

INDUSTRIAL LIFT TRUCK SPECIFICATION SHEET

GTR-80 GTR-90

GTR-80 Capacity: 8,000-lbs @ 24" Load Center
GTR-90 Capacity: 9,000-lbs @ 24" Load Center

TAYLOR



Featured truck is shown with optional equipment



TAYLOR MACHINE WORKS, INC.

Founded in 1927 on the principles of "FAITH - VISION - WORK", and entrenched with decades of Heavy Industrial Material Handling experience, Taylor heavy lift trucks are Proudly Made In America. Taylor meets all of your rugged industrial needs with models and capacities that range from 4,000-lbs to 125,000-lbs. The Taylor GTR-Series features Tier Compliant engine technology that has increased fuel efficiency while retaining the powerful low-end torque that our customers have come to expect. Taylor's reputation was built while performing in the harshest industrial environments the Material Handling Industry has to offer. We strive to keep things simple and use appropriate technology that brings value and the Taylor GTR-Series continues that tradition!

you can depend on *Big Red*®

Performance (Diesel):†

			GTR-80		GTR-90	
Travel Speed	Maximum Forward (With Load)	mph (km/h)	13.7	22	13.0	21
	Maximum Forward (No Load)	mph (km/h)	13.0	21	14.0	23
Lift Speed	With Load	fpm (m/s)	108.3	0.55	108.3	0.55
	No Load	fpm (m/s)	112.2	0.57	122.2	0.62
Lowering Speed	With Load	fpm (m/s)	98.4	0.50	98.4	0.50
	No Load	fpm (m/s)	92.5	0.47	92.5	0.47
Gradeability	With Load*	%	32.6		31.0	
	No Load*	%	27.0		26.5	
Drawbar Pull	With Load	lbf (N)	7,738	34,420	8,091	35,991
	No Load	lbf (N)	4,475	19,906	4,960	22,063
Service Brake			Wet Disc Brake		Wet Disc Brake	
Stability	Comply with ANSI		Yes		Yes	

*PowerShift (Maximum @ Stall)

† NOTE: Performance specifications are based on trucks with standard equipment. Performance specifications are affected by the condition of the vehicle, its components, and the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your Taylor sales representative.

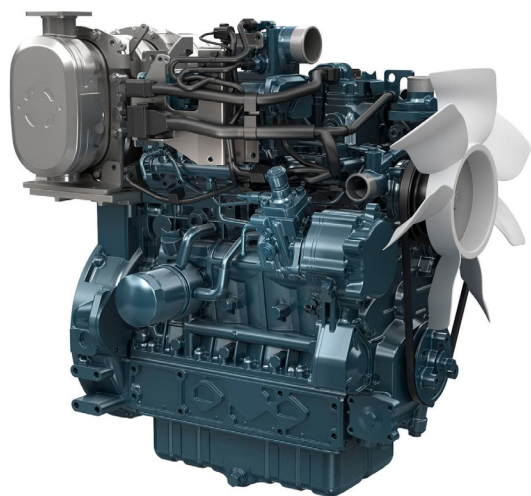
Performance (LPG):†

			GTR-80		GTR-90	
Travel Speed	Maximum Forward (With Load)	mph (km/h)	11.2	18	11.2	18
	Maximum Forward (No Load)	mph (km/h)	11.6	19	11.6	19
Lift Speed	With Load	fpm (m/s)	86.6	0.44	86.6	0.44
	No Load	fpm (m/s)	92.5	0.47	92.5	0.47
Lowering Speed	With Load	fpm (m/s)	98.4	0.50	98.4	0.50
	No Load	fpm (m/s)	92.5	0.47	92.5	0.47
Gradeability	With Load*	%	37.0		35.0	
	No Load*	%	32.0		30.0	
Drawbar Pull	With Load	lbf (N)	8,223	36,578	8,113	36,088
	No Load	lbf (N)	6,239	27,752	6,063	26,970
Service Brake			Wet Disc Brake		Wet Disc Brake	
Stability	Comply with ANSI		Yes		Yes	

*PowerShift (Maximum @ Stall)

† NOTE: Performance specifications are based on trucks with standard equipment. Performance specifications are affected by the condition of the vehicle, its components, and the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your Taylor sales representative.

