

**Standard Lift Specifications**  
(For other available mast heights - contact your Yale Dealer)

Model	O.A.H. in./mm.	Free Fork Ht. in./mm.	Max. Fork Ht. in./mm.	Tilt Fwd/Bwd	Drive Tire Size	O.A.W. in./mm.
<b>GP040/050RG – GP050TG</b>						
Simplex	80/2022	5.5/140	119/3032	6/10	700x12	45.5
	86/2172	5.5/140	131/3332	6/10	700x12	45.5
	94/2372	5.5/140	146/3732	6/10	700x12	45.5
	96/2422	5.5/140	150/3832	6/10	700x12	45.5
	110/2772	5.5/140	▲170/4332	6/6	700x12	45.5
Duplex	119/3022	5.5/140	▲190/4832	6/6	700x12	45.5
	80/2022	*60/1525	119/3022	6/10	700x12	45.5
	86/2172	*65/1675	130/3322	6/10	700x12	45.5
	96/2422	*75/1925	150/3822	6/10	700x12	45.5
	78/1972	*54/1389	▲171/4350	6/6	700x12	45.5
Triplex	80/2022	*56/1439	▲177/4500	6/6	700x12	45.5
	84/2122	*60/1539	▲189/4800	6/6	700x12	45.5
	86/2172	*62/1589	▲194/4950	6/6	700x12	45.5
	90/2272	*66/1689	▲200/5100	6/6	700x12	45.5
	96/2422	*72/1839	▲218/5550	6/6	700x12	45.5
<b>GP060TG</b>						
Simplex	81/2047	5.7/145	114/2904	6/10	28X9X15	47.4
	87/2197	5.7/145	126/3204	6/10	28X9X15	47.4
	97/2447	5.7/145	145/3704	6/10	28X9X15	47.4
	111/2797	5.7/145	165/4204	6/10	28X9X15	47.4
	120/3047	5.7/145	▲185/4704	6/6	28X9X15	47.4
Duplex	81/2047	*57/1448	114/2905	6/10	28X9X15	47.4
	87/2197	*62/1598	126/3205	6/10	28X9X15	47.4
	97/2447	*72/1848	145/3705	6/10	28X9X15	47.4
	79/1997	*53/1349	163/4163	6/6	28X9X15	47.4
	85/2147	*59/1499	▲181/4613	6/6	28X9X15	47.4
Triplex	87/2197	*61/1549	▲187/4763	6/6	28X9X15	47.4
	91/2297	*64/1649	▲193/4913	6/6	28X9X15	47.4
	97/2447	*70/1799	▲211/5363	6/6	28X9X15	47.4

▲Reduced capacity - Contact Your Yale Industrial Truck Dealer.

\*Without Backrest - With Backrest Subtract 48 inches (1220 mm) from Mast Overall Height.

**Lift and Lower Speeds, Weights**

Model	Lift Speed	Lift Speed	Lower Speed	*Weights
	Gas/CNG/LPG Empty/Loaded	Diesel Empty/Loaded	Gas/CNG/LPG Diesel Empty/Loaded	
<b>GP40RG</b>				
Simplex	118/107	120/120	83/99	7974
Duplex	107/97	110/102	83/99	8018
Triplex	113/102	108/101	83/99	8378
<b>GP50RG</b>				
Simplex	118/104	120/108	83/99	8749
Duplex	107/97	110/101	83/99	8793
Triplex	113/99	108/99	83/99	9153
<b>GP50TG</b>				
Simplex	130/114	120/108	83/99	8749
Duplex	117/104	110/101	83/99	8793
Triplex	123/109	108/99	83/99	9753
<b>GP60TG</b>				
Simplex	114/99	104/95	83/99	9819
Duplex	111/97	110/93	83/99	9860
Triplex	110/96	110/91	83/99	10,218

\*Based on 86" (4000-5000 lb Capacities) or 87" (6000 lb Capacities) O.A.H. Mast.

