

Veracitor™ GC-VX



Truck shown with optional equipment

Cushion Tire Trucks 8,000 - 12,000 lbs.

Yale 
People. Products. Productivity.

Veracitor™ VX Series

As a leader in materials handling, Yale offers so much more than the most complete line of lift trucks. Yale has invested heavily in people, processes and capital equipment to encompass the cornerstones of quality and dependability... **Innovative Design, Comprehensive Testing, Highest Quality, Advanced Components and Superior Manufacturing.**



All trucks shown with optional equipment

Veracity means adherence to the truth. From these origins comes the Veracitor™ VX series. True to our customers. True to your application. And true to our promise of productivity. Each truck in the Veracitor™ VX series of internal combustion engine lift trucks has been designed with component commonality for simplified operational maintenance, and customizable productivity packages for specific customer needs.



Yale Veracitor™ VX Series.
A true solution.

Veracitor™ VX Dependability

Yale Veracitor™ VX trucks are designed and manufactured to be among the most dependable trucks in the industry today. Dependability is designed throughout the Veracitor™ VX Series. Yale's **rugged powertrain** offers durability with computer-controlled engine and transmissions, robust clutch packs and stronger gears and shafts. An optional powertrain protection system and enhanced monitoring increases long-term durability.

The Veracitor™ VX offers reliable electronics, including **sealed connectors**, allowing the entire truck to be pressure washed. Hall Effect sensors and switches in the key switch and direction lever have solid state components that are magnetically operated and are 100% sealed from the environment.

The **innovative cooling system** design on the Veracitor™ VX trucks enables dramatically lower operating temperatures than competitive models. The system offers excellent airflow through optimized ducting and high-volume tunnels allowing our trucks to run significantly cooler and longer. Radiators are 100% shock-mounted for long life. The Combi-Cooler radiator has a four-row aluminum core radiator and a four-row externally mounted heavy-duty transmission oil cooler for tough applications.

O-ring face seals on all high pressure hydraulic connections eliminate pipe fittings and the need for thread sealants creating leak-free joints. A superior filtration system increases the life span of all hydraulic components.

The Yale Veracitor™ Series offers the **most reliable, most comprehensive parts program** available in the industry. Yale dealers provide off-the-shelf availability of maintenance and repair parts routinely serviced in the first two years of truck operation. If one of these parts is not available from dealer stock, the part will be rush shipped to your dealer location (U.S. 48 contiguous states only) within 24 hours (one business day) of order placement or Yale will supply the part free of charges. A list of Xpect parts and other terms of this program are available upon request.

Xpect parts

guarantee



Superior Manufacturing



Innovative Cooling

Ultimate productivity

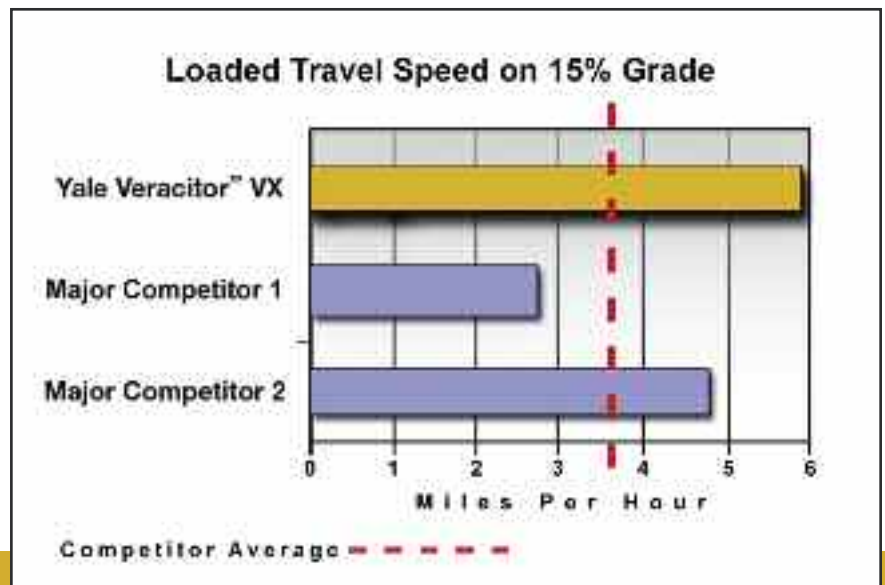
The Yale Productivity, Value and VX configurations are designed to meet and exceed your specific application requirements. The Yale Veracitor™ VX Series productivity cost savings are achieved through lower truck operating expenses, reduced labor costs, reduced operator overtime expense and additional savings with increased throughput.



