

INDUSTRIAL LIFT TRUCK SPECIFICATION SHEET

GRS-9972

Rated Power (Tier 3):	350 hp (261 kW) @ 2,000 rpm
Rated Power (Stage 5):	355 hp (265 kW) @ 2,000 rpm
Rated Capacity:	99,208 lbs (45,000 kg)
Service Weight:	162,040 lbs (73,500 kg)
Maximum Lifting Height:	595 in (15,100 mm)

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 meets all of your rugged industrial needs with the versatile GRS-9972 that can be equipped for container handling or breakbulk operations. The Taylor GRS-9972 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 GRS-9972 continues that tradition!

Performance: †

		GRS-9972		
Travel Speed	Maximum Fwd/Rev - No Load	mph (km/h)	15.5	25
	Maximum Fwd/Rev - With Load	mph (km/h)	9.3	15
Maximum Gradeability	@ Stall	%	25%	
Maximum Drawbar Pull	Maximum @ Stall*	lb (kN)	69,691	310

† 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.

Taking Care of Our Customers is Priority One!

www.taylorbigred.com



GRS-9972 Reachstacker

Engine:

Engine	Make & Model	Cummins QSM11 (Turbocharged)				Cummins QSX12 (Turbocharged)			
	Tier Compliance	Tier 3				Stage 5			
	Fuel - Engine Type	Diesel - 4 Stroke				Diesel - 4 Stroke			
	Output	hp (Kw)		350	261	355		265	
	Gov'n Speed w/Load	RPM		2000		2000			
	Peak Torque*	ft-lbs/RPM (Nm/RPM)		1350	1400	1830	1400	1373	1400
Electrical	Battery	Volt (2 batteries)		24		24			

*(SAE J1995 Conditions)

†† 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:

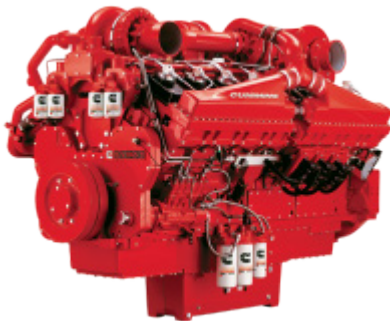
Trans.	Make & Model		ZF 5WG261		ZF 5WG261	
	Number of Speeds	Fwd/Rev	5/3		5/3	
	Type		ErgoPower		ErgoPower	
	Gear Change		Column Roll Shifter		Column Roll Shifter	

The 5-speed automatic powershift transmission is modulated, fully reversing and features electric declutch. Directional controls are actuated through column mounted shifter. 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:

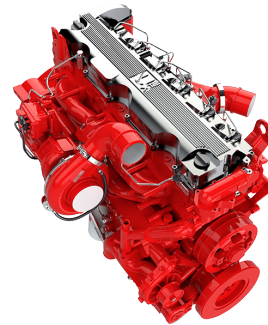
Drive Axle	Wet Disc	Kessler D-102				Kessler D-102			
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The bolted heavy-duty planetary drive axle utilizes wet disc brakes. The steer axle is a single hydraulic cylinder design with heavy-duty links from the cylinder ram directly to tapered roller bearing mounted spindles.



Cummins QSM11

NOTE: Available outside of the highly regulated countries of North America, Europe, and Japan.



Cummins QSX12

NOTE: Available for the highly regulated countries of North America, Europe, and Japan.



