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## **ACH580 UL Type 4X/IP66 VFD Supports HVACR Applications in Extreme Environments**

- A variable frequency drive (VFD) that is fully sealed and weather tight with a UL Type 4X/IP66 rating.
- The drive employs HVACR industry-specific software features and settings.
- Designed for operation in environments where more extreme rain, snow, cold, or dust is experienced.

Introducing the ACH580 4X variable frequency drive (VFD), a new addition to ABB's all-compatible drive portfolio that is built for outdoor installation and extreme environments in the HVACR industry. Certification to UL Type 4X (NEMA 4X and IP66 rating) ensures protection against rain, cold, snow, salt spray, and dust as well as corrosion due to caustic chemicals, gases, and damage from the formation of exterior ice, high levels of humidity or UV radiation.

Purpose-built for HVACR, the ACH580 4X drive incorporates features like flying start for seamless control of spinning motors, multi-pump control for enhanced system efficiency, freezestat response, resonance monitoring, and an override capability for fire emergencies. Convenient options include a built-in disconnect switch to streamline installation and eliminate the need for branch circuit fuses (while maintaining a 100 kA SCCR), as well as a sun shield to help maintain optimal performance when exposed to direct sunlight.

"All customers in the HVACR industry need robust and reliable equipment, but there are situations where the drive needs outside installation, near the application, subject to extreme environments," says Mario Lemarroy, Product Market Manager, at ABB. "Our ACH580 4X drive also is equipped with HVACR specific software features, making it easy to commission and use."

Equipped with HVACR-specific software features, the ACH580 4X drive ensures ease of commissioning and use. It features a standard Bluetooth control panel for seamless and secure connectivity, commissioning, and monitoring through ABB apps like Drivetune and Drive Composer. The Bluetooth panel not only enhances convenience but also improves safety by keeping staff out of the arc flash boundary.

Available in multiple power ratings from 1 to 30 HP in 1-phase 240 V, 3-phase 208-240 V, 3-phase 380- 480 V, and 3-phase 500 - 600 V, the ACH580 4X drive is set to launch at AHR in Chicago on January 22 – 24, 2024, with availability starting from February 1, 2024.

For more information, visit ABB's booth at AHR in Chicago on January 22 – 24, 2024, or go to <https://new.abb.com/drives/low-voltage-ac/industry-specific-drives/ach580>.

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ABB Motion keeps the world turning – while saving energy every day. We innovate and push the boundaries of technology to enable the low-carbon future for customers, industries and societies. With our digitally enabled drives, motors and services our customers and partners achieve better performance, safety and reliability. We offer a combination of domain expertise and technology to deliver the optimum drive and motor solution for a wide range of applications in all industrial segments. Through our global presence we are always close to serve our customers. Building on over 140 years of cumulative experience in electric powertrains, we learn and improve every day. [go.abb/motion](https://go.abb/motion)

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