



210C

LANDSCAPE LOADER



Model shown may include options

**SAE Net
Horsepower**

60 hp N.A.
(45 kW)

Displacement

239 cu. in.
(3.917 L)

Loader Lift

4,630 lb.
(2100 kg)

MASTER

MASTER

ENGINE

John Deere engineered and manufactured. Replaceable wet-type cylinder liners provide superior heat dissipation, longer life. High-strength alloy head has replaceable valve seat inserts. The forged steel, 5-main-bearing crankshaft is statically and dynamically balanced for smooth operation. Cast aluminum pistons provide good heat transfer and pistons are sprayed with cooling oil for longer life.

Engine: John Deere 4039D
 Rated power at 2,200 rpm60 SAE net hp (45 kW)
63 SAE gross hp (47 kW)
 Cylinders4
 Displacement239 cu. in. (3,917 L)
 Fuel consumption, typical ... 1.12 to 1.75 gal./hr. (4.25 to 6.6 L/h)
 Torque rise, 20 percent172 lb.-ft. (233 Nm)
 Lubricationpressure system w/full-flow filter and cooler
 Air cleanerdual stage dry type with safety element and precleaner
 Electrical system12 volt with 95-amp alternator
 Sucker-type cooling fan

TRANSMISSION

John Deere designed and built 4-speed helical gear, synchronized collar shift transmission with hydraulic reverser. Uses single stage, dual phase 11-inch (280 mm) torque converter with 2.78:1 stall ratio.

TRAVEL SPEEDS

Gear	Forward		Reverse	
	mph	(km/h)	mph	(km/h)
1	3.4	5.5	3.3	5.3
2	5.7	9.2	5.6	9.0
3	12.3	19.8	12.2	19.6
4	20.1	32.3	18.0	29.0

With 16.9-24 rear tires

FINAL DRIVES

Heavy-duty, inboard-mounted planetary type. Evenly distribute axle shock loads over three gears that run in a cooling oil bath.

BRAKES

Hydraulic wet disk service brakes are mounted inboard and are pressure cooled and lubricated. They're self-adjusting and self-equalizing. Individual pedals can be applied together or separately. **Parking/emergency brake** is an independent system that is spring-applied, hydraulically released, and controlled by an electric switch on the control console. Automatically neutralizes reverser when parking brake is applied. A mechanical V-groove band applies pressure on differential ring gear. All brakes conform to SAE J1473.

CAPACITIES

Fuel tank23 gal. (87 L)
 Engine coolant17 qt. (16 L)
 Engine oil including filter9 qt. (8.5 L)
 Torque converter and reverser system8 qt. (7 L)
 Hydraulic system16 gal. (60 L)

STEERING

Hydrostatic power steering gives superior control at all speeds. Excellent steering torque allows easy maneuvering with heavy loads. Power steering conforms to SAE J1151 and emergency steering to SAE J53.

Non-powered axle
 Curb turning radius with brakes12 ft. 0 in. (3.67 m)
 without brakes13 ft. 2 in. (4.0 m)
 Bucket clearance circle with brakes32 ft. 5 in. (9.89 m)
 without brakes34 ft. 7 in. (10.55 m)
 Steering wheel turns, stop to stop2.2 to 2.9
 Mechanical-front-wheel drive
 Curb turning radius with brakes11 ft. 9 in. (3.57 m)
 without brakes13 ft. 5 in. (4.10 m)
 Bucket clearance circle with brakes30 ft. 9 in. (9.38 m)
 without brakes34 ft. 3 in. (10.44 m)
 Steering wheel turns, stop to stop2.5
 Axle oscillations stop to stop, both axles22 degrees

Axle ratings:	Static	Dynamic	SAE J43
Front	36,300 lb. (16,400 kg)	36,300 lb. (16,400 kg)	13,400 lb. (6,000 kg)
Rear	41,100 lb. (18,600 kg)	54,800 lb. (24,800 kg)	11,430 lb. (5,100 kg)

HYDRAULICS

Systemopen center
 Pressure, main relief2,700 psi (18,620 kPa)
 Pumpgear type
 Flow at 2,200 rpm24 gpm (91 L/min.)
 Filter, return oil10 micron, spin-on replaceable element

CYLINDERS

	Bore	Stroke	Rod
	in. (mm)	in. (mm)	in. (mm)
Loader boom (2)	2.76 70	29.8 757	1.77 45
Loader bucket (1)	2.76 70	28.1 715	1.75 40
Steering (1)			
regular axle	2.00 51	9.5 241	1.00 25
Steering (1) MFWD	2.36 60	7.9 201	1.25 32