Heavy-Duty Steer Axle



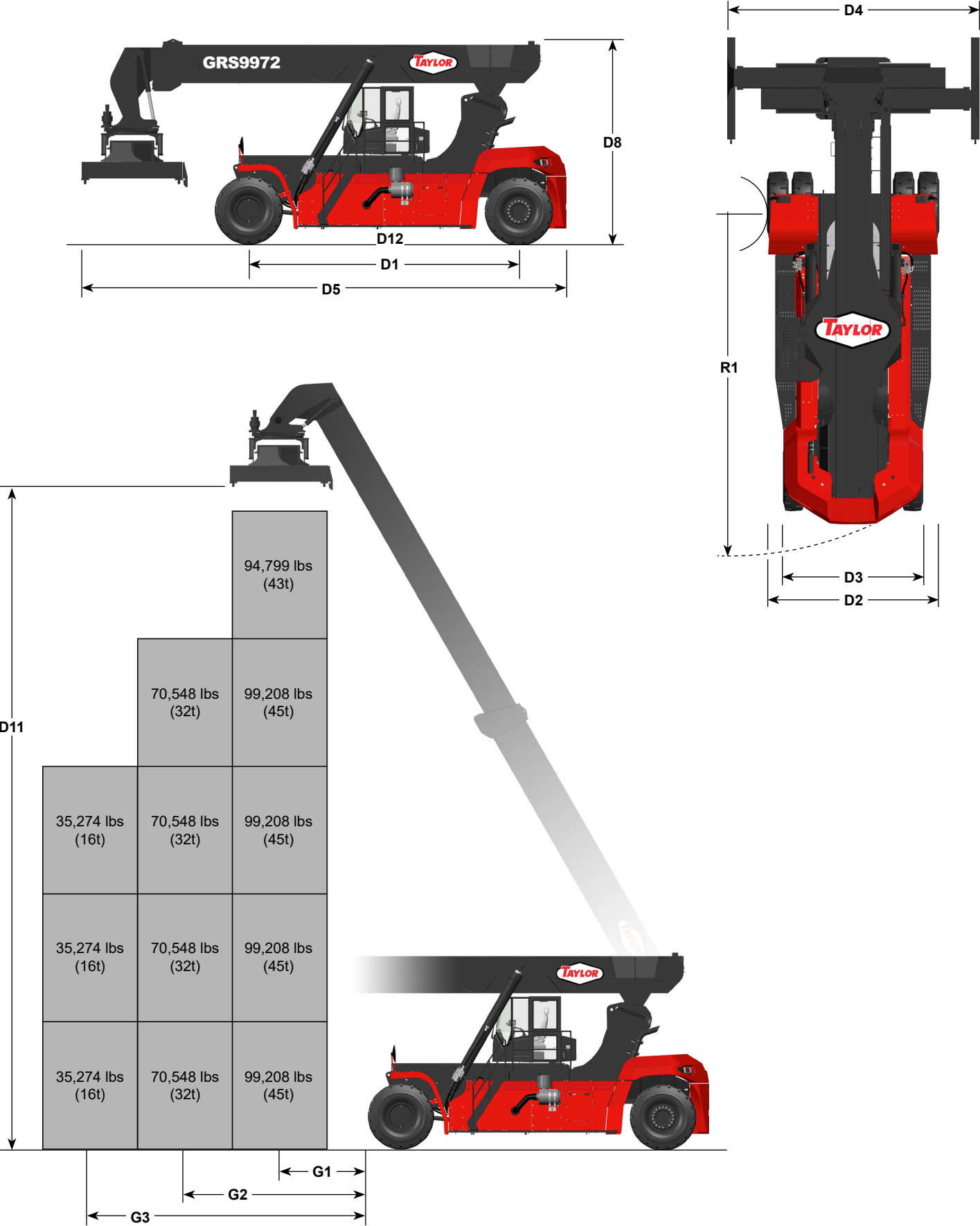
Heavy-Duty Planetary Drive Axle

GRS-9972 Reachstacker Dimensions:

