



Two-Speed Fan Drive

DriveMaster®



Finally there is a better, more efficient alternative for cooling on- and off-highway vehicles without ram air. Only from Horton—a world leader in fan drive technology—the DriveMaster Two-Speed Fan Drive alternates between eddy current and spring actuated cooling for precise, highly-efficient temperature control and reduced operating noise levels.

High performance. Exceptional efficiency.

Under most operating conditions, the DriveMaster Two-Speed Fan Drive is powered by eddy current. This turns the fan at a lower speed, which reduces operating noise, increases available horsepower for auxillary systems and minimizes radiator abrasion from dust and debris. When additional cooling is needed, the DriveMaster Two-Speed spring actuates and runs the fan at full input speed.

By supplying additional engine cooling only when it's needed, the DriveMaster Two-Speed delivers superior horsepower performance.

Less noise. More power. Increased efficiency. Upgrade your vehicles' performance today by specifying the DriveMaster Two-Speed Fan Drive.

Cooling Solution:

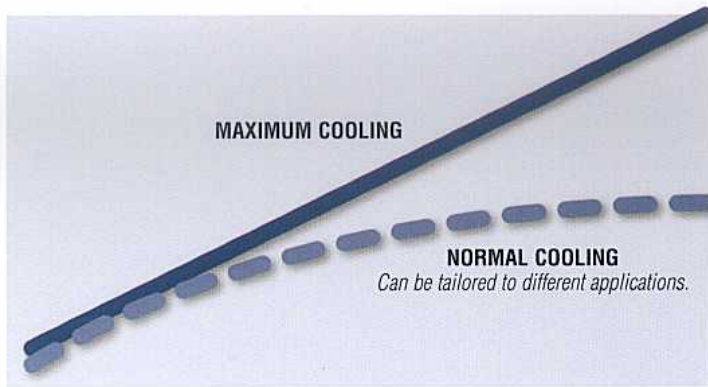
DriveMaster Two-Speed Fan Drive. A quieter, more efficient design for today's demanding on- and off-highway diesel engines. Another superior cooling solution from the Horton climate of innovation.



Engine **Cooling Solutions** Worldwide®

HORTON

FAN RPM



MAXIMUM COOLING

NORMAL COOLING

Can be tailored to different applications.

ENGINE RPM

DriveMaster Two-Speed Fan Drive switches between eddy current (low speed) and spring operation (high speed).

DriveMaster® Two-Speed Specifications

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Actuation | Eddy current at low speed with spring lock-up |
| Horsepower range | Diesel engines up to 550 HP [410 kw] <i>Contact Horton engineering for applications above this horsepower range.</i> |
| Fan blade capacity (diameter) | Application specific |
| Air pressure requirements | Minimum 90 psi [620.5 KPa] |

Superior Performance

INSIDE INFORMATION



Horton Solution

Your Benefit

Two-speed design

- Higher torque for larger fans and higher ratios
- Up to 50% less noise
- Precise temperature control; ideal for vehicles with little or no ram air
- Superior operating efficiency and performance
- Quicker response to cooling needs
- More available power to haul up steep inclines
- Improved fuel efficiency
- Less wear and maintenance; higher reliability
- Less radiator abrasion from dust and debris
- Faster engine warm-ups in cold weather

Applications

With precise temperature control, the DriveMaster Two-Speed Fan Drive is ideal for cooling medium-duty trucks, buses, severe service vehicles, rear-engine cement mixers and other on- and off-highway equipment.

Choose the leader.

Horton is the leader in reliability, service and innovation. Our comprehensive research and development processes are dedicated to exceed the demands of reduced emission engines worldwide. We're driven to meet your needs today and in the future.



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