



ABB Drives for HVAC

ACH580 redundant drives

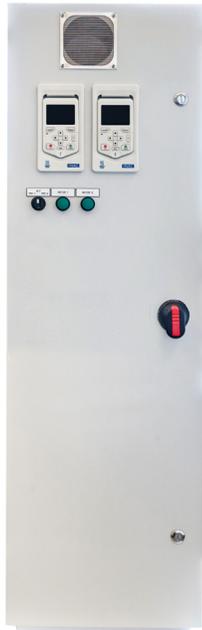
Critical facilities require expertise and solutions to bring you peace of mind. Our redundant drives are always ready for when your system needs them the most.



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ACH580 redundant drives

When you have critical systems, consider the redundant HVAC drive package. The package contains a pair of ABB ACH580 drives, integrated into a UL (NEMA) type enclosure. Included are all the power and control features you need for your critical applications. ACH580 redundant drives offer single-point control connections, eliminating the need to duplicate control wiring.



Values:

- Reduce site installation costs with an integrated redundant design.
- When using high efficiency motors, such as EC Titanium™, drives are the only option.
- The ability to always operate at or above 60 Hz

Features and Benefits

- Single main disconnect interlocked with enclosure door and lockable in the off position
- Redundant control can automatically or manually switch from Lead Drive to redundant drive upon a lead drive fault
- A single point motor connection
- Terminal block provides single point connections for:
 - 5 User Safety/Interlocks
 - External start signal
 - Speed reference signal
- Control includes:
 - Lead drive selector switch
 - Remote transfer – offers lead transfer between Drive 1 & Drive 2 from the building automation system
 - VFD1/ALT/VFD2 selector switch included
- Drive control panels (keypads) accessible without opening enclosure door
- 100 kA short circuit current rating up to 480 VAC
- UL 508A labeled

Embedded Building Automation Protocols	BACnet (MS/TP) Johnson Controls N2 GP1 Modbus RTU
Product compliance	UL, cUL
Protection class	UL (NEMA) type 1, 12 or 3R
Ambient temperature (Operating)	UL (NEMA) type 1 & 12 – -15 to 40 °C (5 to 104 °F) – -15 to 50 °C (5 to 122 °F) with derate UL (NEMA) type 3R – -18 to 40 °C (0 to 104 °F) – -18 to 50 °C (0 to 122 °F) with derate
Relative humidity	5 to 95%, no condensation allowed.
Options	– Manual Motor Protectors (MMP), 15 Hp maximum each – MMP Motor Run Lights - door mounted lights indicate individual MMPs are closed (ON) – MMP Remote Indication - terminal block signal indicates all MMPs are closed (ON) – Service switch, includes switches for both drive – BACnet/IP