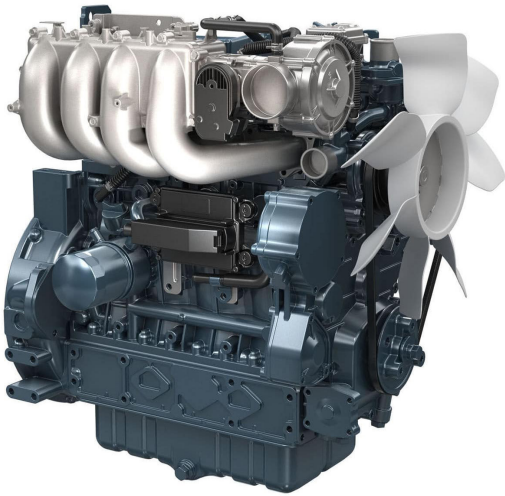
GTR80 & GTR90



Kubota V3800 Tier-4 Final Proven Reliability and Technology

The latest technology and strong performance-two things customers expect from Kubota engines. The Kubota V3 Series turbo-charged engine complies with EPA / CARB Tier 4 Final emissions standards and features a DOC (Diesel Oxidation Catalyst). It does not require the additional use of DEF fluid (Urea Additive) to operate.

Note: This Kubota V3800 diesel is also available in a Tier 2 emissions configuration for distribution outside of the highly regulated countries of North America, Europe and Japan.



Kubota WG3800 LPG Final Durability and Reliability

Kubota's WG3800 SI engines are designed based on Kubota V3800 diesel (CI) engines, which are known worldwide as reliable industrial engines and feature combustion chambers, as well as fuel and ignition systems dedicated for SI engines. The WG3800 engine offers very low vibration and extremely low noise.

Note: This Kubota WG3800 is also available in a Tier 0 emissions configuration for distribution outside of the highly regulated countries of North America, Europe and Japan.

Engine:			Diesel			LPG		
Engine	Make & Model		†† Kubota V3800			† Kubota WG3800		
	Tier Compliance		Tier 4 Final					
	Fuel - Engine Type		Diesel - 4 Stroke			LPG - 4 Cyl.		
	Output	hp (Kw)	74.3	55		85.3	64	
	Gov'n Speed w/Load	RPM	2200			2200		
	Cyl/Displacement	cyl/cu-in (L)	4	230	3.8	4	230	3.8
Fluids	Fuel Cap. GTR-100	gal (L)	24.8			94		
Electrical	Battery	Volt	12			12		

*Sold seperate item. Not included standard with truck.

† This engine DOES NOT require(DEF) Diesel Exhaust Fluid. It features a (DOC) Diesel Oxidation Catalyst and cold start system with intake heater. Emission certification: US EPA Tier 4 Final. NOT Compatible with high sulfur diesel fuel. Sulfur content must be less than 0.10% (1000 ppm)

†† This engine DOES NOT require(DEF) Diesel Exhaust Fluid. It features a cold start system with intake heater. Emission certification: US EPA Tier III, Carb Tier III, EU Stage III. Attention: Taylor models equipped with U.S. EPA Tier 3 certified engines are available for sale outside of the highly regulated countries of North America, Europe and Japan. Refer to the off-road diesel engine emission regulations of the specific country in question for verification.

Transmission:		
Trans.	Model	Auto Shift
	Number of Speeds	Fwd/Rev 2/2
	Clutch	Inching
	Gear Change	Column Mounted Shift

The 2-speed automatic powershift transmission is modulated, fully reversing and features inching capability. Directional controls are actuated through a Column Mounted Shifter.

Axles:		
Drive Axle	Standard	Model Heavy Duty Wet Disc
Steer Axle		Model Fully Boxed (Protected Steer Cylinder)

The bolted heavy-duty planetary drive axle utilizes wet disc brakes. The steer axle is a single hydraulic cylinder design with heavy-duty links from the cylinder ram directly to tapered roller bearing mounted spindles.