All trucks shown with optional equipment

Yale Veracitor™ VX trucks outperform the competition on a representative application test cycle. On a 15% grade with a loaded truck, the Veracitor™ VX is over 60% faster than the major competitors' average travel speed.

Source: NMHG Counterbalanced Development Center



The **Yale Veracitor™ Productivity truck** delivers maximum performance for medium to heavy-duty applications with state of the art features and exceptional power. The **Yale Veracitor™ Value truck** provides excellent performance for standard and medium-duty applications and is optimized for the lowest hourly cost of operation. The **Yale Veracitor™ VX truck** offers first-rate performance for standard-duty applications and is geared to minimize your cost of acquisition without compromising performance.

The Yale Veracitor™ VX series offers a variety of productivity options, all featuring the GM 4.3L V6 engine.

Three Yale transmission selections are available: the One and Two-Speed Electronic Powershift, Techtronix 100 and the Techtronix 100X. All transmissions feature smooth electronic inching, electronic shift, neutral start/brake interlock. The Techtronix transmissions also feature **controlled ramp descent**, limiting roll to three inches per second. These transmissions feature the **Auto Deceleration System**, bringing the unit to a complete stop when the accelerator pedal is released. The Two-Speed Electronic Powershift and Techtronix 100X transmissions add two-speed functionality for improved power and higher travel speeds. The Techtronix 100X is especially well-suited for extended drawbar pull applications.

The **CSS** (Continuous Stability System) enhances the truck's lateral stability with a simple, maintenance-free design that does not compromise uneven surface travel.



Various truck configurations



Variety of powertrain options



Controlled ramp descent

ultimate
performance

Intelligent ergonomics

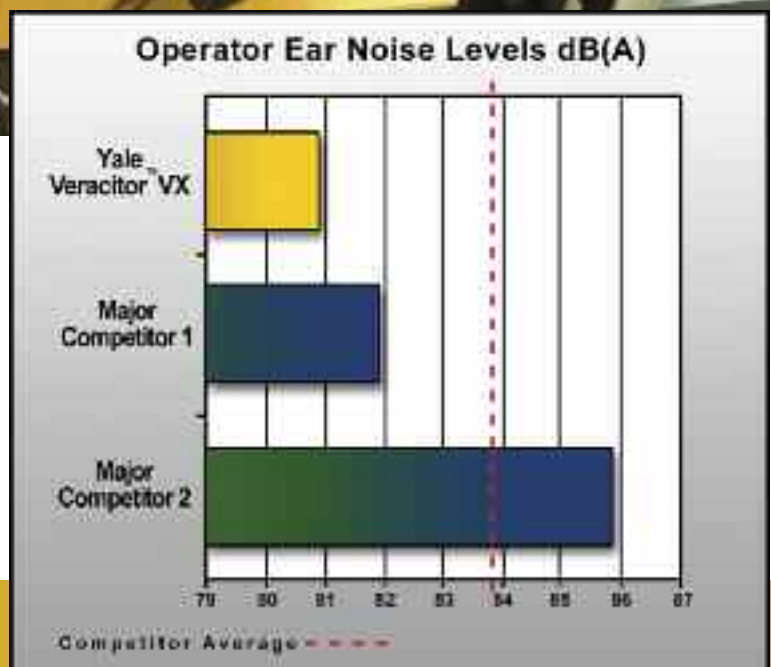
Operators prefer our trucks. Operator comfort is enhanced by the increased foot space in the well designed operator's compartment. The isolated powertrain reduces noise and vibration minimizing operator fatigue and increasing operator productivity throughout a shift. Excellent operator visibility is afforded through the Yale Global Hi Vis™ mast.



