

1510G

Key Specs

Load Rating, Standard - 15000.0 kg
Net Peak Power At Engine Speed Power - 164.0 kW
Tractive Force - 185.0 kN

Engine

Load Rating, Standard - 15000.0 kg
Manufacturer - John Deere
Model - John Deere 6068 PowerTech Plus, 6,8 L
Non-Road Emission Standards - EU Stage V / EPA Tier IV
Engine Speed Used For Net Peak Power - 1900.0 rpm
Net Peak Power At Engine Speed Power - 164.0 kW
Engine Speed Used For Net Peak Torque - 1500.0 rpm
Net Peak Power At Engine Speed Torque - 978.0 Nm
Fuel Tank Capacity - 167.0 L

Transmission

Type - Hydrostatic-mechanical, 2-speed gearbox
Tractive Force - 185.0 kN
Gear 1 Travel Speed Range - 7.0 km/h
Gear 2 Travel Speed Range - 23.0 km/h

Brakes

Brakes

Parking/Emergency - Spring actuated

Service - Hydraulically actuated, oil-immersed, multi-disc

Frame - Automated

Steering

Type - Proportional steering with electrical joystick

Turning Angle - 44.0 degrees

Axles And Bogies

Type - Hydromechanical differential lock in front and rear

Axles Front - Single rigid axle, non-balanced- or balanced-gear heavy-duty (HD) bogie axle

Axles Rear - Balanced-gear HD bogie axle or unbalanced long bogie (LGP)

Electrical

Voltage - 24.0 V

Batteries - 145.0 amp-hr

Alternator - 150.0 amp

Lights - Light-emitting diodes (LEDs)

Hydraulics

Type - Load sensing

Pump Capacity - 180.26 cm^3

Operating Pressure - 24.0 MPa

Hydraulic Tank - 163.0 L

Boom CF7

Maximum Reach Length - 10.0 m

Gross Lifting Torque - 125.0 kNm

Slewing Torque - 32.5 kNm

Slewing Angle - 380.0 degrees

Boom CF7S

Maximum Reach Length - 10.0 m

Gross Lifting Torque - 143.0 kNm

Boom CF7S

Slewing Torque - 32.5 kNm

Slewing Angle - 380.0 degrees

Operator Station

Type - Fixed or rotating and leveling

Rotating Angle - 290.0 degrees

Sideways Tilt - 10.0 degrees

Forward And Backward Tilt - 6.0 degrees

Precision Forestry

Software/Operating System Type - TimberMatic

Standard Boom Control Aid - Smooth Boom Control (SBC) algorithm

Optional Boom Control Aid - Intelligent Boom Control (IBC)

Machine Dimensions

Short Wheelbase Length - 5300.0 mm

Long Wheelbase Length - 5900.0 mm

Bogie Center - Middle Joint - 1890.0 mm

Short Wheelbase, Middle Joint - Bogie Center - 3414.0 mm

Long Wheelbase, Middle Joint - Bogie Center - 3993.0 mm

Bogie Center - Middle Joint Plus Short Wheelbase, Middle Joint - Bogie Center - 4907.0 mm

Bogie Center - Middle Joint Plus Medium Wheelbase, Middle Joint - Bogie Center - 5304.0 mm

Bogie Center - Middle Joint Plus Long Wheelbase, Middle Joint - Bogie Center - 5913.0 mm

Short Wheelbase, Headboard - Bogie Center - 2591.0 mm

Long Wheelbase, Headboard - Bogie Center - 3200.0 mm

Short Wheelbase, Bogie Center - Rear - 1890.0 mm

Long Wheelbase, Bogie Center - Rear - 2500.0 mm

700-Series Width With Tires - 2957.0 mm

800-Series Width With Tires - 3078.0 mm

Turning Angle - 44.0 degrees

Outer Turning Radius With 700-Series Tires And Short Wheelbase - 8169.0 mm

Outer Turning Radius With 700-Series Tires And Medium Wheelbase - 8748.0 mm

Outer Turning Radius With 700-Series Tires And Long Wheelbase - 9662.0 mm

Inner Turning Radius With 700-Series Tires And Short Wheelbase - 4694.0 mm

Machine Dimensions

Inner Turning Radius With 700-Series Tires And Medium Wheelbase - 5151.0 mm
Inner Turning Radius With 700-Series Tires And Long Wheelbase - 5791.0 mm
Transport Height With Tires - 3810.0 mm
Ground Clearance - 8 Wheel - 660.0 mm
Front Tires - 6-Wheel Options - 86.4 cm (34 in.)
Front Tires - 8-Wheel Options - 67.3 cm (26.5 in.)
Rear Tires Options - 67.3 cm (26.5 in.)
Minimum Machine Weight With 6 Wheels - 16330.0 kg
Minimum Machine Weight With 8 Wheels - 18230.0 kg
Approach Angle - 8 Wheel - 35.0 degrees

Load-Space Options (Measurements Are Guidelines Only And May Vary Depending On Production Tolerances)

Headboard - Bogie Center, Plus Bogie Center - Rear, Short Wheelbase Load Space - 4511.0 mm
Headboard - Bogie Center, Plus Bogie Center - Rear, Medium Wheelbase Load Space - 4511.0 mm
Headboard - Bogie Center, Plus Bogie Center - Rear, Long Wheelbase Load Space - 5700.0 mm
Variable Load Space (VLS) - 4511.0 mm
Load-Space Width Minimum - 2713.0 mm
Load-Space Width Maximum - 3414.0 mm
Load-Space Width VLS - 2950.0 mm
Cross-Sectional Load Space Area - 5.3 m^2
Cross-Sectional Area VLS - 5.4 m^2