

## INDUSTRIAL LIFT TRUCK SPECIFICATION SHEET

# GTR30-12

Heavy Duty Pneumatic Tire Forklift

30,000-kg (66,130-lbs) Rated Capacity  
1200-mm (48-in) Load Center  
4750-mm (187-in) Wheelbase



Cover image is for example purposes only and may not reflect current features.



## High Performance

Years of industry experience, 3D product design, finite element analysis, kinematic and dynamic simulation calculation, field verification, and machine testing ensure reliable and durable structures. Travel and lift speeds have been improved for class-leading performance.

- **Travel & Lift Speed:** The GTR30-12 has increased the travel and lift speed by 10-20% depending on the model, increasing efficiency and productivity.
- **Load Sensing Hydraulics:** The GTR30-12 uses load sensing hydraulics to provide improved efficiency leading to reduced hydraulic oil working temperatures, and extended life of hydraulic components.
- **Increased Strength:** The GTR30-12 has a more efficient structural design, which achieves an overall lighter weight while improving strength and durability.



# GTR30-12 Heavy Duty Pneumatic Tire Forklift

## Heavy Duty Drivetrain

### Heavy Duty Engine:

- **VOLVO TAD881VE:** The Volvo engine is Stage V compliant. The engine uses common rail fuel systems, selective catalytic reduction (SCR), diesel oxidation catalysts (DOC), and diesel particulate filters (DPF) to achieve compliance.
- **CUMMINS QSC8.3:** The Cummins engine is standard for Tier 3 emissions applications



VOLVO T4F



CUMMINS T3



### Heavy Duty Transmissions:

- **ZF Transmission:** The GTR30-12 uses a ZF transmission. This transmission with electronic control, provides stable, accurate, and reliable travel with its three-speed power shifting feature.

### Heavy Duty Drive Axles:

- **KESSLER Drive Axle:** The GTR30-12 uses a Kessler Drive Axle. This drive axle features two-stage gear reduction, wet brakes, and a hydraulically released spring applied parking brake.



Engine:		Optional Engine International Shipments Only								
<b>Engine</b>	Make & Model	Volvo TAD881VE †				Cummins QSC8.3 ††				
	Tier Compliance	Stage V				Tier 3				
	Fuel - Engine Type	Diesel				Diesel				
	Output	hp (Kw)	248	185	240	179				
	Gov'n Speed w/Load	RPM	2210		2200					
	Cyl/Displacement	cyl/cu-in (L)	6	470	7.7	6	507	8.3		
	Peak Torque*	ft-lbs/RPM (Nm/RPM)	867	1400	1175	1400	800	1500	1085	
<b>Electrical</b>	Battery	Volt/Ah (2 batteries)	24 / 2300				24 / 2300			
	Alternator Rating	Amps	110				110			

† This engine requires (DEF) Diesel Exhaust Fluid and features (SCR) Selective Catalytic Reduction, (DPF) Diesel Particulate Filter, diagnostic and maintenance monitor, fuel/water separator and engine/trans. protection systems. Emission certification: US EPA Stage V.

†† Standard features are electronic diagnostic and maintenance monitor, fuel/water separator and engine/transmission protection systems. 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:

<b>Trans.</b>	Make & Model	ZF 3WG211		ZF 3WG211		
	Number of Speeds	Fwd/Rev	3/3		3/3	

The 3-speed automatic powershift transmission is modulated, fully reversing and features inching capability. Temperature control is achieved through a separate air-to-oil cooler. The filler-pipe dipstick and large, heavy-duty oil filter are easily accessed for maintenance.

### Axles:

<b>Drive Axle</b>	Make & Model	Wet Disc	Kessler D91		Kessler D91	
<b>Steer Axle</b>	Make & Model		Welded Beam Type		Welded Beam Type	

The bolted heavy-duty planetary drive axle utilizes wet disc brakes.

