



# EVERY™ ADVANTAGE. ISM For 2007

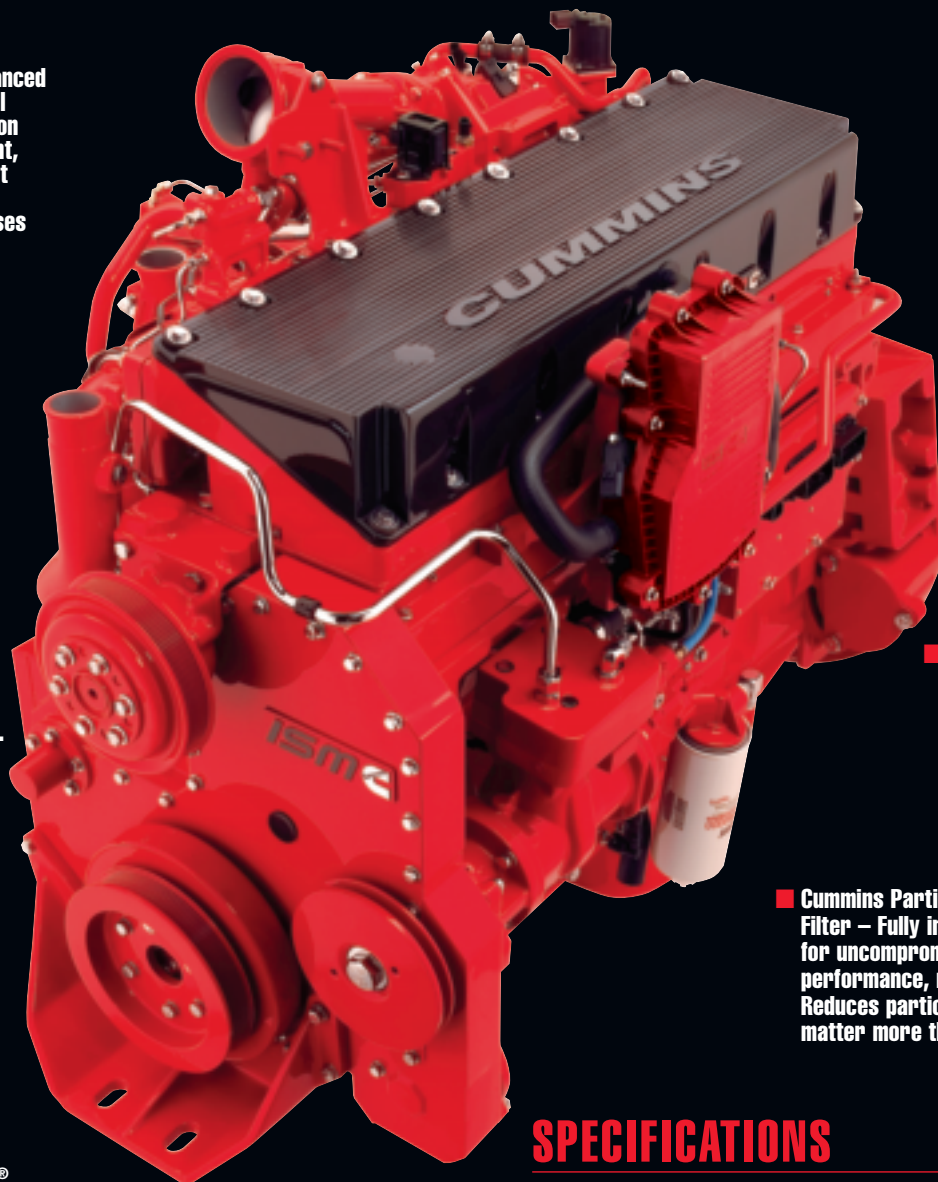
■ **Variable Geometry Turbocharger** – Enhanced response and control with electric actuation for infinite adjustment, providing exact boost for any rpm. Sliding-nozzle design increases reliability, durability.

■ **Patented Mid-Stop Cylinder Liners** – Robust design allows for variations in coolant chemistry.

■ **High-Pressure Fuel Injection System** – For cleaner, more complete combustion.

■ **C Brake™ by Jacobs®** – Designed specifically for the ISM, it produces up to 345 braking horsepower.

