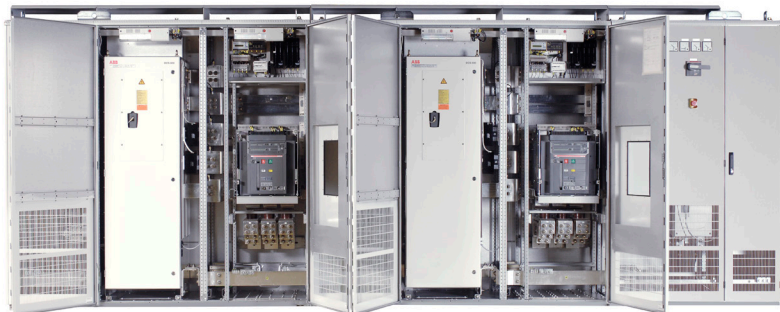


ABB DC cabinet drives

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.

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.

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

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)

Unit	Rated Current Amps (DC)		Weight		Width w/ circuit breaker		Width w/o circuit breaker	
	2Q	4Q	lb	kg	in	mm	in	mm
D5	1755	1755	1628	740	55.1	1400	55.1	1400
D6	2968	2760	2750	1250	78.7	2000	94.5	2400
D7	3039	3039	2090	950	82.7	2100	114.2	2900
D7	4760	4760	2640	1200	106.3	2700	137.8	3500

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

Unit	Horsepower 230 V		Horsepower 480 V		Weight	
	2Q	4Q	2Q	4Q	lb	kg
D1	30	30	60	75	316	144
D2	50	60	100	125	371	169
D3	100	125	200	250	437	199
D4	150	200	500	500	880	400

Unit	height		width		depth	
	in	mm	in	mm	in	mm
D1	48	1219	30	762	16	406
D2	60	1524	36	914	16	406
D3	60	1524	36	914	16	406
D4	90	2286	36	914	24	610