### Performance: †

<b>Travel Speed</b>	Maximum Forward	mph (km/h)	16		25	
<b>Lift Speed</b>	No Load	fpm (m/s)	66		0.34	
	With Load	fpm (m/s)	54		0.28	
<b>Lowering Speed</b>	No Load/With Load	fpm (m/s)	90		0.46	
<b>Gradeability</b>	No Load*	%			25	
<b>Drawbar Pull</b>	Maximum @ Stall*	lb (kN)	53,944		240	
<b>Stability</b>	Comply with ISO 1074				Yes	

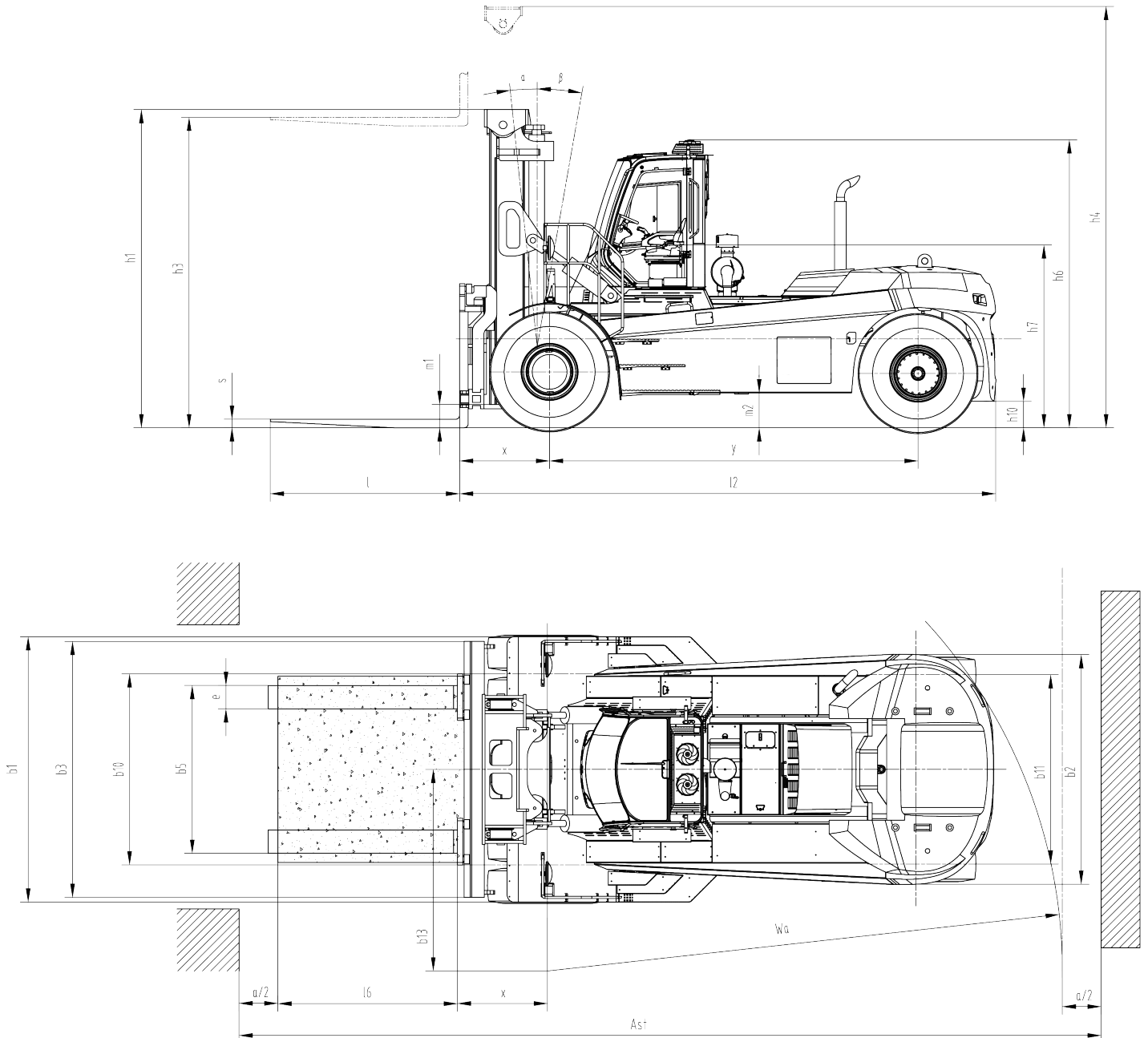
† NOTE: Performance specifications are based on trucks with standard equipment. Performance specifications are affected by the condition of the vehicle, its components, and the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed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

