



Product

CECON Clutch

Application

Power Plant Induced Draft Fan Drive

Highlights

- Completely enclosed and designed for high-speed, continuous-duty applications
- 2,000 lb.ft. torque rating
- 4,200 RPM max speed
- Sealed self-circulating and self-filtering lubrication
- Precision-machined roller pockets

A major midwestern university needed a replacement clutch solution for the fan drive on a coal-fired boiler located in the school's utility plant. The induced draft fan maintains the boiler's system pressure slightly below atmospheric pressure to draw out and move the flue gases to the chimney.

The existing fan drive used an obsolete clutch coupling design that had reached the end of its useful life. It would be too costly to rebuild the unit, plus a different 200 hp AC drive motor was installed that required other changes. Ultimately, the facility manager decided to upgrade to newer clutch technology.

After working with a distribution partner to thoroughly review the customer's fan drive configuration, Marland supplied a CECON 2M clutch with a 2,000 lb.ft. torque rating and a max speed of 4,200 RPM to meet the application requirements.

CECON clutches are completely enclosed and designed for high-speed, continuous-duty applications in unprotected, adverse environments. Lubrication is self-contained in the sealed housing and provides self-circulation and self-filtering through stainless steel filter strainers.

All CECON models feature SAE 52100 alloy steel rollers, energized springs that ensure positive engagement and an aluminum alloy cage with precision-machined roller pockets which provide controlled spacing and load sharing.

US (Application Assistance)
1-800-216-3515
marland.com

Europe
+49 (0) 6221 30 47 0

For a complete list of our
global sales offices visit:
altramotion.com/contactus