

PRODUCT-DETAILS

# ACH580-31-180A-4

## Wall-mounted ultra-low harmonic drive for HVAC, UL: Pld 180 Hp, 150 A, 460 V (ACH580-31-180A-4)



General Information	
Global Commercial Alias	ACH580-31-180A-4
Product ID	3AXD50000507405
ABB Type Designation	ACH580-31-180A-4
EAN	6438177611363
Catalog Description	Wall-mounted ultra-low harmonic drive for HVAC, UL: Pld 180 Hp, 150 A, 460 V (ACH580-31-180A-4)
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. 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.</p>

### Ordering

Country of Origin	United States (US)
Customs Tariff Number	85044080
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	247 lb
Product Net Depth / Length	17.23 in
Product Net Height	38.01 in
Product Net Width	11.81 in

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Input Voltage (U <sub>in</sub> )	440 ... 480 V

Additional Information

Product Name	AC Drive
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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

