



A BREATH OF FRESH AIR

Air System Upgrades for Cat® Electric Rope Shovels

In response to customer feedback, we've implemented a new air system for all Cat® Electric Rope Shovels, focused on improving performance and machine uptime.

The new system offers greater capacity, larger air dryers, more robust valves and a new air filter to help keep your shovel hard at work. We've also developed optional upgrades to further enhance the system for sites looking to further optimize machine uptime—and to meet challenging site-specific conditions.

This system features a dual-tank design that allows the system to respond to large, unexpected spikes in demand to keep the machine from shutting down due to low air pressure faults. The dry tank serves as the main storage volume, while a wet tank provides radiant cooling, as well as added storage. The wet tank automated drain valve also helps remove moisture to keep the system running smoothly. The dry tank has a manual valve to drain pressure from the system for maintenance.

This system will be standard on all new Cat Electric Rope Shovels starting in 2025, and is currently available as a retrofit for machines already working in the field.

STANDARD FEATURES

- » A single, 30 hp air compressor offers greater capacity than the previous system to help meet increased demand
- » Larger capacity air dryers help remove moisture to keep air lines from freezing in cold weather
- » A moisture separator added after the compressor helps remove even more moisture from the system
- » The new air filter is equipped with a differential pressure indicator that alerts you when it's time to replace it
- » More robust, zero-air-loss drain valves on the wet tank help ensure system reliability

COLD WEATHER PACKAGE

This optional attachment is designed for mines where temperatures routinely dip below freezing. It features a new Dew Point transmitter that monitors performance to ensure the air dryer is meeting the required pressure to keep your system from freezing. Heaters for the upgraded air dryer and drain valves ensure reliable operation in temperatures as low as -40° C.

BACKUP COMPRESSOR OPTION

The new air system can be equipped with a backup air compressor that turns on if the primary compressor shuts down or fails—so your machine can keep running until maintenance can be performed without a dramatic impact on your site's productivity.