

**PRENTICE**

**2410 Pipe Handler**



*Built Better Than It Needs To Be*

Prentice has the loader to make your day productive, profitable and comfortable. Prentice loaders are built using advanced boom design technology, for the strength and reliability needed to meet the demands of high production pipe handling. Advanced features such as smooth and responsive joystick controls, and quiet, comfortable cabs, contribute to making the name Prentice synonymous with quality.



#### **Prentice Loader Booms**

Prentice loader booms are built tough with welded high-strength steel. Booms feature heavy steel castings at the base end, stick end, and cylinder junctions with the main boom.

#### **Engineered Stability**

Prentice heavy-duty subframes are engineered for high reliability. Lock valves integrated into the stabilizer circuit reduce cylinder movement and increase stability. Wide stabilizer leg spread, large pad size and deep below grade reach provide a stable base.

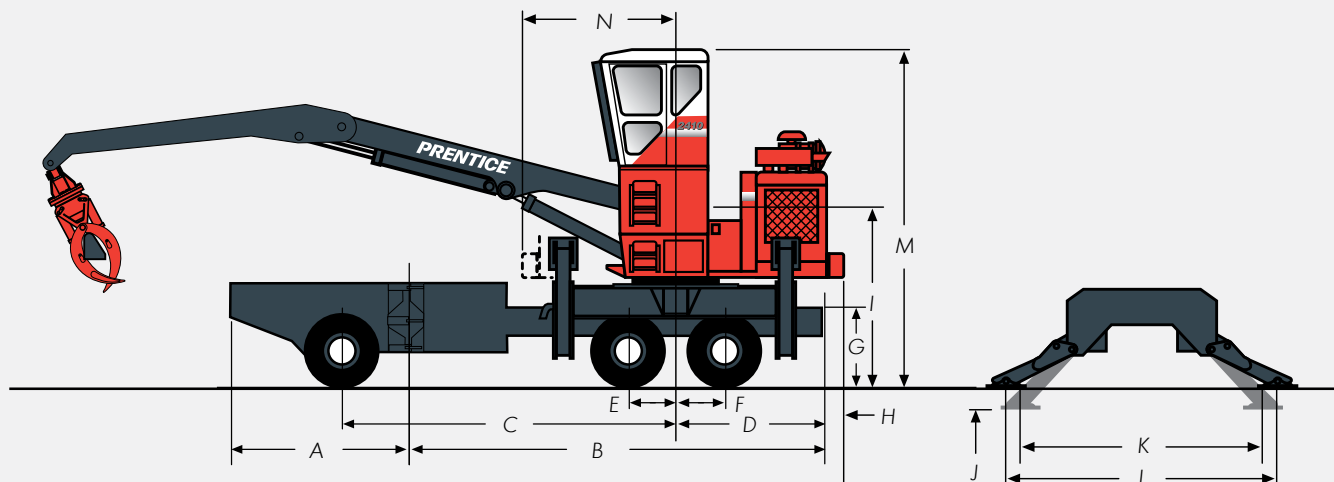
#### **High Visibility**

Excellent visibility of the work area is provided through large tinted cab windows. Overhead visibility is maximized through the large, tinted Lexan skylight. Operator protection is afforded by the front guard. This swingout guard is designed for quick and simple access for front window cleaning.

#### **Superior Operator Station**

Prentice loader cabs are designed with operator comfort in mind. The spacious cabs feature a large, fully adjustable suspension seat with lumbar support. Fold-up armrests are fully adjustable to allow adjustment of the joystick controls to match the operator.

