CAT® 794 AC

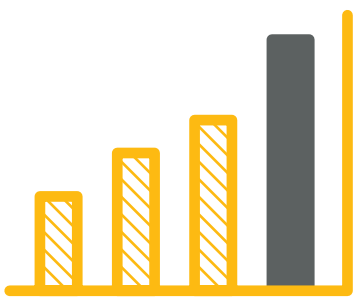
7 WAYS THE CAT® 794 AC MINING TRUCK BEATS THE COMPETITION

On mine sites around the world, 320-ton haul trucks with electric drive have become the go-to haulage option. With the introduction of the Cat 794 AC, more and more mines are discovering its advantages over existing 320-ton trucks. As these mines replace aging fleets with Cat 794 ACs, they're seeing substantial improvements in truck performance and cost per ton— without having to adjust their operations to a different sized truck or a different drive system. **Here are seven ways the Cat 794 AC outperforms the most popular competitor in the 320-ton electric drive truck class.**

100% "ANYTIME" BRAKING

With ample cooling, the four corner wet disc brakes can be utilized anytime. That gives greater operator confidence and delivers longer component life.

With 308,647 lb (140,000 kg) of stall torque vs. 260,145 lb (118,000 kg), the Cat 794 AC delivers better performance in soft underfoot conditions. That can add up to faster cycle times, especially when pulling away from a loading tool on soft ground.



19% HIGHER STALL TORQUE

40% MORE RETARDING POWER

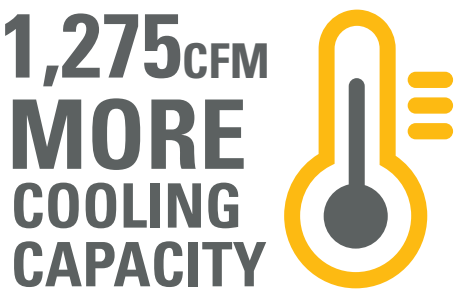
The Cat 794 AC has more retarding capability, with 5480 hp (4086 kw) continuous retarding power, compared with the competitor's 3900 hp (2909 kw) short-term retarding, giving operators much more confidence on steep downhill hauls.

The Cat 794 AC is a true 320 ton (290 tonne) truck. When both the Cat and competitive trucks are configured the same way, the competitive machine measures considerably higher than its specified weight, resulting in a reduction in payload or a decrease in cycle times.

UP TO .6MPH FASTER SPEED ON GRADE

In real-world trials, properly-loaded Cat 794 ACs consistently demonstrated a .6 mph (.97 kph) advantage on an 11% grade due to the competitive machine's higher field weights and other factors. If you have an uphill haul, that can add up to a significant production advantage.

The Cat 794 AC features a variable speed hydraulic blower motor vs. the competitor's direct drive motor. With almost 8% more cooling capacity, the 794 AC delivers optimum cooling even at idle, which helps key electrical components last longer, reducing total owning and operating costs.



1,275CFM MORE COOLING CAPACITY

MAINTENANCE

Small details make a big difference in serviceability. To cite just one example, the Cat 794 AC grid is powered by a brushless AC motor that requires no regular maintenance. The competitive machine uses a DC motor that requires two hours of maintenance to change the brushes.

RUN THE NUMBERS

Want to see more information on the Cat 794 AC Mining Truck?
Click here for all the details.