

PRENTICE

2430 • 2432 Skidder



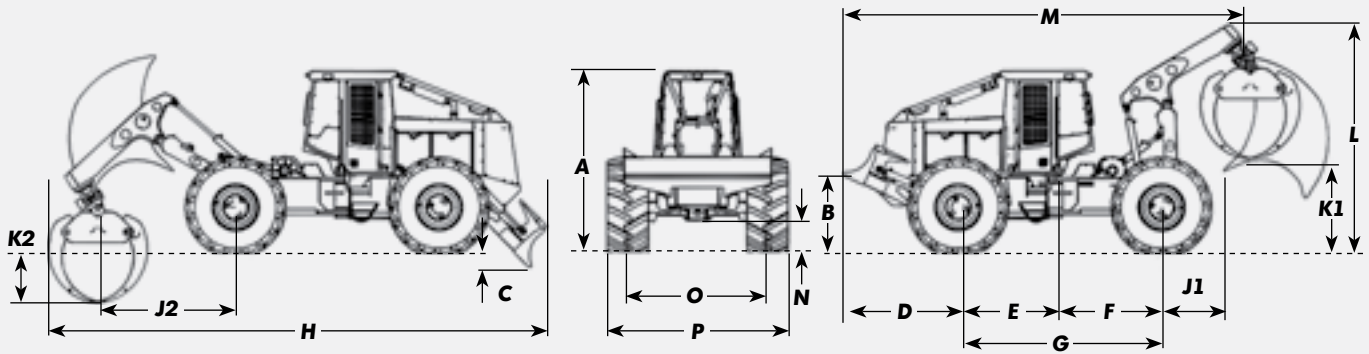
Built Better Than It Needs To Be



Designed with a tough, dependable, drive train to deliver smooth power, steady pull and efficient maneuverability on soft ground or steep slopes, Prentice skidders are rugged, dependable and productive machines. Utilizing a torque converter transmission, rugged outboard planetary axles and a comfortable, no-nonsense cab design, Prentice skidders are designed with ease of operation and simple maintenance in mind, and most importantly come with industry leading support, standard with the Prentice name.

- Optimized weight distribution places more weight on the front axle to increase machine stability in all conditions. Operator comfort is maximized by placing the seat right on the pivot point between the axles.
- Closed center hydraulic valves and precise engineering of the boom and arch geometry produce high lifting forces. The rugged structures are designed to handle the heavy loads over a long life span.
- NEW continuous rotation grapples for the 2432 are designed for maximum durability using box section construction, internal baffles for added strength and cast tips for wear resistance. High clamping forces hold trees better and the tong shape quickly rolls trees up into bundles to increase productivity. Bunching and thinning heads are available to maximize payload and performance.
- The center section is built with large 7.6 cm (3") diameter pins and tapered roller bearings top and bottom that will carry the heavy loads and deliver the long life that you expect from Prentice.
- The operator's station delivers outstanding visibility all around. Controls are placed for convenient operation and machine functions are monitored with easy to read color coded gauges and warning lights. The heat/AC system has properly placed vents to direct air flow onto the operator and keep the operator comfortable in all conditions in the air suspension seat.
- Serviceability is simple with a hydraulic tilting cab, centralized lubrication banks, large easily removable engine side screens and a flip open access panel to check engine oil.
- An increase from 173 HP to 190HP has resulted in a 6.8% improvement in cycle times, 7% increase in drawbar pull and an average 8.5% boost in load start-up torque. These improvements will result in higher production.
- BONUS!! 2432 Dual Arch Features: Improved lift height 3.66 m (144"), 52% increase in lift capacity and 71% increase in load holding capacity.

DIMENSIONS



Machine Dimensions	2430		2432	
A Overall Height to Top of Cab	339 cm	(133.5")	339 cm	(133.5")
B Max Blade Lift	147.8 cm	(58.2")	147.8 cm	(58.2")
C Max Blade Dig	26.9 cm	(10.6")	26.9 cm	(10.6")
D Front Axle to Front of Blade	215.4 cm	(84.8")	215.4 cm	(84.8")
E Center Joint to Front Axle	182.9 cm	(72")	182.9 cm	(72")
F Center Joint to Rear Axle	198.1 cm	(78")	198.1 cm	(78")
G Wheelbase	381 cm	(150")	381 cm	(150")
H Overall Length (Blade and Arch Down)	823.5 cm	(324.2")	902.9 cm	(355.5")
J1 Min. Grapple Reach - From C/L Rear Axle	N/A	N/A	116 cm	(45.7")
J2 Max. Grapple Reach - From C/L Rear Axle	230.4 cm	(90.7")	269.5 cm	(106.1")
K1 Maximum Grapple Lift (Tips Closed)	75.4 cm	(29.7")	175 cm	(68.9")
K2 Grapple Reach Below Grade (Tips Closed)	119.9 cm	(47.2")	92.9 cm	(36.6")
L Maximum Arch Height	313.4 cm	(123.4")	426.9 cm	(168.1")
M Overall Length (Blade and Arch Up)	755.6 cm	(297.5")	747 cm	(294.1")

