

---

## COURSE DESCRIPTION

# ACH580-31/ACH580-34 Hardware features, Internet course

## Course type

This is a web-based training course.  
MyLearning course code is 9CSC010592e.

## Course duration

The course duration is approximately 15 minutes.

## Course goal

This course gives an overview of the hardware features of ACH580 ultra-low harmonic drives for heating, ventilation and air conditioning (HVAC).

## Student profile

This course is intended for sales managers, sales engineers, product managers, anyone selecting or dimensioning an ACH580, or for anyone wanting to know more about ACH580 ultra-low harmonic drives for heating, ventilation and air conditioning (HVAC).

## Prerequisites

- G3590e - ACH580 series offering, internet course
- Recommended: G3591e – ACH580-01 hardware features, internet course
- An Internet connection. The recommended browser is Microsoft Edge or Google Chrome.

## Course objectives

Upon completion of this course, you will be able to:

- Learn about why we have this product in ABB portfolio
- Describe the benefits of ultra-low harmonic drive
- Understand the work principles of the ultra-low harmonic drive
- List the product hardware characteristics

## Main topics

- Benefits of ultra-low harmonic drives
- Operation principles of built-in harmonic mitigation
- Drive dimensions
- Control unit CCU-24
- I/O options
- Hardware construction
- Main fan assembly
- Common mode filter
- Cabinet design for ACH580-34
- Maintenance