



## 2510 Wheel Harvester

2510 with 8.23 m boom and Prentice PD-46 processing head



*Built Better Than It Needs To Be*



The Prentice 2510 wheel harvester is a purpose-built forestry machine incorporating field-proven components and state-of-the-art manufacturing processes that produce the quality synonymous with the Prentice brand. Unique features include the front-entry cab for easy entry and egress and a leveling platform, which can level in all directions. The cab and the boom sit on the platform, which gives the operator optimum visibility of the work area. A wide selection of factory-matched Prentice harvesting and processing heads are available.

2510 with 8.23 m boom and Prentice PD-46 processing head



#### **Power Train**

- Cat C7 ACERT Tier 3
- 147 kW (197 HP)
- Side by Side Engine, Air & Hydraulic Cooling
- Under Hood Exhaust System
- Under Hood Air Intake
- 24 Volt 85 Amp Alternator
- NAF Gear Drive Bogie (front)
- Differential Lock
- Wet Disc Brakes
- Hydrostatic Drive With Two Speed Drop Box
- Funk 1200 axle (rear)

#### **Leveling System**

- Two Cylinder Tilt Mechanism
- 17 Degrees Forward Tilt
- 15 Degrees Side Tilt (Each Way)
- 3 Degrees Rear Tilt
- Auto Leveling
- Taper Lock Pins

#### **Booms**

- Telescoping "V" Bottom (5-sided) Harvester Boom
- 8.23 m (27') Reach To Tree
- Steel Tube Hydraulic Lines
- Cylinders Protected Under Boom
- Optional 10.4 m (34.1') Reach to Tree Parallel Boom

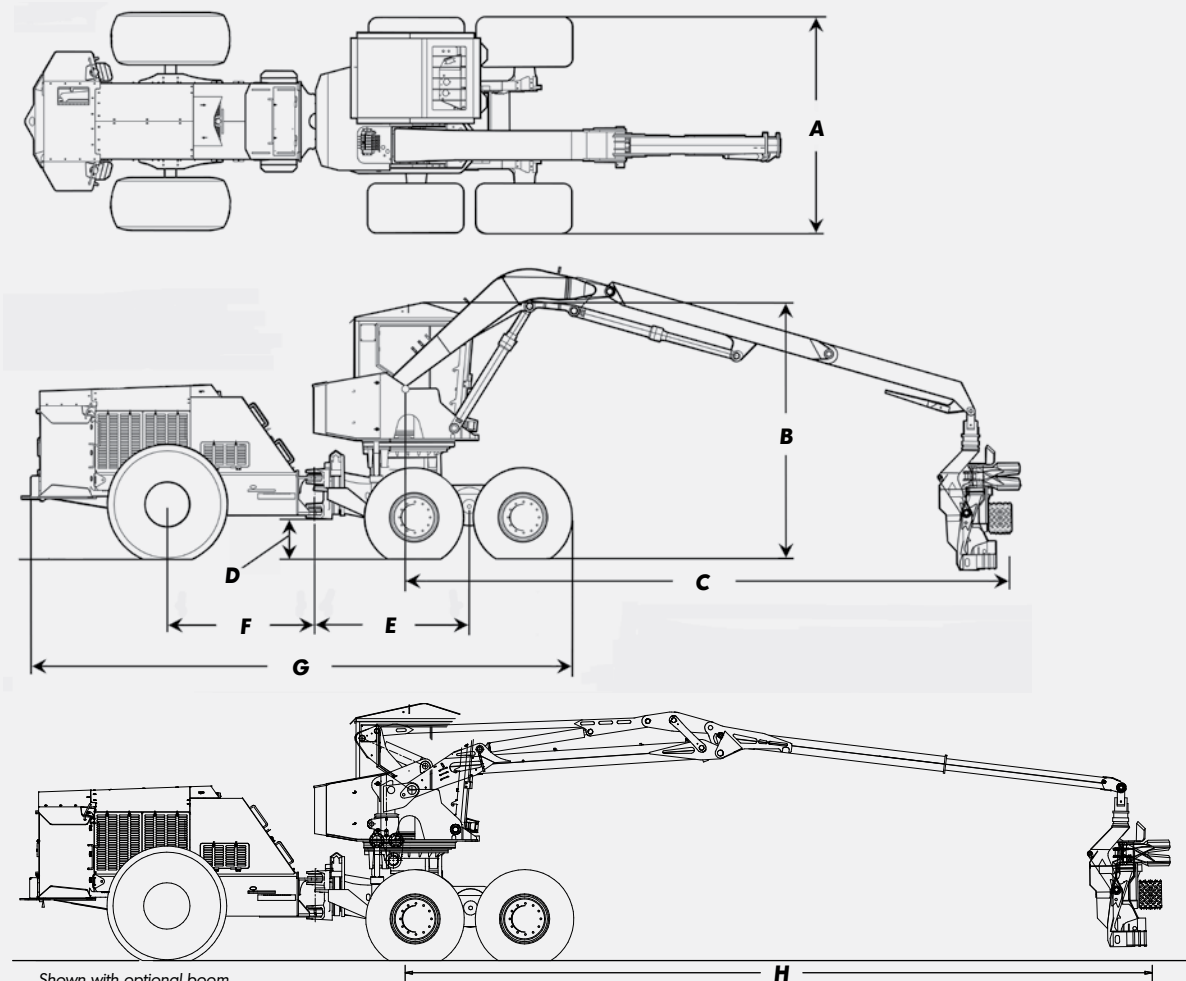
#### **Operator Station**

- Front Entry Door
- Spacious Cab Area
- High Visibility Over Entire Work Area
- 360 Degree Lighting Package
- IQAN MDL Machine Control System
- Full Function Graphics Display
- Sure Grip Control Handles
- IQAN/DASA Head Controls

