

---

NEW BERLIN, WI, JANUARY 22, 2024

# ABB launches next generation MicroDrive specialized for HVACR systems

- Designed specifically for HVACR Equipment
- Compact design allows for lower cost and easier cabinet installation
- Reduce costs with excellent price-to-performance ratio

ABB introduces its next generation MicroDrive, ACH180, that complies with UL standards, including UL61800-5-1 for drives and UL60335-2-40 for HVACR (heating, ventilation, air conditioning and refrigeration) equipment. As the newest addition to ABB's HVACR drive portfolio, the ACH180 enables expert control of high-efficiency motors, while utilizing a compact design for space savings, lower capital expenditure and easier commissioning.

The ACH180 drive's design allows operators to run motors based on the HVACR process demands, rather than running them at full speed and reducing output using mechanical controls like throttles or dampers, which greatly reduce energy consumption and CO<sub>2</sub> emissions.

Packed with HVACR-specific features, the ACH180 includes industry-standard Hand/Off/Auto controls, fireman's override for smoke control, and four start interlocks for remote troubleshooting, including high static, smoke, freezestat, and fire stat. It supports the control of various motor types, including permanent magnet-assisted synchronous reluctance motors like IE5 EC Titanium™ by ABB, permanent magnet motors, and conventional induction motors. Further, onboard communication protocols, including BACnet MS/TP and Modbus RTU, offer compatibility with a wide range of building automation systems (BAS) or OEM controllers.

The ACH180 is suitable for a wide range of HVACR applications, including air handlers, fan arrays, heat pumps, compressors, and pumps. Its operation up to 40C (up to 60C with derate) provides cabinet air conditioning cost savings and will help reduce energy consumption, aligning with increasing regulations around the energy efficiency of air handling equipment.

"Increasing energy efficiency requirements for HVACR systems and buildings compel OEMs, specifying engineers, contractors, and building owners to adopt energy-saving strategies, such as the usage of high efficiency motors and drives," said Louis Hill, ABB Manager of Product Management for HVACR. "The ACH180 offers a perfect solution that minimizes the cost and complexity of using a drive."

The ACH180 drive will be available on January 22, 2024, launching at the AHR Expo in Chicago on January 22 -24, 2024. For more information, visit ABB's booth at AHR or visit <https://campaign.abb.com/AHR-2024> or <https://new.abb.com/us/us-motion-business-area/drives-products/industry-specific-drives/drives-for-hvac/ach180>.

**-###-**

**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 more than 140 years of cumulative experience in electric powertrains, we learn and improve every day. [Go.abb/motion](https://go.abb/motion).

**Contact:**

Kristin Anderson

[Kristin.anderson@us.abb.com](mailto:Kristin.anderson@us.abb.com)