General	Model	Manufacturer's Designation		GRS-9972
	Center of Gravity (COG)	G1 1st Row (Center of Container)	in (mm)	77.4 1,965
	Distance from tire face to:	G2 2nd Row (Center of Container)	in (mm)	150.2 3,815
		G3 3rd Row (Center of Container)	in (mm)	248.6 6,315
	Rated Stacking Capacity:	G1 1st Row 4-High Stacking	lb (t)	99,208 45
	8.5-ft / 9.5-ft Container	G1 1st Row 5-High Stacking	lb (t)	94,799 43
		G2 2nd Row 4-High Stacking	lb (t)	70,548 32
		G3 3rd Row 3-High Stacking	lb (t)	35,274 16
Dimensions		D1 Wheel Base	in (mm)	256 6,500
	Tread Width	D2 Width Over Drive Axle	in (mm)	163 4,130
		D3 Width Over Steer Tires	in (mm)	132 3,360
	Width	D4 Overall (Collapsed)	in (mm)	238 6,052
		Overall (Expanded)	in (mm)	480 12,185
	Length	D5 Overall Complete Unit (Boom Down and Retracted)	in (mm)	460 11,680
	Height	D8 Height to Top of Boom (Fully Lowered)	in (mm)	187 4,747
		D11 Height to Tip of Twistlock (Raised)	in (mm)	595 15,100
	Underclearance	D12 Midway Along the Wheelbase	in (mm)	14 350
Attach. Dimensions	20-ft Container (6.1m)	D14 Length of Attachment (Retracted)	in (mm)	238 6,052
	40-ft Container (12.2m)	D15 Length of Attachment (Expanded)	in (mm)	480 12,185
		Boom Angle (Max)	Degrees	60°
Turn Radius	Truck Only	R1 Minimum Outside (Tailswing)	in (mm)	335 8,500
Weight	Total Apprx.	Static (Unloaded)	lb (kg)	162,040 73,500
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 & Rear)		18.00 X 25-40 PR E4
	Brakes	System Type		Wet Disc
Misc.	Hydraulic Fluid	Tank Capacity	gal (L)	145 549

NOTE: Performance specifications are for machines equipped as described on the back page of this specification sheet. 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. Contact factory for capacities, stack heights, and unit weights if optional pile slope is added. * Calculated according to FEMTN01 and FEM4.005 standards. ** All of the above information reflects the standard 18:00x25-40PR.

GRS-9972 Reachstacker



Standard Features: GRS-9972

- Telescopic boom for stacking 5-high 1st row, 4-high 2nd row and 3-high 3rd row
- ELME 20-40 ISO container handling attachment with rotation, side shift, expansion/retraction with mechanical pile slope
- Cummins QSM11 350-hp (261kW) tier 3 diesel (non-regulated fuel countries)
- Cummins QSX12 355-hp (265 kW) stage 5 diesel (highly regulated fuel countries)
- Lockable fuel cap with strainer, fuel gauge
- Fuel / water separator
- Dry-type air cleaner w/safety element, restriction warning light and indicator
- Muffler with stack guard
- 24-Volt electrical system
- 10 LED worklights: 4 front on boom, 2 front on chassis and 2 rear on chassis and 1 on either end of attachment on twistlocks
- Two heavy-duty batteries with battery disconnect switch
- Stop-tail-turn lights
- Lighted instruments
- Rear visibility aid camera system
- 2 LED cab entrance step lights
- Electronic control system featuring CANbus technology
- 7-inch diagonal full color touchscreen display
- LMI (load moment indicator)
- Electric horn
- Anti-restart ignition switch
- Keyswitch-actuated amber strobe light
- Reverse-actuated backup alarm
- Forward-actuated forward alarm
- Tilt steering wheel/telescopic
- Rear view convex mirrors in cab and on chassis
- 5 speed powershift transmission with declutch and separate air/oil cooling
- Steer axle with stud protectors
- Kessler wide-stance bolt on planetary drive axle
- Wet disc hydraulic actuated brakes with force cooled for brake oil and hydraulic oil
- Remote mounted oil cooler and engine fuel cooler
- Auxiliary drive line mounted parking brake
- Hydrostatic power steering
- Electric joystick operated controls and switch controls
- Hydraulic powered sliding center rear mount all welded cab with left hand access doors and rear exit window. (Includes heat, air condition, defrosting, cab pressurizer, fresh air intake, circulation fan, front and rear windshield wipers with control switches and top glass wiper, front, top and rear windshield washers, dome light, all glass tinted)
- Adjustable air-ride suspension seat (black vinyl with flip-down, adjustable-angle arm rests, orange seat belt and OPS switch)
- 3 twistlock indicator lights located on display
- Wire mesh strainers and return line filters with replaceable elements in tank
- Telescopic boom
- Dual hydraulic tank breathers
- 18.00 X 25 – 40 ply smooth tread tire



