DM Advantage® On/Off, Two-Speed and Reman Fan Drives

The advantage is yours with the best, proven solution for the highest-heat under-hood applications. Whether you choose the on/off, two-speed or reman model, Horton's latest innovations assure you of maximum reliability and long-life performance. Hundreds of thousands of OEM-installed DM Advantage Fan Drives have performed flawlessly in the highest-heat under hood applications. Featuring superior components, both DM Advantage models contain a premium sheave bearing, a long-wearing air cartridge and friction liner for added reliability and reduced maintenance. DM Advantage On/Off Fan Drives are backed by Horton's superior warranty program. DM Advantage Fan Drives offer high-performance, efficient engine cooling for heavy- and medium-duty trucks, buses and off-highway equipment.

- Longer operating life
- Fuel savings
- Reduced noise
- Better engine performance
- Engine coolant temperatures kept at optimum operating efficiency
- Increased reliability in high-horsepower applications
- Easy to install and maintain

DM Advantage Reman Fan Drives

Rigorously tested, DM Advantage Reman Fan Drives are rebuilt to the same specifications as the newest models. Obsolete and damaged parts are always replaced so that quality is never an issue. That means you get the latest technology and our rock-solid warranty at an economical price.

ENGINEERED FOR:

DM Advantage® On/Off, Two-Speed and Reman Fan Drives

DM Advantage On/Off Fan Drives

Horton's DM Advantage On/Off Fan Drives are spring-engaged and air-disengaged for maximum efficiency. They are lighter, have high torque for turning larger fans, a fail-safe design and a low parts count for simplicity.

DM Advantage On/Off Fan Drive Specifications	
Actuation	Spring-engaged, air disengaged
Minimum air pressure to disengage	620.5 kPa [90 PSI]
Out-of-box torque	271 N-m [2400 In.-lbs.]
Friction disc diameter	200.6 mm [7.9 in.]
Fan blade capacity (diameter)	813 mm (32 in.)
Engine horsepower range	186–447 kW [250–600 HP]
Friction liner wear limit, minimum thickness	5.76 mm [0.23 in.]

DM Advantage Two-Speed Fan Drives

The two-speed version alternates between eddy current and spring-actuated cooling. While using eddy current, it turns the fan at a lower speed, which reduces operating noise, increases available horsepower for auxiliary systems and minimizes radiator abrasion from dust and debris. It spring-actuates when more cooling is needed, running the fan at full input speed. It also provides faster engine warm-ups in cold weather. Two-speed fan drives are ideal for vehicles with little or no ram air.

DM Advantage Two-Speed Fan Drive Specifications	
Actuation	Eddy current at low speed with spring lock up
Air pressure requirements	Minimum 620.5 kPa [90 PSI]
Typical fan blade capacity	Application specific
Typical engine horsepower range	186–447 kW [250–600 HP]

Premium Bearing vs. Groove Hub Bearing

DM Advantage Bearing

- A double-row angular contact bearing (1 needed)
- 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 DI x 85 mm DE x 19 mm de longitud

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

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.

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