ABB DC cabinet drives
DCS800-A0, 600 to 3000 hp

DCS800 cabinet drives are ideal for a variety of industries including metals, mining, plastics and more. Applications include rolling mills, mine hoists, extruders, and cranes, as well as non-motoric applications such as battery chargers.

**Standard Features**
- IP21 construction (like UL type 1)
- 2Q (non-reversing) or 4Q (reversing)
- Forced air cooling
- Circuit breaker, reactor and contactor (varies by rating)
- Cabinet with 16 gauge steel panels covering 12 gauge steel frame
- Bottom AC line entry, bottom DC motor exit
- Built to UL specifications but not UL-listed
- Through-the-door rotary disconnect
- Door-mounted:
  - Control panel
  - Emergency stop pushbutton
  - Armature Amp and Volt meters
  - 120Vac digital inputs and outputs
  - ±10 Vdc analog inputs and outputs
  - Tachometer and encoder interface

**DCS800-A0 - 600 to 3000 HP**
DCS800-A0 cabinet drives, available from 600 to 3000 horsepower and beyond at voltages up to 1200 Vdc, provide optimal flexibility in a DC system for a wide variety of applications.

Standard 480 Vac drive cabinets (for 500 Vdc motors) that include features valued by US industries can be ordered from our catalog.

Custom drive cabinets, available upon request, provide maximum flexibility for the most demanding applications, including 12-pulse parallel, serial and sequential and hard parallel configurations.

**Optional Features**
- IP42 cabinet construction (like UL type 12 filtered)
- Cabinet lighting
- Additional meter on door
- Class A2 plus or class B1 cable marking
- Motor blower starter
- Extensive variety of fieldbus network adapters including Ethernet/IP, Profibus, ControlNet, and more
- Analog and digital input/output extensions
- Feedback adapters for resolver and second encoder
- High speed network adapters for DDCS fiber optic and drive-to-drive communications
- Drive Windows PC software tool

**Weight and Dimensions**
- All enclosures are 83.5” high x 23.6” deep (2120 mm high x 600 mm deep)
- *D5 and D6 weight includes circuit breaker
- *D7 weight excludes circuit breaker (optional)

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<th>Weight</th>
<th>Width w/ circuit breaker</th>
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*D5 and D6 weight includes circuit breaker
*D7 weight excludes circuit breaker (optional)
ABB DC cabinet drives
DCS800-PC, 3 to 500 hp

DCS800 cabinet drives are ideal for a variety of industries including metals, mining, plastics and more. Applications include rolling mills, mine hoists, extruders, and cranes, as well as non-motoric applications such as battery chargers.

DCS800-PC - 3 to 500 HP
DCS800-PC cabinet drives, available from 3 to 500 horsepower at 230 and 480 volt, feature a field-proven DCS800 power module that is fully integrated into a robust drive system. Available in both non-reversing (2Q) and reversing (4Q), the DCS800-PC cabinet drives are packed with features valued by American industry.

- UL listed; built in the USA
- Welded enclosures made of 12 gauge steel with multi-point door latching mechanism
- Oversized forced air cooling system optimized by ABB engineers to maximize heat removal
- Cabinet and drive fans that run only when needed
- Cabinet filters that can be changed from the outside to make replacement easier
- Intelligent E-stop circuit that ensures power is shut off before the contactor opens

Standard Features
- UL type 1 cabinet construction
- Top or bottom AC line entry and DC motor exit
- Through-the-door rotary disconnect
- Line reactor
- AC line contactor
- Field power supply
- Door-mounted:
  - Control panel
  - Emergency stop pushbutton
  - Armature Amp and Volt meters
  - 120 Vac digital inputs and outputs
  - ±10 Vdc analog inputs and outputs
  - Tachometer and encoder interface

Optional Features
- UL type 12 filtered cabinet construction
- Motor blower starter
- Extensive variety of fieldbus network adapters including Ethernet/IP, Profibus, ControlNet, and more
- Analog and digital input/output extensions
- Feedback adapters for resolver and second encoder
- High speed network adapters for DDCS fiber optic and drive-to-drive communications
- Drive Windows PC software tool

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