

BUILT LIKE A HEAVY-DUTY ENGINE.
PERFORMS
LIKE AN INTERNATIONAL.

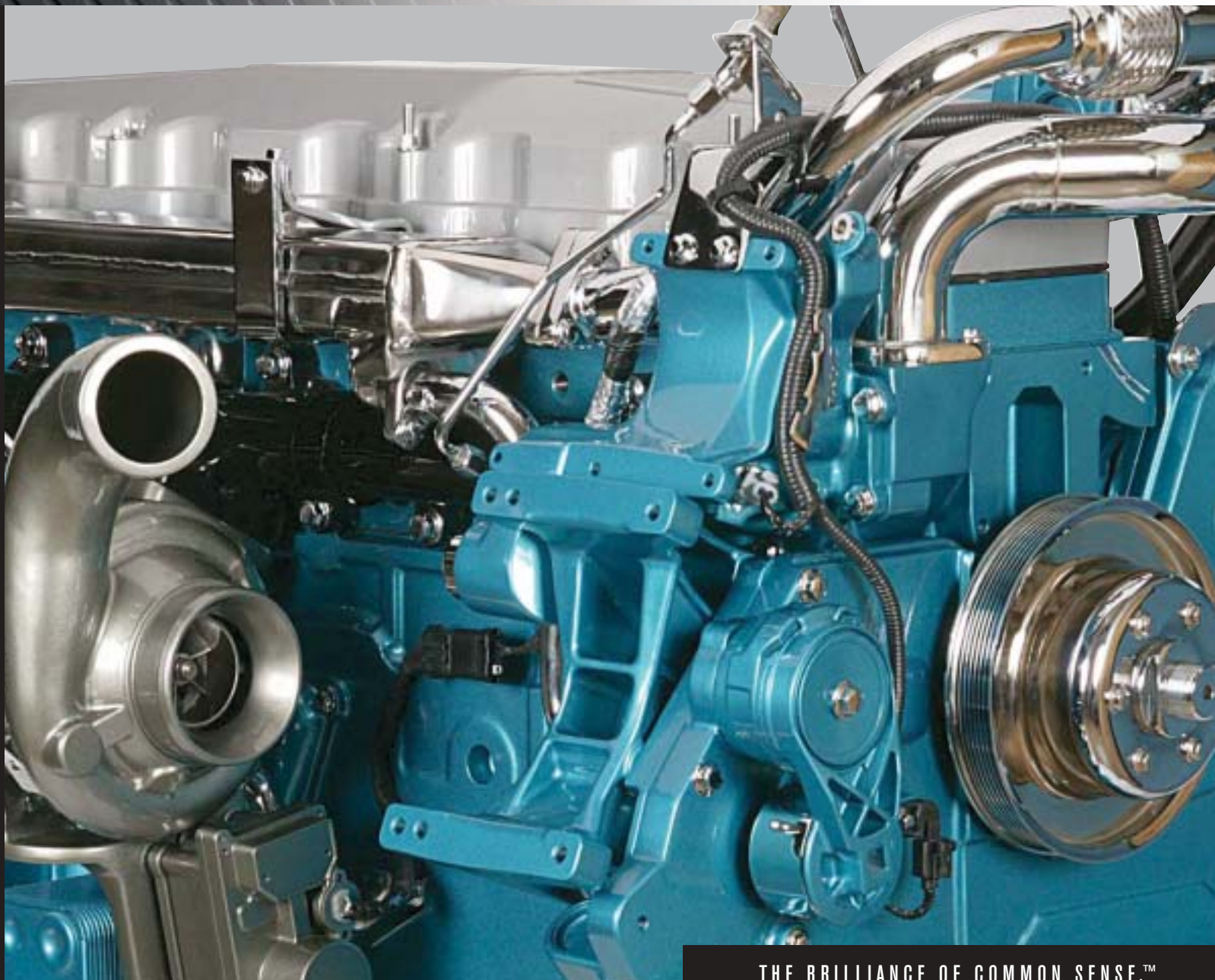


For severe service and regional-haul freight applications, you need an engine that delivers superior performance, unmatched reliability and durability, simplified routine maintenance and optimum fuel economy. And your engine must bring positive results to your bottom line.

The International® HT 570 is built with the kind of durability-enhancing features you'd expect in a heavy-duty big bore engine.

Proven wet-sleeve design. Titanium turbo wheel. Larger main bearings. A laddered, reinforced cylinder block. Long-life two-piece articulated pistons. And an optional engine brake that allows the International HT 570 to deliver as much braking horsepower as engine horsepower.

The International HT 570 delivers all this and more. In other words, heavy-duty performance - only better.



SERIOUS “WORKHORSEPOWER.”

Improved performance.

- The International® EVRT® electronically controlled turbocharger features adjustable vanes that optimize boost across the entire operating range – providing more responsive acceleration and peak power, and reducing turbo lag.
- The International® Electro-Hydraulic Generation Two (G2) fuel system is a common-rail design, with no high-pressure external lines driving digital valve injectors. The G2 system offers more precise timing control for optimized fuel delivery, meaning better fuel efficiency and reduced emissions. The system is also commercial jet “A”, JP-8 and bio-diesel (B-5) capable.

More reliable. More durable. More uptime.