Climate Controlled Cab - Heat, A/C & Defrost
(Standard)



LED Work /Step Lights
(Standard)



Full Featured Cab
(Standard)



Durable Steer Axle
(Standard)



Heavy-Duty Drive Axle



There are multiple attachments available for the GRS-9972 making it one of the most versatile machines in the material handling industry. Ask a Taylor sales representative for more information on available Reachstacker configurations.

Vehicle Information Package

- Operators guide
- Safety check manual and video

NEED OPTIONS?

Just ask one of our Taylor Specialist.

Taylor Machine Works was founded on the promise of meeting our customer's needs. The signage 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. We have a dedicated engineering group focused on meeting special request from our customers. This ensures that you have the exact equipment you need to tackle your rugged applications. 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.

A Brief History:

Taylor Machine Works, Inc., located in Louisville, Mississippi, is one of the only privately held manufacturers of industrial lift trucks operating in America today. The company was founded by W.A. Taylor, Sr., in 1927, as a small family-owned automotive and repair business. In 1937, W.A. Taylor, Sr., produced his first conventional timber skidder. Later developed into a mobile skidder and loader, this pioneer machine became known as the "Logger's Dream." The success of the "Logger's Dream" initiated a pattern of growth and expansion which became characteristic of the company. A second "dream" product was introduced... the "Pasture Dream." This permitted simultaneous application of seed and fertilizer without seedbed preparation. Acceptance of these products encouraged the decision to expand the agricultural, forestry, and reforestation product lines.

The early 1950's brought the development of the "Yardster" forklift trucks. These rugged machines soon found widespread acceptance in the handling of heavy and bulky materials such as lumber, pre-stressed concrete, steel and other primary metals, and containerized freight. A line of pulpwood handling equipment, including the "Pulpwood Dream" and pulpwood "Yardster" followed and rapidly became the accepted standard for loading and unloading pulpwood in the growing number of concentration yards throughout the southeastern United States.

By the early 1970s, Taylor Machine Works, under the leadership of W.A. (Bill) Taylor Jr., had one of the most advanced machine shops in the South, with heavy investments in modern machine tools. Products included a complete line of heavy duty trailers (for transporting gravel, soil, etc.), numerous agricultural implements, reforestation equipment, log loaders, and other "specialized" machines in addition to the major line of forklift trucks.

Today, Taylor Machine Works, Inc., under the leadership of the third generation of the Taylor family, is a major progressive force in the worldwide materials handling equipment industry. The "Big Red" product line consists of numerous models of pneumatic tire forklifts with standard forks and carriages or optional front-end attachments; lift capacities range up to 125,000 pounds. The product line also includes cushion tire forklifts (also with optional front-end attachments), log stackers, container handlers and reach stackers.

Taylor's "Big Red" machines are on the job throughout the world and have made an impressive impact on the materials handling industry. These massive machines are utilized in such diverse applications as changing engines on jumbo jets, manipulating concrete culverts, moving and stacking empty and loaded containers up to eight-high, handling entire truckloads of logs in one bite, transporting cargo on and off huge ships, performing varied material handling jobs in steel mills, as well as many other material handling jobs.

The engineering and research and development groups at Taylor continue to produce new and improved machines to get the job done in the materials handling industry. Special engineering of the "Big Red" machines produces innovations in the industry in response to customer requirements.

The superior quality of the "Big Red" machines reflects an absolute commitment to customer satisfaction. Customers who use "Big Red" machines become accustomed to the personal relationship of the Taylor sales group, the dealer sales network, and Sudden Service, Inc. OEM support. Together they prove to the customer that **YOU CAN DEPEND ON "BIG RED"**.



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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24/7 Worldwide Support

No-one can match our record for service and reliability.
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