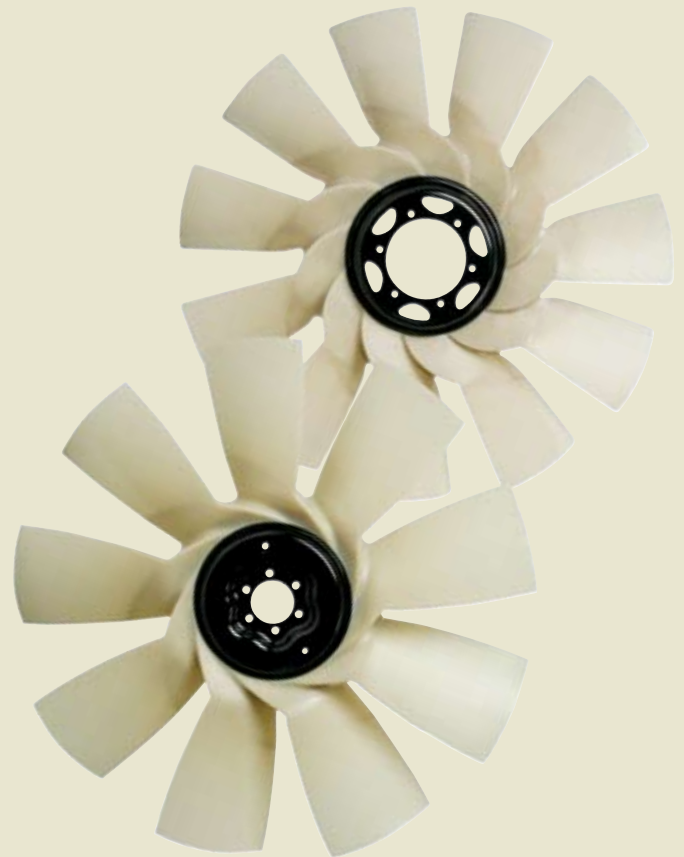


High-Efficiency X Series Fans for Commercial Vehicle & Off-Highway Applications

BorgWarner Thermal Systems fans set the standard for heavy-duty cooling. Now we've raised the bar again with the X Series Fans that meet today's need for more efficient heavy-duty truck engine cooling performance.

The X Series Fans comply with the North American emissions standard requirements while at the same time optimizing cooling performance. New features include improved aerodynamics and durability while keeping the same light-weight package size design.

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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.

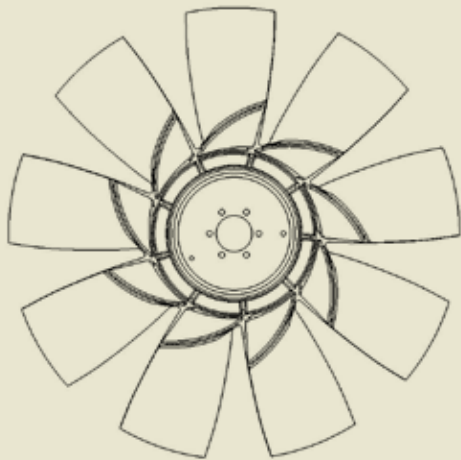
cool
FANS

High-Efficiency X Series Fans for Commercial Vehicle & Off-Highway Applications

Features	Advantages	Benefits
Aerodynamic and hubless blade design	8% increase in airflow, with a 7% increase in efficiency	Engine temperature decrease by 4°F
	Meets EPA US07 cooling performance requirements	Assures reliability and durability for demanding cooling requirements
Axial length	Easy-to-fit geometry with no increase in axial length from previous design	Increased cooling performance for same package size
Light weight	No increase in weight from previous design	Increased cooling performance for same light-weight construction



Front



Back



Cross Section



Side View

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**BorgWarner
Thermal Systems**