# Lift Truck Dimensions:

General		Model	Manufacturer's Designation	GTR30-12		
	Capacity		Rated Capacity	lb (kg)	66,130 30,000	
	Load Center	C	Face of Forks to Center of Load	in (mm)	48.0 1,200	
		X	Center of Drive Axle to Face of Forks	in (mm)	45.7 1,161	
	Wheelbase	Y	Distance	in (mm)	187.0 4,750	
	Power Type		Diesel or LPG		Diesel	
Dimensions	Upright Lift	H1	Height, Mast Lowered	in (mm)	161.4 4,100	
		H2	Free Lift	in (mm)	4.3 109	
		H3	Lift	in (mm)	157.5 4,001	
		H4	Height, Mast Extended	in (mm)	239.8 6,091	
		H6	Height of Overhead Cabin	in (mm)	146.1 3,711	
		H7	Seat Height Relating to SIP	in (mm)	95.7 2,431	
		H10	Coupling Height	in (mm)	29.9 759	
	Tilt Angle	A/B	Standard Upright - FWD/Backward	Degrees	6° / 10°	
	Length	L1	Overall Length	in (mm)	368.1 9,350	
		L2	Length to Face of Forks	in (mm)	272.0 6,909	
Width	B1	Overall Width	in (mm)	134.6 3,419		
	B2	Width Over Counterweight	in (mm)	116.5 2,959		
	B3	Fork-Carriage Width	in (mm)	129.9 3,299		
	B5	In-to-In Distance Between Forks (Retracted)	in (mm)	39.4 1,001		
	B5	Out-to-Out Distance Between Forks (Expanded)	in (mm)	118.1 3,000		
Forks		Thickness	in (mm)	4.3 109		
		Width	in (mm)	11.8 300		
		Length	in (mm)	96.1 2,441		
Turning Radius	Wa	Minimum Outside	in (mm)	259.8 6,599		
	B13	Minimum Inside	in (mm)	102.4 2,601		
Aisle Width		Aisle Width with Load Length of 70.8" (1800 mm)	in (mm)	409.4 10,399		
		Aisle Width with Load Length of 94.4" (2400 mm)	in (mm)	409.4 10,399		
Weight	Total Apprx.		Standard Truck	lb (kg)	92,594 42,000	
Wheels & Tires	Tire Type		Cushion or Pneumatic (Front / Rear)		Pneumatic / Pneumatic	
	Wheels		Number (Front / Rear)		4 / 2	
	Tires		Number (Front / Rear)		4 / 2	
			Size (Front)		16.00 X 25-32PR	
			Size (Rear)		16.00 X 25-32PR	
	Tread	B10	Center of Duals (Front)	in (mm)	96.9 2,461	
		B11	Center of Tires (Rear)	in (mm)	96.0 2,438	
	Ground Clearance	M1	Laden, Below Mast	in (mm)	11.8 300	
		M2	Center of Wheelbase (No Load)	in (mm)	17.7 450	
	Brakes		System Type			Wet Disc
		Control Method (Service / Parking)			Foot / Hand	
		Operation Method (Service / Parking)			Hyd / Spring	
Miscellaneous		Operating Pressure for Attachments	bar		235	
		Oil Volume for Attachments	gal/min (L/min)	90	340	
		Hydraulic Tank - Capacity (Drain & Refill)	gal (L)	132	500	
		Fuel Tank Capacity	gal (L)	132	500	
		Sound Pressure Level at the Driver's Cabin	dB (A)		75	

# GTR30-12 Mast Specifications

TYPE	Max Fork Height		Overall Height				Tilt	Load Capacity	
			Lowered		Raised		F/R	48" LC	
	in	mm	in	mm	in	mm	deg	lb	kg
Limited Free Lift 2-Stage Mast	141.8	3,600	153.7	3,900	224.2	5,690	6/10	66,000	30,000
	157.6	4,000	161.5	4,100	239.9	6,090	6/10	66,000	30,000
	169.4	4,300	167.5	4,250	251.8	6,390	6/10	66,000	30,000
	177.3	4,500	171.4	4,350	259.6	6,590	6/10	66,000	30,000
	189.1	4,800	177.3	4,500	271.5	6,890	6/10	66,000	30,000
	197	5,000	183.2	4,650	281.3	7,140	6/10	66,000	30,000
	216.7	5,500	193.1	4,900	301	7,640	3/6	62,832	28,500
	236.4	6,000	204.9	5,200	322.7	8,190	3/6	59,524	27,000
	256.1	6,500	214.7	5,450	342.4	8,690	3/6	55,115	25,000
	275.8	7,000	226.6	5,750	364.1	9,240	3/6	50,706	23,000



