

# ONE SMART ENGINE.

WHICH MAKES YOU LOOK PRETTY SHARP YOURSELF.



International builds engines of the highest quality, with unparalleled performance and unmatched reliability. Period. And we've just raised the bar even higher. The new International® VT 365 sets the standard for a new generation of diesel engines by utilizing the latest advances in engine technology.

Available as the standard engine in the new International 4200 medium truck and International 3200 cutaway bus chassis, the VT 365 is engineered with new features that deliver value. International has focused on driveability, fuel efficiency, reliability and serviceability as well as reducing emissions.



THE BRILLIANCE OF COMMON SENSE.™

## A NEW GENERATION DIESEL ENGINE.

### Optimized Performance

The VT 365 engine features a six-liter displacement with four valves per cylinder and includes the Electro-Hydraulic Generation 2 (G2) fuel system. The G2 system is a common rail design with no high-pressure external lines driving digital valve injectors. This means a more complete mix of fuel and air for better combustion. Better combustion optimizes performance, fuel efficiency and emission control.

### Maximized Engine Performance for Improved Driveability

Working in tandem with the Electro-Hydraulic Generation 2 fuel system is the EVRT™ electronically-controlled turbocharger. Using adjustable vanes within the turbo, boost is optimized across the entire operating range. This allows for more responsive acceleration and peak power. Customers can count on high horsepower and torque over a wide RPM range, with reduced turbo lag.

### The International VT 365 Meets Clean Air Goals

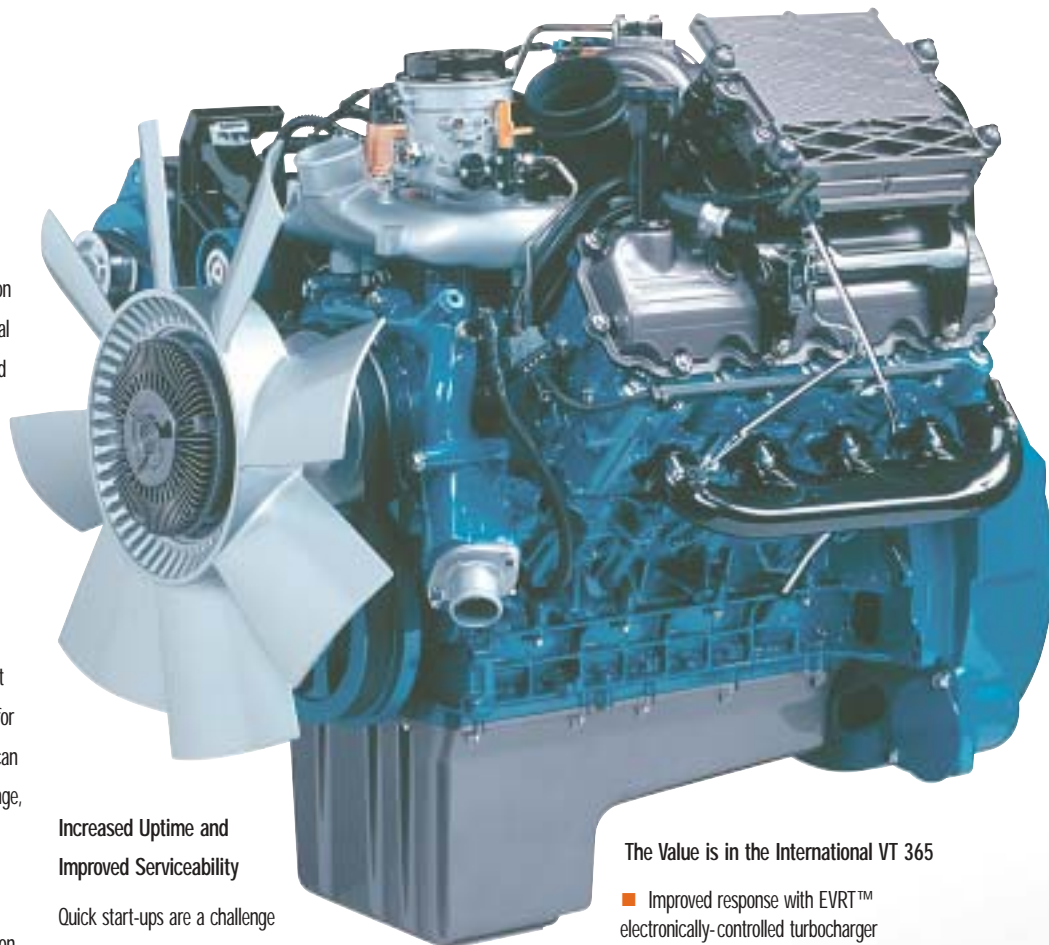
The electronically controlled cooled Exhaust Gas Recirculation (EGR) is an environmentally friendly technology that makes the International VT 365 capable of meeting strict future emissions standards. The EGR system works to reduce oxides of nitrogen (NOx).

### Simplified Preventive Maintenance

Routine maintenance has been simplified to increase uptime and reduce operating costs. Accessible from the driver's side, top-mounted fuel and oil filters are easy to reach and service.

### Decreased Maintenance Costs

Designed with reduced operating noise in mind, the oil pan utilizes a leak-eliminating O-ring style "press in place" gasket that is easy to remove and replace. This new design allows for easy removal and front axle clearance, increasing uptime and decreasing maintenance costs.