■ **Low Maintenance** – Advanced Fleetguard® ES System™ for extended service intervals. Drive up to 35,000 miles (56,000 km) between oil drains and filter changes in light-duty applications. 25,000 miles (40,000 km) in normal use.



■ **Fully Integrated Electronic Controls** – A single ECM controls engine and aftertreatment. Also coordinates interaction with transmission, ABS, engine brake, cooling fan and more.

■ **Cooled Exhaust Gas Recirculation** – Lowers combustion temperatures for reduced emissions and optimized mpg.

■ **Crankcase Ventilation System** – Fleetguard® coalescing filter only needs replacement every 3-4 oil changes.

■ **Cummins Particulate Filter** – Fully integrated for uncompromising performance, reliability. Reduces particulate matter more than 90%.

## SPECIFICATIONS

Advertised Horsepower	280-410 hp	209-306 kW
Peak Torque	1150-1550 lb-ft	1559-2101 N•m
Governed Speed	2100 rpm	
Clutch Engagement Torque	700 lb-ft	949 N•m
Number of Cylinders	6	
Oil System Capacity	10.2 U.S. gallons	38.6 liters
System Weight	2,268 lb	1,028 kg
Engine (Dry)	2,206 lb	1,000 kg
Aftertreatment*	62 lb	28 kg

\*Increase over standard muffler



## Cummins ISM. Every Challenge. Met.

Cummins is meeting the 2007 emissions standards with a totally integrated system from air intake to exhaust. It includes our proven cooled-EGR subsystem, an electrically actuated VG Turbo, a proprietary Cummins Particulate Filter and a crankcase ventilation system with a Fleetguard® coalescing filter — all managed by a single Electronic Control Module (ECM). It all was designed and manufactured by Cummins to work as a single unit, delivering optimum performance with a minimum of maintenance.

## Proven Performance.

Cummins ISM has one of the highest power-to-weight ratios of any engine of comparable displacement. Combined with an advanced fuel injection system and the patented Holset Variable Geometry Turbo, this results in superior performance over every terrain, in any weather condition.

## Every Adjustment. Exact.

The patented Holset VG Turbo continuously adjusts airflow to reduce turbo lag, improve transient response and increase vehicle performance. Its design has been enhanced with electric actuation for faster response. Because our VG Turbo has only one moving part in the hot exhaust stream, it is more reliable and durable than competitive turbos.

## Every MPG. Optimized.

Even with added emissions controls, the ISM will retain its leadership with comparable fuel economy to EPA '02-compliant and certified products. Several engine features are available to help you improve mpg further, including Load-Based Speed Control, Gear-Down Protection, idle management and SmartTorque ratings that deliver extra torque in the top two gears.

## ISM Maintenance Intervals.

DUTY CYCLE*	LIGHT DUTY	NORMAL DUTY	SEVERE DUTY
Oil and Filter	35,000 mi 56,000 km	25,000 mi 40,000 km	15,000 mi 24,000 km
Fuel Filter	15,000 mi 24,000 km	15,000 mi 24,000 km	15,000 mi 24,000 km
Coolant Filter**	50,000 mi 80,000 km	50,000 mi 80,000 km	50,000 mi 80,000 km
Valve Adjustment	120,000 mi 192,000 km	120,000 mi 192,000 km	120,000 mi 192,000 km
Coalescing Filter	Every 3rd to 4th Oil Change		
Particulate Filter	200,000-400,000 mi (320,000-640,000 km)		

\*Light Duty = >6.7 mpg, Normal Duty = 5.5-6.7 mpg, Severe Duty = <5.5 mpg  
\*\*With appropriate filter

The Cummins Particulate Filter is designed to last the life of your engine. Regeneration is fully automated and controlled by the ECM.

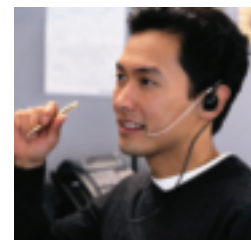


## Service You Trust. Every Time.

Cummins has the largest network of service providers with over 3,500 locations in North America. And we're the only manufacturer to offer Cummins QuickServe® with same-day service for most repairs.

## Every Question. Answered.

For more details about Cummins ISM, see your local Cummins dealer or distributor, call 1-800-DIESELS (1-800-343-7357) or visit our web site at [everytime.cummins.com](http://everytime.cummins.com).



Cummins is a pioneer in product improvement. Thus, specifications may change without notice. Illustrations may include optional equipment.

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