All trucks shown with optional equipment

Results from an independent study indicate that, on average, the Yale Veracitor™ VX operates a full 3 decibels lower than its two major competitors.

Source: NMHG Counterbalanced Development Center



Rear driving comfort has been enhanced with a convenient optional rear drive handle (complete with horn button) optimally placed on the rear overhead guard leg. The rear drive handle, in conjunction with an optional, full suspension swivel seat, creates a comfortable and secure work environment. A moderately sized steering wheel, and the infinitely adjustable steer column, accommodates operators of all sizes.

A **low step height** provides easy entry and exit. The standard, cowl-mounted manual hydraulic levers also allow easy access for right-side entry/exit. Yale's overhead guard design also offers plenty of headroom with excellent visibility of upper mast heights.

The **Auto Deceleration System** (standard on the YaleTechtronix transmissions) reduces brake pedal usage, and therefore operator leg fatigue.

The optional **EZ-Tank Bracket™** is an added feature on the standard swing-out bracket. The LP tank swings out and drops down approximately 60 degrees for virtually effortless removal and installation.

The optional Yale **Accutouch** electro-hydraulic control offers an excellent ergonomic design with shorter reach and throw and considerably less effort required to operate versus common hydraulic levers. The fully-adjustable armrest is contoured for maximum comfort and flexibility to minimize muscle and joint strain.