Approved Tire Sizes for P40/P40D Axles

30.5 x 32

Approved Tire Sizes for W80/W80D Axles

Any Tire Width up to 50", Odd size duals (example 30.5 x 32 inner/ 24.5 x 32 outer), Contact factory for wheel offset information

	Ground Clearance	Track	Overall Width
	N	O	P
With P40 Axles - (2430 Only)			
30.5 x 32 - Narrow	59.4 cm (23.4")	223.5 cm (88")	301 cm (118.5")
With W80 Axles - (2432 Standard, 2430 Optional)			
24.5 x 32	59.4 cm (23.4")	238.8 cm (94")	301 cm (118.5")
67 x 34 x 25	53.3 cm (21")	273.6 cm (107.7")	359.2 cm (141.4")
30.5 x 32 - Wide	59.4 cm (23.4")	261.6 cm (103")	339.1 cm (133.5")
30.5 x 32 - Narrow	59.4 cm (23.4")	232.4 cm (91.5")	309.8 cm (122")

Machine Weights

2430 - Single Arch, P40/P40D Axles, 30.5 x 32 Tires, 279.4 cm (110") Non-Continuous Rotation Bunching Head Grapple, Blade, All Tanks Full - 15 013.9 kg (33,100 lbs.)

2432 - Dual Arch, W80/W80D Axles, 30.5 x 32 Tires, 279.4 cm (120") Continuous Rotation Bunching Head Grapple, Blade, All Tanks Full - 15 875.7 kg (35,800 lbs.)

Capacities	Liters	(Gallons)		Liters	(Gallons)
Fuel	257.4	(68)	Transmission	48.8	(12.9)
Cooling System	47.3	(12.5)	P40 / P40D Axles	54.9	(14.5)
Engine Oil w/ filter	14.2	(3.75)	W80 / W80D Axles	67.4	(17.8)
Hydraulic	Tank - 30.3	(8)	Winch	29.1	(7.7)
	System - 83.3	(22)			

Travel Speeds

With 30.5 x 32 tires

Tires	General Timberskid II	Forward		Reverse	
		1st	2nd	1st	2nd
30.5 x 32 - 16PR LS2	Standard	5.1 km/h (3.2 mph)		5.3 km/h (3.3 mph)	
24.5 x 32 - 16PR LS2	Optional	7 km/h (4.3 mph)		9.5 km/h (5.9 mph)	
30.5 x 32 - 16PR LS2 - Dual Inner	Optional	9.5 km/h (5.9 mph)		21.7 km/h (13.5 mph)	
Firestone CRC		13 km/h (8.1 mph)			
30.5 x 32 - 20PR LS2	Optional	21.7 km/h (13.5 mph)			
24.5 x 32 - 16PR LS2	Optional	29.3 km/h (18.2 mph)			
67 x 34 x 25 - 14PR HF4	Optional				
30.5 x 32 - 20PR LS2 - Dual Inner	Optional				

