



Veracitor™ GC-VX Cushion Tire Trucks

2227-1

4,000 • 5,000 • 5,500 • 6,000 • 7,000 lbs

Yale Veracitor™ GC-VX Series

This series of trucks is available in three configurations to meet and exceed your material handling application requirements. The Veracitor™ Productivity truck delivers maximum performance for medium to heavy-duty applications with state-of-the-art features and industry leading power. The Veracitor™ Value truck provides excellent performance for standard and medium-duty applications and is optimized for lowest hourly cost of operation. The Veracitor™ VX truck offers first-rate performance for standard-duty applications and is geared to minimize your cost of acquisition without compromising performance.

Productivity LP/Gas Engine Specifications

| | |
|------------------|------------------------|
| Engine | GM |
| Cylinder | 4 |
| Camshaft | Overhead Valve |
| Displacement | 146.5 cu.in./2.4 litre |
| Torque LP | 123 lb.ft. @ 2600 RPM |
| Torque Gas | 103 lb.ft. @ 2600 RPM |
| Horsepower LP | 61.0 hp @ 2600 RPM |
| Horsepower Gas | 51.0 hp @ 2600 RPM |
| Air Filtration | Two Stage, Dry Type |
| Emission Control | Closed loop |

Value LP Engine Specifications

| | |
|------------------|------------------------|
| Engine | Mazda 2.2L |
| Cylinder | 4 |
| Camshaft | Overhead Valve |
| Displacement | 134.3 cu.in./2.2 litre |
| Torque LP | 94 lb.ft. @ 2600 RPM |
| Horsepower LP | 46.5 hp @ 2600 RPM |
| Air Filtration | Two Stage, Dry Type |
| Emission Control | Closed loop |

VX LP Engine Specifications

| | |
|------------------|------------------------|
| Engine | Mazda 2.2L |
| Cylinder | 4 |
| Camshaft | Overhead Valve |
| Displacement | 134.3 cu.in./2.2 litre |
| Torque LP | 94 lb.ft. @ 2600 RPM |
| Horsepower LP | 46.5 hp @ 2600 RPM |
| Air Filtration | Two Stage, Dry Type |
| Emission Control | Closed loop |

Yale Veracitor™ VX Engines feature a rigid cast iron block and main bearing caps. Nodular iron crankshaft is supported on five main bearings. Camshaft is cast iron. Hydraulic valve lifters are utilized to eliminate the need for manual adjustment. All engines include hardened exhaust valve seats. The GM engine features hardened intake and exhaust valve seats with stellite coated valves for superior durability. All engines are EPA emissions compliant and feature closed loop emissions regulation systems that continually monitor exhaust and adjust fuel/air mix as necessary. The GM engine also features an electronic throttle for precise performance and control.

Fuel System

The Mazda LPG engine uses a single barrel carburetor with an LPG injector and a regulator/vaporizer. The Engine Control Unit controls the LPG injector fueling, and the carburetor and the regulator are not adjustable. The GM LP and Gas engines use sequential port fuel injection. The GM LP engines use a vaporizer/ regulator to convert the fuel from a liquid to a gas for vapor injection. The Engine Control Unit electronically controls the fuel, air, and spark advance to provide the necessary torque. The engine control unit's inputs include manifold air pressure, manifold air temperature, engine coolant temperature, accelerator pedal position, throttle position, engine speed, cam signal, and oxygen sensor signal.

Transmission

There are four transmission selections available with multiple engine configurations that will handle a wide variety of material handling applications. All transmissions feature electronic inching (requires no adjustment), electric shift control, neutral start switch, and anti-restart protection. A single pedal controls both inching and braking. Optional dual inch/brake pedals are available for operators who prefer this design. A 100 mesh suction and a 10 micron return line filtration protect the transmission from abrasive contaminants.

The Techtronix 100 features Auto Deceleration through the controlled application of clutch packs, and also reduces tire spin by precisely regulating engine speed during controlled power reversals. The Techtronix 200 includes the Techtronix 100 features, and also enables Auto Speed Hydraulics with Automatic Inching Control. This feature automatically increases engine RPM's as hydraulic functions are actuated, while main-

taining control over vehicle speed. The throttle response management feature provides travel speed as a direct result of pedal position, improving truck control. The Techtronix 200X includes the Techtronix 200 features and adds two-speed functionality for extended drawbar pull applications.

Cooling System employs a 17" blade pusher-type fan. A permanently lubricated water pump and a high capacity, cross-flow radiator ensure rapid heat dissipation. The sealed cooling system operates at a pressure of 15 psi and includes a coolant recovery tank for visual inspection of coolant level. Transmission oil cooler is integrated into the radiator and is located in the side tank. The optional combi-cooler radiator features an externally mounted transmission oil cooler for increased heat transfer capability. All radiators are soft-mounted for excellent durability.

Drive Axle

The drive axles are designed to withstand heavy-duty loads and absorb shock loads. The wheel hubs rotate on large tapered roller bearings. The drive shaft transmits torsion to the drive axle from the engine and transmission. Transmission torque occurs through an industrial hypoid ring gear and pinion differential assembly. The drive axle is a "self contained" assembly that is isolated from the transmission by a heavy-duty rubber isolator. The axle shafts utilize a "rolled fillet" root spline design for increased resistance to torsion stress. A magnetic sump plug is used to collect any metal particles that are circulating in the axle oil, preventing component wear.

Brakes are duo-servo hydraulic, self-energizing, and automatic adjusting drum brake assemblies. Asbestos-free brake linings are bonded to steel shoes and act against a cast iron drum. Single circuit master cylinder has sealed fluid reservoir and features a fluid level sensor which activates an indicator light located on the instrument panel. Independent, hand adjustable parking brake with push-button locking has audible alarm.