## Standard Features: GTR30-12

- Limited Free Lift 2 Stage Mast
- Hydraulic Adjustment
- Standard Fork
- Full Cabin
- Air Conditioner & Heater
- Fully Hydraulic Power Steering
- Four-Function Valve
- Operator Presence Sensing System (OPS)
- Multi-Directional Adjustable Armrest
- Adjustable Steering Wheel
- Lifting Hydraulic System Speed Limit Valve
- Tow Device
- Main Power Disconnect Switch
- Reverse Camera
- LCD Instrument Display
- Neutral Indicator
- Parking Braking Indicator
- Charge Indicator
- Pre-heating Indicator
- Engine Oil Pressure Alarm
- Air Filter Alarm
- Low Pressure Alarm for the Accumulator
- Hydraulic Oil Filter Alarm
- Oil-Water Separator Alarm
- Engine Failure Alarm
- LED Lights
- Coolant Temperature Gauge
- Oil Gauge
- Oil Temperature Gauge
- Engine Hour Meter
- Pneumatic Tires
- Reverse Alarm
- Manual Cabin Tilting
- Toolkit

## Options:

- Customized Color
- Various Fork Sizes
- Various Mast Specifications
- Solid Pneumatic Tires
- On-Board Intercom
- Reverse Alarm
- Strobe Light
- Front & Rear-view Camera (with optional memory)
- Ground Strap
- Fire Extinguisher (4.4lb/8.7lb)
- Mast Mounted LED Working Light
- Speed limiter
- Blue Light
- Scale
- Air Pre-Cleaner
- Operator Fan
- Power Cabin Tilting
- Five Function Hydraulic Valve



## Safety

- Equipped with mechanical and electrical protection devices, lifting interruption control, OPS system, travel speed limiting and other functions ensure safe operations.
- Bright LED operator display
- A visual reversing radar is provided for the standard configuration and other options such as an automatic fire extinguishing system, tire pressure monitoring, overload protection, etc. can be provided.

## Comfortable

- The instruments with high-definition color screens display the truck status in real time and the fault alarm enable easier maintenance.
- The new generation electronically-controlled transmission enables flexible, smooth and comfortable gear shifting.



## Fully-Suspended Cab

- The fully-suspended, tilting cab can be repaired and maintained easily
- Sound and heat insulation shield vibration and noise.
- Large curved front and rear windows, all-glass left and right doors, and large glass sky-light enhance visibility.
- Tilt and telescopic steering column, full suspension adjustable seat with a high backrest, safety belt, and OPS (Operator Presence System.)
- Heat, defrost, and air-conditioning with dual ventilation modes, sun shades, and adjustable wipers enhance operator comfort.



## Efficient

- Single joystick control.
- Higher lifting speed and faster dynamic response enable the operation efficiency to be effectively improved.
- Easy maintenance with a wide-opened hood, large-space electric control box, large cab space, multiple hydraulic inspection points, easy access to the oil and water during inspection, and built-in diagnostic and query functions.

## Reliable & Easy To Maintain

- **Reliable Design:** Increased electronic controls and digital interface, CAN-bus communications with built-in diagnostics, management functions and fault alarms allow easy troubleshooting. These features give operators and technicians confidence the forklift will provide dependable, long lasting service.
- **Easy To Maintain:** The GTR30-12 features a full cab that can be tilted without additional tools. The forklift also features a tilting hood and several compartments, including a battery/electronics compartment, that provide easy access to important components. This allows for major components to be easily serviced.



### NEED OPTIONS?

Just ask one of our Taylor Specialist.



# GTR30-12

Heavy Duty Pneumatic Tire Fork Lift

**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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