- Longer engine life is achieved with durability-enhancing features like six bolts per cylinder on the cylinder head, titanium turbo wheel, two-piece articulated pistons, laddered cylinder block, pad-mounted accessories and roller cam followers that utilize roller bearings.
- Positive valve rotators ensure longer valve and valve seat life.
- Each piston’s targeted cooling jet delivers 30% better piston cooling with a simplified design for longer piston life.
- Integration with the International® Diamond Logic™ electrical system brings advanced diagnostics for quicker troubleshooting, faster repairs and increased uptime.
- Uptime is increased with a top-loaded fuel filter and water separator that provide easy access for quick filter changes.
- An optional electronically controlled integrated intake air heater for faster starts in cold weather.
- An optional powder-coated oil pan protects against harsh road salt and environmental conditions. This oil pan features dual drain plugs that allow dealer installation of an oil pan heater.
- Articulated steel crown pistons offer greater durability, enhanced performance and longer life.
- The advanced oil filtration system features a high-value centrifuge oil filter that comes standard on International® I-6 diesel engines at no additional cost. This premium filter increases the total filter capacity of the engine; extends engine, oil and filter life; improves fuel efficiency and achieves greater filter efficiency than a full-flow filter alone.



The in-chassis rebuildable wet-sleeve International® HT 570 features ratings from 295 to 340 hp and 950 to 1150 lb-ft of torque.

Preventive Maintenance Schedule

SERVICE	INTERVAL
Change engine oil & filter (32-qt [30.4 L] capacity)*	Up to 15,000 mi (24,140 km)/550 hrs/2,100 gallons (7,949 L) of fuel depending on duty cycle
Replace engine fuel filter	30,000 mi (48,280 km)/1,100 hrs
Replace antifreeze**	300,000 mi (482,800 km)/12,000 hrs/5 years

*Less than 7 mpg (2,100 gallons [7,949 L] of fuel). See operator’s manual.

**Add extender @ 150,000 mi (24,140 km)/6,000 hrs/2.5 yrs.

Better breathing. Higher efficiency.

- The variable displacement high-pressure oil pump provides enhanced fuel injection capability with improved efficiency.
- Twenty-four valves with enhanced crossflow head design provide more efficient in-cylinder airflow.
- Vertically centered injectors provide more efficient combustion.
- Cooled Exhaust Gas Recirculation (EGR) reduces oxides of nitrogen (NOx) to meet strict emissions standards.

Designed for minimal leaks.

- Potential leak paths have been reduced through integrated system design.
- Pipe thread ports and fittings have been replaced with SAE O-ring boss ports and fittings.
- The rear crank seal is integrated into the flywheel housing, reducing leak potential and increasing durability.
- A one-piece stacked-plate oil cooler provides improved capability and features a virtually leak-free design.

- Paper gaskets have been eliminated and replaced with premium no-compromise gasket polymers that are tailored to seal oil or water. Valve cover and oil pan gaskets are reusable.
- The high-pressure oil rail features a one-piece design that is located under the valve cover to minimize external plumbing and leaks.

Unmatched braking performance.

- The optional Diamond Logic™ exhaust brake is integrated into the EVRT turbocharger to provide electronically controlled braking without external braking devices. The exhaust brake provides up to 185 bhp on HT 570 engines.[†]
- The optional Diamond Logic™ engine brake provides the braking power of traditional mechanical engine brakes with significantly reduced noise levels. The engine brake provides up to 325 bhp on HT 570 engines.[†]
- Both brake systems integrate with cruise control to help keep the vehicle at desired speeds.

International HT 570 Specifications*

Engine Type	Diesel, 4-Cycle
Configuration	In-Line 6-Cylinder
Displacement	570 cu in (9.3 L)
Bore and Stroke	4.59 in x 5.75 in (116.5 mm x 146 mm)
Compression Ratio	17.14:1
Aspiration	EVRT Electronically Controlled Turbocharger, Air-to-Air Intercooled
Governed Speed Manual/Auto	2100 rpm/2200 rpm
Combustion System	Direct Injection
Cooling System Capacity (engine only)	13.5 U.S. qt (12.8 L)
Lubricating System Capacity	32 U.S. qt (30.3 L)
Total Engine Weight (dry)	1,560 lb (708 kg)
Dimensions	45.1" L x 34.4" W x 40.8" H (1146 mm x 874 mm x 1026 mm)

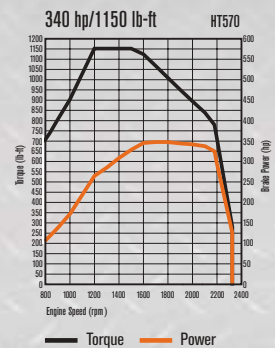
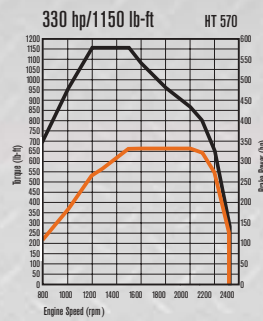
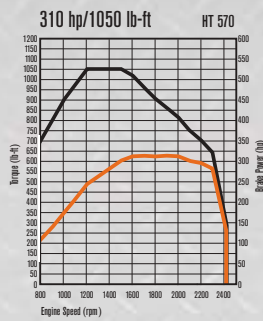
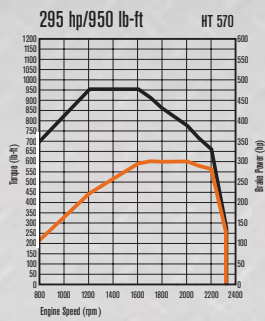
*Preliminary specifications are subject to change.

International HT 570 Performance Data

Horsepower (bhp)	Torque (lb-ft)	Gov. Spd. (rpm)	Clutch Engagement Torque @ 800 rpm
295*	950	2100	700
310*	1050	2100/2200	700
330*	1150	2100	700
340*	1150	2100	700

*Available Summer 2004

International HT 570 Performance Standard-Torque Ratings



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For more information on the International® HT 570, see your International® dealer or visit our web site at www.InternationalDelivers.com.

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