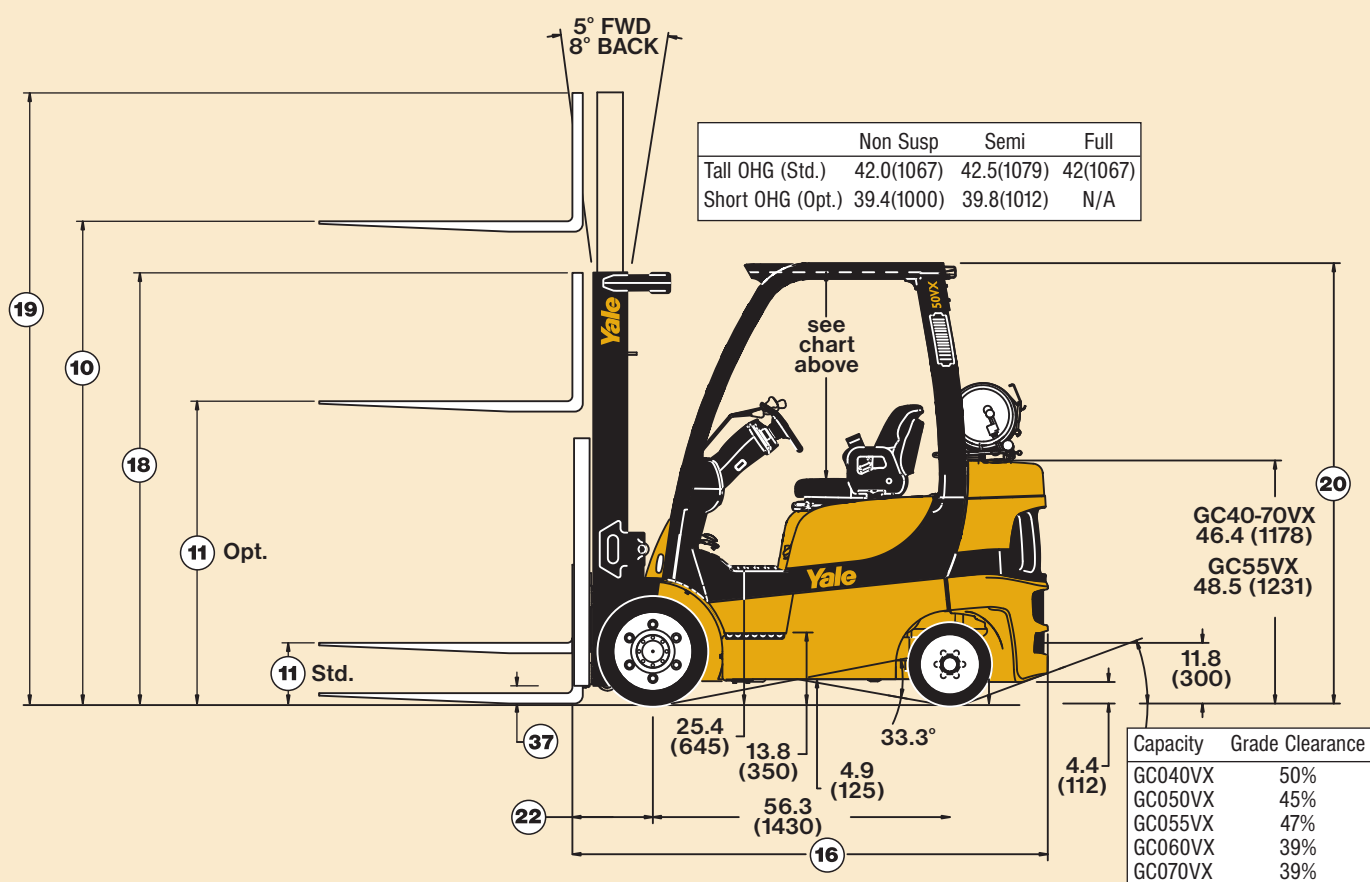
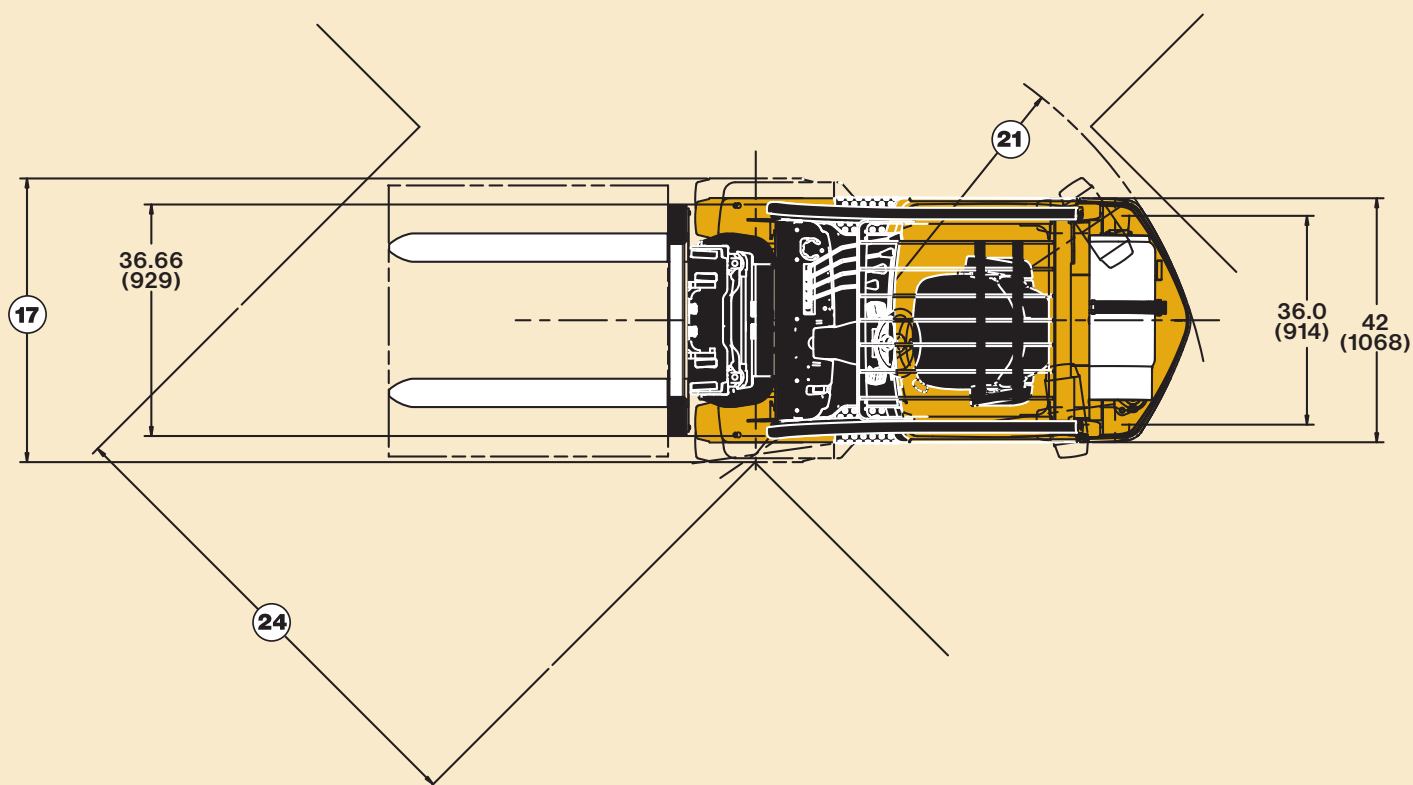
Hydraulic Power Steering (hydrostatic steering) provides responsive control and eliminates mechanical linkages for reduced surface shock and simplified maintenance. The steering wheel is 12 inches in diameter with a textured surface grip and spinner knob, and requires only four turns lock-to-lock. The center mounted steer cylinder is located within the confines of the steer axle for protection.