SPECIFICATIONS

	2430	2432	
Engines & Driveline			
Cummins QSB 190 HP @ 2200 RPM, Tier 3 compliant, Grid Air Heater, Dual Stage Intake Air Cleaner	STD	STD	
12V Electrical System with Dual Batteries, Master Disconnect, Circuit Breakers, 130 Amp Alternator	STD	STD	
Intake Air Pre-Cleaner	OPT	OPT	
Torque Converter Powershift Transmission with Bump Shifter - 6 Forward, 3 Reverse Gears	STD	STD	
Integral Service and Parking Brakes -- Spring Applied, Hydraulically Released			
Axles – for use with Tires up to 30.5 x 32			
P40 Oscillating Front Axle, Hydraulic Locking Differential, Outboard Planetary Design	STD	N/A	
P40D Solid Mount Rear Axle, Hydraulic Locking Differential, Outboard Planetary Design	STD	N/A	
Axles – for use with Tires over 30.5 x 32 – and duals			
W80 Oscillating Front Axle, Hydraulic Locking Differential, Outboard Planetary Design	OPT	STD	
W80D Solid Mount Rear Axle, Hydraulic Locking Differential, Outboard Planetary Design	OPT	STD	
Operator's Cab			
Enclosed ROPS, FOPS, and OPS Tilt Cab, 1.3 cm (1/2") Tinted Polycarbonate Windows, Sliding Door Windows, Heater and Air Conditioning, Radio Ready Cab -- includes speakers, AM/FM antenna, Analog Gauges with Warning Lights, Air Suspension Cloth Covered Operators' Seat with 25 Degree mounting, Orbital Steering Wheel, Pilot Joystick Control for Arch/Boom, Grapple Open/Close with Constant Close Pressure, Grapple Rotate, Lever Blade Control, De-clutch and Differential Lock Toggle Switches, Front Wiper/Washer, Cup Holder - Meets or Exceeds SAE J231, J1084, J1040, J386 and ISO 8084, 6683, 3471, 8083	STD	STD	
Digital AM/FM/Weather Band Radio/CD Player with XM Receiver	OPT	OPT	
Integral Pressurized Water Tank Mounted Under Cab, 5# Fire Extinguisher	STD	STD	
10# Fire Extinguisher	OPT	OPT	
Road Lights - 1 Front, 2 Rear	OPT	OPT	
Single Arch Working Lights – 3 Front, 2 Side, 2 Rear	OPT	N/A	
Dual Arch Working Lights – 3 Front, 2 Side, 2 Rear, 2 Boom	N/A	OPT	
Structural			
Front Frame - Reinforced Nose, Full Access Belly Pans, Locking Side Screens, Swing-down Front Grill, Dual Limb Risers, Central Grease Bank, Saddle Mounted Fuel Tanks with Integrated Cab Access Steps, 90 Degree Steering Articulation	STD	STD	
Front Blade - 276.9 cm (109") Wide Decking Blade with 15.2 (6") x 25.4 cm (10") HD Blade Arms, Reverse Horns	STD	STD	
Center Joint – Dual Roller Bearings, 7.6 cm (3") Diameter Pins	STD	STD	
Rear Fenders	OPT	OPT	
Hydraulics			
Pressure Compensated Piston Pump, Pilot Operated Closed Center Valves, Side-by-side Oil Cooler, Dedicated Hydraulic Oil Cooling Pump, Heavy Duty Cylinders with Cast Ends, O-ring Face Seal Fittings, Filtered Oil Fill System	STD	STD	
WCB Package - Includes Secondary Steering Pump And Labeling to meet BC WCB G603 & G604	OPT	OPT	
Arch, Grapples & Winch			
Single Function Arch and Boom with Delimiting Grate—270 Degree Rotation with Snubber	STD	N/A	
279.4 cm (110") Bunching Head – NC Rotation, 1.04 sq. m. (11.2 sq. ft.) Capacity, 279.4 cm (110") Open/ 13.5 cm (5.3") Closed	STD	N/A	
Dual Function Arch and Boom with Delimiting Grate—Continuous Rotation with Snubber	N/A	OPT	
1.16 sq. m. (12.5 sq. ft.) Capacity – 04.8 cm (120") Bunching Head, 304.8 cm (120") Open/ 13.5 cm (6") Closed	N/A	OPT	
1.34 sq. m. (14.4 sq. ft.) Capacity – 307.3 cm (123") Thinning Head, 307.3 cm (123") Open/ 13.5 cm (7.5") Closed	N/A	OPT	
1.38 sq. m. (14.9 sq. ft.) Capacity – 317.5 cm (127") Thinning Head, 317.5 cm (127") Open/ 15 cm (7.2") Closed	N/A	OPT	
Winch			
18,143.7 kg (40,000 lb.) Line Pull Capacity Winch - 20.3 cm (8") Drum – includes Fairlead Rollers – Sealed Wet Disc Clutch, Drive Shaft only turns when winch is activated	OPT	OPT	
Cable Diameter	Capacity	Max. Line Pull	Max. Line Speed
1.58 cm (5/8")	77.4 m (254 ft)	With 1.9 cm (3/4") Cable	With 1.9 cm (3/4") Cable
1.9 cm (3/4")	54.6 m (179 ft)	Bare Drum – 22 120.3 kg (48,767 lbs.)	39.93 m/min (131 fpm)
2.22 cm (7/8")	39.3 m (129 ft)	Full Drum – 11 328 kg (24,974 lbs.)	66.45 m/min (218 fpm)
2.54 cm (1")	30.5 m (100 ft)		



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We reserve the right to change specifications and to improve our products without notice or obligation.

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