

ACS880-01 wall-mounted single drives with extension box

1 to 150 Hp / 0.75 to 112 kW



The ACS880-01 wall-mounted single drive with extension box is part of ABB's new all-compatible drives portfolio. The drives are compatible with virtually all types of AC motors, automation systems, users and business requirements.

The ACS880-01 Extension Box (+C212) takes the ACS880-01 base drive and combines it with a simple package to make installation even easier, giving you optimized energy efficiency, maximized output and simplified operation.

Simplifying your world without limiting your possibilities

The ACS880 Extension Box is an ACS880-01 wall-mounted drive on a backpanel with an electrical box for additional devices. Within the box are line fuses to protect the drive. Optional devices include a local disconnect switch and control power transformer. The extension box will save cost and simplify installation because it has the input fusing and local disconnect switch that are typically required as part of the installation. It can optionally provide 120V source and digital signal interface including drive start/stop. It is used in a variety of industries include oil and gas, chemical, mining, material handling, pulp and paper, saw mills and cement. Applications include extruders, winders, conveyors, mixers, compressors, pumps and fans. The ACS880 Extension Box is available up to 150 HP in a wall-mountable package for indoor locations in industrial environments.

Standard Features

- UL type 1 (IP21) and UL type 12 (IP54)
- UL listed with 100 kA SCCR
- Top and bottom entry or exit
- Sturdy back panel with welded enclosure
- Line fuses to protect the drive
- Engineered for ease of service

Options

- Lockable local disconnect switch
- dV/dt filter up to 10 HP (UL type 1 at 480 Vac)
- Control power transformer
- 120 Vac inputs and outputs
- Control devices: HOA, fault reset, start/stop and Estop (UL type 12)
- Pilot lights: run, ready and fault (UL type 12)
- Speed pot (UL type 12)

Base Drive Features and Options

- Standard ACS880 firmware
- Built-in line impedance
- Direct Torque Control (DTC)
- Intuitive, high resolution control display
- Built-in energy monitor
- Energy optimizer
- Fieldbus, digital/analog inputs and outputs, and motor feedback adapters
- Drive application programming software such as winder, crane and centrifuge

Technical data

Power Ratings

230 Volts AC	1 to 60 HP
460 Volts AC	1 to 150 HP
575 Volts AC	7.5 to 125 HP

Overload

110% overload for 1 minute (LD)

150% overload for 1 minute (HD)



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