

ACS880-PE Enclosed drive

1 to 200 Hp (0.75 to 150 kW)



The ACS880-PE Enclosed Drive features a single ACS880-01 flange-mounted variable frequency drive in a wall-mounted or floor-standing enclosure and is available in a UL type 1 or type 12 design. It also features a wide selection of optional components including a manual two-contactor bypass with or without a soft start and a variety of power filters.

The ACS880-PE enclosed drive is part of ABB's new all-compatible drives portfolio. The innovation behind all-compatible is ABB's new common architecture, designed to simplify operation, optimize energy efficiency and maximize output. The drives are compatible with virtually all types of AC motors, automation systems, users and business requirements.

range of industries including chemical, oil and gas, mining, material handling, pulp and paper, saw mills and cement. Applications include extruders, winders, conveyors, mixers, compressors, pumps and fans. The ACS880-PE Enclosed Drive is available up to 200 HP and is designed for indoor industrial environments.

Simplify your world without limiting your possibilities

The ACS880-PE Enclosed Drive is a pre-engineered space-saving solution, with ABB quality inside and out. The enclosure size is optimized based on the selection of accessories required. It features a wide selection of optional components include a manual two-contactor bypass with or without a soft start and a variety of power filters. It can be used in a

Technical data	
Power ratings	
230 Volts AC	1 to 100 HP
460 Volts AC	1 to 200 HP
Overload	
110% overload for 1 minute (LD)	
150% overload for 1 minute (HD)	

Standard Features

- ACS880-01 drive, flange mounted
- Wall-mount or floor-standing enclosure
- Lockable fused disconnect switch
- UL Type 1 or Type 12 enclosure
- UL listed with 100 kA SCCR
- Rigid enclosure with fans and filters
- Door-mounted control panel
- Top or bottom entry or exit
- Engineered for ease of service

Optional Features

- Circuit breaker (65 kA SCCR)
- Input line reactor
- Input harmonic filter
- Output dV/dt filter
- Two-contactor bypass
- Bypass with soft starter (65 kA SCCR)
- Service switch for bypass
- Enclosure options: heater, surge arrestor, blower motor starter, control power transformer
- Control devices: hand-off-auto switch; fault reset, start/stop and emergency stop buttons; speed pot
- Pilot lights: run, ready and fault

01 ACS880-PE
floor-standing
enclosure option



01

02 ACS880-PE
wall-mount
enclosure option



02

03 Sample ACS880-PE
pilot device panel



03