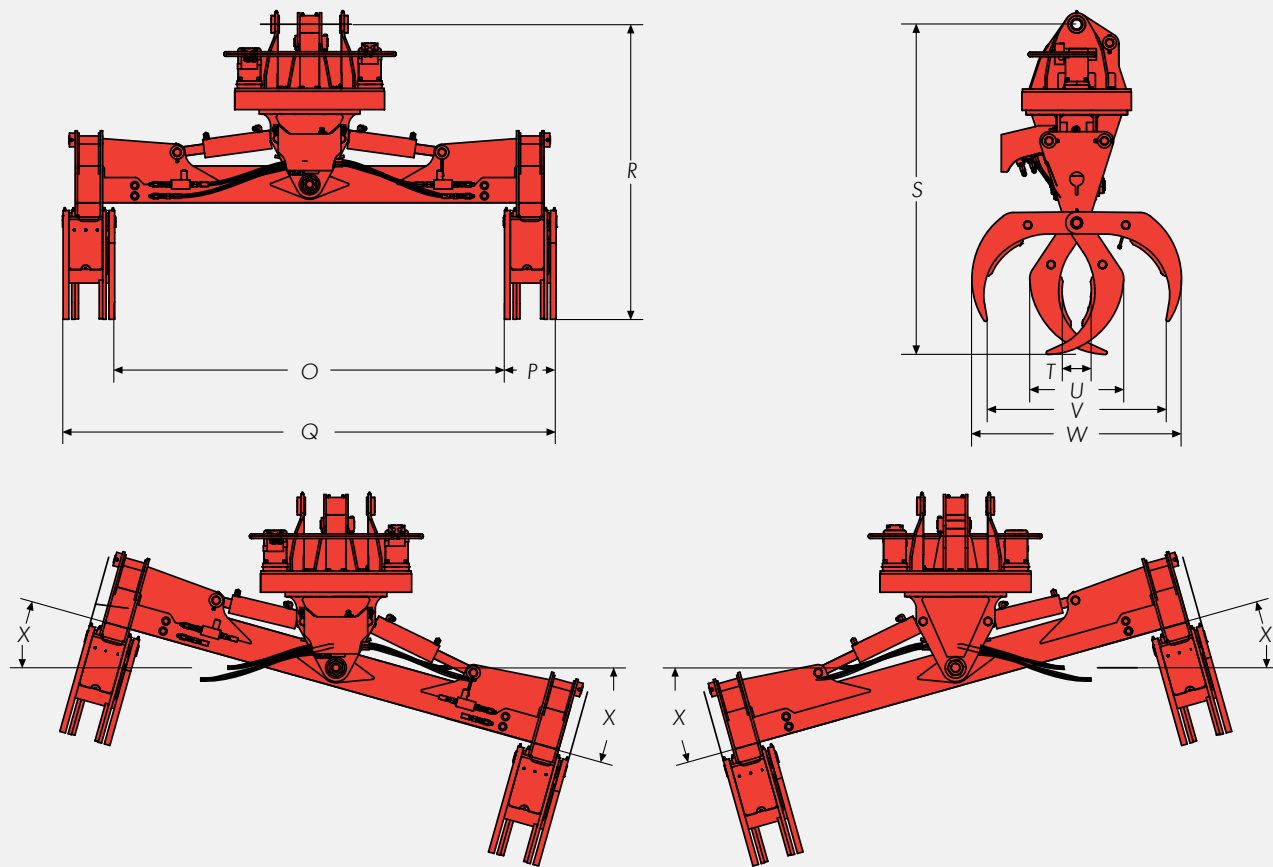
## DIMENSIONS



### 2410 Machine Dimensions

A	B	C	D	E & F	G	H	I	J	K	L	M	N
269.24 cm	477.52 cm	411.48 cm	162.56 cm	68.58 cm	101.60 cm	27.31 cm	269.24 cm	39.37 cm	454.66 cm	495.30 cm	490.22 cm	248.92 cm
106.00"	188.00"	162.00"	64.00"	27.00"	40.00"	10.75"	106.00"	15.50"	179.00"	195.00"	193.00"	98.00"

Shown (not to scale): PRENTICE "SPA" Self-Propelled Articulated Carrier with 9.00x20 tires.



### Grapple Dimensions

O	P	Q	R	S	T	U	V	W	X
215.90 cm	28.70 cm	273.05 cm	163.32 cm	181.61 cm	16.00 cm	51.82 cm	98.55 cm	115.32 cm	15.7°
85.00"	11.30"	107.50"	64.30"	71.5"	6.30"	20.40"	38.80"	45.40"	



