

UNLEASH THE POWER



THE NEW AGCO 8.4 LITER ENGINE

EXCLUSIVE CYLINDER LINERS WITH MIDDLE SUPPORT

The two mid-cylinder liner supports and three lower sealing rings reduce cylinder vibrations, which eliminates cavitation issues and lowers piston ring and liner wear. The end result? Reduced oil consumption and improved emissions. This exclusive design also directs the main coolant flow to the hot upper part of the liner for more effective cooling where it's required the most.

SOLIDLY BUILT

AGCO engines are constructed using single-piece, cast-iron blocks. And to ensure optimum quality, each one is assembled by one person, who actually signs off on each unit built by recording their name on the side plate.

2 HEADS, 4 VALVES PER CYLINDER

There are two rocker arms per cylinder, and an injector in the center position with 8 holes for improved gas flow to reduce thermal loads. The ideal combustion is achieved by using the latest cross flow design with precision cast inlet channels and combustion chambers.

POWER AND PERFORMANCE TO SPARE

Heavy crop? Uphill with a full load? Not a problem. Here's an engine designed specifically for the kind of work you need it to do, built from the ground up with rugged off-road applications in mind.

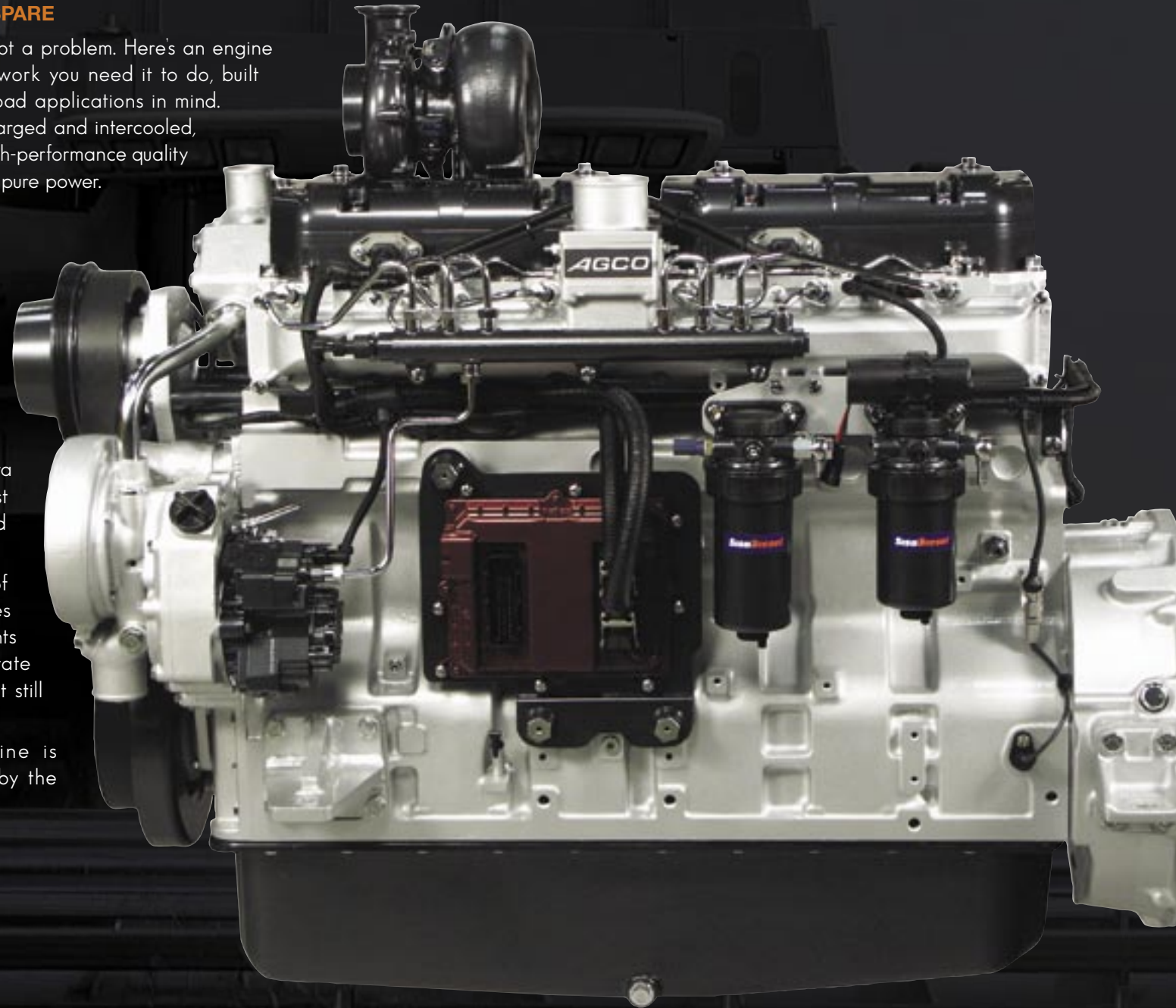
The AGCO 8.4 liter engine is turbocharged and intercooled, delivering advanced technology and high-performance quality with 6 cylinders and 513 cubic inches of pure power.