(continued from front page)

pump and a high capacity, cross-flow radiator ensure rapid heat dissipation. The sealed cooling system operates at a pressure of 13 psi (0.9 kg/cm<sup>2</sup>) 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.

**Drive Axle** has a three-piece housing for simplified maintenance. Torque transmission occurs through an industrial hypoid ring gear and pinion differential assembly. Axle shafts are full-floating, and the wheels are mounted on heavy-duty tapered roller bearings.

**Brake System** duo-servo hydraulic brakes are self-energizing and self-adjusting. The Master Cylinder has a dual circuit design with one circuit connected to each brake, ensuring positive braking in the event of a failure on one side. Sealed fluid reservoir features a magnetic fluid level sensor which activates an optional warning lamp located on the instrument panel. Asbestos-free brake linings are bonded to steel shoes and act against a cast iron drum. Independent, hand-adjustable parking brake with push button locking activates audible reminder alarm.

**Hydrostatic Power Steering** provides responsive control and eliminates mechanical linkage for reduced road shock and simplified maintenance. Steer wheel is 15 inches (381 mm) in diameter with a textured surface and requires just four turns lock-to-lock. The tilt angle of the steering wheel is adjustable to four positions by releasing the hand operated latch on the steer column. The center-mounted steering cylinder is located within the confines of the steer axle for protection.

**Steer Axle** is constructed of heavy steel and is rubber shock mounted to the frame for reduced wear and vibration. Controlled articulation of the axle maintains four-wheel contact on uneven surfaces. Six lubrication points, adjustment free steering knuckles and tapered roller bearings reduce wear and service requirements.

**Chassis** designed by state-of-the-art finite element methods, contains a rugged, unitized frame structure with a low, open top step for simple entrance to the operator's compartment. Isolastically suspended cab is connected to the frame through specially-tuned rubber mounts which dampen road shock and maintain rigid frame integrity. Overhead guard is bar type of excellent visibility and reduced noise with replaceable rear legs.

**Operator's Compartment** features ergonomically designed hydraulic control levers positioned on the right side of the operator. Third lever controls both third and fourth hydraulic functions to prevent accidental release of clamped loads. Automotive style pedal arrangement with a large, single inch/brake pedal is standard. Tilt cylinders are located beneath the floor for uncluttered space. Anti-slip pads are placed on steps and edges for sure footing. Rubber floor mat reduces noise and vibration. Located for ease of accessibility, a convenience box provides a secure place to stow paperwork and writing utensils.

**Hydraulic System** is powered by a direct drive centrifugal gear pump with a built-in flow divider to provide priority flow to the steering system for excellent steering under all operating conditions. Oil is filtered by a strainer located within the 12.0 gallon (45.3 liter) tank and by a disposable 10 micron return line filter. A pilot operated relief valve protects the system from overload.

**Yale Global Hi-Vis Mast** is available in simplex, duplex, and triplex models. Mast features flush face design with geometrically matched, angled load rollers which are canted, yet provide full-face roller contact. The mast front rail flange angle coupled with the inverted "J" inner channel and 3 degree mast rollers, significantly reduce channel web milling and roller wear. Top accessible, "J-hook" mast mounting system for convenient mast installation and removal. The J-hook mounting is standardized to allow direct mast interchangeability on a variety of Yale truck models without modification. Bronze steel backed bushings reduces mounting wear.

**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.**

These trucks meet all applicable mandatory requirements 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 types G, LP, G/LP (standard) and GS, LPS and GS/LPS (optional), D (standard) and DS (optional) industrial trucks.

Yale® Industrial Trucks are equipped with certain safety devices as standard equipment. For example, all high lift trucks are furnished with a load backrest extension and high lift rider trucks with an operator's overhead guard and operator's restraint. When remote elevating control is specified, an operator's work platform is supplied.

**Yale will supply only trucks equipped with required safety devices and strongly urges that these trucks be operated with the safety devices supplied.**

Yale will not assume any liability for injuries or damage arising from or caused by the removal of any safety devices from any of its products.