Rear drive comfort



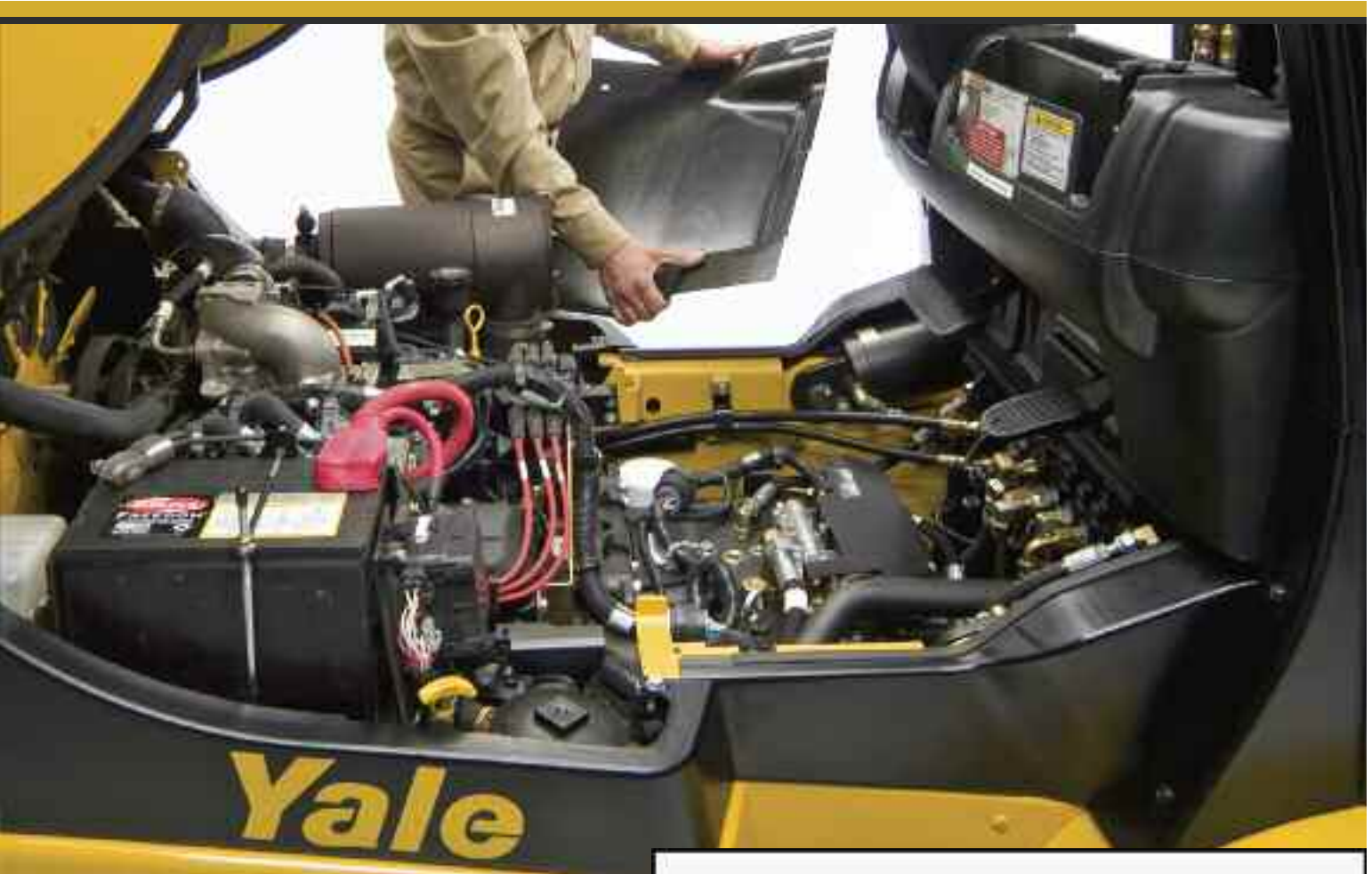
Optional EZ-Tank Bracket™



Ergonomic hydraulic controls

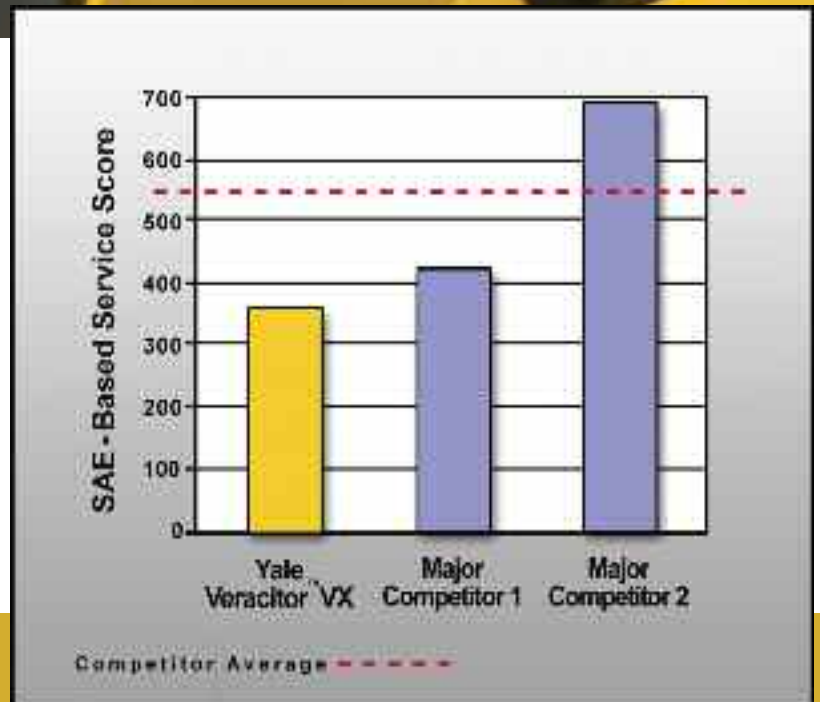
Yale gold service

Not only is the Veracitor™ VX series designed to require less maintenance, it is also designed to be extremely easy to service. From the rear-opening, one-piece hood and on-board diagnostics, to the reliable, most comprehensive parts availability in the industry, these trucks were designed with service details in mind. The cowl-to-counterweight access makes servicing fast, easy and convenient. It's the new standard in truck serviceability.



All trucks shown with optional equipment

Our engineers ensure the Yale Veracitor™ VX series trucks have unmatched serviceability ratings in the industry through cutting edge technology and superior manufacturing. This chart represents Society of Automotive Engineers (SAE) based rating evaluating speed and difficulty of over 30 service routines. Lower score indicates easier serviceability.