Lift Truck Dimensions:							
General	Model	Manufacturer's Designation		GTR-80		GTR-90	
	Power Type	Diesel or LPG		Diesel or LPG		Diesel or LPG	
	Capacity	Rated Capacity	lb (kg)	8,000	3,629	9,000	4,082
	Load Center	Distance	in (mm)	24.0	610	24.0	610
	Wheelbase	G1 Distance	in (mm)	76.8	1,951	76.8	1,951
Dimensions	Upright Lift	D1 Lift Height (Ground to Top of Fork)	in (mm)	130.0	3,302	130.0	3,302
	Forks	Thickness	in (mm)	2.0	51	2.0	51
		Width	in (mm)	5.0	127	5.0	127
		Length	in (mm)	48.0	1,219	48.0	1,219
		Freelift (with standard 2-stage mast)	in (mm)	6.1	155	6.1	155
	Tilt Angle	D8 Standard Upright - FWD/BWD	Degrees	8° / 10°		8° / 10°	
	Overall Dim.	D9 Length to Face of Forks	in (mm)	119.2	3,028	121.2	3,078
		D10 Width (Standard Tires)	in (mm)	54.3	1,379	54.3	1,379
		Width (Over Counterweight/Fenders)	in (mm)	0		0	
		Width (Standard Fork Spread)	in (mm)	53.0	1,346	53.0	1,346
		D14 Overall Height (Lowered)	in (mm)	93.9	2,385	93.9	2,385
		D15 Overall Height (Raised)	in (mm)	158.9	4,036	158.9	4,036
		D16 Coupling Height	in (mm)	18.1	460	18.1	460
		D17 Seat Height	in (mm)	50.0	1,270	50.0	1,270
		D18 Height (Top of Guard)	in (mm)	91.5	2,324	91.5	2,324
	Load Distance	D19 Center of Wheel to Face of Forks	in (mm)	22.2	564	22.2	564
	Turning Radius	R1 Minimum Outside	in (mm)	107.7	2,736	109.7	2,786
		R2 Minimum Inside	in (mm)	34.4	874	34.4	874
	Aisle Width	(Add Load Length for 90° Stacking)	in (mm)	129.9	3,299	131.9	3,350
Weight (Diesel)	Total Apprx.	Service Weight	lb (kg)	13,003	5,898	13,834	6,275
	Axle Loading	Static with Rated Load (Front)	lb (kg)	19,407	8,803	20,946	9,501
		Static with Rated Load (Rear)	lb (kg)	2,412	1,094	2,809	1,274
		Static with No Load (Front)	lb (kg)	5,783	2,623	5,617	2,548
		Static with No Load (Rear)	lb (kg)	7,220	3,275	8,219	3,728
Weight (LPG)	Total Apprx.	Service Weight	lb (kg)	12,873	5,839	13,704	6,216
	Axle Loading	Static with Rated Load (Front)	lb (kg)	19,273	8,742	20,809	9,439
		Static with Rated Load (Rear)	lb (kg)	2,418	1,097	2,815	1,277
		Static with No Load (Front)	lb (kg)	5,646	2,561	5,481	2,486
		Static with No Load (Rear)	lb (kg)	7,225	3,277	8,223	3,730
Wheels	Tire Type	Cushion & Pneumatic (Front / Rear)		Pneumatic		Pneumatic	
	Wheels & Tires	Number (Front / Rear)		2 / 2		2 / 2	
		Size (Front)		8.25 X 15 - 14PR		8.25 X 15 - 16 PR	
		Size (Rear)		7.00 X 12 - 14 PR		7.00 X 12 - 14 PR	
	Tread	W1 Center of Tires (Front)	in (mm)	45.1	1,146	45.1	1,146
		Center of Tires (Rear)	in (mm)	44.6	1,133	44.6	1,133
	Ground Clearance	W3 Lowest Point (Loaded)	in (mm)	6.7	170	6.7	170
		W4 Center of Wheelbase	in (mm)	8.5	216	8.5	216
	Brakes	System Type		Wet Disc		Wet Disc	
		Control Method (Service / Parking)		Foot / Hand		Foot / Hand	
Misc.	Sound Level		dB	80		80	
	Relief Pressure	For Attachments	psi (bar)	Adjustable		Adjustable	

GTR80/90 Mast/Upright:			OA Lowered*		OA Raised		Free Lift	
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2-Stage Mast:

130" Max Fork Height	Standard	in (mm)	92.7	2,355	178.0	4,521	6.1	155
118" Max Fork Height	Optional	in (mm)	86.8	2,205	167.0	4,242	6.1	155
138" Max Fork Height	Optional	in (mm)	96.7	2,456	186.0	4,724	6.1	155
146" Max Fork Height	Optional	in (mm)	100.6	2,555	194.0	4,928	6.1	155
157" Max Fork Height	Optional	in (mm)	106.5	2,705	205.0	5,207	6.1	155
177" Max Fork Height	Optional	in (mm)	116.4	2,957	225.0	5,715	6.1	155
197" Max Fork Height	Optional	in (mm)	126.2	3,205	245.0	6,223	6.1	155

Triple-Stage Mast:

146" Max Fork Height	Optional	in (mm)	78.3	1,989	194.0	4,928	50.4	1,280
157" Max Fork Height	Optional	in (mm)	82.2	2,088	205.0	5,207	54.3	1,379
169" Max Fork Height	Optional	in (mm)	86.1	2,187	217.0	5,512	58.2	1,478
177" Max Fork Height	Optional	in (mm)	88.8	2,256	225.0	5,715	60.9	1,547
189" Max Fork Height	Optional	in (mm)	92.7	2,355	237.0	6,020	64.8	1,646
197" Max Fork Height	Optional	in (mm)	95.4	2,423	245.0	6,223	67.4	1,712
216" Max Fork Height	Optional	in (mm)	101.9	2,588	264.0	6,706	74.0	1,880
236" Max Fork Height	Optional	in (mm)	108.5	2,756	284.0	7,214	80.6	2,047
256" Max Fork Height	Optional	in (mm)	115.1	2,924	304.0	7,722	87.2	2,215
275" Max Fork Height	Optional	in (mm)	121.7	3,091	323.0	8,204	93.7	2,380

HiLo Freelif Mast:

106" Max Fork Height	Optional	in (mm)	84.0	2,134	154.0	3,912	55.0	1,397
118" Max Fork Height	Optional	in (mm)	89.9	2,283	166.0	4,216	60.9	1,547
130" Max Fork Height	Optional	in (mm)	95.8	2,433	178.0	4,521	66.8	1,697

* For Overall (OA) Lowered Height on GTR-80 and GTR-90 trucks equipped with optional Dual Drive, Deduct 1.1" (28mm)

** Dual Drive is required for mast heights of 256" and above and must be ordered separately on the GTR-80 and GTR-90.

Carriage Dimensions:

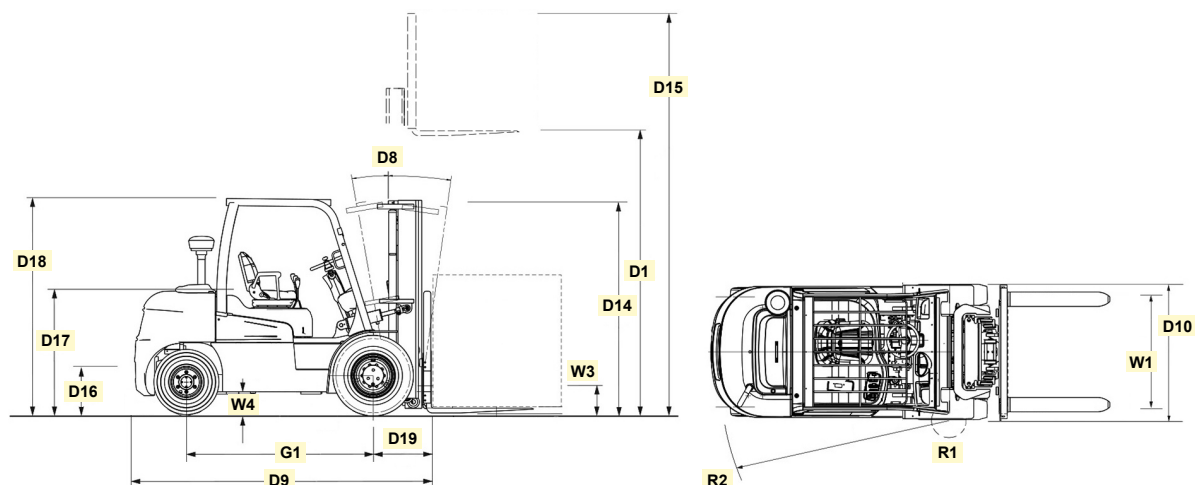
Carriage	Standard	in (mm)	53.0	1,346	Hook Type ITA Class III - STD w/ 48" (H) backrest			
	Optional	in (mm)	66.0	1,676	Hook Type ITA Class III - STD w/ 48" (H) backrest			

