



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 8.5 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

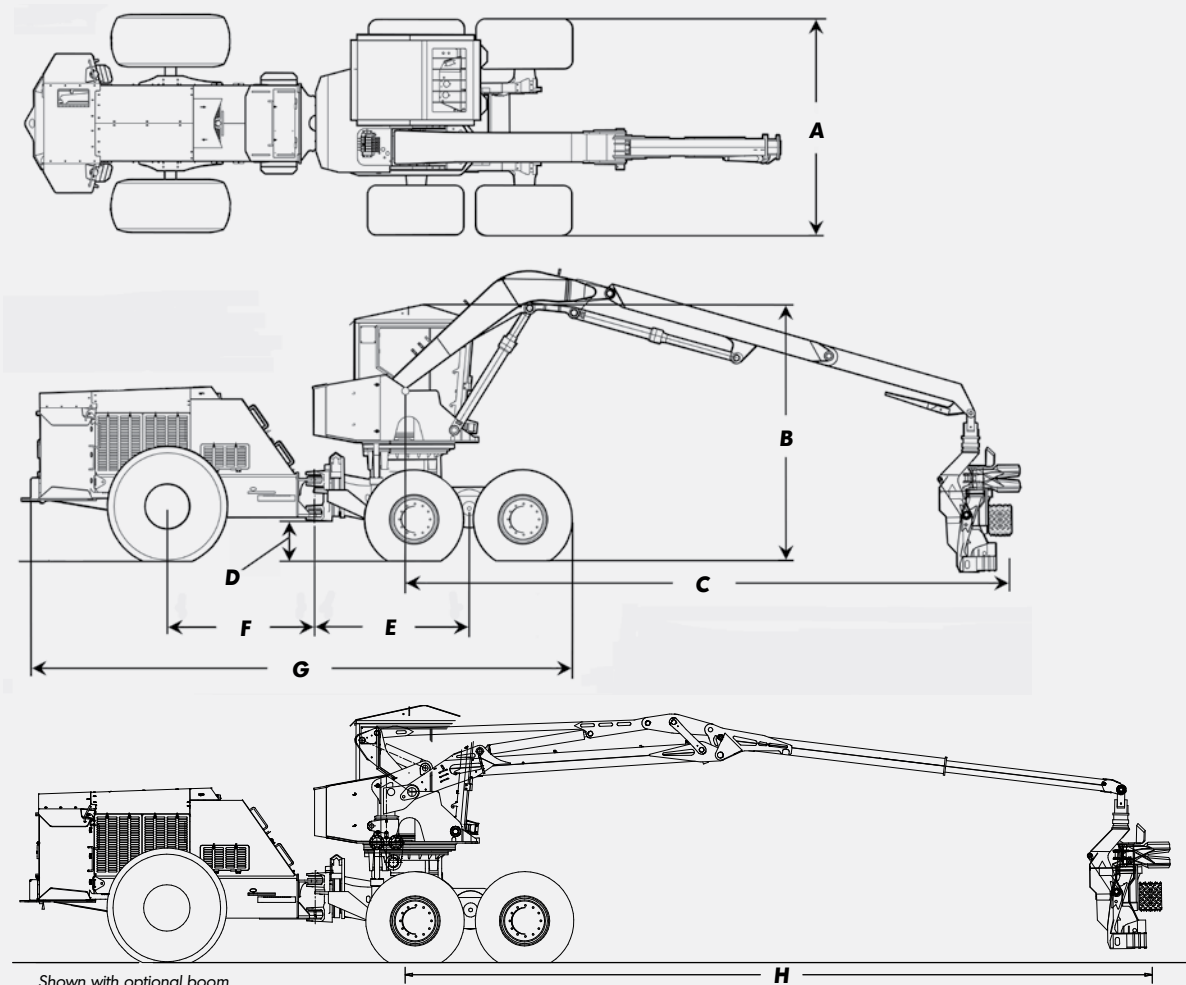
Operator Station

- 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



Shown with optional boom.

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

Weight: with PD-46 Head @ 10' Radius	
(Rear Axle)	6,858.3 kg (15,120 lb)
(Front Axle)	14, 479 kg (31,920 lb)
Total	21,319 kg (47,040 lb)
Turning Radius without differential lock	11.785 m (38' 8")
Turning Radius 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
Engine	
C7 ACERT Tier 3, 147 kW/197 HP @ 1800 rpm	STD
Fuel Tank Capacity	
454 L / 120 gal.	STD
Electric refuel pump	OPT
Structural	
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
Booms	
8.23 m (27') reach telescoping harvester boom	STD
10.4 m (34.1') reach telescoping parallel harvester boom	OPT
Drivetrain	
Hydrostatic drive with two speed drop box (0-19 km/hr)	STD
Axles	
Gear drive front bogie with differential lock and wet disc brakes	STD
Straight rear axle with wet disc brakes and differential locks	STD
Tires	
700 / 50 x 26.5 front tires and 28 L x 26 rear tires	STD
Bogie tracks	OPT
Brakes	
Service brake: Hydrostatic-dynamic braking plus pedal operated front and rear wet disc brakes	STD
Parking brake on front bogie	STD
Hydraulic System	
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
Operators Cab	
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
Work Tools	
Available with a full line of harvesting head options	OPT
Weight	
21319 kg / 47,000 lbs. with attachment	STD



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.