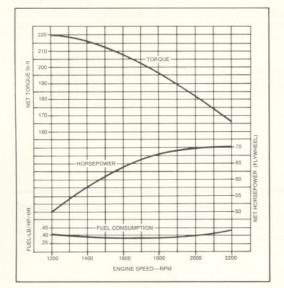


# **JD440-C GRAPPLE SKIDDER**



## **ENGINE PERFORMANCE**



# FEATURES

- 70 SAE net hp (71.0 PS)
- Articulated frame power steering
- Oscillating front axle
- 6-speed Syncro-Range transmission
- Front-axle differential lock
- Wet-disk power brakes
- 360-degree rotation of grapple
- 17,600 lb. (7983 kg) maximum lifting capacity
- 6 ft. 3 in. (1.91 m) grapple opening

### JD440-C GRAPPLE SKIDDER SPECIFICATIONS

(Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with ICED and SAE Standards. Except where otherwise noted, these specifications are based on a unit equipped with Syncro-Range transmission, 18.4-26, 10-ply logging tires and standard equipment.)

Power (@ 2200 engine rpm):	SAE	
Gross		
Net	70 hp (52.2 kW)	71.0 PS

Net engine flywheel power is for an engine equipped with fan, air cleaner, water pump, lubricating oil pump, fuel pump, alternator and muffler. The gross engine power is without fan. Flywheel power ratings are under SAE standard conditions of 500-ft. altitude and 85° F. temperature, and DIN 70 020 conditions (non-corrected). No derating is required up to 10,000 feet (3000 m) altitude. \*In the international system of units (SI) power is expressed in kilowatts (kW).

#### Engine: John Deere 4-cylinder-diesel, 4-stroke cycle

Bore and stroke	
Compression ratio	10 1
Maximum torque @ 1200 rpm 220 lb-ft (298	
(30.4)	(g-m)
NACC or AMA (U.S. Tax) norsepower	28
LubricationPressure system w/full-flow	
Cooling Pressurized w/thermostat and fixed by	
FanBl	
Air cleaner w/restriction indicator	
Electrical system	nator

Batteries (2) ..... Reserve capacity: 410 minutes

#### Differentials:

Front ......Full differential w/hydraulic lock Rear ......Solid axle w/no differential action

#### Transmission: Syncro-Range

Constant mesh with 6 speeds forward, 3 reverse. Three forward speed ranges with synchronized shifting between low and high within each range. Incorporates a brake lock for service brakes. Clutch is 11 in. (280 mm), dry, feramic-faced, footpedal-operated.

# Travel Speeds (2200 engine rpm, no tire slip):

Forward: 2 mph (3.2 km/h) to 15 mph (24.1 km/h) Reverse: 2 mph (3.2 km/h) to 10 mph (16.1 km/h)

#### Brakes:

Hydraulic power actuated, wet-disk service brakes on output shaft. Hand-operated mechanical brake for parking.

#### **Drive Axles:**

Four-wheel drive with inboard planetary gears on all axles. Front axle oscillates 15 degrees above and below horizontal. 18 in. (457 mm) total travel at tire center line.

#### **Power Steering:**

Articulated frame hydraulically actuated by dual cylinders. 

#### Hydraulic System:

tration. Oil to air cooler.

Hydraulic Cylinders:	Bore	Stroke
Lift (2)		
Grapple (1)	. 5.25 in. (133 mm)	17 in. (432 mm)
Cylinder rods Ground, he	eat-treated, chrome-	plated, polished
Lift cylinder rods		-in. (51 mm) dia.
Grapple cylinder rod		in. (57 mm) dia.

#### Tires:

18.4-26, 10-ply-rating, logging, LS2 16.9-30, 10-ply-rating, logging, LS2

Capacities:	U.S.	Liters
Fuel tank	42 gal.	159.0
Cooling system	8 gal.	30.3
Engine lubrication, including filter	15 qt.	14.2
Transmission case (includes hydraulic system)	8 gal.	30.3
Front differential		17.0
Rear differential		17.0
Winch	2.5 gal.	9.5

#### Additional Standard Equipment:

Flanged axles Muffler Fuel gauge Oil pressure gauge Alternator charge	Ether starting aid Engine side shields Deluxe seat w/suspension Roll-over protective structure (ROPS) w/canopy, seat belt,
warning light Water temperature gauge Lights John Deere winch Front axle differential lock Electric hourmeter Key switch w/push-button	brush screens, & limb risers Transistorized voltage regulator Vandal protection Altitude compensator
safety start Cigaret lighter Horn Fire extinguishers (2) Foot throttle	

#### Winch:

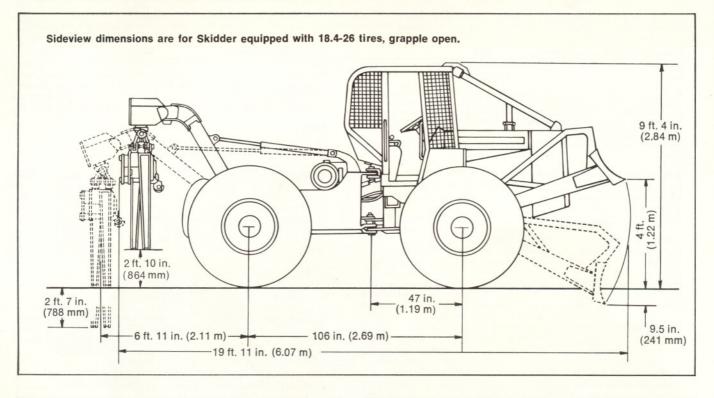
Hand throttle Front blade

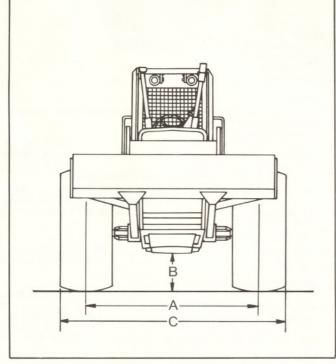
Live mechanical drive; hydraulically actuated clutch and brake. Single-lever control

#### **Special Equipment:**

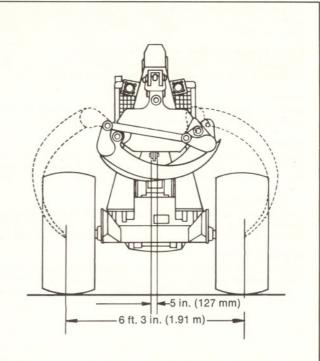
Wheel weights Steering accumulator Engine coolant heater Cab with heater and noise treatment Windshield with wiper 3 in. (76 mm) seat belt Log arch with adjustable rollers

# JD440-C GRAPPLE SKIDDER DIMENSIONS





TIRE SIZE	A WHEEL TREAD	B GROUND CLEARANCE	C OVERALL WIDTH
16.9-30	74 in.	1 ft. 7 in.	7 ft. 7 in.
	(1.88 m)	(483 mm)	(2.31 m)
18.4-26	74 in.	1 ft. 6 in.	7 ft. 8.4 in.
	(1.88 m)	(457 mm)	(2.35 m)



18