**Yale GP-RG and TG Series** Pneumatic Lift Trucks are available in several fuel and engine options, including Gasoline, Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG), and Diesel Powered. The RG and TG Series offer a wide-range of features designed around *the operator*, resulting in a quiet, comfortable, easy to drive performer.

**The GP-RG and TG Series** feature an ergonomically designed, isolastically suspended operator's compartment designed to improve operator comfort and productivity by reducing noise and vibration. A four-position tilt steering column and an adjustable vinyl-covered bucket seat with operator's hip restraints and retracting seat belt are standard. The instrument panel contains a fuel gauge, coolant temperature gauge, oil pressure lamp, charging system lamp, transmission oil temperature lamp, seat belt warning lamp, and an engine hour meter.

**Note: LPG and CNG do NOT have fuel gauge - Diesel Models Include Glow-Plug Lamp and Sedimentor Lamp.**

**Gas/LPG/CNG Engine Specifications**

**GP-RG Series**

Engine: Yale FE  
Cylinder: 4  
Camshaft: Overhead Valve  
Crankshaft: 5 Bearing Supported  
Displacement: 2.0L, 122 cu in  
Horsepower: 42.0 @ 2800 RPM  
Torque: 104.0 ft-lb (141 N-M) @ 1700 RPM

**GP-TG Series**

Engine: Yale F2  
Cylinder: 4  
Camshaft: Overhead Valve  
Crankshaft: 5 Bearing Supported  
Displacement: 2.2L, 133 cu in  
Horsepower: 46.0 @ 2800 RPM  
Torque: 113.0 ft-lb (153 N-M) @ 1700 RPM

**Engine Features**

**High Energy Ignition** (HEI) for increased spark plug life and starting ease, Vacuum Control Valve (VCV), idle-up device (to avoid stalling), and a cross-flow hemispherical head design. All of these features contribute to provide optimum power, while maintaining excellent fuel economy. Automatic choke is standard.

**Diesel Engine Specifications**

**GDP-RG Series**

Engine: Yale XA  
Cylinder: 4  
Camshaft: Overhead Valve  
Crankshaft: 5 Bearing Supported  
Displacement: 2.5L, 154 cu in  
Horsepower: 49.0 @ 2700 RPM  
Torque: 104.9 ft-lb (137 N-M) @ 1600 RPM

**GDP-TG Series**

Engine: Yale HA  
Cylinder: 4  
Camshaft: Overhead Valve  
Crankshaft: 5 Bearing Supported  
Displacement: 3.0 Liter  
Horsepower: 56.0 @ 2200 RPM  
Torque: 132 ft-lb (179 N-M) @ 1700 RPM

**Engine Features**

**Quick Start System** (QSS) for fast starting even in cold weather, Ricardo-type swirl combustion chambers, precise fuel injection, replaceable cylinder liners, alloy valves and

valve seats, and a Positive Crankcase Ventilation (PCV) system. These state-of-the-art features produce a clean burning, fuel-efficient power plant with proven durability.

**Fuel System** incorporates a 16.0 gallon, (60 liter) tank. Gas engine uses a single barrel, downdraft carburetor with an in-line fuel filter and mechanical fuel pump. Diesel engine features precisely metered fuel injection system with sedimentor. Optional LPG, CNG, and dual fuel systems are available.

**Transmission** is a single-range, powershift type with electric shift control. A single adjustable pedal controls both inching and braking. Control valve is externally mounted for ease of serviceability. Neutral start switch and Anti-Restart protection are standard. 100 mesh suction and 10 micron return line filtration protect the transmission from abrasive contaminants.

**Cooling system** employs a 15 inch (380 mm), white, six bladed pusher type fan with shroud. A permanently lubricated water

(continued on back page)

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**Manufactured in ISO 9002 Registered Facilities**

**Yale®**  
**Industrial Trucks**

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2218-4—2/01—150  
Printed in U.S.A.