TIRES

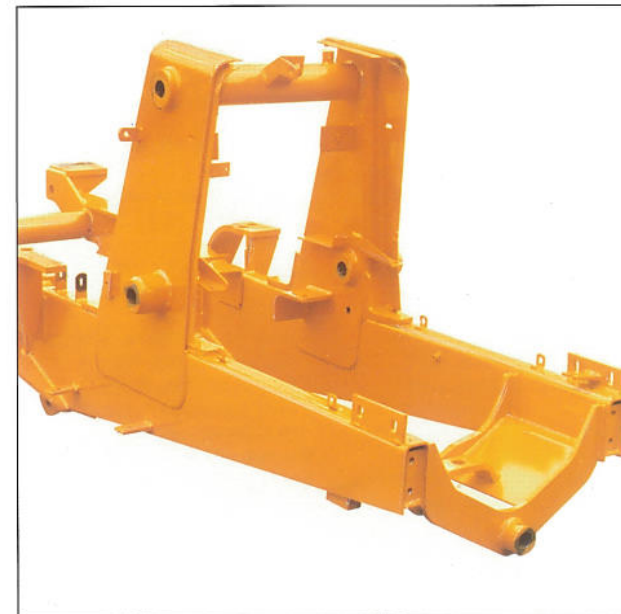
Rear	Front
16.9-24, 8 PR, R4	11L-15, 8 PR
With mechanical-front-wheel drive	
16.9-24, 8 PR, R4	12-16.5, 8 PR

OPERATING WEIGHTS

210C Landscape Loader w/o Gannon
 three-point hitch7,600 lb. (3,447 kg)
 Mechanical-front-wheel drive adds190 lb. (86 kg)
 See backhoe and loader buckets for bucket weights.

NOTE: Unless equipped with a backhoe, this machine requires rear counterweight. See your John Deere dealer for rear attachments and counterweights.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with 16.9-24, 8 PR rear tires, 11L-15, 8 PR front tires, and 1.12 cu. yd. (0.86 m³) loader bucket.



MAINFRAME

All drivetrain components are mounted independently to the massive unitized mainframe where they are isolated from working stress and shock loads. Each drive train component can be removed independently of the others to speed repairs, reduce downtime.



FRONT-WHEEL DRIVE

This rugged, industrial-duty axle can be engaged under load on-the-go. Limited slip differential is offset to provide maximum ground clearance. The axle's sealed design prevents entry of water and mud. Turning radius slightly more than two-wheel drive.



OPERATOR'S STATION

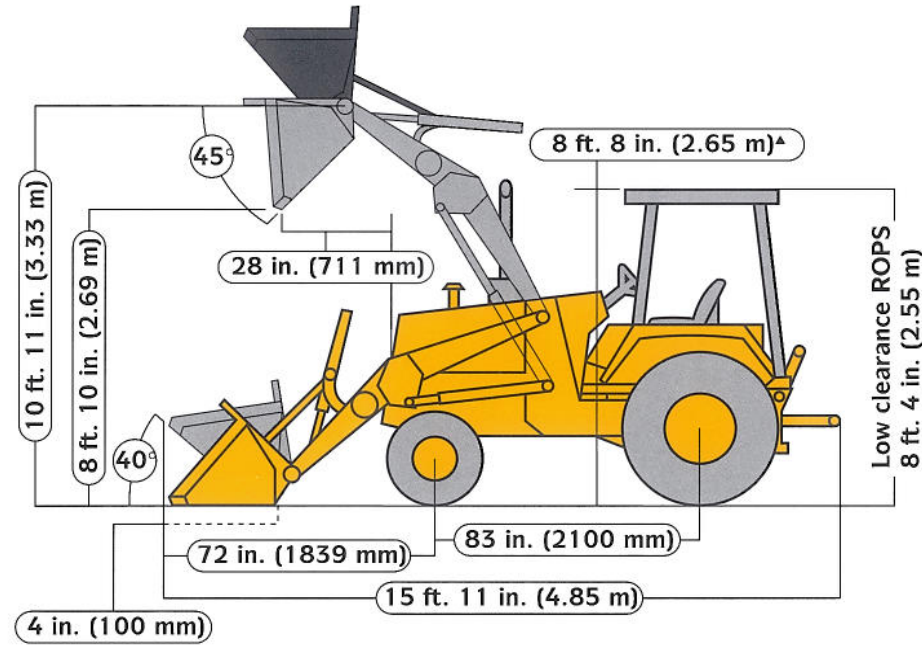
ROPS canopy is standard equipment. Working height is 8 ft. 8 in. (2.55 m). A low ROPS option reduces height to 8 ft. 4 in. (2.44 m), facilitating work in close quarters and beneath overhangs. Audible and two-stage visible warnings alert you to potential problems.



