

INCREASE YOUR RPL.

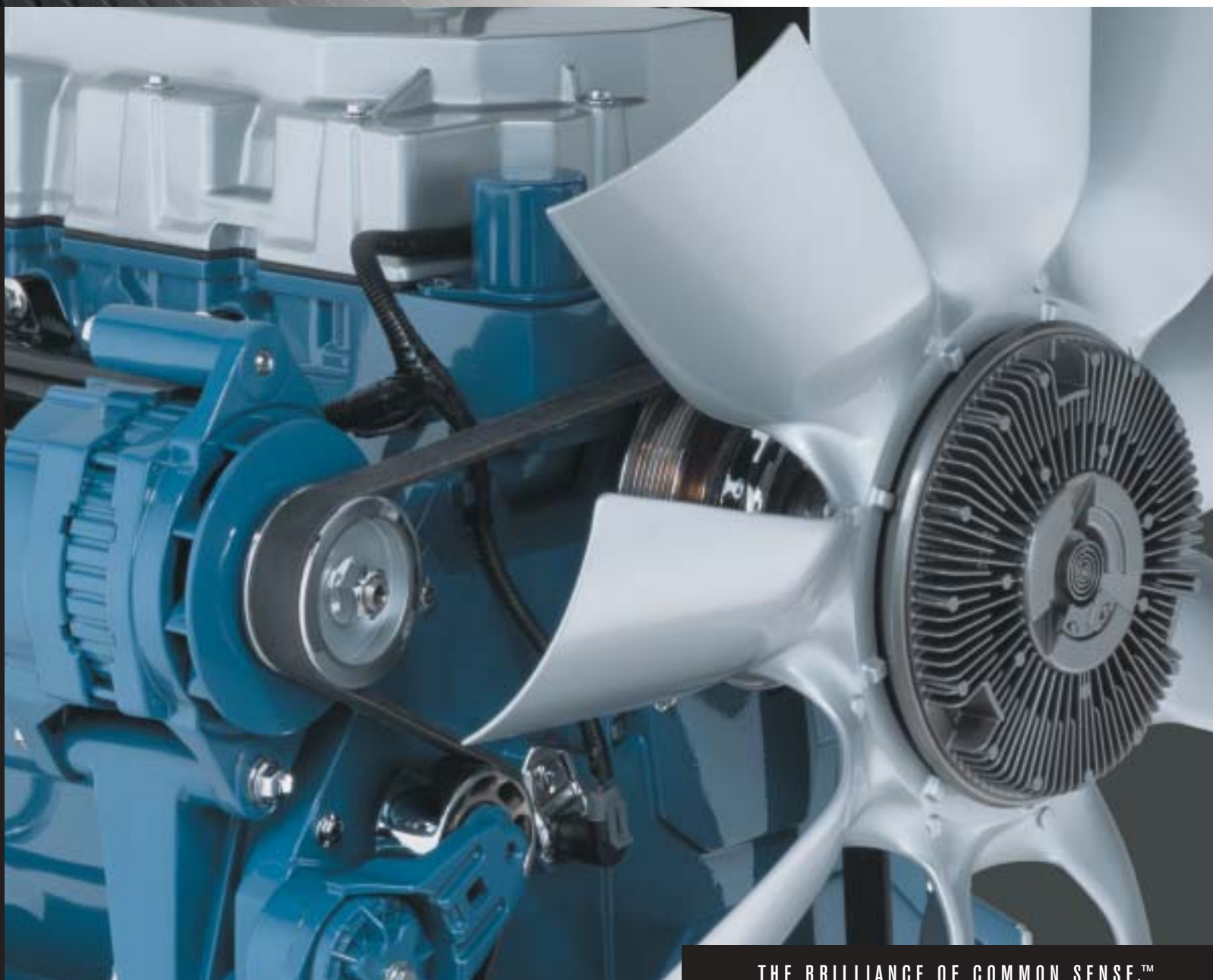
(REVENUE PER LOAD)



You can't talk about truck performance without talking about the engine. With the International® HT 530, there are plenty of high-performance features and innovations to keep the conversation going.

It begins with power and performance you'd expect from a big bore diesel engine with the added benefit of a high power-to-weight ratio. So you get bigger payloads.

Drivers appreciate load-moving torque, sure starts and quiet idling. Technicians enjoy the extended service intervals and ease of maintenance. Most of all, owners like the low cost of ownership, long-life durability and increased profit potential.



TURN YOUR BUSINESS INTO A WELL-OILED MACHINE.

The International HT 530 engine is designed for severe service and regional haul freight applications with heavy-duty ratings of up to 340 hp (254 kW) and 1150 lb-ft (1559 N-m) of torque.

The kind of response drivers respond to.

The EVRT™ electronically-controlled turbocharger provides superior response throughout the engine operating speed range. The broad power band with 700 lb-ft (949 N-m) clutch engagement torque gets the load moving and up to speed, reducing shifting for increased productivity.

The proven electro-hydraulic fuel system incorporates International Split-Shot™ injection for quicker starts, quieter idling and reduced emissions.

