



2090 • 2190 Track Harvester



Built Better Than It Needs To Be

Prentice 2090 and 2190 Track Harvester models were designed for maximum productivity and efficiency under a wide variety of logging conditions. Reliability starts with a rugged undercarriage that provides up to 66 cm (26 inches) of ground clearance to handle the most challenging forestry applications. Performance extends equally from front to rear with proven Caterpillar® engines, pressure compensating - on demand hydraulic systems, comfortable cabs and sturdy, reliable boom and processor systems.



Undercarriage

Prentice Track Harvesters feature a proven X-design carbody and large, forestry-duty track system. The high walker carbody is built with rugged, precision-welded frames to reduce flexing and increase service life for rollers and track links. The frame also includes integrated welded track guards and side rails that prevent debris from collecting around the undercarriage.

Boom Options

Prentice Track Harvesters deliver maximum productivity in a wide variety of applications. Equipped with the standard boom, the reach ranges from 6.5-7.0 m (21 to 23 feet), while the optional telescoping "V" bottom (5-sided) harvester

boom extends the reach to 8.2 M (27 feet). With either option, the large, heavy duty swing bearing provides a solid platform for extended service life.

Hydraulic System

The Prentice 2090 and 2190 are equipped with a variable-displacement, load-sensing hydraulic system backed by 378 L (81 gpm) hydraulic flow and 545 Bar (5,000 psi) pressure.

Operator Station

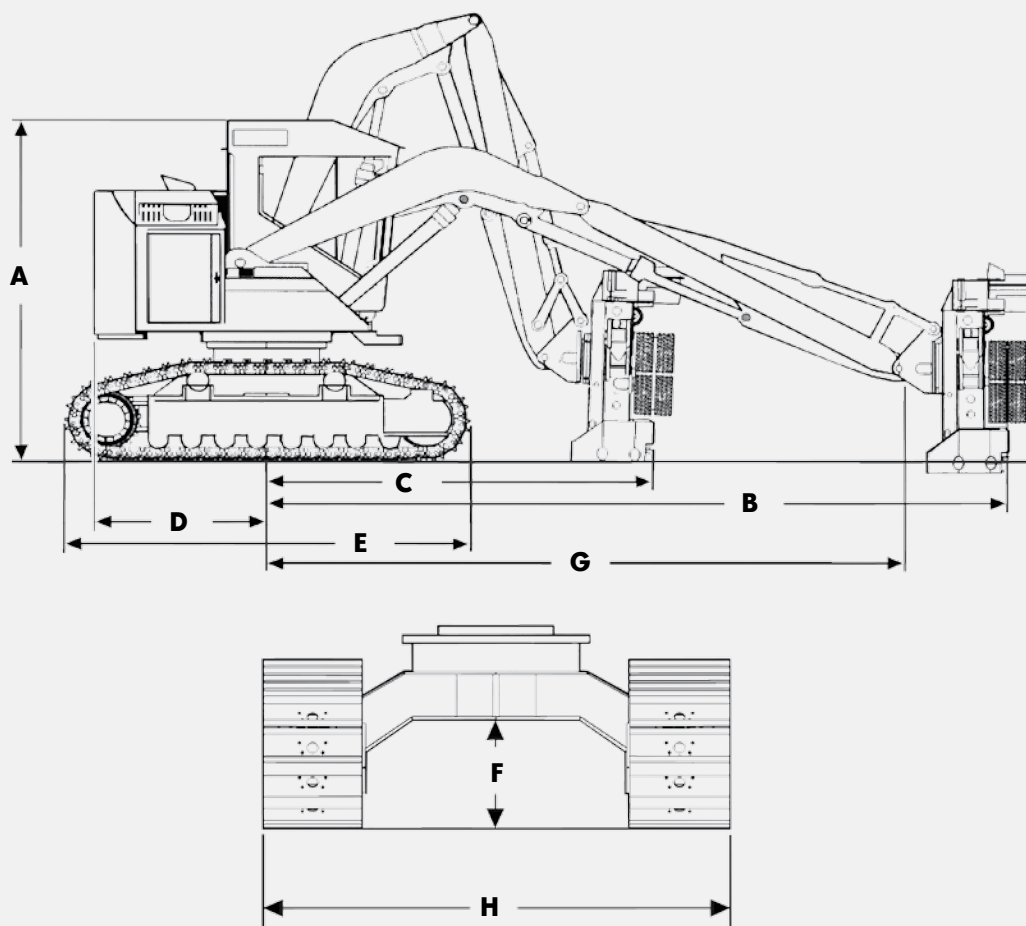
Operator comfort starts with an ergonomically designed shock suspension seat and standard climate control system to reduce operator fatigue and improve productivity. The forestry cab used on the

2090 and 2190 Track Harvesters was not only designed with heavy-duty structures, to meet FOPS/ROPS/OPS requirements, but for exceptional visibility, as well. The cab-forward design, compact rear engine compartment design and forward sloping front window, which easily sheds debris, optimizes visibility to the front, rear and sides for improved operator efficiency. The special front entry cab door further adds to the operator-friendly environment.