(continued on back page)



Truck shown with optional equipment







| GENERAL | 1 | Manufacturer | Manufacturer Name | |
|---------------------|----|---------------------------------|---|----------------|
| | | Powertrain | Engine / Transmission | |
| | 2 | Model | Manufacturer Designation | |
| | 3 | Capacity | Rated capacity | lb. (kg) |
| | 4 | Load Center | Distance | in. (mm) |
| | 5 | Power Type | Gasoline, LPG, CNG, Diesel | |
| | 6 | Operator Type | Pedestrian, Stand-on, Seated Rider | |
| | 7 | Step Height | | in. (mm) |
| | 8 | Tire Type | Cushion, Solid, Pneumatic, etc. | |
| DIMENSIONS | 9 | Wheels | Number - Front / Rear | |
| | 10 | Lift Height with Two Stage Mast | Lift Height (Top of Fork) | in. (mm) |
| | 11 | | Standard Free Lift w/ LBR (Top of Fork) | in. (mm) |
| | 12 | | Opt. Free Lift w/ LBR (Top of Fork) | in. (mm) |
| | 13 | Forks | Thickness/Width/Length | in. (mm) |
| | 14 | Fork Spread | Outside Dimensions | in. (mm) |
| | 15 | Tilt of Mast | Forward/Backward | degrees |
| | 16 | Dimensions | Length To Face of Forks | in. (mm) |
| | 17 | | Overall Width Standard/Wide | in. (mm) |
| | 18 | | Height with Collapsed Mast | in. (mm) |
| | 19 | | Height with Extended Mast with LBR | in. (mm) |
| | 20 | | Height of Std. Overhead Guard/Opt. Overhead Guard | in. (mm) |
| | 21 | Turning Radius | Outside | in. (mm) |
| PERFORMANCE | 22 | Load Length | Front Overhang | in. (mm) |
| | 23 | Aisle Width | Right Angle Stack (Add Length of Load) | in. (mm) |
| | 24 | Equal Aisle | 42" W x 48" L Load | in. (mm) |
| | | Stability | Comply with ANSI? | |
| | 25 | Speeds | Travel Speed - With load / No Load | mph (km/h) |
| | | | With Techtronix 200X | mph (km/h) |
| | 26 | | Lift Speed - W/ 2 Stg LFL load/ No Load | ft./min (mm/s) |
| | | | Lift Speed - W/ Opt. 2 Stg. FFL load/ No Load | ft./min (mm/s) |
| | 27 | | Lift Speed - W/ Opt. 3 Stg. FFL load/ No Load | ft./min (mm/s) |
| | | | Lowering Speed - With load/ No Load | ft./min (mm/s) |
| | | | Lowering Speed - W/ Opt. 2 Stg. FFL load/ No Load | ft./min (mm/s) |
| | | | Lowering Speed - W/ Opt. 3 Stg. FFL load/ No Load | ft./min (mm/s) |
| | 28 | Drawbar Pull | With Load/No Load @ 1mph | lbf. |
| | | | With Techtronix 200X | lbf. |
| | | | With Load/No Load @ 3 mph | lbf. |
| | | | With Techtronix 200X | lbf. |
| | 29 | Gradeability | With Load/No Load @ 1 mph | % |
| | | | With Techtronix 200X | % |
| | | | With Load/No Load @ 3 mph | % |
| | | | With Techtronix 200X | % |
| WT. | 30 | Steering | Manual Power | |
| | 31 | Unloaded Weight | Standard Truck | lb. (kg.) |
| | | w/ Rated Load | Standard Truck | lb. (kg.) |
| WHEELS & TIRES | 32 | Axle Loads | No Load - Front/Rear | lb. (kg.) |
| | | w/ Rated Load | With Load - Front/Rear | lb. (kg.) |
| | | Tire Size | Number - Front/Rear | |
| | 33 | | Front | |
| | 34 | | Rear | |
| | 35 | Wheelbase | Distance | in. (mm) |
| | 36 | Tread | Center of Tires - Front | in. (mm) |
| | 37 | Ground Clearance | No Load at Lowest Point | in. (mm) |
| | 38 | | No Load at Center of Wheelbase | in. (mm) |
| TRANS. & POWER UNIT | 39 | Brakes | Service - Method of Control | |
| | 40 | | Parking - Method of Operation | |
| | 41 | Battery | Type | |
| | 42 | | Volts/Cold Cranking Amps | v/ cca |
| | 43 | ICE Engine | Manufacturer/Model | |
| | 44 | | Permanent Output @ 2600 rpm | hp (kw) |
| | 45 | | Torque @ 2600 rpm | lbf ft (kg/m) |
| | 46 | | Number of Cylinders/Displacement/Liters | Cyl./Ci/Liters |
| | 47 | Transmission | With ICE Drive | Type |
| | | | Speeds Fwd / Rev | |
| | | | Speeds Fwd / Rev w/ Techtronix 200X | |
| | 48 | Noise Level | LEQ | db(A) |
| | 49 | Hydraulic Tank | Capacity | gal. (litre) |
| | 50 | Fuel Tank | Capacity (for gas trucks only) | gal. (litre) |
| | 51 | Relief Pressure | Auxiliary pressure for attachments | PSI (Mpa) |

