

RCV500 Fully-Variable Fan Drive



Precision cooling for high horsepower (HHP) diesel applications including mining trucks and power generators.

■ Increased fuel efficiency and productivity

- Variable-speed operation modulates fan speed to precise cooling needs
- More usable horsepower
- Quicker engine and hydraulic system warm up in cold temps
- Up to 8% fuel savings compared to direct drive

■ Maximum uptime and optimal engine temperature

- Improves aftertreatment performance and eliminates overcooling issues like frozen crankcase breathers and fuel dilution in engine oil

■ Less noise and low off speed

- Aids in meeting noise regulation and reduces need for expensive sound attenuation
- Greater operator comfort

■ Durable and robust design

- Does not require engine oil
- Engineered to withstand harsh environments and temperatures



Specifications	Minimum (Typ.)	Maximum (Typ.)
Torque	250 Nm [2,212 in-lbs.]	500 Nm [4,425 in-lbs.]
Fan Diameter	1,092 mm [43 in.]	1,524 mm [60 in.]
Engine Horsepower	500 kW [671 bhp]	895 kW [1,200 bhp]

ENGINEERED FOR:



Additional Product Benefits

- Optimized magnetic design speeds reaction time, increases modulation and cooling
- Hub bearing supports only belt loads, which decreases bearing load and increases product life
- Belt-driven and air-cooled design, without the necessity of engine oil lines, makes it economical to install and maintain
- Lowers fan speed so more horsepower is available for the vehicle, increasing productivity, speed and acceleration
- During initial start up, fan clutch reduces system inertia resulting in faster start up/acceleration of the engine

Frequently Bought Together

HTEC™ 1800 Fan

Horton's innovative HTEC 1800 fan is designed for a broad range of applications and operating conditions. Designed to provide increased airflow and optimal cooling, it will provide your application with the performance you require with the benefits of a strong, durable, composite structure that does not corrode.



Di+™ Controller

Integrated speed sensor works with the ECU or with an optional Di+ controller to protect the equipment by ensuring all systems (engine temp, transmission temp, hydraulic fluid temp, etc.) are appropriately cooled.



Improve fuel efficiency, productivity and reduce noise in a variety of off-road applications.

The RCV 500 fully-variable fan drive cools only as necessary, thereby reducing engine load to enhance digging, lifting, moving, turning and dumping while minimizing noise output.



Committed to Your Ideal Airflow Solution

Horton® is the premium provider of engine cooling solutions worldwide. Our culture of innovation delivers high-performance products that last and services that help you meet your commitments. Trust Horton to help your products last longer, run quieter and consume less fuel.

Horton is IATF 16949, ISO 14001 and ISO 9001 certified.