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GENERAL	YALE		YALE		YALE		YALE				
	GP040RG	GDP040RG	GP050RG	GDP050RG	GP050TG	GDP050TG	GP060TG	GDP060TG			
1	Manufacturer	Manufacturer Name		YALE		YALE		YALE			
2	Type	Manufacturer Designation		GP040RG		GDP040RG		GDP040RG			
3	Capacity	Rated Capacity	lb. (kg.)	4000	1820	4000	1820	4000	1820		
4	With Loader Center At	Distance	in. (mm.)	24	600	24	600	24	600		
5	Power Type	Gasoline, LPG, CNG, Diesel		Gas/LPG/CNG		Diesel		Diesel			
6	Operator	Seated Rider		Seated Rider		Seated Rider		Seated Rider			
7	Step Height	in. (mm.)		20.4	518	20.4	518	20.4	518		
8	Tire Type	C = Cush, P - Pneu, Front/Rear		P	P	P	P	P	P		
9	Wheels	No. Front/Rear		2	2	2	2	2	2		
10	Lift Height	Lift Height, (Top Of Fork)	in. (mm.)	131	3330	131	3330	131	3330		
11	With Two Stage	Std. Free Lift (Top Of Fork)	in. (mm.)	5.5	140	5.5	140	5.5	140		
12	Mast	Max. Carriage Width	in. (mm.)	43.3	1100	43.3	1100	43.3	1100		
13	Forks	Thickness/Width/Length	in. (mm.)	1.5/5.0/42	40/125/1067	1.5/5.0/42	40/125/1067	1.5/5.0/42	40/125/1067		
14	Fork Spread	Outside Dimension	in. (mm.)	42	1065	42	1065	42	1065		
15	Tilt Of Mast	Forward/Backward	Degrees	6	8	6	8	6	8		
16	O'All Dimensions	Length to Face Of Forks	in. (mm.)	99.2	2520	99.2	2520	99.2	2520		
17		Overall Width	in. (mm.)	45.5	1155	45.5	1155	45.5	1155		
18		Height With Collapsed Mast	in. (mm.)	86.0	2170	86.0	2170	86.0	2170		
19		Height With Extended Mast With LBR	in. (mm.)	179.3	4555	179.3	4555	179.3	4555		
20		Height Of Overhead Guard	in. (mm.)	86.7	2202	86.7	2202	86.7	2202		
21	Turning Radius	Outside	in. (mm.)	85.4	2170	85.4	2170	85.4	2170		
22	Load Length	Front Overhang	in. (mm.)	18.5	470	18.5	470	18.5	470		
23	Aisle Width	Rt. Angle Stack (Add Length Of Load)	in. (mm.)	103.9	2640	103.9	2640	103.9	2640		
24	Equal Aisle	in. (mm.)	in. (mm.)	77.9	1980	77.9	1980	77.9	1980		
25	Speeds	Travel Loaded/Unloaded	mph (km/h)	11.1	11.6	17.8	18.6	11.5	11.8	18.5	19.0
26		Lift Loaded/Unloaded	ft./min. (mm/s)	108	550	118	600	110	560	120	610
27		Lowering Loaded/Unloaded	ft./min. (mm/s)	99	500	83	420	99	500	83	420
28	Drawbar Pull	Loaded/Unloaded	lb. (kg.)	3200	2955	1452	1340	3305	3020	1499	1370
29	Gradeability	Loaded/Unloaded (Loaded at 1.0 MPH)	%	27	33	27	33	30	33	30	33
30	Steering	Manual/Power		Power		Power		Power		Power	
31	Unloaded Weight	lb. (kg.)	lb. (kg.)	8012	3635	8210	3725	8970	4070	8772	3980
32	Axle Loads	Unloaded Front/Rear	lb. (kg.)	3869	4143	1755	1880	3979	4231	1805	1920
33	Tire Size	Front		7.00 x 12 - 12PR		7.00 x 12 - 12PR		7.00 x 12 - 12PR		7.00 x 12 - 12PR	
34		Rear		6.00 x 9 - 10PR		6.00 x 9 - 10PR		6.00 x 9 - 10PR		6.00 x 9 - 10PR	
35	Wheelbase	in. (mm.)	in. (mm.)	63.9	1623	63.9	1623	63.9	1623	63.9	1623
36	Tread	Center Of Tires Front/Rear	in. (mm.)	37.8	38.1	960	970	37.8	38.1	960	970
37	Ground Clearance	Unloaded at Lowest Point	in. (mm.)	5.2	132	5.2	132	5.2	132	5.2	132
38		Unloaded Center Of Wheelbase	in. (mm.)	6.3	160	6.3	160	6.3	160	6.3	160
39	Service Brake	Foot Hydraulic		Foot Hydraulic		Foot Hydraulic		Foot Hydraulic		Foot Hydraulic	
40	Parking Brake	Hand Mechanical		Hand Mechanical		Hand Mechanical		Hand Mechanical		Hand Mechanical	
41	Battery	Type		24-305		24LTV		24-305		24LTV	
42		Volt/Amp - Cold Cranking Amps	V/CCA	12	305	12	590	12	305	12	590
43	I.C. Engine	Mfgr./Model		Yale FE		Yale XA		Yale FE		Yale XA	
44		Permanent Output	hp at RPM	42	2700	49	2700	46	2700	56	2200
45		Torque	lb.-ft (kg/m)	104 @ 1700	14.4 @ 170	105 @ 1600	14.7 @ 1600	113 @ 1700	15.6 @ 1700	105 @ 1600	14.7 @ 1600
46		No. Of Cyls./Displacement	No./in. <sup>2</sup> (cc)	4	122	4	1998	4	154	4	2522
47	Transmission	With ICE Drive	Type	F1/R1		F1/R1		F1/R1		F1/R1	
48	Noise Level	LEQ	dB(A)	77		82		77		82	
49	Hydraulic Tank	Capacity	gal. (liter)	12.0	45.3	12.0	45.3	12.0	45.3	12.0	45.3
50	Fuel Tank	Capacity	gal. (liter)	16.0	60.0	16.0	60.0	16.0	60.0	16.0	60.0