| Yale | | Yale |
|---|-----------------|--------------------------------------|
| GM 2.4L Techtronix 200 & Techtronix 200X | | Mazda 2.2L Techtronix 100 |
| Productivity | | Value |
| 4000 (1815) | | 4000 (1815) |
| 24 (610) | | 24 (610) |
| LPG | Gas | LPG |
| Seated Rider | | Seated Rider |
| 13.8 (350) | | 13.8 (350) |
| Cushion / Cushion | | Cushion / Cushion |
| 2 / 2 | | 2 / 2 |
| 129 (3292) | | 129 (3292) |
| 5 (140) | | 5 (140) |
| 35.8 (910) | | 35.8 (910) |
| 38.5 (980) | | 38.5 (980) |
| 1.6x3.9x42 (40x100x1067) | | 1.6x3.9x42 (40x100x1067) |
| 35.4 (899) | | 35.4 (899) |
| 5 x 8 | | 5 x 8 |
| 87.6 (2226) | | 87.6 (2226) |
| 42.1 (1070) / 48.9 (1242) | | 42.1 (1070) / 48.9 (1242) |
| 85 (2135) | | 85 (2135) |
| 178 (4515) | | 178 (4515) |
| 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) |
| 76.7 (1950) | | 76.7 (1950) |
| 14.9 (378) | | 14.9 (378) |
| 91.6 (2328) | | 91.6 (2328) |
| 74.0 (1880) | | 74.0 (1880) |
| Yes | | Yes |
| 10.7 / 10.5 (17.2 / 16.9) | | 10.6 / 10.3 (17 / 16.6) |
| 11.3 / 11.2 (18.3 / 18.0) | | N/A |
| 119 / 119 (.60 / .60) | | 110 / 110 (0.56 / 0.56) |
| 106 / 106 (.54 / .54) | | 99 / 99 (0.50 / 0.50) |
| 113 / 113 (.57 / .57) | | 105 / 105 (0.53 / 0.53) |
| 99 / 86 (.50 / .44) | | 100 / 88 (0.51 / 0.45) |
| 86 / 60 (.44 / .30) | | 85 / 62 (0.43 / 0.31) |
| 97 / 81 (.49 / .41) | | 94 / 75 (0.48 / 0.38) |
| 4623 / 1983 | 4639 / 1983 | 3989 / 2155 |
| 4900 / 2155 | | N/A |
| 3100 / 2155 | 2800 / 2155 | 2700 / 2155 |
| 3500 / 2155 | 3200 / 2155 | N/A |
| 41.5 / 29.3 | 36.4 / 29.3 | 35.0 / 29.3 |
| 44.3 / 29.3 | | N/A |
| 28 / 28 | 24 / 24 | 23.0 / 23.0 |
| 32.0 / 29.3 | 26.9 / 26.9 | N/A |
| Power | | Power |
| 7837 (3555) | | 7837 (3555) |
| 11837 (5369) | | 11837 (5369) |
| 3567 / 4270 (1618 / 1937) | | 3567 / 4270 (1618 / 1937) |
| 10321 / 1516 (4682 / 688) | | 10321 / 1516 (4682 / 688) |
| 2 / 2 | | 2 / 2 |
| 21x7x15 | | 21x7x15 |
| 16x5x10.5 | | 16x5x10.5 |
| 56.3 (1430) | | 56.3 (1430) |
| 35.1 (892) | | 35.1 (892) |
| 3.6 (91) | | 3.6 (91) |
| 4.9 (125) | | 4.9 (125) |
| Foot / Hydraulic | | Foot / Hydraulic |
| Hand / Mechanical | | Hand / Mechanical |
| Maintenance Free | | Maintenance Free |
| 12 / 475 | | 12 / 475 |
| GM | | Mazda |
| 62.0 (46.2) | 63.0 (47.0) | 46.5 (34.7) |
| 123 (17.0)@2650 | 124 (17.1)@2650 | 94 (13.0) @ 1800 |
| 4 / 146.5 / 2.4 | | 4 / 134.3 / 2.2 |
| Electronically Controlled Powershift | | Electronically Controlled Powershift |
| 1 / 1 | | 1 / 1 |
| 2 / 1 | | N/A |
| 78 | | 78 |
| 8.0 (30.1) | | 8.0 (30.1) |
| N/A | 10.6 (40) | N/A |
| 2250 (15.5) | | 2250 (15.5) |



| Yale | | Yale | | Yale | |
|---|-----------------|--------------------------------------|--|--------------------------------------|--|
| GM 2.4L Techtronix 100/200 & Techtronix 200X | | Mazda 2.2L Techtronix 100 | | Mazda 2.2L Standard Electronic | |
| Productivity | | Value | | VX | |
| 5000 (2268) | | 5000 (2268) | | 5000 (2268) | |
| 24 (610) | | 24 (610) | | 24 (610) | |
| LPG | Gas | LPG | | LPG | |
| Seated Rider | | Seated Rider | | Seated Rider | |
| 13.8 (350) | | 13.8 (350) | | 13.8 (350) | |
| Cushion/Cushion | | Cushion/Cushion | | Cushion/Cushion | |
| 2X/2 | | 2X/2 | | 2X/2 | |
| 129 (3292) | | 129 (3292) | | 129 (3292) | |
| 5 (140) | | 5 (140) | | 5 (140) | |
| 35.8 (910) | | 35.8 (910) | | 35.8 (910) | |
| 38.5 (980) | | 38.5 (980) | | 38.5 (980) | |
| 1.6x3.9x42 (40x100x1067) | | 1.6x3.9x42 (40x100x1067) | | 1.6x3.9x42 (40x100x1067) | |
| 35.4 (899) | | 35.4 (899) | | 35.4 (899) | |
| 5 X 8 | | 5 X 8 | | 5 X 8 | |
| 89.8 (2280) | | 89.8 (2280) | | 89.8 (2280) | |
| 42.1 (1070) / 48.9 (1242) | | 42.1 (1070) / 48.9 (1242) | | 42.1 (1070) / 48.9 (1242) | |
| 85 (2135) | | 85 (2135) | | 85 (2135) | |
| 178 (4515) | | 178 (4515) | | 178 (4515) | |
| 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) | |
| 78.7 (2000) | | 78.7 (2000) | | 78.7 (2000) | |
| 14.9 (378) | | 14.9 (378) | | 14.9 (378) | |
| 93.6 (2378) | | 93.6 (2378) | | 93.6 (2378) | |
| 74.9 (1902) | | 74.9 (1902) | | 74.9 (1902) | |
| Yes | | Yes | | Yes | |
| 10.7 / 10.5 (17.2 / 16.9) | | 10.6 / 10.3 (17 / 16.6) | | 10.6 / 10.3 (17 / 16.6) | |
| 11.3 / 11.2 (18.3 / 18.0) | | N/A | | N/A | |
| 119 / 119 (.60 / .60) | | 110 / 110 (.56 / .56) | | 110 / 110 (.56 / .56) | |
| 106 / 106 (.54 / .54) | | 99 / 99 (.50 / .50) | | 99 / 99 (.50 / .50) | |
| 113 / 113 (.57 / .57) | | 105 / 105 (.53 / .53) | | 105 / 105 (.53 / .53) | |
| 99 / 86 (.50 / .44) | | 102 / 88 (.52 / .45) | | 102 / 88 (.52 / .45) | |
| 87 / 60 (.44 / .30) | | 88 / 62 (.45 / .31) | | 88 / 62 (.45 / .31) | |
| 93 / 81 (.47 / .41) | | 95 / 75 (.48 / .38) | | 95 / 75 (.48 / .38) | |
| 4590 / 1983 | 4626 / 1983 | 3952 / 1983 | | 3952 / 1983 | |
| 4900 / 1983 | | N/A | | N/A | |
| 3200 / 1983 | 2600 / 1983 | 2500 / 1983 | | 2500 / 1983 | |
| 3600 / 1983 | 3400 / 1983 | N/A | | N/A | |
| 34.2 / 23.5 | 30.1 / 23.5 | 29.0 / 23.5 | | 29.0 / 23.5 | |
| 36.8 / 23.5 | | N/A | | N/A | |
| 23.0 / 23.0 | 20.0 / 20.0 | 18.0 / 18.0 | | 18.0 / 18.0 | |
| 27.0 / 23.5 | 23.5 / 23.5 | N/A | | N/A | |
| Power | | Power | | Power | |
| 8621 (3910) | | 8621 (3910) | | 8621 (3910) | |
| 13621 (6178) | | 13621 (6178) | | 13621 (6178) | |
| 3399 / 5222 (1542 / 2369) | | 3399 / 5222 (1542 / 2369) | | 3399 / 5222 (1542 / 2369) | |
| 11841 / 1780 (5371 / 807) | | 11841 / 1780 (5371 / 807) | | 11841 / 1780 (5371 / 807) | |
| 2 / 2 | | 2 / 2 | | 2 / 2 | |
| 21x7x15 | | 21x7x15 | | 21x7x15 | |
| 16x5x10.5 | | 16x5x10.5 | | 16x5x10.5 | |
| 56.3 (1430) | | 56.3 (1430) | | 56.3 (1430) | |
| 35.1 (892) | | 35.1 (892) | | 35.1 (892) | |
| 3.6 (91) | | 3.6 (91) | | 3.6 (91) | |
| 4.9 (125) | | 4.9 (125) | | 4.9 (125) | |
| Foot / Hydraulic | | Foot / Hydraulic | | Foot / Hydraulic | |
| Hand / Mechanical | | Hand / Mechanical | | Hand / Mechanical | |
| Maintenance Free | | Maintenance Free | | Maintenance Free | |
| 12 / 475 | | 12 / 475 | | 12 / 475 | |
| GM | | Mazda | | Mazda | |
| 62.0 (46.2) | 63.0 (47.0) | 46.5 (34.7) | | 46.5 (34.7) | |
| 123 (17.0)@2650 | 124 (17.1)@2650 | 94 (13.0) @ 1800 | | 94 (13.0) @ 1800 | |
| 4 / 146.5 / 2.4 | | 4 / 134.3 / 2.2 | | 4 / 134.3 / 2.2 | |
| Electronically Controlled Powershift | | Electronically Controlled Powershift | | Electronically Controlled Powershift | |
| 1 / 1 | | 1 / 1 | | 1 / 1 | |
| 2 / 1 | | N/A | | N/A | |
| 78 | | 78 | | 78 | |
| 8.0 (30.1) | | 8.0 (30.1) | | 8.0 (30.1) | |
| N/A | 10.6 (40) | N/A | | N/A | |
| 2250 (15.5) | | 2250 (15.5) | | 2250 (15.5) | |