Dimension references "Standard Fork Spread"

Fork Dimensions:

Forks	Standard	in (mm)	2.00	51	Thickness			
		in (mm)	5.0	127	Width			
		in (mm)	48.0	1,219	Length			

Optional fork or special attachments may effect the rated capacity of the standard truck and could require additional equipment. Any optional fork or attachment requirement should be discussed with your Taylor sales representative.



Standard Features: GTR-80 & GTR-90

- 130" Max Fork Height 2-Stage Mast (93.8-in lowered height)
- 53-in Hook Type Class III Carriage
- Hydraulic Cushioning Valve facilitates silent staging and reduces shock and vibration
- Carriage features (6) load and side thrust rollers (shimmable, sealed and canted)
- 2.0-in x 5-in x 48-in pin mounted forks
- Kubota V3800 tier 4 final diesel engine
- Kubota WG3800 LPG enging
- Donaldson dry-type air cleaner w/safety element & restriction indicator
- 2-Speed Powershift Transmission
- Powertrain Protection System for engine and transmission
- HD planetary Drive Axle with Wet Disc Brakes
- Fully Boxed Welded Steer Axle (single hydraulic cylinder design with heavy-duty links from the cylinder ram directly to tapered roller bearing mounted spindles)
- 8.25 X 15 Pneumatic Single Drive tires
- 7.00 X 12 Pneumatic Steer tires

Chassis

- Heavy duty all-welded steel frame
- Integral counterweight
- Lockable fuel cap
- Easy lift clamshell hood made of durable reaction injection plastic opens to expose drive train for ease of maintenance.
- Hood latch is simple with no mechanical linkage to wear
- All hardware is oil impregnated zinc dichromate to prevent rust
- Upright/Mast is pin mounted to the chassis (not trunnion mounted to axle)
- Low step height for ease of entry

Cab

- Isolation mounted open operator base with overhead guard (includes dual brake pedal, dome light, wide angle mirrors, handrails and full rubber black floor mats).
- Adjustable Black Vinyl Covered Mechanical Suspension Seat (Seat has 6" fore and aft travel, adjustable back rest, 2.4" vertical travel, and lumbar support. Also has Operator weight range adjustability to 370 lbs.)
- Column mounted directional control with no linkage - FWD/REV selected by moving lever up and down
- Hood mounted hydraulic control levers
- Operator Restraint System (Orange, anti-cinch seat belt)
- Dual operator presence systems will not allow transmission to engage and will not allow hydraulics to engage unless operator is in the seat.
- Interactive LCD Dash Display with audible warnings for low fuel, transaxle oil temperature, parking brake and seat belt. Visual displays for transmission temperature, engine oil pressure, alternator, diesel glow plug, fuel system, seat belt reminders, turn signals, gear selected, maintenance timer, fuel levers, and travel speeds. (Includes Fault Code Storage)
- Two pedal hydraulic inch brake provides excellent control and comfort
- Infinitely adjustable steering column that pivots 30 degrees above knee
- Self Activating Parking Brake (SAPB) fully disables the transmission when the parking brake is set.

Electrical

- 12-volt electrical system
- Heavy-duty battery
- Utilizes all environmentally sealed wire connectors
- Key-type electronics switch with key start
- Electric horn
- Keyswitch-actuated amber strobe light
- Reverse actuated warning alarm

Vehicle Information Package

- Operators Guide
- Maintenance and Service documentation
- Safety Check Manual and Video



Isolation Mounted Open Operator Base with Overhead Guard
Partial and Fully Enclosed Cabs Also Available (Optional)



Easy Lift Clamshell Hood
(Service & Inspection can be performed from ground level)