The Veracitor™ VX truck has a rear-opening, one-piece hood that opens 85 degrees. Coupled with the one-piece floor plate, it provides excellent cowl-to-counterweight access. Engine compartment daily checks are all located within close reach and are easily performed. The uncluttered layout under the hood offers clean hydraulic and electrical routings.

The radiator is easy to access and the filler cap and optional radiator lint screen can be removed without the use of tools. The coolant recovery bottle is easily visible to check coolant levels. A coolant fill neck is located for easy reach.

The Intellix VSM, vehicle systems manager, continuously monitors truck functions and immediately alerts the operator to service needs. Extensive on-board diagnostics on the Veracitor™ VX trucks advanced dash display communicates service codes enabling quick and accurate repairs. PC-based diagnostics enable fast and accurate troubleshooting which facilitates first-time fixes.

Yale has reduced regular service requirements on the Veracitor™ VX series truck. Automatic electronic inching eliminates the need for periodic adjustment. The Auto Deceleration System feature reduces brake usage, leading to decreased brake maintenance and pad replacement. All these reductions in truck service reduce cost and add to your bottom line.

The standard Wet Disc Brakes and optional Premium Wet Disc Brakes further lower the operating costs of the truck by virtually eliminating brake maintenance. These long life brakes are fully sealed against contamination making them ideal for tough environments. The Premium Wet Disc Brake system oil is circulated through the brake, then cooled and filtered before returned. The force cooled system is designed to handle multi-shift continuous, high load, high cycle applications with lots of braking events and in the worst conditions.



Excellent service access

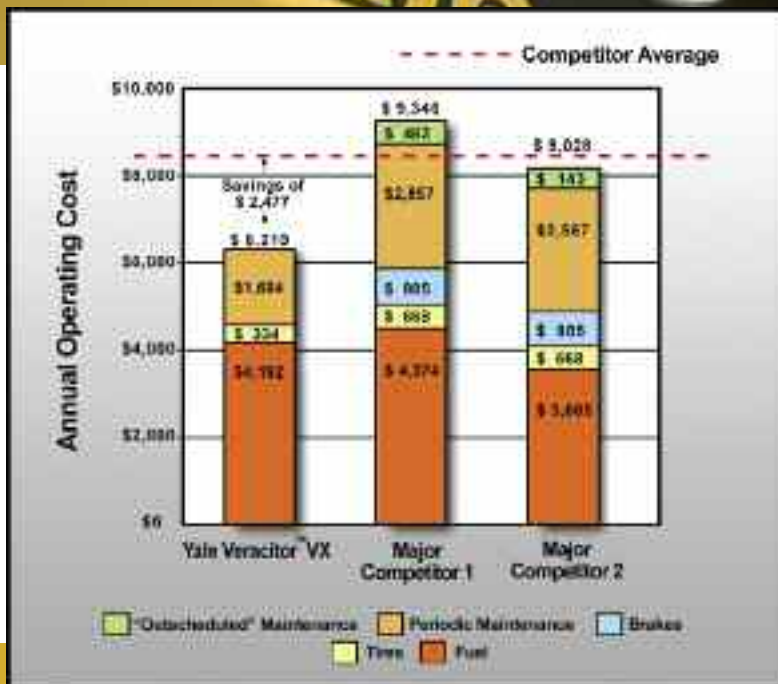


On-board diagnostics

maximum
access

Low cost of ownership

The purchase price of a truck is only a small part of its overall cost. A lift truck's cost of ownership is the largest portion of dollars spent and includes such elements as periodic maintenance, unscheduled repairs, tires, brakes and fuel costs. The Yale engineers focused on cost savings with additional engine and transmission options, world-class serviceability and unparalleled dependability.



All trucks shown with optional equipment

Periodic maintenance, tires, brakes, fuel and unscheduled maintenance all play a part in how the Yale Veracitor™ VX series lowers your overall operating costs. On average, the Veracitor™ VX Value truck offers a substantial \$2,477 operating cost savings over the competition.

