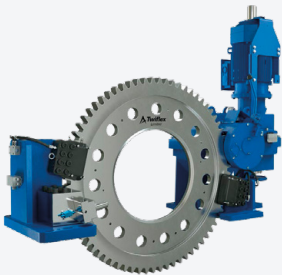


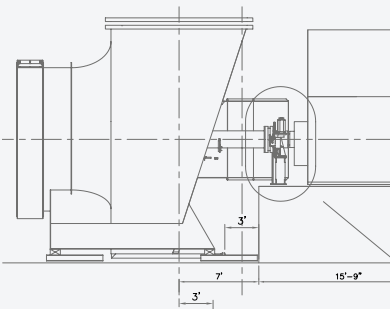
# Turning Gear provides easy and safe rotation of fans during shutdowns



Turning Gear with variable speed drive and brake



Turning Gear is mounted on the coupling



**Howden's Turning Gear is a safe, simple and fast solution for rotating large axial fans during extended shutdown and maintenance and it also keeps your personnel safe when they are rotating the fan rotor during long-term shutdowns and maintenance.**

## Current situation

With the current operational situation in the power market, units are being idled or are running in single fan operation for extended periods of time.

A number of utilities have experienced problems with fans that have idled for extended periods, and they face the dilemma of how to ensure their fans are available when called upon after they have been shut down for extended periods.

During extended shutdown periods or maintenance outages the fans must be rotated. The fan must be tagged out of service, the access doors opened and the confined space tested. Once complete, the personnel can enter the fan and push on the rotor assembly to turn the fan rotors as required.

This is a potential risk for personnel and a situation which should be avoided as safety is essential to all and the elimination of personnel hazards is a primary focus.



### Howden solution

Turning Gear is a safer, simpler and faster solution. It is a low-power, high torque drive that allows the operator to control fan rotor rotation via a variable frequency drive control. They are designed and engineered for maximum safety and easy operation.

### Benefits

- Solution to safety issues with personnel manually rotating complete fan/motor rotor
- Provides safe, fast and controlled rotation of rotor
- Eliminates confined entry procedures for slow controlled fan rotation
- Can be used during maintenance outages

### Turning Gear features

- Variable speed drive
- Brake
- Pendant control with an extension cable
- Positive locking device

**For further information get in touch with our team today:**

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