



NEW BERLIN, USA, FEBRUARY 27, 2024

Manufacturer's Statement

ACH/ACQ/ACS580 A3 Refrigerant Declaration of Conformity

ABB Low Voltage Drives ACH/ACQ/ACS580 series is declared by ABB to be fit for use in applications using A3 Refrigerants in accordance with IEC/UL60335-2-40 with respect to Sect22.116 & Sect22.117. This statement applies to products released at the time of preparing this document.

The Products covered under this notice are designated as below.

HVACR Drives	Water / Wastewater Drives	General Purpose Drive
ACH580-01-xxxx-2	ACQ580-01-xxxx-2	ACS580-01-xxxx-2
ACH580-01-xxxx-4	ACQ580-01-xxxx-4	ACS580-01-xxxx-4
ACH580-01-xxxx-6	ACQ580-01-xxxx-6	ACS580-01-xxxx-6
ACH580-04-xxxx-4	ACQ580-04-xxxx-4	ACS580-04-xxxx-4
ACH580-31-xxxx-2	ACQ580-31-xxxx-2	
ACH580-31-xxxx-4	ACQ580-31-xxxx-4	
ACH580-34-xxxx-4	ACQ580-34-xxxx-4	

The ACH/ACQ/ACS580 drive has been tested and monitored for surface temperatures to be within safe limits and is not considered a source of ignition for A3 classified refrigerants at the time of this notification.

A3 refrigerants are in a class of refrigerants that have higher toxicity and flammability than A2L refrigerants. A listing of common refrigerants can be found through the American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE). ASHREA Standard 34 and ISO-817.

Maintenance and servicing of drives as outlined in the hardware manual for the ACH/ACQ/ACS580 product should be followed to ensure continued safe operation within systems using A3 refrigerants.

Referenced Standards

IEC60335-2-40:2022

ANSI/UL60335-2-40:4th Ed. 2022

Andy Organ

Global Product Manager

Drive Products

ABB Drives

