

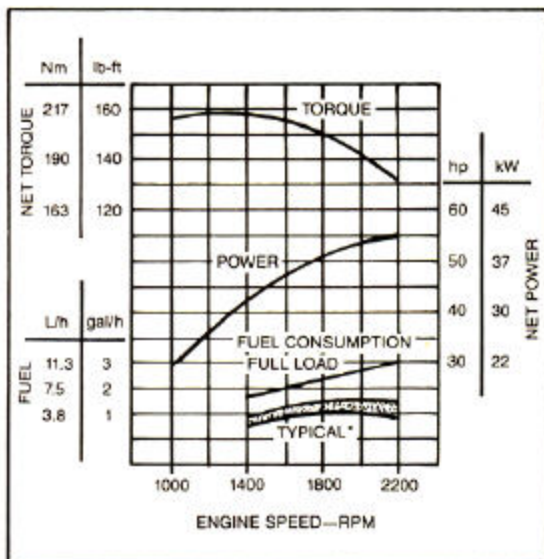


# 210C LANDSCAPE LOADER



Model shown may include options

## ENGINE PERFORMANCE



\*Depending on operating variables

## FEATURES

- 55 SAE net hp (41 kW)
- Unitized frame
- Isolated engine and operator's station
- Walk-in front entry
- Designed-in quietness
- Open-center hydraulic system
- Detachable 3-point hitch
- O-ring face seal hydraulic plumbing
- Self-adjusting hydraulic wet-disk brakes
- Inboard planetary final drives
- Transaxle 1st and 2nd collar shift, 3rd and 4th synchronized
- Full power-shift reverser
- Torque converter
- Single-lever loader control
- Multi-adjustable angled seat
- Hydrostatic power steering
- ROPS/FOPS w/roof and seat belt
- Vandal protection w/built-in locks

## ADD VERSATILITY WITH:

Mechanical front-wheel drive with offset driveshaft for better ground clearance

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## 210C LANDSCAPE LOADER SPECIFICATIONS

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 14.9-24, 6 PR, R4 rear tires, 7.50-16, 10 PR, F3 front tires, 0.88 cu. yd. (0.67 m<sup>3</sup>) loader bucket, full fuel tank, 175-lb. (90 kg) operator and standard equipment.

<b>Rated Power @ 2200 rpm:</b>	<b>SAE</b>	<b>DIN 70 020</b>
Net .....	55 hp (41 kW)	43 kW
Gross .....	58 hp (43 kW)	

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 @ 35 API gravity. No derating is required up to 6000 feet (1800 m) altitude. Gross power is without cooling fan.

### Engine: John Deere 4-239D

Type .....	4-stroke cycle, naturally aspirated diesel
Bore and stroke .....	4.19 x 4.33 in. (106.5 x 110 mm)
No. of cylinders .....	4
Displacement .....	239 cu. in. (3.917 L)
Maximum net torque @ 1200 rpm .....	158 lb-ft (214 Nm) (21.8 kg-m)
Cooling fan .....	Suction
Compression ratio .....	17.8 to 1
Lubrication .....	Pressure system w/full-flow filter and cooler
Main bearings .....	5
Air cleaner .....	Dry
Electrical system .....	12 volt
Alternator .....	51 amps

### Torque Converter:

Single stage, dual phase, overrunning stator, 11-in. (280 mm) diameter, stall torque ratio 2.78:1

### Reverser:

Modulated, full-power shift with multiple wet-disk clutches. Reverser operating lever at left of steering wheel.

### Transmission:

Manual shift with first and second speeds having sliding collar engagement and third and fourth speeds engaged with cone-type synchronizers. Single shift lever, floor mounted.

Travel Speeds:	Gear	Forward		Reverse	
		mph	(km/h)	mph	(km/h)
With standard 14.9-24 rear and 7.50-16 front tires	1	3.3	5.3	3.2	5.2
	2	5.6	9.0	5.5	8.9
	3	12.0	19.3	11.9	19.2
	4	21.9	35.2	21.8	35.1
With MFWD and 16.9-24 (required) rear and 12.00-16.5 front tires	1	5.4	8.7	5.3	8.5
	2	5.7	9.2	5.6	9.0
	3	12.3	19.8	12.2	19.6
	4	22.4	36.1	22.3	35.9

**Final Drives** ..... Planetary, inboard

**Service Brakes:** Hydraulic, applied with separate pedals; hydraulically equalized when both pedals are depressed. Wet disks and facings are fully enclosed and self-adjusting.

