



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.

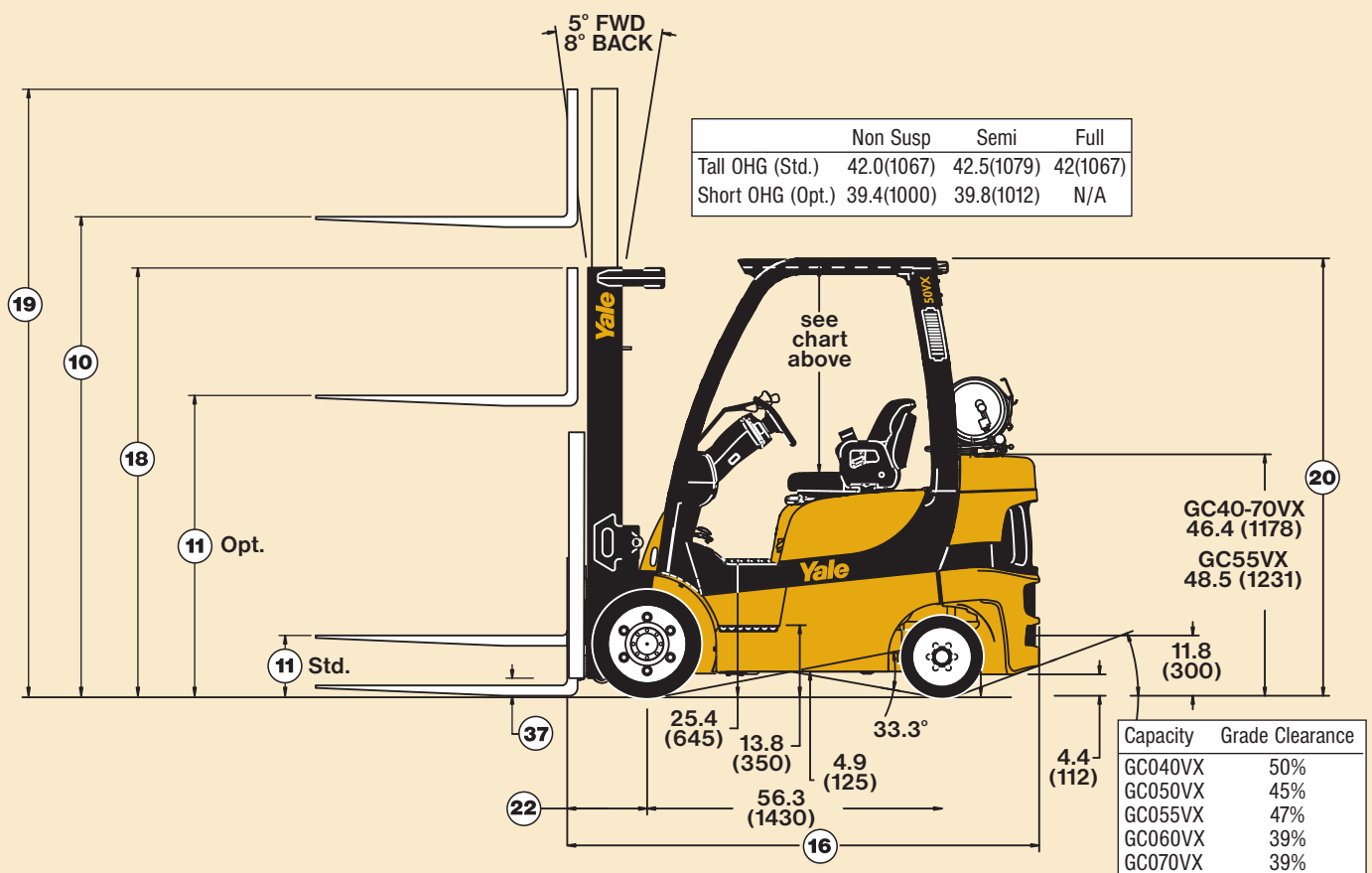
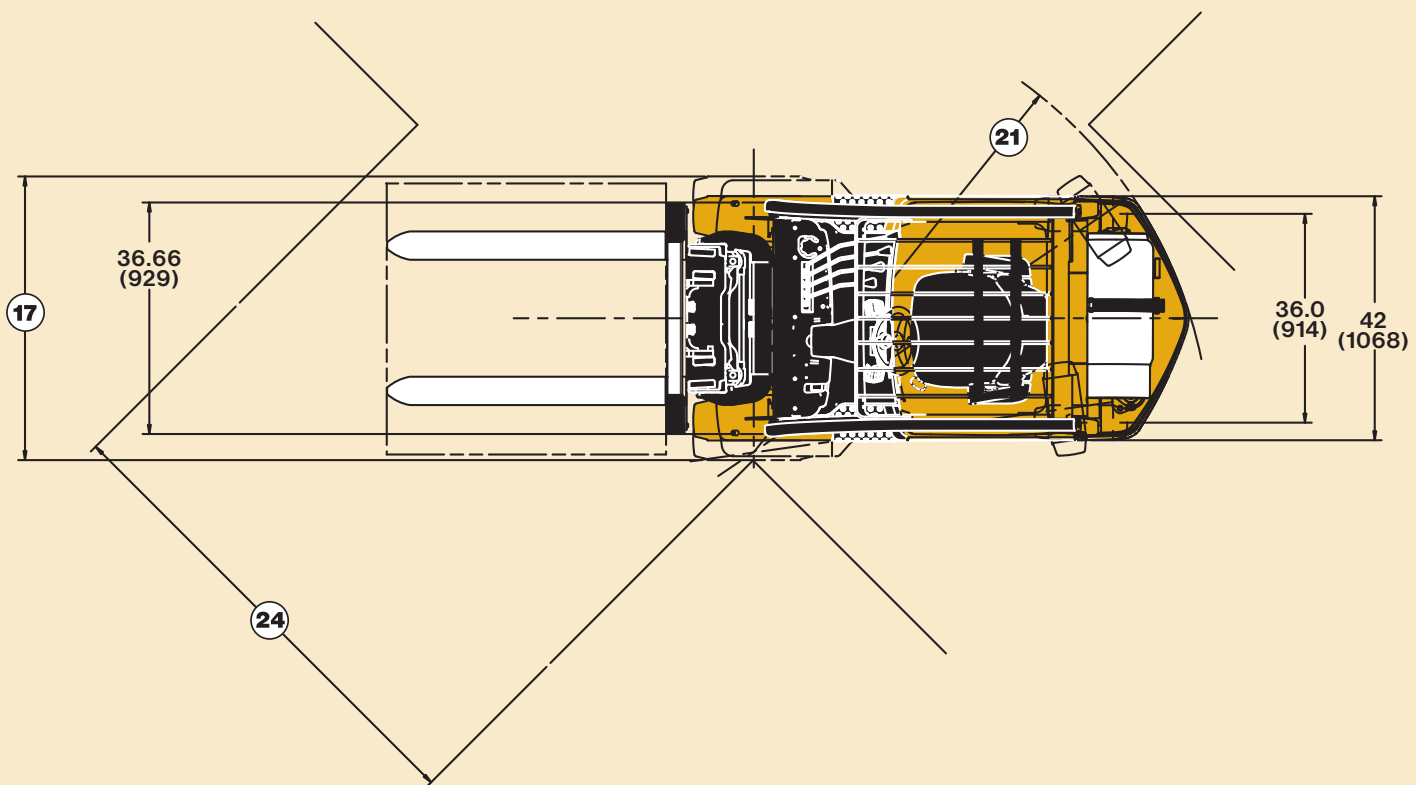
Drive Axle