Drivetrain performance is maximized by Intuitive Shift™ transmission interface that matches transmission shift points with engine power curves for smoother operation with increased responsiveness, reliability and fuel economy.

Technology that serves technicians.

Uptime is increased with extended maintenance intervals up to the 15,000-mile (24,140 km) oil change interval. Standard extended-life coolant pushes change intervals to 300,000 miles (482,803 km).

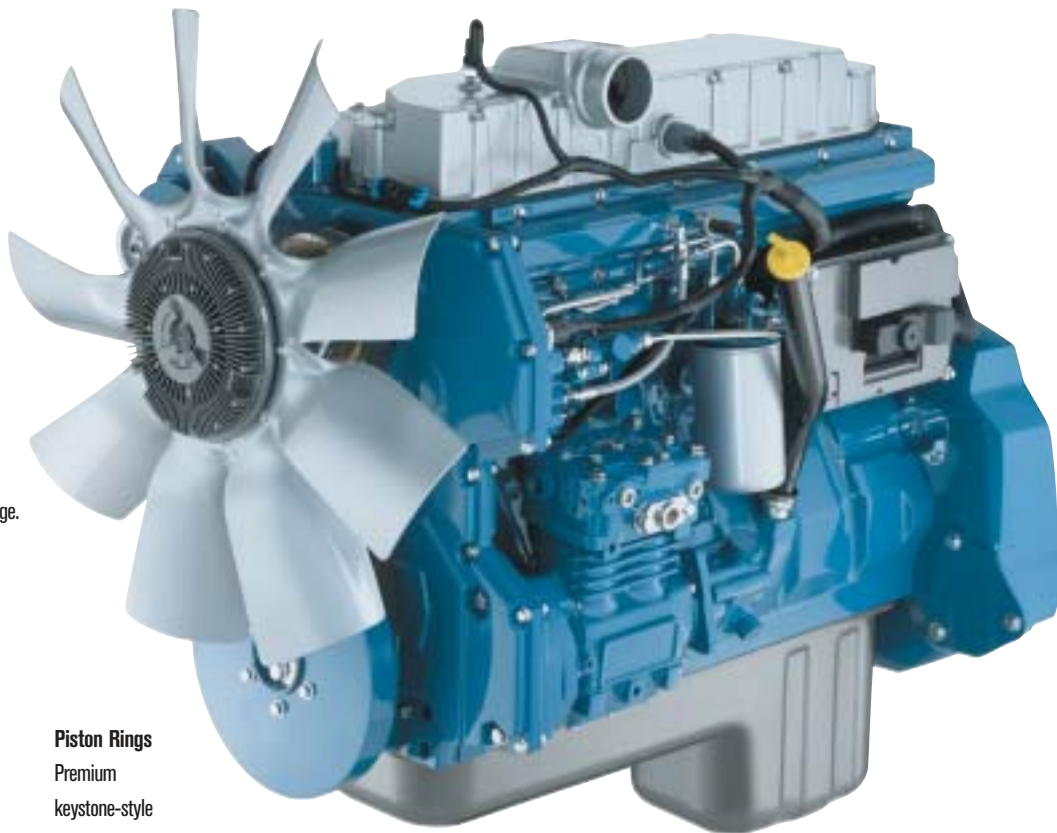
The International® Diamond Logic™ Electronic-Control System monitors hundreds of operational parameters to achieve maximum performance and fuel economy while minimizing downtime and reducing emissions. Programmable controls include road speed limiting, cruise control, engine warning protection and direct control of engine speed in PTO operations. The system constantly logs operational events and run time data to communicate fully with the EZ-Tech™ service computer for accurate, fast and efficient diagnostics.

Wet-Sleeve Design

Premium heavy-duty long-life wet sleeve provides maximum service life and economical rebuild in chassis.

Two-Piece Forged Steel Crown Piston

The center combustion bowl design and 8% larger steel piston pin distribute load and thermal stresses evenly for more efficient combustion, improved cold starting and longer life.



Piston Rings

Premium keystone-style plasma-coated top ring provides superior sealing even during tough duty cycles, extending the life of the power cylinder. Intermediate ring and oil ring provide lower oil consumption, helping to extend maintenance intervals.

Crankshaft

Forged steel with induction-hardened journals and fillets. Bigger bearing surface areas distribute load efficiently, and new crankshaft seals with dust eliminators provide durable protection for long life.

Ductile Iron Rocker Arms

Designed for matchless durability, increased-diameter rocker shaft increases load-carrying capability.

Crankcase

Fully skirted, cast iron. Computer modeling has been used to strategically strengthen and widen bulkheads and bearing caps, assuring even load distribution to extend life.

“Teepee” Design Connecting Rod

Heavy-duty rod design incorporates angle split and large bearings to reduce loading and stress for added life.

Optimized Cylinder Head Coolant Flow

Enhanced design of extended-life coolant-compatible cylinder head effectively directs flow and maximizes cooling for long valve and power cylinder life.

Piston-Cooling Jets

Lower piston and ring temperatures result in lower thermal stresses and longer life. Targeted oil distribution through two high-volume jets per cylinder increases flow by 43%.