| Yale | | Yale | |
|---|-----------------|--------------------------------------|--|
| GM 2.4L Techtronix 100/200 & Techtronix 200X | | Mazda 2.2L Techtronix 100 | |
| Productivity | | Value | |
| 5500 (2495) | | 5500 (2495) | |
| 24 (610) | | 24 (610) | |
| LPG | Gas | LPG | |
| Seated Rider | | Seated Rider | |
| 13.8 (350) | | 13.8 (350) | |
| Cushion / Cushion | | Cushion / Cushion | |
| 2 / 2 | | 2 / 2 | |
| 129 (3292) | | 129 (3292) | |
| 5 (140) | | 5 (140) | |
| 35.8 (910) | | 35.8 (910) | |
| 38.5 (980) | | 38.5 (980) | |
| 1.6x3.9x42 (40x100x1067) | | 1.6x3.9x42 (40x100x1067) | |
| 35.4 (899) | | 35.4 (899) | |
| 5 X 8 | | 5 X 8 | |
| 87.1 (2213) | | 87.1 (2213) | |
| 43.6 (1108) / 48.9 (1242) | | 43.6 (1108) / 48.9 (1242) | |
| 85 (2135) | | 85 (2135) | |
| 178 (4515) | | 178 (4515) | |
| 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) | |
| 76.2 (1937) | | 76.2 (1937) | |
| 14.9 (378) | | 14.9 (378) | |
| 91.1 (2315) | | 91.1 (2315) | |
| 74.3 (1888) | | 74.3 (1888) | |
| Yes | | Yes | |
| 10.7 / 10.5 (17.2 / 16.9) | | 10.6 / 10.3 (17 / 16.6) | |
| 11.3 / 11.2 (18.3 / 18.0) | | N/A | |
| 119 / 119 (.60 / .60) | | 110 / 110 (.56 / .56) | |
| 106 / 106 (.54 / .54) | | 99 / 99 (.50 / .50) | |
| 113 / 113 (.57 / .57) | | 105 / 105 (.53 / .53) | |
| 102 / 88 (.52 / .45) | | 102 / 88 (.52 / .45) | |
| 95 / 66 (.48 / .36) | | 95 / 66 (.48 / .36) | |
| 105 / 85 (.53 / .43) | | 106 / 88 (.54 / .45) | |
| 4576 / 1852 | 4620 / 1852 | 3938 / 1852 | |
| 4900 / 1852 | | N/A | |
| 3300 / 1852 | 2800 / 1852 | 2600 / 1852 | |
| 3700 / 1852 | 3225 / 1852 | N/A | |
| 32.0 / 19.9 | 28.2 / 19.9 | 27.2 / 19.9 | |
| 34.6 / 19.9 | | N/A | |
| 21.5 / 19.9 | 18.0 / 18.0 | 16.9 / 16.9 | |
| 25.0 / 19.9 | 23.0 / 19.9 | N/A | |
| Power | | Power | |
| 9223 (4184) | | 9223 (4184) | |
| 14722 (6678) | | 14722 (6678) | |
| 3442 / 5781 (1561 / 2622) | | 3442 / 5781 (1561 / 2622) | |
| 12728 / 1994 (5773 / 904) | | 12728 / 1994 (5773 / 904) | |
| 2 / 2 | | 2 / 2 | |
| 21x8x15 | | 21x8x15 | |
| 16x6x10.5 | | 16x6x10.5 | |
| 56.3 (1430) | | 56.3 (1430) | |
| 35.6 (905) | | 35.6 (905) | |
| 3.6 (91) | | 3.6 (91) | |
| 4.9 (125) | | 4.9 (125) | |
| Foot / Hydraulic | | Foot / Hydraulic | |
| Hand / Mechanical | | Hand / Mechanical | |
| Maintenance Free | | Maintenance Free | |
| 12 / 475 | | 12 / 475 | |
| GM | | Mazda | |
| 62.0 (46.2) | 63.0 (47.0) | 46.5 (34.7) | |
| 123 (17.0)@2650 | 124 (17.1)@2650 | 94 (13.0) @ 1800 | |
| 4 / 146.5 / 2.4 | | 4 / 134.3 / 2.2 | |
| Electronically Controlled Powershift | | Electronically Controlled Powershift | |
| 1 / 1 | | 1 / 1 | |
| 2 / 1 | | N/A | |
| 78 | | 78 | |
| 8.0 (30.1) | | 8.0 (30.1) | |
| N/A | 10.6 (40) | N/A | |
| 2250 (15.5) | | 2250 (15.5) | |