**Secondary Brake:** Mechanical "V" groove band located on differential ring gear

### Steering: Hydrostatic power

Steering axle, regular:	
Turning radius (brake applied) .....	9 ft. 4 in. (2.85 m)
Clearance circle (brake applied) .....	27 ft. 4 in. (8.33 m)
Steering wheel turns, left to right .....	2.9
right to left .....	3.9
Axle oscillation stop to stop .....	20 deg.
Mechanical front-wheel drive (engaged):	
Turning radius (brake applied) .....	10 ft. (3.05 m)
Clearance circle (brake applied) .....	29 ft. (8.84 m)
Steering wheel turns, left to right .....	3.3
right to left .....	3.8
Axle oscillation stop to stop .....	20 deg.

### Hydraulic System: Open-center

Pressure, main relief .....	2500 psi (17 238 kPa) (175.8 kg/cm <sup>2</sup> )
Pump .....	Gear type
Flow @ 2200 rpm .....	24 gpm (1.51 L/s)
Filter, return oil ...	10 micron, steel-enclosed replaceable element

Hydraulic Cylinders:	Bore		Stroke		Rod	
	In.	(mm)	In.	(mm)	In.	(mm)
Loader boom (2) .....	2.76	70	30.8	782	1.77	45
Loader bucket (1) .....	2.76	70	28.1	715	2.75	40
Steering (1) regular axle .....	2.0	51	9.5	241	1.0	25
Steering (1) MFWD .....	2.0	51	12.6	320	1.0	25

<b>Tires:</b>	<b>Front</b>	<b>Rear</b>
	7.50-16, 10 PR, F3	16.9-24, 6 PR, R3
	11L-15, 8 PR, I-1A	16.9-24, 8 PR, R4
		14.9-24, 6 PR, R4
MFWD .....	12.00-16.5, 8 PR, R4	17.5L-24, 8 PR, R4

### Wheel Treads:

Front .....	56 in. (1420 mm)
Rear .....	60 in. (1525 mm)
MFWD—Front .....	68 in. (1730 mm)
Rear .....	62 in. (1575 mm)

**Wheelbase** ..... 83 in. (2110 mm)

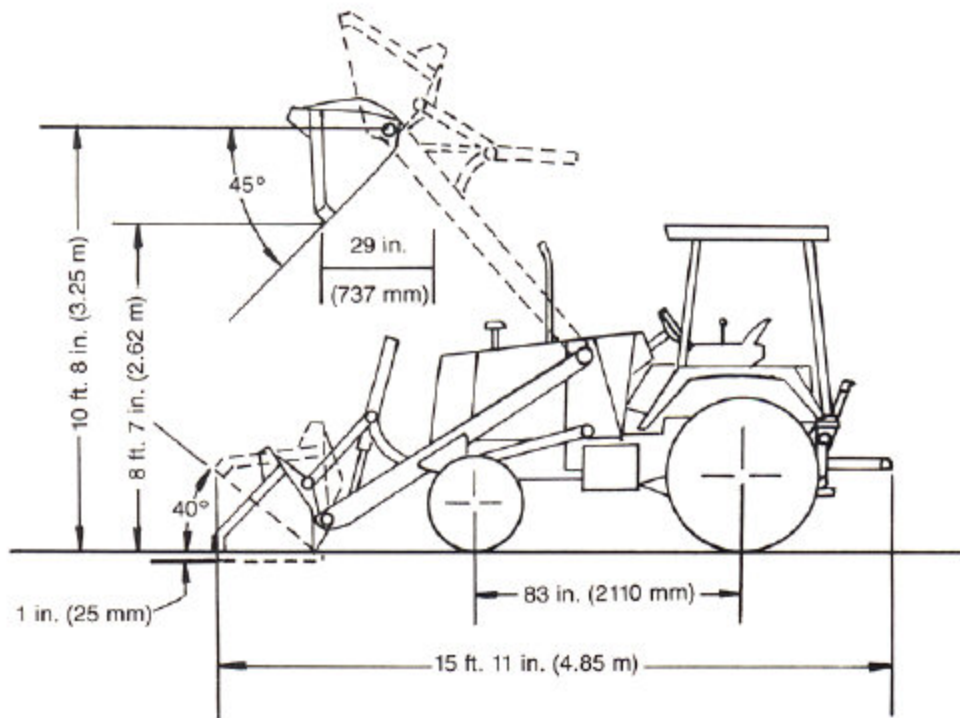
Axle Ratings:	Static Rating	Dynamic Rating	SAE J43
Front .....	36,300 lb. (16 500 kg)	36,300 lb. (16 500 kg)	8700 lb. (4000 kg)
Rear .....	41,100 lb. (18 700 kg)	54,800 lb. (24 900 kg)	11,500 lb. (5300 kg)