#### **Hydraulics**

- 140 cc Implement Pump
- 379 L (100 gal) Hydraulic Tank
- Filtering of All Return Oil
- Electric Refill Pump
- Optional Warm Up System

## 2510 WHEEL HARVESTER BASIC DIMENSIONS



Machine Dimensions	2510
<b>A</b> = Overall width	3.0 m (118")
<b>B</b> = Height to top of cab	3.52 m (139")
<b>C</b> = Reach to tree (standard boom)	8.23 m (324")
<b>D</b> = Ground clearance	.56 m (22")
<b>E</b> = Articulation to front bogie centre	2.13 m (84")
<b>F</b> = Articulation to rear axle centre	2.03 m (80")
<b>G</b> = Base carrier length	7.6 m (299")
<b>H</b> = Reach to tree (optional boom)	10.4 m (409")

Weight: with PD-46 Head @ 10' Radius	
<b>(Rear Axle)</b>	6,858.3 kg (15,120 lb)
<b>( Front Axle)</b>	14, 479 kg (31,920 lb)
<b>Total</b>	21,319 kg (47,040 lb)
<b>Turning Radius</b> without differential lock	11.785 m (38' 8")
<b>Turning Radius</b> with differential lock	13.462 m (44' 2")

### Work Tools

- 11H High Speed Bar System
- Auto Tension System
- Power Down Ability In Bail Design
- Large Pins and Bushings
- Standard "auto-seek" processing head computer cuts at operator-specified length
- Optional volume calculator / printer
- A full line of Prentice harvester heads is available, factory installed. Consult a Prentice Processing Head spec sheet for specific models and carrier application guide.

### Structures

#### Upper House

- Boom and Cab Swing Together
- Heavy Duty Boom Mount Base
- 907.19 kg (2,000 lb) Counterweight
- Load-sense Valves for Upper Functions

#### Front Frame

- NAF Gear Drive Bogie
- Differential Lock
- Wet Disc Brakes

### Rear Frame

- Funk 1200 axle
- Side Mounted Fuel Tanks
- Heavy Duty Engine Canopy Protection
- Large Access Doors

### Center Joint

- Heavy Duty Center Oscillation Bearing
- 15 Degrees Oscillation Each Way
- Frame Lock Cylinder System

### Articulation

- Cast Articulation Knuckle
- 40 Degrees Articulation Each Way
- Captured Lower Pin
- Heavy Duty Steering Cylinders
- Electronic Cushioned Steering Stops

## 2510 WHEEL HARVESTER GENERAL SPECIFICATIONS

		2510
<b>Engine</b>		
C7 ACERT Tier 3, 147 kW/197 HP @ 1800 rpm		STD
<b>Fuel Tank Capacity</b>		
454 L / 120 gal.		STD
Electric refuel pump		OPT
<b>Structural</b>		
Heavy duty house leveling system; 17° forward, 15° each side, 3° backwards		STD
Heavy duty engine house and center oscillation bearing, 15° each way		STD
Cast steel articulation knuckle, 40° each way		STD
<b>Booms</b>		
8.23 m (27') reach telescoping harvester boom		STD
10.4 m (34.1') reach telescoping parallel harvester boom		OPT
<b>Drivetrain</b>		
Hydrostatic drive with two speed drop box (0-19 km/hr)		STD
<b>Axles</b>		
Gear drive front bogie with differential lock and wet disc brakes		STD
Straight rear axle with wet disc brakes and differential locks		STD
<b>Tires</b>		
700 / 50 x 26.5 front tires and 28 L x 26 rear tires		STD
Bogie tracks		OPT
<b>Brakes</b>		
Service brake: Hydrostatic-dynamic braking plus pedal operated front and rear wet disc brakes		STD
Parking brake on front bogie		STD
<b>Hydraulic System</b>		
Pump:	140 cc implement pump; load sensing; variable displacement	STD
	378.43 L / 100 gal. hydraulic tank with filtering of all return oil	STD
	Electric refill pump	STD
	Vacuum pump	OPT
	Proheat warm up system	OPT
<b>Operators Cab</b>		
High visibility cab with front entry cab door; 360° lighting package		STD
Reverse slope windshield/Side window escape hatches		STD
A/C, heater		STD
AM/FM cassette		STD
IQAN MDL control system with full function graphics display		STD
<b>Work Tools</b>		
Available with a full line of harvesting head options		OPT
<b>Weight</b>		
21319 kg / 47,000 lbs. with attachment		STD



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

**Caterpillar Forest Products**  
 535 Mack Todd Road  
 Zebulon, NC 27597  
 919-269-7421

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

Form No. PRWH-0407 · Printed in U.S.A.

Courtesy of MachineMarket