
Enhanced Fan Module for Light Truck and SUV Applications

Enhanced Fan Modules from BorgWarner Thermal Systems are ideal for applications where quiet operation and premier cooling performance are the goal. The module is engineered to provide optimal air flow results by integrating a high-efficiency ring fan with an enhanced-design viscous fan drive. The lightweight EFM is available in three sizes to suit a variety of engine performance requirements, while the modular design accommodates packaging constraints.

BorgWarner Thermal Systems Enhanced Fan Modules integrate two engine cooling components for an optimized design.



BorgWarner Thermal Systems is a single point of contact for cooling system components for passenger car, SUV, light truck, medium-duty truck, heavy-duty truck, and off-highway applications. We work with original-equipment manufacturers around the world to provide a full range of direct-actuated Viscronic[®] fan drives, viscous fan drives, Kysor[™] on/off fan clutches, Cool Logic[™] heavy-duty multi-speed drives, polymer fans, and shutters.

cool
MODULES

Enhanced Fan Module

for Light Truck and SUV Applications

Features and Benefits

- | | |
|---|---|
| <ul style="list-style-type: none"> • Weighs less – up to 1.5 lbs lighter than previous design cooling solutions • Improved efficiency – swept-forward blade design and outer ring combine for more than a 20% efficiency improvement over equivalent-sized fans • Cost effective module – two engine cooling components optimized with integrated design to provide more air flow • Quieter – significantly reduces start up noise generated by engaged fan drive | <ul style="list-style-type: none"> • Improved slip heat capacity – enables the fan drive to remove 23% more heat and therefore provide optimum performance and durability in applications with ever-increasing engine speeds • Production value – fan design has an aerodynamic blade shape with reliable, easy-to-fit geometry • No maintenance – self-contained unit, nothing to service or maintain |
|---|---|

| EFM Series | Viscous Fan Drive | | | Ring Fan Pilot | Bolt Circle |
|------------|---------------------|--------------------|---------------------------|----------------|--------------------|
| | Diameter | Axial Length | Diameter | | |
| 4* | 6.01 in 152.7 mm | 2.36 in 59.9 mm | 16 – 20 in 410– 508 mm | 96.4 mm | 3 holes @ 115.4 |
| 7* | 6.59 in 167.3 mm | 2.36 in 59.9 mm | 20 in 510 mm | 111 mm | 3 holes @ 130 |
| 9* | 7 in 177.1 mm | 2.36 in 59.9 mm | 20 – 22 in 508-560 mm | 117 mm | 3 holes @ 136 |

*Number indicates the number of grooves in clutch plate that creates the torque that drives the fan.

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