YALE		YALE		YALE		YALE	
GP050RG	GDP050RG	GP050TG	GDP050TG	GP050RG	GDP050RG	GP050TG	GDP050TG
5000	2270	5000	2270	5000	2270	5000	2270
24	600	24	600	24	600	24	600
Gas/LPG/CNG		Diesel		Gas/LPG/CNG		Diesel	
Seated Rider		Seated Rider		Seated Rider		Seated Rider	
20.4	518	20.4	518	20.4	518	20.4	518
P	P	P	P	P	P	P	P
2	2	2	2	2	2	2	2
131	3330	131	3330	131	3330	131	3330
5.5	140	5.5	140	5.5	140	5.5	140
43.3	1100	43.3	1100	43.3	1100	43.3	1100
1.5/5.0/42	40/125/1067	1.5/5.0/42	40/125/1067	1.5/5.0/42	40/125/1067	1.5/5.0/42	40/125/1067
42	1065	42	1065	42	1065	42	1065
6	8	6	8	6	8	6	8
100.4	2550	100.4	2550	100.4	2550	100.4	2550
45.5	1155	45.5	1155	45.5	1155	45.5	1155
86.0	2170	86.0	2170	86.0	2170	86.0	2170
179.3	4555	179.3	4555	179.3	4555	179.3	4555
86.7	2202	86.7	2202	86.7	2202	86.7	2202
86.5	2198	86.5	2198	86.5	2198	86.5	2198
18.5	470	18.5	470	18.5	470	18.5	470
105.0	2668	105.0	2668	105.0	2268	105.0	2268
78.3	1990	78.3	1990	77.9	1980	77.9	1980
11.1	11.6	17.8	18.6	11.5	11.8	18.5	19.0
104	530	118	600	108	550	120	610
99	500	83	420	99	500	83	420
3200	2810	1452	1275	3305	2875	1499	1304
26	29	26	29	24	29	24	29
Power		Power		Power		Power	
8772	3980	8970	4070	8772	3980	8970	4070
4035	4737	1831	2149	4079	4891	1831	2149
7.00 x 12 - 12PR		7.00 x 12 - 12PR		7.00 x 12 - 12PR		7.00 x 12 - 12PR	
6.00 x 9 - 10PR		6.00 x 9 - 10PR		6.00 x 9 - 10PR		6.00 x 9 - 10PR	
63.9	1623	63.9	1623	63.9	1623	63.9	1623
37.8	38.1	960	970	37.8	38.1	960	970
5.2	132	5.2	132	5.2	132	5.2	132
6.3	160	6.3	160	6.3	160	6.3	160
Foot Hydraulic		Foot Hydraulic		Foot Hydraulic		Foot Hydraulic	
Hand Mechanical		Hand Mechanical		Hand Mechanical		Hand Mechanical	
24 - 305		24LTV		24 - 305		24LTV	
12	305	12	590	12	305	12	590
Yale FE		Yale XA		Yale F2		Yale XA	
42	2700	49	2700	46	2700	56	2200
104 @ 1700	14.4 @ 1700	105 @ 1600	14.7 @ 1600	113 @ 1700	15.6 @ 1700	105 @ 1600	14.7 @ 1600
4	122	4	1998	4	133	4	2184
F1/R1		F1/R1		F1/R1		F1/R1	
77		82		77		82	
12.0	45.3	12.0	45.3	12.0	45.3	12.0	45.3
16.0	60.0	16.0	60.0	16.0	60.0	16.0	60.0

