

Airflex® High Energy Ventilated Constricting Clutch



The 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.



High energy upgrade

The High Energy Ventilated Constricting (HEVC) clutch, featuring industry-leading energy capacity, delivers the durability and reliability needed in the toughest clutch applications.

The Airflex HEVC uses metallic friction lining to maximize and maintain torque at high temperatures, while extending slip times to improve efficiency and protect high-dollar driveline components.

With a torque increase of 25% more than standard VC products, it is possible to downsize the clutch, while the extended slip time yields a reduction in peak energy usage during grinding mill startup - both decreasing overall operating and maintenance costs.

Benefits

- 25% higher torque than standard VC product
- Increased start times – over 10 seconds at highest energy
- Low friction wear for longer clutch life
- Sustained torque at high temperatures
- Upgrade kits available, kits include drums
- Fits in the same envelope as the standard VC

Size	Dynamic Torque @ 75 psi [Torque Units = lb-in]		Max RPM	Overall width (inch)	Outside diameter (inch)
	Std. VC	High Energy VC			
DW28HEVC1000	592,000	758,000	1100	24.08	38.000
DW51HEVC1600	3,220,000	4,122,000	550	37.61	67.000
DW60HEVC1600	4,366,000	5,588,000	520	38.17	77.00
DW66HEVC1600	5,600,000	7,168,000	480	37.78	82.123
DW76HEVC1600	7,300,000	9,344,000	416	37.88	92.123
DW76HEVC2000	9,300,000	11,904,000	275	45.88	92.123

1. Dynamic torque calculated and shown at 75 psi and zero RPM; static torque is approximately 6% lower
2. Torque in each application is dependent upon air pressure and speed
3. Contact Airflex Applications Engineering at AirflexAE@Danfoss.com to analyze the benefits to your system

If you're ready to increase uptime, extend the life of your equipment and reduce maintenance costs, visit Danfoss.com for more information.



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