| Yale | | Yale | |
|---|-----------------|--------------------------------------|--|
| GM 2.4L Techtronix 100/200 & Techtronix 200X | | Mazda 2.2L Techtronix 100 | |
| Productivity | | Value | |
| 6000 (2722) | | 6000 (2722) | |
| 24 (610) | | 24 (610) | |
| LPG | Gas | LPG | |
| Seated Rider | | Seated Rider | |
| 13.8 (350) | | 13.8 (350) | |
| Cushion / Cushion | | Cushion / Cushion | |
| 2 / 2 | | 2 / 2 | |
| 126 (3209) | | 126 (3209) | |
| 5 (140) | | 5 (140) | |
| 39.5 (1005) | | 39.5 (1005) | |
| 38.5 (980) | | 38.5 (980) | |
| 2 x 4.9 X 42 (50X125X1067) | | 2 x 4.9 X 42 (50X125X1067) | |
| 35.5 (902) | | 35.5 (902) | |
| 5 X 8 | | 5 X 8 | |
| 92.8 (2356) | | 92.8 (2356) | |
| 43.6 (1108) / 48.9 (1242) | | 43.6 (1108) / 48.9 (1242) | |
| 87 (2185) | | 87 (2185) | |
| 175 (4435) | | 175 (4435) | |
| 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) | |
| 81.3 (2066) | | 81.3 (2066) | |
| 15.2 (385) | | 15.2 (385) | |
| 96.5 (2451) | | 96.5 (2451) | |
| 76.7 (1948) | | 76.7 (1948) | |
| Yes | | Yes | |
| 10.7 / 10.5 (17.2 / 16.9) | | 10.6 / 10.3 (17 / 16.6) | |
| 11.3 / 11.2 (18.3 / 18.0) | | N/A | |
| 104 / 104 (.53 / .53) | | 97 / 97 (.49 / .49) | |
| 102 / 102 (.52 / .52) | | 95 / 95 (.48 / .48) | |
| 110 / 110 (.56 / .56) | | 102 / 102 (.52 / .52) | |
| 102 / 88 (.52 / .45) | | 102 / 88 (.52 / .45) | |
| 98 / 66 (.50 / .34) | | 98 / 66 (.50 / .34) | |
| 107 / 85 (.54 / .43) | | 107 / 88 (.54 / .45) | |
| 4553 / 1982 | 4614 / 1892 | 3915 /1892 | |
| 4900 / 1892 | | N/A | |
| 3100 / 1892 | 2650 / 1892 | 2550 / 1892 | |
| 3350 / 1892 | | N/A | |
| 29.1 / 19.9 | 25.7 / 19.9 | 24.7 / 19.9 | |
| 31.5 / 19.9 | | N/A | |
| 20.0 / 19.9 | 17.5 / 17.5 | 16.0 / 16.0 | |
| 20.2 / 19.9 | | N/A | |
| Power | | Power | |
| 9838 (4462) | | 9838 (4462) | |
| 15838 (7184) | | 15838 (7184) | |
| 3516 / 6322 (1595 / 2868) | | 3516 / 6322 (1595 / 2868) | |
| 13698 / 2140 (6213 / 971) | | 13698 / 2140 (6213 / 971) | |
| 2 / 2 | | 2 / 2 | |
| 21x8x15 | | 21x8x15 | |
| 16x6x10.5 | | 16x6x10.5 | |
| 56.3 (1430) | | 56.3 (1430) | |
| 35.6 (905) | | 35.6 (905) | |
| 3.6 (91) | | 3.6 (91) | |
| 4.9 (125) | | 4.9 (125) | |
| Foot / Hydraulic | | Foot / Hydraulic | |
| Hand / Mechanical | | Hand / Mechanical | |
| Maintenance Free | | Maintenance Free | |
| 12 / 475 | | 12 / 475 | |
| GM | | Mazda | |
| 62.0 (46.2) | 63.0 (47.0) | 46.5 (34.7) | |
| 123 (17.0)@2650 | 124 (17.1)@2650 | 94 (13.0) @ 1800 | |
| 4 / 146.5 / 2.4 | | 4 / 134.3 / 2.2 | |
| Electronically Controlled Powershift | | Electronically Controlled Powershift | |
| 1 / 1 | | 1 / 1 | |
| 2 / 1 | | N/A | |
| 78 | | 78 | |
| 8.0 (30.1) | | 8.0 (30.1) | |
| N/A | 10.6 (40) | 10.6 (40) | |
| 2250 (15.5) | | 2250 (15.5) | |