Source: NMHG Counterbalanced Development Center

World-class dependability of the Veracitor™ VX series has decreased the cost to operate these trucks through a selection of rugged powertrain configurations, radiator design upgrades, reliable electronics and exceptional hydraulics.

The Techtronix transmissions offer improved tire and fuel cost savings through controlled power reversals. Yale's engine options offer reduced operating costs. The GM 4.3L engine delivers outstanding fuel economy with competitive performance.

Intellix VSM, the smart vehicle system manager, maximizes driver efficiency by managing fast direction changes that reduce tire spin and tire wear. Intellix VSM maximizes uptime by monitoring and protecting key truck functions.

Brake life is significantly improved with the optional Auto Deceleration System. This system automatically slows the truck when the throttle pedal is released, minimizing brake usage requirements, and reducing associated brake wear costs.

Wet Disc Brakes are standard providing excellent stopping power with an extremely long service life. The brake cooling oil circulates within the axle to provide consistent braking performance with no fade or change in pedal effort or travel, throughout the entire shift and beyond.

Optional Premium Wet Disc Brakes circulate oil through the brake and is then cooled and filtered for additional cooling capacity for the toughest applications with continuous or multi-shift use as part of the typical work cycle.

The Yale has improved serviceability of the Veracitor™ VX series and thereby reduced the labor cost involved with periodic maintenance and unscheduled repairs. Easy to remove floor plate requires no tools and offers complete access to the powertrain. Simplified daily checks and reduced service requirements lead to lower maintenance costs.



Increased tire life



Controlled direction changes



Reduced labor costs

intelligent
investment

Veracitor™ VX Series

The Veracitor™ VX Series is available in three configurations to meet and exceed your material handling application requirements.



Truck Type	VX Productivity	VX Value	VX
Design Objective	maximize loads moved per hour	minimize operating cost per hour	economical purchase price
Environment	variable	variable	clean/dry
Ramp Usage	frequent/steep	average	average

Veracitor™ VX versatility

Featuring the GM 4.3L V6 engine, the Veracitor™ VX series offers various truck configurations and options to meet your application requirements.

Transmissions		Hydraulics
<i>One-Speed</i>	<i>Two-Speed</i>	
<p>Standard Electronic One-Speed Transmission Electronic Inching Heavy-Duty Clutch Packs</p> <p>Techtronix 100 All Features of Standard Electronic Transmission One-Speed/Two-Speed Auto Deceleration System Extended Drawbar Pull Controlled Rollback</p>	<p>Standard Electronic Two-Speed Transmission Electronic Inching Heavy-Duty Clutch Packs Improved Power & Gradeability</p> <p>Techtronix 100X All Features of 100 One & Two-Speed Transmissions Auto Deceleration System Controlled Rollback Improved Power & Gradeability Includes Traction Speed Limiter Option</p>	<p>Manual Cowl Easy Reach Ergonomic Design Excellent Right-Side Access</p> <p>Accutouch, Electro-Hydraulics Fingertip Activation Best-in-Class Comfort Excellent Right-Side Access</p>

Veracitor™ VX highlights/options



Dependability highlights

	VX Productivity	VX Value	VX
Rugged Powertrain	Std	Std	Std
Intellix VSM (Vehicle Management System)	Std	Std	Std
100% shock-mounted radiators	Std	Std	Std
Heavy duty, anti-clog, square wave radiator	N/A	N/A	Std
Heavy duty "Combi-Cooler" radiator	Std	Std	N/A
CANbus electrical system	Std	Std	Std
Solid-state Hall Effect sensors - no adjustments required	Std	Std	Std
Sealed electrical connections	Std	Std	Std
Precise wire harness routings	Std	Std	Std
Sealed dash display	Std	Std	Std
Electronic horn	Std	Std	Std
O-Ring face seal hydraulic fittings	Std	Std	Std
10-micron high-performance in-tank hydraulic oil filter	Std	Std	Std
Electronically controlled transmissions	Std	Std	Std
Counterweight designed to maximize air flow - enhanced cooling	Std	Std	Std
Wet Disc Brakes	Std	Std	Std