Donaldson Air Cleaner with
Safety Element



Two Pedal Hydraulic Inching & Brake
and Moulded Rubber Floormat



Hood Mounted Hydraulic Control Levers
and Ratchet Style Hand Brake



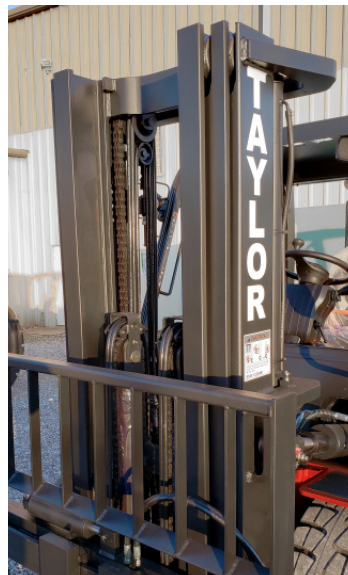
Heavy Duty Steer Axle Mounted on Rubber Isolators.
Toughest Steer Axle Profile Available



Adjustable Black Vinyl Mechanical Suspension Seat.
Adjustable Weight Range to 370 lbs



Adjustable Steering Column
Pivots 30 Degrees



Durable Nested I-beam Design
Yields Optimal Visibility



Weather Sealed High Visibility LCD Diagnostic Display
Includes Fault Code Storage and is Password Protected

Ergonomics

- 11.2" diameter steering wheel with low-effort steer (w/spinner knob)
- Large electronic directional control with no linkage- FWD/REV selected by moving lever up and down
- Large oversized right lever operates turn signals and headlights
- Large welded grab bar handle for solid secure mount
- Hood mounted hydraulic control levers angled at 15 degrees back for precise driver operation
- Self Activating Parking Brake (SAPB) fully disables the transmission when the parking brake is set

Uprights & Carriages

- Nested I-beam upright design
- Canted load rollers
- Silent staging upright cylinders allows no racking between stages
- Negative drop rails provide easy and inexpensive servicing of carriage
- Spherical bushings on both ends of the tilt cylinders
- 6-roller carriages
- External side thrust rollers
- Heavy duty roller chain that has 4 x 4 lacing with 1" pitch
- Load back rest pallet protection
- Fully greaseable pivot points

Overhead Guard

- One piece provides strength and durability
- Longitudinal overhead bars for better sightline when load is up
- Low cowl height for greater visibility when load is in lowered position
- Two forward mounted 12V work lights with protective guards are standard
- Rear combination lights (brake, tail and back-up) are standard

Steer Axle

- Heavy duty steer axle incorporates integral double steer cylinder
- Single piece steer knuckles supported by tapered roller bearings which provide high durability and low maintenance
- Full hydrostatic operation reduces mechanical links and eliminates kick back
- Mounted on rubber isolator

Available Options

- Fully featured cabs in 91.5" or 87.5" heights
- Partial cabs
- AM/FM radio / CD player / Bluetooth option with cab
- Air conditioning option available with cab
- Side shifters
- Fork positioners
- Fingertip controls (mini-levers)
- Accumulators
- Swing-down LPG tank brackets
- Lifting eyes for stevedoring applications
- Automatic fork leveling

NEED SPECIAL OPTIONS?

Just ask one of our Taylor Specialist.

Taylor Machine Works was founded on the promise of meeting our customer's needs. The sign on our original facility in 1927 stated "We Engineer and Build What You Need" and those ideals still ring true today! From multiple Mast, Carriage and Fork configurations to Special Attachments that are unique to your business, we will step forward to meet the challenge. With hundreds of options readily available for our trucks, and the ability to custom engineer any other need that arises, Taylor Machine Works is here ready to serve.

DISCLAIMER:

This vehicle is certified to meet the applicable design and performance criteria required for Powered Industrial Trucks in OSHA Safety and Health Standards, Title 29 CFR, Part 1910.178, and the applicable design and performance requirements in ANSI B56.1 that were in effect at the time of manufacture. These standards also apply to the user and should be adhered to while operating this vehicle.

All specifications are subject to change without notice. Some operating data may be affected by the condition of the vehicle, how it is operated and the nature and condition of the operating area. If these specifications are critical, contact the factory.



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Unbeatable customer service, backed by over 90 years of customer satisfaction.



Taylor Machine Works, Inc.
3690 North Church Avenue
Louisville, MS 39339
www.taylorbigred.com