CLEANER DESIGN, QUIETER OPERATION, BETTER RELIABILITY

In other words, this engine never lets you down. It supplies 300 (Model R65) and 350 (Model R75) horsepower @ 2100 rpms, with a power boost of 30HP @ 1900 rpms. So, when your conditions demand extra horsepower, depend on that extra power to get you through the toughest crop conditions, or whenever you need it most.

These engines follow the tradition of the most rugged, fuel efficient engines designed to meet the specific requirements of agriculture. AGCO engines operate at lower rates of fuel consumption, but still comply with Tier III emissions standards.

And, as always, the AGCO engine is completely serviced and supported by the GLEANER dealer network.



WELL-POSITIONED CYLINDER HEAD BOLTS

They're located where the strength is needed most... in a circle around the top of each cylinder.

EQUALITY FOR ALL CONNECTING RODS

For smooth running and long life, the connecting rods of each engine are individually balanced.

ELECTRONIC ENGINE MANAGEMENT (EEM3) SYSTEM

EEM3 not only provides a faster response to changing engine loads, but the system also adds to the functionality of the combine.

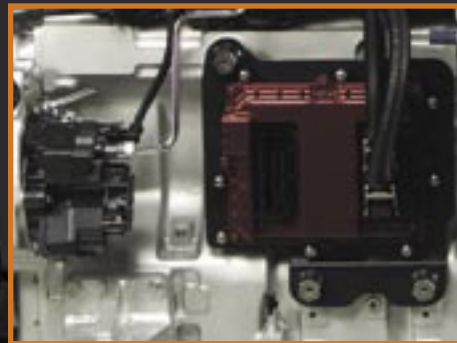
EEM3 allows continuous adjustment of the amount and timing of fuel injected, in relation to engine speed and load. The result is more power, lower emissions, and improved fuel economy.

HIGH PRESSURE PUMP

EEM3 also controls the fuel-lubricated 3-cylinder radial plunger pump and features a 20,000 psi high pressure common rail injection system.



24-valve head design for improved air-to-fuel mix, reducing emissions and improving fuel consumption.



EEM3 System allows continuous adjustment of the amount and timing of fuel injected, more than 100 times per second.



EEM3 also controls the fuel lubricated 3-cylinder radial plunger pump, and features a 20,000 psi high-pressure, common rail injection system.



Exclusive dual mid-cylinder liner supports reduce liner vibration and practically eliminate cavitation corrosion.

The AGCO Tier III engines are B5 biodiesel compatible.

	MODEL R65 GLEANER COMBINE	MODEL R75 GLEANER COMBINE
Model	AGCO 8.4 liter	AGCO 8.4 liter
Engine type	84 CTA (Tier III)	84 CTA (Tier III)
Number of cylinders	6	6
Displacement	8.4 liters / 513 in ³	8.4 liters / 513 in ³
Rated HP @ 2,100 rpm	300	350
Max. HP with Power Boost at 1,900 rpm	330	380
Aspiration	Turbocharged & aftercooled	Turbocharged & aftercooled
Fuel system	Radial pump, common rail fuel injection, with EEM3 electronic engine management system	Radial pump, common rail fuel injection, with EEM3 electronic engine management system
Cylinder liner	Wet sleeve with 2 middle liner supports	Wet sleeve with 2 middle liner supports
Engine heater	Standard	Standard

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