Dependability options

	VX Productivity	VX Value	VX
Powertrain protection system	Opt	Opt	Opt
Premium electronic monitoring	Opt	Opt	Opt
High air intake with precleaner	Opt	Opt	Opt
Accumulator	Opt	Opt	Opt
Keyless start (with auxiliary key switch)	Opt	Opt	Opt
LED Front and rear work lights	Opt	Opt	Opt
LED Brake and Backup Lights	Opt	Opt	Opt
Drive lights and rear work lights with halogen bulbs	Opt	Opt	Opt
Traction Speed Limiter	Opt	Opt	N/A
Premium Wet Disc Brakes	Opt	Opt	Opt

Productivity highlights

	VX Productivity	VX Value	VX
GM 4.3L V6 LPG Engine	Std	Std	Std
One-Speed Electronic Powershift Transmission	N/A	N/A	Std
Two-Speed Electronic Powershift Transmission	N/A	N/A	Std
Electronic inching	Std	Std	Std
Techtronix 100 transmission	Std	Std	N/A
All the features of the standard electronic transmission	N/A	N/A	N/A
Auto Deceleration System - smooth directional changes	N/A	N/A	N/A
Controlled power reversal feature - reduces tire wear up to 50%	N/A	N/A	N/A
Controlled rollback on ramps - enhances driver control	N/A	N/A	N/A
Techtronix 100X transmission	N/A	Opt	N/A
All the features of Techtronix 100	N/A	N/A	N/A
Lower 1st gear- increases power and gradeability	Opt	Opt	N/A
Higher 2nd gear - enhances efficiency on long runs	Opt	Opt	N/A
CSS (Continuous Stability System)	Std	Std	Std
Yale Global Hi Vis mast	Std	Std	Std
Hall Effect sensors and switches feature solid-state components - no adjustments	Std	Std	Std
Sealed electrical connectors keep out water and debris	Std	Std	Std
Directional change lever	Std	Std	Std

Note: Std = Standard, Opt = Optional, N/A = Not Available

Veracitor™ VX highlights/options



Productivity options

	VX Productivity	VX Value	VX
GM 4.3L V6 Gas Engine	Opt	Opt	Opt
PRS (Paper Roll Special) - features extra attachment capacity	Opt	Opt	Opt
BCS (Box Car Special) - shorter turning radius for operating in tight spots	Opt	Opt	Opt
Audible alarm and strobe lights	Opt	Opt	Opt
Accutouch electro-hydraulic controls	Std	Opt	Opt
Return-to-set tilt	Opt	Opt	Opt
Rear drive handle with horn button	Opt	Opt	Opt
Full suspension vinyl or cloth seat	Opt	Opt	Opt
Full suspension swivel seat vinyl or cloth	Opt	Opt	Opt
Swing-out, drop-down EZ-Tank Bracket	Opt	Opt	Opt
Dual inch/brake pedals	Opt	Opt	Opt
Foot Directional Control pedal	Opt	Opt	Opt
Seat side directional control	Opt	Opt	Opt
Front drive and rear work lights with halogen bulbs	Opt	Opt	Opt
LED drive lights and rear work lights	Opt	Opt	Opt
Mirrors - side view	Opt	Opt	Opt
Extension tubes with quick disconnects	Opt	Opt	Opt
Tilt: 10 degrees forward/5 degrees back	Opt	Opt	Opt

Ergonomic highlights

	VX Productivity	VX Value	VX
Infinite adjustment steer column	Std	Std	Std
Optimized step height	Std	Std	Std
Excellent mast visibility	Std	Std	Std
Excellent rearward visibility	Std	Std	Std
Dash display positioned for optimum visibility	Std	Std	Std
Low brake pedal effort	Std	Std	Std
Small 12-inch steering wheel with spinner knob	Std	Std	Std
Single inching / brake pedal with excellent ergonomic positioning	Std	Std	Std
Conveniently located storage compartment	Std	Std	Std
Isolated powertrain	Std	Std	Std
Enhanced insulated non-metallic hood	Std	Std	Std
Auto Deceleration System	Std	Std	N/A
Conveniently located cowl mounted hydraulics	N/A	Std	Std
Low noise hydraulic pump	Std	Std	Std
Floormat	Std	Std	Std
Swing out LP tank bracket	Std	Std	Std