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		1	GENERAL
GM 2.4L Techtronix 200 & Techtronix 200X		GM 2.4L Techtronix 100		Mazda 2.2L Standard Electronic			
Productivity		Value		VX		2	
7000 (3175)		7000 (3175)		7000 (3175)		3	
24 (610)		24 (610)		24 (610)		4	
LPG	Gas	LP	Gas	LPG		5	
Seated Rider		Seated Rider		Seated Rider		6	
13.8 (350)		13.8 (350)		13.8 (350)		7	
Cushion / Cushion		Cushion / Cushion		Cushion / Cushion		8	
2 / 2		2 / 2		2 / 2		9	
126 (3209)		126 (3209)		126 (3209)		10	
5 (140)		5 (140)		5 (140)		11	
39.5 (1005)		39.5 (1005)		39.5 (1005)		12	
38.5 (980)		38.5 (980)		38.5 (980)		12	
2 x 4.9 X 42 (50X125X1067)		2 x 4.9 X 42 (50X125X1067)		2 x 4.9 X 42 (50X125X1067)		13	
35.5 (902)		35.5 (902)		35.5 (902)		14	
5 X 8		5 X 8		5 X 8		15	
94.7 (2406)		94.7 (2406)		94.7 (2406)		16	
46 (1158) / 48.9 (1242)		46 (1158) / 48.9 (1242)		46 (1158) / 48.9 (1242)		17	
87 (2185)		87 (2185)		87 (2185)		18	
175 (4435)		175 (4435)		175 (4435)		19	
84 (2128) / 82 (2061)		84 (2128) / 82 (2061)		84 (2128) / 82 (2061)		20	
83.4 (2119)		83.4 (2119)		83.4 (2119)		21	
15.2 (385)		15.2 (385)		15.2 (385)		22	
98.6 (2504)		98.6 (2504)		98.6 (2504)		23	
78.4 (1991)		78.4 (1991)		78.4 (1991)		24	
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)		25	
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)		26	
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)		27	
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		28	
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		29	
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		30	
10604 (4810)		10604 (4810)		10604 (4810)		31	
17604 (7985)		17604 (7985)		17604 (7985)		32	
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		33	
21x9x15		21x9x15		21x9x15		34	
16x7x10.5		16x7x10.5		16x7x10.5		35	
56.3 (1430)		56.3 (1430)		56.3 (1430)		36	
36.66 (929)		36.66 (929)		36.66 (929)		37	
91		91		91		38	
125		125		125		39	
Foot / Hydraulic		Foot / Hydraulic		Foot / Hydraulic		40	
Hand / Mechanical		Hand / Mechanical		Hand / Mechanical		41	
Maintenance Free		Maintenance Free		Maintenance Free		42	
12 / 475		12 / 475		12 / 475		43	
GM		GM		Mazda		44	
62.0 (46.2)	63.0 (47.0)	62.0 (46.2)	63.0 (47.0)	46.5 (34.7)		45	
123 (17.0) @ 2650	124 (17.1) @ 2650	123 (17.0) @ 2650	124 (17.1) @ 2650	94 (13.0) @1800		46	
4 / 146.5 / 2.4		4 / 146.5 / 2.4		4 / 122 / 2.0		47	
Electronically Controlled Powershift		Electronically Controlled Powershift		Electronically Controlled Powershift		48	
1 / 1		1 / 1		1 / 1		49	
2 / 1		N/A		N/A		50	
78		78		78		51	
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)			



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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