Replaceable Valve Seat Inserts

Hardened inserts add durability and “second” engine life capability during rebuild.

Viscous Vibration Damper

Heavy-duty damper efficiently controls torsional vibration and extends the life of the International HT 530. The result is smooth performance and driveability.

Stainless Steel Injector Sleeves

This robust system of injector protection is extended-life coolant-compatible.

Preventive Maintenance Schedule

Severe Service Trucks

SERVICE	INTERVAL
Change engine oil & filter (30-qt [28.4 L] capacity)*	Up to 15,000 mi (24,140 km) / 550 hrs (depending on duty cycle)
Change engine oil & filter (28-qt [26.5 L] capacity)**	Up to 13,000 mi (20,921 km) / 500 hrs (depending on duty cycle)
Replace engine fuel filter	30,000 mi (48,280 km) / 1,100 hrs
Replace engine water filter	0 0 0
Replace antifreeze***	300,000 mi (482,800 km) / 11,000 hrs

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

** Less than 7 mpg (1,900 gallons [7,192 L] of fuel). See operator's manual.

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

International HT 530 Specifications

Engine Type	Diesel, 4-Cycle
Configuration	In-Line 6-Cylinder
Displacement	530 cu in (8.7 L)
Bore and Stroke	4.59 in x 5.35 in (116.5 mm x 135.9 mm)
Compression Ratio	16.9:1
Aspiration	EVRT™ Electronically-Controlled Turbocharger and Air-to-Air Intercooled
Governed Speed	2200 rpm/2100 rpm
Combustion System	Direct Injection
Cooling System Capacity (engine only)	13.5 U.S. qt (12.8 L)
Lubricating System Capacity	30 U.S. qt* (28.4 L)
Total Engine Weight (dry)	1,425 lb (647 kg)
Dimensions	45.1" L x 29.3" W x 40.8" H (1146 mm x 744 mm x 1036 mm)

*28 qt (26.5 L) for vehicles with front-steer drive axle

International HT 530 Performance Data

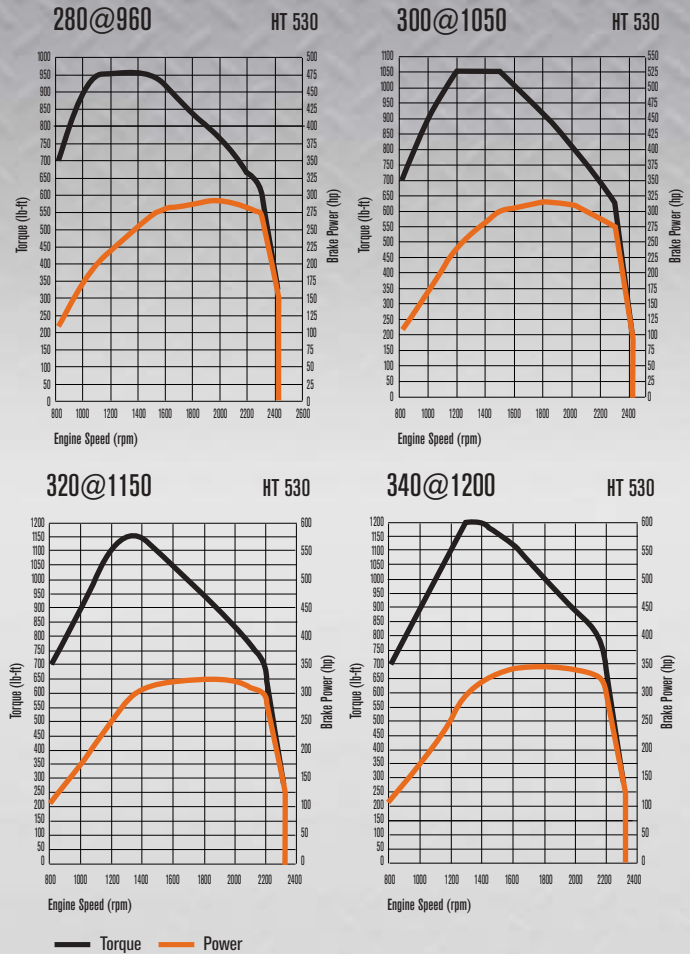
Rated hp	280	300	320	340
Rated rpm	2000	2000	2000	2000
Gov. Spd. rpm	2200	2100	2100	2100
Peak Torque (lb-ft)	950	1050	1150	1200
Peak Torque rpm	1200	1200	1300	1300
Peak hp	292	315	325	345
Peak hp rpm	2000	1800	1800	1800
Clutch Engagement Torque @ 800 rpm	700	700	700	700



■ The International HT 530 delivers 280-340 hp (209-254 kW) and 950-1200 lb-ft (1288-1627 N-m) of torque, while durability-enhancing features extend engine life and reduce cost of ownership.

- The International HT 530 weighs over 625 lb (283 kg) less than many 10- and 11-liter engines – for increased payloads and higher profit potential.
- The engine is backed by a standard 3-year/300,000-mile (480,000 km) limited warranty coverage.

International HT 530 Performance



For more information on the International HT 530 engine, visit our web site at www.InternationalDelivers.com or see your International dealer.



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