

High Energy Ventilated Constricting Clutch

Airflex product line



Clutch performer

The Eaton Airflex® High Energy Ventilated Constricting Clutch expands the energy capacity of traditional drum-clutch products and is designed to sustain high torque at high temperatures.

To maintain strong productivity and low maintenance costs, your application needs equipment that thrives in clutch situations. The new Airflex High Energy Ventilated Constricting (HEVC) Clutch, featuring industry-leading energy capacity and driveline component protection, delivers that reliability in severe clutching and braking applications.

The Airflex HEVC uses metallic friction lining to sustain more torque and extend slip times to improve efficiency and extend operating life of driveline components. That translates into optimal performance in high temperatures and decreased maintenance costs.

Your bottom line also benefits from a cost reduction through equipment downsizing and reduced peak energy usage during startup.

The Airflex HEVC is available for new grinding mills and as an upgrade kit for installed ventilated clutches.



Benefits

- Protection of driveline components
- Low friction wear for longer clutch life
- Sustained torque at high temperatures
- Increased start/stop times – up to 15 seconds at highest energy

Size	Torque lb-in at 75 psi*	Max RPM	Overall width (inch)	Outside diameter (inch)
DW28HEVC1000	697,000	1100	24.080	38.000
DW38HEVC1200	1,496,000	740	28.530	49.375
DW42HEVC1200	1,801,800	670	28.530	53.625
DW51HEVC1600	3,570,000	550	37.610	67.000
DW60HEVC1600	5,170,000	520	38.170	77.000
DW66HEVC1600	6,220,000	480	37.780	82.123
DW76HEVC1600	8,150,000	416	37.880	92.123
DW76HEVC2000	10,220,000	275	45.880	92.123

Dynamic torque calculated at 75 PSI and zero RPM shown; static torque approximately 25% greater.

Torque in each application is dependent upon air pressure and speed.

If you're ready to increase uptime, extend the life of your equipment and reduce maintenance costs, visit eaton.com/AirflexHEVC for more information. Fill out the form under Inquiries to have an Eaton representative contact you.

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