Powertrain

Featuring the latest in engine technology, the Cat® C6.6 Acert engine used in the 2090 and 2190 Track Harvester models meets all mandated EPA off-road Tier 3 emissions regulations... without sacrificing

TRACK HARVESTER BASIC DIMENSIONS



	2090	2190
A. Height with Standard Pads	3327 mm (10' 11")	3429 mm (11' 3")
B. Maximum Reach with Prentice PF-48 Processor	6401 mm (21')	7087 mm (23' 3")
C. Minimum Reach with Prentice PF-48 Processor	3658 mm (12')	3658 mm (12')
D. Swing Center to Rear of Counterweight	1645 mm (64.75")	1645 mm (64.75")
E. Undercarriage Length	3632 mm (11' 10")	3962 mm (13')
F. Ground Clearance	610 mm (24")	660 mm (26")
G. Reach To Stick Boom Pin	5359 mm (17' 7")	6045 mm (19' 10")
H. Width	with 560 mm (22") pads — 2591 mm (8' 6")	with 610 mm (24") pads — 2845 mm (9' 4")

performance, durability, reliability or fuel economy. The in-line, 6-cylinder Cat engine is also built for greater power and lower maintenance, thanks to its innovative design.

Balanced Fuel Capacity

The Model 2090 and 2190 come with a 378.5 Liter (100-gallon) fuel tank for less time spent refueling and greater productivity. The large-capacity fuel tank and 227.1 Liter (60-gallon) hydraulic oil reservoir are integrated into the counterweight design to provide unparallelled access to the complete hydraulic system.

Quick, Easy Service Access

Prentice models feature a tilt cab that allows quick, easy access to the engine, cooling system, rotary swivel and other cab components for periodic service and maintenance.

Computer-Based Control

Conveniently placed controls and joysticks that operate all major implement functions provide easy operation. An easy-to-read IQAN computer-based system allows the operator to continually monitor all machine functions on a full color graphics screen. The IQAN system also allows

the operator to maintain precise control through the fully proportional valving system. The system even provides early warning of any potential problems.

Attachments

A full line of Prentice processor/harvester heads are available, factory installed. Consult a Prentice Processing Head Spec sheet for specific models and carrier application guide.

TRACK HARVESTER GENERAL SPECIFICATIONS

Undercarriage	2090	2190
Track Systems		
D-4 Track Size with 709 C3B Final Drives	S	N/A
D-5 Track Size with 709 BC Final Drives	N/A	S
Shoe Widths		
560 mm (22 in) Single Bar Grouser pads with Mud/Snow Relief	O	N/A
560 mm (22 in) Double Bar Grouser pads with Mud/Snow Relief	S	N/A
610 mm (24 in) Single Bar Grouser pads with Mud/Snow Relief	N/A	O
610 mm (24 in) Double Bar Grouser pads with Mud/Snow Relief	N/A	S
760 mm (30 in) Double Bar Grouser pads with Mud/Snow Relief	N/A	O
8 Lower Rollers, 2 Upper Rollers, All interchangeable	S	S
Heavy Duty "D" Tow Rings	S	S
Relief Sprockets	S	S
2 Speed Track Motor	S	S
63kN (36,600 lb-f) Tractive Effort, 15,648.9 kg (34,500 lb) Drawbar Pull	S	N/A
193kN (43,400 lb-f) Tractive Effort, 18,597.2 kg (41,000 lb) Drawbar Pull	N/A	S
Upper Structure		
Full Lighting Package - 10 Cab-mounted Halogen Lights	S	S
Radio Ready	S	S
Radio/CD player with XM receiver	O	O
Adjustable Shock Cushioned Seat	S	S
I-QAN® MDL Hydraulic Control System with full color graphics display	S	S
ROPS/FOPS/OPS CAB	S	S
Heater/Air Conditioner	S	S
Heater, Artic package-includes engine, water and hydraulic oil heater	O	O
Boom Systems		
6.4 m (21 ft) Main and Stick with Tool Cylinder and Linkage (Reach To Tree)	S	N/A
7 m (23 ft 3 in) XL Main and Stick with Tool Cylinder and Linkage (Reach To Tree)	O	S
8.2 m (27 ft) Telescopic Boom Configuration (Reach To Tree)	O	O
Powertrain		
117 kW (157 HP) CAT C6.6 ACERT Tier III Engine	S	S
Side by Side Water/Hydraulic/Air Cooling Package	S	S
12 Volt Electrical System with Master Disconnect, 160 Amp Alternator	S	S
378 L (100 gal) Fuel Tank	S	S
Hydraulics		
545 Bar (5000 psi) Variable Displacement Load Sense Hydraulic System	S	S
307 L/min (81 gpm) Hydraulic Oil Flow	S	S
230 L (60 gal) Hydraulic Oil Reservoir	S	S
Electric Hydraulic Oil Fill Pump	S	S
Oil Cooler with Thermal Bypass	S	S
Fully Proportional Electronic Controls	S	S
Weight		
Without Attachment	15,900 kg (35,000 lbs)	18,000 kg (40,000 lbs)

S = Standard
O = Optional
N/A = Not Available



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