Ergonomic options

	VX Productivity	VX Value	VX
Swing-out, drop-down EZ-Tank Bracket	Opt	Opt	Opt
Accutouch electro-hydraulic controls with fully adjustable armrest	Std	Opt	Opt
Return-to-set tilt	Opt	Opt	Opt
Rear handle with horn button	Opt	Opt	Opt
Full suspension seat	Opt	Opt	Opt
Full suspension swivel seat	Opt	Opt	Opt
Dual Pedal inch/brake	Opt	Opt	Opt
Foot Directional Control Pedal	Opt	Opt	Opt
Seat side directional control	Opt	Opt	Opt

Note: Std = Standard, Opt = Optional, N/A = Not Available

Truck performance may be affected by the condition of the vehicle, how it is equipped and the application. Consult your Yale Industrial Truck Dealer for further information. Specifications are subject to change without notice.

Veracitor™ VX highlights/options



Service highlights

	VX Productivity	VX Value	VX
Cowl-to-counterweight access	Std	Std	Std
Easy floorplate removal - no tools required	Std	Std	Std
On-board diagnostics with advanced dash display	Std	Std	Std
PC-based diagnostics enabling fast and accurate troubleshooting	Std	Std	Std
Simplified daily checks	Std	Std	Std
Uncluttered layout with superb hydraulic and electrical routings	Std	Std	Std
Superior filtration system	Std	Std	Std
Intellix VSM, Vehicle Management System	Std	Std	Std
CANbus electrical system	Std	Std	Std
Robust transmission clutch packs	Std	Std	Std
Sealed electrical connectors	Std	Std	Std
O-Ring face seals on all high pressure hydraulic connections	Std	Std	Std
Hall Effect sensors and other solid state components require no adjustment	Std	Std	Std

Service options

	VX Productivity	VX Value	VX
Operator password	Opt	Opt	Opt
Drive and rear work lights with halogen bulbs	Opt	Opt	Opt
Premium monitoring system	Opt	Opt	Opt
Paper applications kit	Opt	Opt	Opt
Powertrain protection system	Opt	Opt	Opt
LED brake and backup lights	Opt	Opt	Opt
LED front and rear work lights	Opt	Opt	Opt
Vented hood	Opt	Opt	Opt
Swing-out, drop-down EZ-Tank Bracket	Opt	Opt	Opt

Cost of Ownership highlights

	VX Productivity	VX Value	VX
Wet Disc Brakes	N/A	Std	Std
Heavy-duty, anti-clog, square wave radiator	N/A	N/A	Std
Heavy-duty, "Combi-Cooler" radiator	Std	Std	N/A
Electronically controlled transmissions	Std	Std	Std
Counterweight designed to maximize air flow	Std	Std	Std
Electronic systems monitoring	Std	Std	Std
Auto Deceleration System	Std	Std	N/A
Controlled power reversal	Std	Std	N/A

Cost of Ownership options

	VX Productivity	VX Value	VX
Premium Wet Disc Brakes	Opt	Opt	Opt
Powertrain protection system	Opt	Opt	Opt
Premium monitoring package	Opt	Opt	Opt
High air intake with precleaner	Opt	Opt	Opt
Paper applications kit	Opt	Opt	Opt
Accumulator	Opt	Opt	Opt
Vented hood	Opt	Opt	Opt
Radiator lint screen	Opt	Opt	Opt
Traction speed limiter (included with Techtronix 100X transmission)	Opt	Opt	Opt
Operator password	Opt	Opt	Opt
Attachment carriage	Opt	Opt	Opt

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The Yale products included in this document may be covered by U.S. Patent 6,684,148 and other patents pending.

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Parts • Service • Operator Training**



Manufactured in our own ISO 9001 and ISO 14001 Registered Facilities



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