LOADER DESIGN

Simplified linkage and single cylinder design reduces weight and provides an unobstructed view to the bucket. Fewer pivot points and lubrication points reduce maintenance time and expense.

DIMENSIONS



LOADER PERFORMANCE

	w/1.12 cu. yd. (.86 m ³) Heavy-Duty Long Lip Bucket	w/1.0 cu. yd. (.76 m ³) Multi-purpose Bucket
Operator control.....	single lever	single lever
Breakout force.....	6,700 lb. (27.1 kN)	5,500 lb. (22.2 kN)
Lifting capacity, full height.....	4,630 lb. (2100 kg)	3,530 lb. (1602 kg)
Height to bucket hinge pin, max.....	10 ft. 10 in. (3.31 m)	10 ft. 10 in. (3.31 m)
Dump clearance.....	8 ft. 11 in. (2.72 m)	8 ft. 4 in. (2.54 m)
Bucket dump angle, max.....	40 degrees	45 degrees
Reach at full height, bucket at 45 degrees.....	30 in. (760 mm)	30 in. (760 mm)
Roll back at ground level.....	40 degrees	41 degrees
Digging depth below ground, bucket level.....	4 in. (118 mm)	7 in. (180 mm)
Raising time to full height.....	4.5 seconds	4.5 seconds
Bucket dump time.....	1.1 seconds	1.1 seconds
Bucket lowering time.....	2.5 seconds	2.5 seconds

LOADER BUCKETS

Loader:	Width in. (mm)	Heaped Capacity cu. yd. (m ³)	Weight lb. (kg)
Heavy-duty long lip	86 (2184)	1.12 (0.86)	918 (417)
Multipurpose	84 (2134)	1.0 (0.76)	1,341 (608)

ADDITIONAL STANDARD EQUIPMENT

Engine:

John Deere Model 4039D
3.9 liter – 60 SAE net hp
Dual safety element dry-type air cleaner with prescreener and restriction indicator under hood
Enclosed safety fan guard
Conforms to SAE J1308
Engine coolant –34°F (–37°C)
Muffler, under hood, with vertical curved end exhaust stack and non-spark arresting
Naturally aspirated
Quick release John Deere fuel filter
Spin-on engine oil filter
Sucker-type cooling fan

Power Train:

Electric clutch cutoff on gear shift and loader lever
Engine-mounted powershift reverser with torque converter
Isolation mounted to main-frame
Hydraulic service brakes
Inboard, wet disc, self adjusting and self equalizing
Conforms to SAE J1473, ISO3450

Hydrostatic power steering with emergency manual mode
Conforms to SAE J1151, J53
Manual F-N-R control with single lever and neutral safety switch interlock

Oil-to-air cooler
Hydraulic system
Reverser/torque converter
Parking/emergency brakes
Inboard wet V-groove
Independent of service brakes
Conforms to SAE J1473, ISO3450
Synchronized transmission in 3rd and 4th gears

Loader:

Bucket level indicator
Hydraulic self leveling
Less bucket with bucket pins
Loader boom service lock
Return to dig feature
Single lever control with electric clutch cutoff switch

Operator's Station:

Built-in operator's manual storage compartment with manual
Electronic monitor system with audible and visual warning:
Engine coolant temperature
Engine oil pressure
Hydraulic oil filter indicator
Low alternator voltage
Park brake on-off indicator
Torque converter temperature
Foot throttle
Fuel gauge
Hand throttle with fuel economy setting at 2,100 rpm
Horn
Conforms to SAE J994, J1446

Hourmeter
Interior rearview mirror
Conforms to SAE J985
Key start switch with electric fuel shutoff
ROPS/FOPS isolation mounted with steel roof
Conforms to SAE J1040
Left front operator access
Non-suspension vinyl seat w/fore and aft adjustment w/o armrests
Conforms to SAE J899
Slip-resistant steps and ergonomically-located handholds
Conforms to SAE J185
2-in. (51 mm) seat belt
Adjusts independent of seat position
Conforms to SAE J386

Lights:

One rear stop and tail
Two front driving/working and one rear working halogen
35,200 candlepower each
Two rear reflectors
Conforms to SAE J99

Overall Vehicle:

Engine side shields
One-piece unitized construction mainframe
Rear fenders
Reverse warning alarm
Switchable to 97 DBA or 111 DBA