| Yale | | Yale | | Yale | |
|---|-----------------------|--------------------------------------|-----------------------|--------------------------------------|--|
| GM 2.4L Techtronix 200 & Techtronix 200X | | GM 2.4L Techtronix 100 | | Mazda 2.2L Standard Electronic | |
| Productivity | | Value | | VX | |
| 7000 (3175) | | 7000 (3175) | | 7000 (3175) | |
| 24 (610) | | 24 (610) | | 24 (610) | |
| LPG | Gas | LP | Gas | LPG | |
| Seated Rider | | Seated Rider | | Seated Rider | |
| 13.8 (350) | | 13.8 (350) | | 13.8 (350) | |
| Cushion / Cushion | | Cushion / Cushion | | Cushion / Cushion | |
| 2 / 2 | | 2 / 2 | | 2 / 2 | |
| 126 (3209) | | 126 (3209) | | 126 (3209) | |
| 5 (140) | | 5 (140) | | 5 (140) | |
| 39.5 (1005) | | 39.5 (1005) | | 39.5 (1005) | |
| 38.5 (980) | | 38.5 (980) | | 38.5 (980) | |
| 2 x 4.9 X 42 (50X125X1067) | | 2 x 4.9 X 42 (50X125X1067) | | 2 x 4.9 X 42 (50X125X1067) | |
| 35.5 (902) | | 35.5 (902) | | 35.5 (902) | |
| 5 X 8 | | 5 X 8 | | 5 X 8 | |
| 94.7 (2406) | | 94.7 (2406) | | 94.7 (2406) | |
| 46 (1158) / 48.9 (1242) | | 46 (1158) / 48.9 (1242) | | 46 (1158) / 48.9 (1242) | |
| 87 (2185) | | 87 (2185) | | 87 (2185) | |
| 175 (4435) | | 175 (4435) | | 175 (4435) | |
| 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) | | 84 (2128) / 82 (2061) | |
| 83.4 (2119) | | 83.4 (2119) | | 83.4 (2119) | |
| 15.2 (385) | | 15.2 (385) | | 15.2 (385) | |
| 98.6 (2504) | | 98.6 (2504) | | 98.6 (2504) | |
| 78.4 (1991) | | 78.4 (1991) | | 78.4 (1991) | |
| Yes | | Yes | | Yes | |
| 10.7 / 10.5 (17.2 / 16.9) | | 10.7 / 10.5 (17.2 / 16.9) | | 10.6 / 10.3 (17 / 16.6) | |
| 11.3/11.2 (18.3 / 18.0) | | N/A | | N/A | |
| 104 / 104 (.53 / .53) | 94 / 104 (.48 / .53) | 104 / 104 (.53 / .53) | 94 / 104 (.48 / .53) | 88 / 97 (.45 / .49) | |
| 102 / 102 (.52 / .52) | 92 / 102 (.47 / .52) | 102 / 102 (.52 / .52) | 92 / 102 (.47 / .52) | 86 / 95 (.44 / .48) | |
| 110 / 110 (.56 / .56) | 100 / 110 (.51 / .56) | 110 / 110 (.56 / .56) | 100 / 110 (.51 / .56) | 93 / 102 (.47 / .52) | |
| 102 / 88 (.52 / .45) | | 102 / 88 (.52 / .45) | | 102 / 88 (.52 / .45) | |
| 98 / 66 (.50 / .34) | | 98 / 66 (.50 / .34) | | 98 / 66 (.50 / .34) | |
| 107 / 85 (.54 / .43) | | 107 / 88 (.54 / .45) | | 107 / 88 (.54 / .45) | |
| 4520 / 1702 | 4603 / 1702 | 4520 / 1702 | 4603 / 1702 | 3822 / 1702 | |
| 4900 / 1702 | | N/A | | N/A | |
| 3000 / 1702 | 2600 / 1702 | 3000 / 1702 | 2600 / 1702 | 2600 / 1702 | |
| 3700 / 1702 | | N/A | | N/A | |
| 25.7 / 16.5 | 22.7 / 16.5 | 25.7 / 16.5 | 22.7 / 16.5 | 21.8 / 16.5 | |
| 28.0 / 16.5 | | N/A | | N/A | |
| 17.0 / 16.5 | 15.0 / 15.0 | 17.0 / 16.5 | 15.0 / 15.0 | 14.0 / 14.0 | |
| 21.0 / 16.5 | 17.5 / 16.5 | N/A | | N/A | |
| Power | | Power | | Power | |
| 10604 (4810) | | 10604 (4810) | | 10604 (4810) | |
| 17604 (7985) | | 17604 (7985) | | 17604 (7985) | |
| 3310 / 7294 (1501 / 3309) | | 3310 / 7294 (1501 / 3309) | | 3310 / 7294 (1501 / 3309) | |
| 15189 / 2415 (6890 / 1095) | | 15189 / 2415 (6890 / 1095) | | 15189 / 2415 (6890 / 1095) | |
| 2 / 2 | | 2 / 2 | | 2 / 2 | |
| 21x9x15 | | 21x9x15 | | 21x9x15 | |
| 16x7x10.5 | | 16x7x10.5 | | 16x7x10.5 | |
| 56.3 (1430) | | 56.3 (1430) | | 56.3 (1430) | |
| 36.66 (929) | | 36.66 (929) | | 36.66 (929) | |
| 91 | | 91 | | 91 | |
| 125 | | 125 | | 125 | |
| Foot / Hydraulic | | Foot / Hydraulic | | Foot / Hydraulic | |
| Hand / Mechanical | | Hand / Mechanical | | Hand / Mechanical | |
| Maintenance Free | | Maintenance Free | | Maintenance Free | |
| 12 / 475 | | 12 / 475 | | 12 / 475 | |
| GM | | GM | | Mazda | |
| 62.0 (46.2) | 63.0 (47.0) | 62.0 (46.2) | 63.0 (47.0) | 46.5 (34.7) | |
| 123 (17.0) @ 2650 | 124 (17.1) @ 2650 | 123 (17.0) @ 2650 | 124 (17.1) @ 2650 | 94 (13.0) @1800 | |
| 4 / 146.5 / 2.4 | | 4 / 146.5 / 2.4 | | 4 / 122 / 2.0 | |
| Electronically Controlled Powershift | | Electronically Controlled Powershift | | Electronically Controlled Powershift | |
| 1 / 1 | | 1 / 1 | | 1 / 1 | |
| 2 / 1 | | N/A | | N/A | |
| 78 | | 78 | | 78 | |
| 8.0 (30.1) | | 8.0 (30.1) | | 8.0 (30.1) | |
| N/A | 10.6 (40) | 10.6 (40) | | 13.7 (52) | |
| 2250 (15.5) | | 2250 (15.5) | | 2250 (15.5) | |

GENERAL

DIMENSIONS

PERFORMANCE

WT.

WHEELS & TIRES

TRANS. & POWER UNIT



Steer Axle is constructed of cast steel and is rubber shock mounted to the frame for reduced wear and vibration. The CSE (Continuous Stability Enhancement) system enhances lateral truck stability through reduced steer axle articulation, while simultaneously allowing uncompromised uneven surface travel.

Chassis designed by state-of-the-art finite element methods contains a rugged, unitized frame structure with a low step for simple entrance to the operator's compartment. Ergonomically designed overhead guard is bar type for excellent visibility and reduced noise.

Operator's Compartment features cowl mounted hydraulic control levers positioned on the right side of the steering column. Optional Accutouch or Palmtech electro-hydraulic controls are integrated into the operator's right-side armrest allowing superior ergonomic actuation. Automotive-style pedal arrangement with a large, single inch/brake pedal is standard. Tilt cylinders are located beneath the floor for uncluttered space. Rubber floor mat reduces noise and vibration. Floorplate can be removed without tools for excellent service access. Low step height and a convenient hand grip provide easy entry and exit to and from the truck.

Intellix VSM acts as a master truck controller, providing extensive monitoring and control of truck functions and systems. CANbus technology reduces wiring complexity and enables comprehensive communications between truck systems. The ergonomically positioned dash display transmits continual feedback to the operator and allows for communication of service codes. Comprehensive on-board diagnostics enable quick and easy troubleshooting. The electrical system features sealed connectors and Hall Effect sensors for superior dependability.

