R11
Input Voltage (U_{in})	380 ... 480 V
Mounting Type	Module for cabinet building
Output Current, Heavy-Duty Use (I_{HD})	206 A
Output Current, Light-Overload Use (I_{LD})	234 A
Output Current, Normal Use (I_n)	246 A
Output Power, Heavy-Duty Use (P_{HD})	110 kW
Output Power, Light-Overload Use (P_{LD})	132 kW
Output Power, Normal Use (P_n)	132 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	ACH580-34-240A-4
Product Name	Frequency Converter

Classifications

UNSPSC	39122001
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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 → ACH580-34 - Ultra-low harmonic drive module for HVAC

Drives → Services → Spares and Consumables → Parts