### Increased Uptime and Improved Serviceability

Quick start-ups are a challenge all engines face. Electronic controls allow the International VT 365 to precisely manage glow plug usage and maximize effectiveness for sure start-ups down to -20 degrees F. Glow plugs are replaceable without having to remove the valve covers, optimizing uptime. Other standard starting features include the fuel heater with a water-in-fuel sensor.

### Built in Reliability

The VT 365 uses an integrated oil cooler and canister style filter that drains back to the oil pan during service. The chance for oil leaks is reduced since there are no oil passages located outside the crankcase. Water pump reliability is enhanced with no hose connections.

### Improved Access to Front Accessories

The new International VT 365 has relocated the gear train to the rear of the engine. By engineering the gear train to the rear of the engine, where it drives the power steering pump and fuel pump, access to the front-end accessory drive is improved. The improved access to service the front-mounted air compressor and alternator leads to increased uptime and decreased maintenance costs.

### The Value is in the International VT 365

- Improved response with EVRT™ electronically-controlled turbocharger and Electro-Hydraulic G2 fuel system
- Improved air flow with 4-valves per cylinder for improved fuel economy
- Improved uptime and serviceability with accessible glow plugs, top-mounted fuel and oil filters, easy to remove oil pan and better access to the air compressor and alternator
- Improved sound quality through the use of a rear gear train and redesigned oil pan

### Preventive Maintenance Schedule

SERVICE	INTERVAL
Change engine oil, replace oil filter	10,000 miles (16,093 km)
Replace fuel filter	20,000 miles (32,187 km)
Replace coolant	300,000 miles* (482,803 km)
Valve lash adjustment	Not required

\*Factory fill is with Texaco Extended Life Coolant using Organic Acid Technology (OAT).

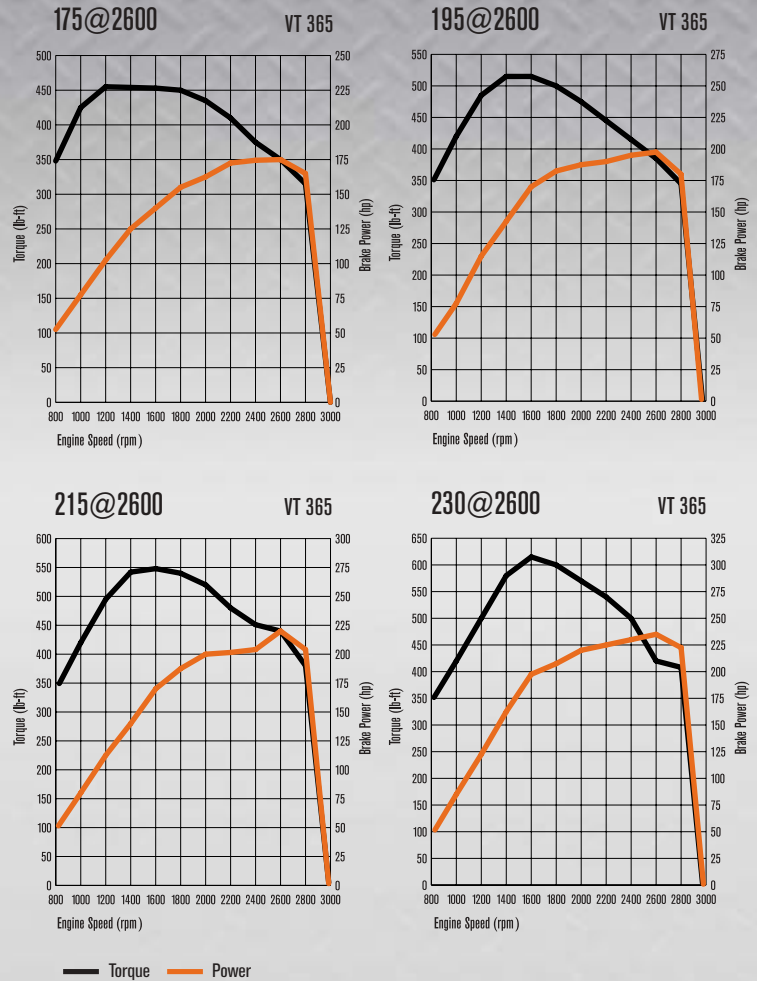
## International VT 365 Specifications

Engine Type	Diesel, 4-Cycle
Configuration	V8
Displacement	365 cu in (6.0 L)
Bore and Stroke	3.74 in x 4.134 in (95 mm x 105 mm)
Compression Ratio	18.0:1
Aspiration	EVRT™ Electronically-Controlled Turbocharger
Combustion System	Direct Injection Turbocharged
Cooling System Capacity (engine only)	10.8 qt (10.2 L)
Lubrication System Capacity	19 qt (18 L)
Total Engine Weight	1,062 lb (482 kg)

## International VT 365 Performance Data

Rated hp	175	195	215	230
Rated rpm	2600	2600	2600	2600
Gov. Spd. rpm	2800	2800	2800	2800
Peak Torque (lb-ft)	460	520	540	620
Peak Torque rpm	1400	1400	1400	1400
Peak hp	175	195	215	230
Peak hp rpm	2600	2600	2600	2600
Clutch Engagement Torque @ 800 rpm	340	340	340	340

## International VT 365 Performance



For more information on the International VT 365 engine, visit our web site at [www.InternationalDelivers.com](http://www.InternationalDelivers.com) or see your International dealer.



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