Hydraulic System incorporates a gear type pump, cast iron body for quiet efficiency. The system is protected from overloads by a main relief valve for the lift circuit and a secondary relief valve for tilt and auxiliary functions. Oil is double filtered through a 100 mesh suction line strainer and 10 micron return line filter. Hydraulic tank is integrated into the frame. For Accutouch electro-hydraulic controls, an emergency lowering valve is provided to allow the load to be lowered in the event of power loss. O-ring face seal fittings are used in all high pressure hydraulic connections.

Yale Global Hi-Vis™ Masts are available in 2 Stage LFL, 2 Stage FFL, 3 Stage FFL, and 4 Stage FFL models. Mast features flush-faced design with geometrically matched, angled load roller bearings which are canted, yet provide full-face roller contact. The mast front rail flange angle coupled

with the inverted "J" inner channel and three degree mast rollers significantly reduce channel and roller wear. "J-hook" mast mounting system allows for convenient mast installation and removal. A non-metallic phenolic mast pivot bushing with woven reinforcement offers high load carrying capability with outstanding durability.

Options

Powertrain protection system
Premium monitoring package
High air intake with precleaner
Accumulator
Keyless start (w/auxiliary key switch)
LED brake and back-up lights
Headlights and rear drive lights
Traction speed limiter
Heavy-duty "Combi Cooler" radiator
Swing-out, drop-down EZ-Tank Bracket
Accutouch, electro-hydraulic control
Return-to-set tilt
Rear drive handle with horn button
Swivel full suspension seat
Foot Directional Control pedal
Quick disconnect with extension tubes
10° forward/5° backward tilt
Operator password
Mirros - dual side view
Alarm-Reverse Actuated 82-102 dB(A) - Self-Adjusting
Amber Strobe Light - Continuous Activated
Paper Applications Kit

| Standard Lift Specifications | | | | | | Approx. Truck Weight | | |
|------------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------|----------------------|--------------------|--------------------|
| Model | O.A.H. in (mm) | Free Fork Height w/o LBR in (mm) | Max Fork Height in (mm) | Extended Height w/LBR in (mm) | Tilt Rwd - Fwd | GC40VX Lbs (Kg) | GC50VX Lbs (Kg) | GC55VX Lbs (Kg) |
| 2 Stage LFL | 61 (1535) | 5 (140) | 82 (2092) | 131 (3315) | 8° / 5° | 7621 (3457) | 8404 (3812) | 9008 (4086) |
| | 85 (2135) | 5 (140) | 129 (3292) | 178 (4515) | 8° / 5° | 7837 (3555) | 8621 (3910) | 9223 (4184) |
| 2 Stage FFL | 85 (2135) | 60 (1575) | 130 (3302) | 179 (4525) | 8° / 5° | 7875 (3572) | 8658 (3927) | 9262 (4201) |
| | 77 (1935) | 53 (1395) | 171 (4350) | 220 (5575) | 5° / 5° | 8117 (3682) | 8900 (4037) | 9504 (4311) |
| | 83 (2085) | 59 (1545) | 189 (4800) | 238 (6025) | 5° / 5° | 8192 (3716) | 8975 (4071) | 9579 (4345) |
| | 85 (2135) | 61 (1595) | 194 (4950) | 243 (6175) | 5° / 5° | 8217 (3727) | 9000 (4082) | 9603 (4356) |
| | 88 (2235) | 65 (1695) | 200 (5100) | 249 (6325) | 5° / 5° | 8263 (3748) | 9046 (4103) | 9650 (4377) |
| 4 Stage FFL | 94 (2385) | 82 (2145) | 218 (5550) | 267 (6775) | 5° / 5° | 8345 (3785) | 9127 (4140) | 9731 (4414) |
| | 85 (2133) | 61 (1595) | 240 (6095) | 286 (7321) | 4° / 5° | 8759 (3973) | 9542 (4328) | 10146 (4602) |
| | 96 (2437) | 73 (1895) | 276 (7015) | 322 (8236) | 4° / 5° | 8955 (4062) | 9738 (4417) | 10342 (4691) |

Note: GC40VX & GC50VX have standard 21 x 7 x 15 drive tires @ 42.1 inch (1070mm) overall width
GC55VX have standard 21 x 8 x 15 drive tires @ 43.6 inch (1108mm) overall width

| Standard Lift Specifications | | | | | | Approx. Truck Weight | |
|------------------------------|-------------------|--|----------------------------|-------------------------------------|-------------------|----------------------|--------------------|
| Model | O.A.H. in (mm) | Free Fork Height w/o LBR in (mm) | Max Fork Height in (mm) | Extended Height w/LBR in (mm) | Tilt Rwd - Fwd | GC60VX Lbs (Kg) | GC70VX Lbs (Kg) |
| 2 Stage LFL | 87 (2185) | 5 (150) | 126 (3209) | 175 (4435) | 8° / 5° | 9838 (4462) | 10604 (4810) |
| 2 Stage FFL | 85 (2135) | 56 (1490) | 122 (3110) | 171 (4335) | 5° / 5° | 9857 (4471) | 10624 (4819) |
| | 88 (2235) | 60 (1590) | 130 (3310) | 179 (4535) | 5° / 5° | 9892 (4487) | 10659 (4835) |
| 3 Stage FFL | 85 (2135) | 57 (1505) | 181 (4618) | 231 (5845) | 5° / 5° | 10196 (4625) | 10964 (4973) |
| | 88 (2235) | 61 (1605) | 187 (4768) | 236 (5995) | 5° / 5° | 10241 (4645) | 11008 (4993) |
| | 98 (2485) | 71 (1855) | 211 (5368) | 260 (6595) | 5° / 5° | 10375 (4706) | 11142 (5054) |
| | 104 (2635) | 77 (2005) | 229 (5818) | 278 (7045) | 5° / 5° | 10565 (4792) | 11332 (5140) |
| 4 Stage FFL | 83.9 (2133) | 58 (1473) | 240 (6108) | 286 (7321) | 4° / 5° | 10580 (4799) | 11347 (5147) |
| | 95.9 (2437) | 70 (1777) | 276 (7023) | 322 (8236) | 4° / 5° | 10776 (4888) | 11544 (5236) |

Note: GC60VX have standard 21 x 8 x 15 drive tires @ 43.6 inch (1108mm) overall width
GC70VX have standard 21 x 9 x 15 drive tires @ 45.6 inch (1158mm) overall width

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

This truck meets all design specifications of ANSI B56.1 Safety Standard for Powered Industrial Trucks at the time of manufacture. Classified by Underwriters' Laboratories, Inc. as to fire hazard only for type "E" and optional "EE" for industrial trucks.

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

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2227-1-07/08-100

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