

# ABB ACH580 General Purpose Series Drives for HVAC (VFD)

The ABB ACH580 HVAC drive is a high-performance variable frequency drive designed for heating, ventilation, and air conditioning applications. The ABB ACH580 VFD provides reliable motor control, energy efficiency, and seamless building automation integration for pumps, fans, compressors, and air handling units.

---

## Key Features of ABB ACH580 HVAC Drive

- Built-in BACnet MS/TP communication
  - Integrated Modbus RTU
  - Optional BACnet/IP and PROFINET
  - Built-in Safe Torque Off (STO)
  - Fireman's override mode
  - Energy optimizer for HVAC systems
  - Embedded EMC filter
  - Real-time clock
  - Built-in DC choke
- 

## ABB ACH580 Technical Specifications

Specification	Details
Product Series	ABB ACH580 HVAC VFD
Power Range	0.75 kW to 500 kW
Voltage Class	200–240V / 380–480V / 500–690V
Frequency	50/60 Hz
Protection Class	IP21 / IP55
Control Method	V/f & Vector Control
Applications	Pumps, Fans, AHU, Compressors
Mounting	Wall Mount / Cabinet Built

## Popular ABB ACH580 Models (380–480V)

- ACH580-01-04A1-4 (0.75 kW)
- ACH580-01-05A6-4 (1.5 kW)
- ACH580-01-07A3-4 (2.2 kW)
- ACH580-01-12A6-4 (5.5 kW)
- ACH580-01-25A0-4 (11 kW)
- ACH580-01-38A0-4 (18.5 kW)
- ACH580-01-72A0-4 (37 kW)
- ACH580-01-145A-4 (75 kW)

ACH580-01-260A-4 (132 kW)

## **SEO Keywords**

ABB ACH580, ABB ACH580 VFD, ACH580 HVAC drive, ACH580 models list, ABB ACH580 specifications, HVAC variable frequency drive, ACH580 400V drive.