Conforms to SAE J994, J1446
Rigid supported front bumper
Tires:

16.9-24, 8 PR, R4 tubeless rear
81 in. overall width
11L-15, 8 PR, F3 tubeless front
23-gal. (51 L) fuel tank with built-in water strainer and sump with drain
Vandal protection locking with start switch key for:
Engine access doors
Fuel filler access panel
Instrument panel

Electrical:

Blade-type multi-fused circuits
Bypass start safety cover on starter
95 amp alternator
Positive terminal battery covers
Single battery with 160 min. reserve capacity and 625 CCA
12 volt system

Hydraulics:

Circuit relief valve protection
Independent hydraulic reservoir
"O" ring face seal connectors
Pressure and return lines for use with three-point hitch valve
Valve not included
10 micron spin-on hydraulic filter
24 gpm engine-mounted gear pump – open center

OPTIONAL OR SPECIAL EQUIPMENT

Engine:

Electric ether starting aid
Engine coolant heater
1,000 watts

Power Train:

Mechanical-front-wheel drive
Drive shaft guard
Heavy-walled drive shaft
Limited slip differential
Manual on/off control
Sealed axle

Backhoe:

Alternate stabilizer feet
Auxiliary backhoe hydraulics for breaker, compactor
Backhoe bucket coupler for: "C" and "D" series John Deere buckets
Case buckets

Backhoe controls
Case pattern with three-lever foot swing
Ford pattern with four levers
SAE excavator two lever pattern*
Extendable dipperstick
Four-foot extension
Full-width wear strips
Extra function backhoe valve with pedal or lever
Heavy-duty and extra heavy-duty backhoe buckets
Built-in lift loop
Light materials/snow loader buckets*
SAE controlled lowering device*
Stabilizer cylinder guards*

Loader:

Alternate buckets
Long-lip configuration
Multipurpose

Auxiliary loader hydraulics
Bolt-on auxiliary cutting edge
Bolt-on tooth bar for loader buckets

Loader boom service lock*

Operator's Station:

Cab*
Economy seat, vinyl covered, suspension or rigid mounted
Floor mat
Lights:
Front/rear turn signal
Rear brake
Rear halogen work
Special low clearance ROPS
Tachometer/hourmeter
3-in. (76 mm) retractable seat belt
Two additional front lights

Overall Vehicle:

Chrome exhaust extension
Dual batteries – 360 reserve
1250 CCA
Fire extinguisher
Front counterweight
Front fenders*
Front grille guard*
Front grille screen*
Rear wheel spacers for use with chains
Rental decal kit
Rotating beacon*
SMV emblem
Special color paint*
Three-point hitch with single or four-function hydraulics*

Toolbox
*See your John Deere dealer for further information

THE JDAvantEDGE

JDAvantEdge is a wealth of support programs, parts systems, and dealer resources, all designed to give you the edge. This package of special benefits is a major reason why John Deere offers the "best value" for your equipment dollar.

Best parts support - Twelve regional parts depots in North America and others around the world put parts support near your job no matter where in the world it is.

A computerized FLASH™ parts locating system linking these depots to dealerships can find out-of-stock parts in a hurry and get them into your hands fast. Usually within 24 hours.

Best service backup - Dealer service technicians are regularly schooled, at our modern facility in Davenport, Iowa, or by professionals in the field, to diagnose quickly and repair efficiently.

If they're stumped, a phone call to DTAC (Dealer Technical Assistance Center) puts them in touch with a staff of pros at the factory who help them find a solution quickly.

Best dealers - Your John Deere dealer is an important contributor to the JDAvantEdge. He or she is committed to being the best equipment supplier you can work with.

This is a dollars-and-cents commitment in parts inventory, in service facilities, in field-service trucks. It's a sweat-and-blood commitment in dedicated, skilled, and highly trained and motivated personnel in each and every department at the dealership.

But what sets John Deere dealers apart from all the rest is something more, a factor somewhat difficult to measure ... a caring attitude, and a sincere desire to be the best at meeting the needs of each individual customer.

John Deere Finance Plans - Whether you rent, lease, or buy John Deere equipment, your dealer can explain the John Deere options available. One-stop options that let you free up operating capital, keep other lines of credit open. More solid benefits of the JDAvantEdge.

Best protection - In addition to the new equipment warranty that meets or exceeds the competition, SECURE® extended coverage, an optional service product for John Deere equipment, is available for repair coverage after the warranty concludes. Full machine or power train coverage is available for a variety of time periods to meet your needs. Consult your dealer for availability and details.



Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 6,000 feet (1800 m) altitude. Gross power is without cooling fan.

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