## SPECIFICATIONS

		<b>2410</b>
<b>Engines &amp; Driveline</b>		
Cummins	QSB 173HP TIER 3	STD
Engine RPM	Full Load Governed	2200
Electrical	12 V System, Circuit Breaker Protection, Master Electrical Disconnect Switch Electronic Monitoring System, 2 Cab Mounted Work Lights	STD
	2 Boom Lights, Block Heater, Cold Weather Start Kit	OPT
Pump Drive	Direct	STD
<b>Operator's Cab</b>		
	94 cm (37") x 127 cm (50") left side mounted with isolation pads, Tinted Safety Glass Windows, Lexan Skylight, Sun Visor, Fully adjustable Seat with Fold-up armrests, Operator protection Guard, Pressurized Cab with Heat/Air Conditioning, Integral Heat/AC Ductwork	STD
Tachometer		OPT
Windshield Wiper/Washer, Horn, Defroster Fan, Lighter, Dome Light, Fire Extinguisher		STD
Swing Open Door with Sliding Window, Sliding Cab Window		
<b>Hydraulic System</b>		
Triple Section Gear Pump		STD
Flows	LPM (GPM) @ 2200 RPM	216 (57), 155 (41), 125 (33)
	Pilot Pump (Standard with pilot joysticks)	STD
Pressure	System kPa (PSI)	17,236 (2,500)
	Swing kPa (PSI)	17,236 (2,500)
Swing Motor	Axial Piston Motor	STD
Swing Speed	RPM	7
Control	Pilot Joysticks	STD
	Single Rocker Type Swing Pedal	STD
	Electrical Stabilizer Controls	STD
Filtration	Two Single Element Return Filters	STD
Swivel	Steel Barrel with Durabar Core	STD
Serviceability	Diagnostic nipples on pumps, Hand Hydraulic Oil Fill Pump	STD
Cylinders, Bore x Rod	Main (2)	15.24 cm x 10.16 cm (6"x4")
	Stick (1)	17.78 cm x 10.16 cm (7"x4")
	Stabilizer(4)	15.24 cm x 10.16 cm (6"x4")
<b>Structural</b>		
Upper Frame	139.7 cm (55") Fix Mount Cab Riser (4.57 m / 15' Eye Level)	STD
Counterweight	kg (lbs.)	1,392.5 (3,070)
Booms	10.7 m (35') Knuckleboom for use with Pipe Handling Attachment	STD
Swing Bearing	Diameter	137 cm (54") OD
	Gearing	External
Lower Frame	Bolt-on Skid Resistant Fenders, Two Wide Tread Ladders	STD
Tumtable Mounting	Centered Tumtable	STD
Stabilizers	Pad Size	55.88 cm x 66.04 cm (22" x 26")
<b>Capacities</b>		
	Fuel      Liters (Gallons)	336.9 (89)
	Hydraulic      Liters (Gallons)	246 (65)
<b>Unit Weight</b>	Approximate - Wet, includes Loader, 35' Boom, Pipe Handler Attachment, Carrier and Tires	23 587 kg (52,000 lbs)

### Specifications of the "SPA" Self-Propelled Articulated Carrier

<b>Articulating Cylinders</b>	(2); 8.89 cm (3 1/2") Bore, 5.08 cm (2") rod
<b>Speed</b>	Forward and Reverse, Low Range 5.23 km/h (3 1/4 mph), High Range 10.86 km/h (6 3/4 mph)
<b>Frame</b>	Welded 30.48 cm (12") I-beam, boxed in critical areas. Loader can be removed from carrier to facilitate service.
<b>Drive Axle</b>	22,680 kg (50,000 lbs.) Rated live tandem (reconditioned)
<b>Front Axle</b>	10,433 kg (23,000 lbs.) Rated Timken (reconditioned hubs)
<b>Tire Options</b>	9.00x20, 10 ply, 10.00x20, 10 ply, 11.00x20, 10 ply
<b>Wheels</b>	Rear-dual 10 hole Budd discs with 50.8 cm (20") rims    Front-10 hole reversed Budd discs with 50.8 cm (20") rims. Rims will accept tire sizes up to 11.00x20
<b>Parking Brakes</b>	Spring-actuated brakes lock all four drive wheels; hydraulically released.
<b>Service Brake</b>	Hydraulically actuated brakes for all four drive wheels.
<b>Articulating Pivot</b>	(2) Pins, 7.62 cm (3") diameter special alloy steel
<b>Power</b>	Five-piston radial two-speed drive motor with shift control located in loader cab.
<b>Steering Lockout</b>	Mechanical lockout link provided to freeze the articulation joint during transit or maintenance.
<b>Steering</b>	Special "float" valve in loader swing control permits articulation while boom and grapple rest on front section of carrier frame. Lockout ensures that "float" valve may ONLY be activated while carrier is in "DRIVE" mode.
<b>Gradeability</b>	17.6%
<b>Turning Radius</b>	9.45 meters (31 feet)



[www.prenticeforestry.com](http://www.prenticeforestry.com)

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

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