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A Climate of **DURABILITY**



DM Advantage™ **On/Off and Two-Speed** **Fan Drives**

The advantage is yours with the best, proven solution for the highest-heat under-hood conditions. DM Advantage Fan Drives keep engine coolant at optimum temperature, provide better engine performance, save fuel and reduce operating noise. Constructed using durable, advanced components, the DM Advantage is backed by Horton's 2009 3-year/349,804-mile limited warranty program for on-highway vehicles only.



Engine **Cooling Solutions** Worldwide®

HORTON®

DM Advantage™

DM Advantage On/Off Fan Drives

- Flawless performance in 71 million accumulated miles of field tests performed on over 340 trucks.*
- Premium bearing technology successfully reduces predicted wear-out rate at 200,000 miles by 67 percent.
- Air cartridge with advanced seal provides 40 percent longer life.
- Long-wearing friction liner for added reliability and reduced maintenance.
- Lighter with higher torque for turning larger fans.
- Fail-safe design and low parts count for simplicity.
- Spring-engaged and air-disengaged for maximum efficiency.

DM Advantage Two-Speed Fan Drives

- Alternates between eddy current and spring-actuated cooling.
- Eddy current turns the fan at lower speeds, reducing operating noise, increasing available horsepower for auxiliary systems and minimizing radiator abrasion from dust and debris.
- When additional cooling is needed, the fan drive spring-actuates, running the fan at full input speed.
- Reduced fan cycling increases friction liner life and improves fuel economy.
- Better engine temperature control for vehicles with little to no ram air.

Premium Bearing vs. Deep Groove Hub Bearing

DM Advantage Bearing

- 14 rolling elements per row
- Highest load capacity
- High contact angle – withstands more thrust load
- Dual-lip Viton® seals
- Highly heat-resistant grease
- Size:
45 mm ID x 85 mm OD x 39 mm length



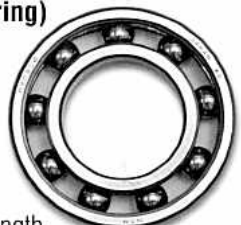
Previous Technology

- Deep groove bearings (2 needed)
- 10 rolling elements per row
- Preloaded to increase stiffness
- Dual-lip Viton seals
- Size:
45 mm ID x 85 mm OD x 19 mm length



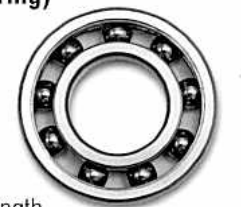
Competitive Rear (Current Hub Bearing)

- Deep groove bearings
- 9 rolling elements per row
- Low load capacity
- Not preloaded
- Size:
45 mm ID x 85 mm OD x 19 mm length



Competitive Front (Current Hub Bearing)

- Deep groove bearings
- 9 rolling elements
- Not preloaded
- Lowest load capacity
- Size:
35 mm ID x 72 mm OD x 17 mm length



* Field test data as of 1/19/09.

Engine **Cooling Solutions** Worldwide®



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