### Capacities:

	U.S.	Liters
Fuel tank .....	26 gal.	98
Engine coolant .....	17 qt.	16
Engine oil including filter .....	9 qt.	8.5
Torque converter and reverser system .....	8 qt.	7

### Additional Standard Equipment:

- Air cleaner restriction indicator
  - Air cleaner, dry type w/safety element and precleaner
  - Alternator, 51-amp w/transistorized voltage regulator
  - Antifreeze to -34° F (-37° C)
  - Battery, 110-minute reserve capacity
  - Differential lock
  - Electric fuel shutoff
  - Emergency/parking brake
  - Engine sideshields
  - Foot and hand throttles
  - Fuel tank sump w/easy access drain
  - Hourmeter
  - Hydraulic self-leveling loader
  - Hydrostatic power steering
  - Key start switch
  - Lights:
    - Halogen driving lights
    - Taillight
  - Loader bucket level indicator
  - Monitor for:
    - Alternator
    - Engine coolant temperature
    - Engine oil pressure
    - Hydraulic filter
    - Parking brake
    - Torque converter temperature
  - Muffler, above hood w/vertical exhaust and deflector
  - Multiple fuse protected electrical system—12 volt
  - Oil-to-air cooler for hydraulic system
  - Oil-to-air-cooler for reverser/torque converter system
  - Rear fenders
  - Rear reflectors
  - ROPS w/roof and seat belt
  - Seat, angled, vinyl
  - Steps and handholds
  - Torque converter
  - Vandal protection w/built-in locks
- SAE Operating Weight w/3-Point Hitch and w/o counterweight** ..... 8200 lb. (3720 kg)



**Operating Information:**

Operator control .....	Single lever
Rollback at ground level .....	40 degrees
Breakout force .....	6800 lb. (30.1 kN) (3085 kg)
Digging depth below ground, bucket level .....	1 in. (25 mm)
Lifting capacity, full height .....	4700 lb. (2140 kg)
Height to bucket hinge pin, max. ....	10 ft. 8 in. (3.25 m)
Height to top of canopy .....	8 ft. 5.5 in. (2.58 m)
Height to top of muffler .....	8 ft. 3 in. (2.51 m)
Dump clearance, bucket @ 45 degrees ..	8 ft. 7 in. (2.62 m)
Overall length w/3-point hitch .....	15 ft. 11 in. (4.85 m)
Ground clearance, min. ....	12 in. (305 mm)
Bucket dump angle, max. ....	45 degrees
Raising time to full height .....	4.8 sec.
Bucket dump time .....	1.1 sec.
Bucket lowering time (power down) .....	2.8 sec.

**Optional or Special Equipment:**

- Automatic return-to-dig
- Backhoe attachment
- Backup alarm
- Engine coolant heater
- Fire extinguisher
- Front counterweight
- Heavy-duty batteries
- Instrument panel vandal cover
- Mechanical front-wheel drive
- Rear wheel spacers for tire chain clearance
- Rotating beacon light
- Seat, vinyl covered, suspension or rigid mounted, low or high back
- Special low-clearance ROPS
- Tachometer/hourmeter
- Three-point hitch
- SMV emblem
- 3-in. (76 mm) belt
- Toolbox

**Additional Available Equipment:\***

- Auxiliary bolt-on cutting edge for loader buckets
- Auxiliary hydraulic valves and circuit for loader and backhoe
- Bolt-on teeth for loader bucket
- Front windshield and door kit
- Grille guard
- Loader bucket chain hooks, outer
- Light materials/snow loader buckets
- Multipurpose loader buckets

\*See your John Deere dealer for further information