YALE		YALE		YALE		YALE	
GP060TG	GDP060TG	GP060TG	GDP060TG	GP060TG	GDP060TG	GP060TG	GDP060TG
6000	2720	6000	2720	6000	2720	6000	2720
24	600	24	600	24	600	24	600
Gas/LPG/CNG		Diesel		Gas/LPG/CNG		Diesel	
Seated Rider		Seated Rider		Seated Rider		Seated Rider	
21.0	533	21.0	533	21.0	533	21.0	533
P	P	P	P	P	P	P	P
2	2	2	2	2	2	2	2
126.5	3215	126.5	3215	126.5	3215	126.5	3215
5.5	140	5.5	140	5.5	140	5.5	140
43.3	1100	43.3	1100	43.3	1100	43.3	1100
2.0/5.0/42	50/125/1067	2.0/5.0/42	50/125/1067	2.0/5.0/42	50/125/1067	2.0/5.0/42	50/125/1067
42	1065	42	1065	42	1065	42	1065
6	8	6	8	6	8	6	8
103.9	2638	103.9	2638	103.9	2638	103.9	2638
47.4	1205	47.4	1205	47.4	1205	47.4	1205
87.0	2200	87.0	2200	87.0	2200	87.0	2200
174.5	4430	174.5	4430	174.5	4430	174.5	4430
87.2	2215	87.2	2215	87.2	2215	87.2	2215
89.4	2270	89.4	2270	89.4	2270	89.4	2270
18.8	480	18.8	480	18.8	480	18.8	480
108.2	2750	108.2	275 0	108.2	275 0	108.2	275 0
79.5	2020	79.5	2020	79.5	2020	79.5	2020
11.9	12.6	19.1	20.2	12.5	12.7	20.1	20.4
93	470	102	520	94	480	104	530
99	500	83	420	99	500	83	420
3560	1615	1545	1340	3715	3020	1685	1370
23	27	23	27	24	27	24	27
Power		Power		Power		Power	
9731	4415	9929	4505	8970	4891	1851	2219
4152	5579	1884	2531	4240	5689	1924	2581
28 x 9 x 15 - 12PR		28 x 9 x 15 - 12PR		28 x 9 x 15 - 12PR		28 x 9 x 15 - 12PR	
6.5 x 10 - 10PR		6.5 x 10 - 10PR		6.5 x 10 - 10PR		6.5 x 10 - 10PR	
63.9	1623	63.9	1623	63.9	1623	63.9	1623
38.2							