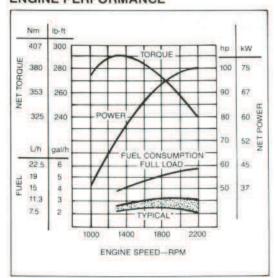


# 540D SKIDDER



## **ENGINE PERFORMANCE**



\*Depending on operating variables

### **FEATURES**

100 SAE net hp (75 kW) John Deere turbocharged diesel engine

Articulated-frame steering

Automotive-type, position-responsive steering

Oscillating front axle

Power Shift transmission

Differential lock on both axles

Wet-disk power service brakes never need adjusting

Wet-disk parking brake

Hydraulically actuated winch

Arch with adjustable roller

Extended log bumper

### ADD VERSATILITY WITH:

Stacking blade

Cab

Cold weather starting kit

Lights

#### 540D SKIDDER 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 18.4-26, 10 PR tires, full fuel tank, 175-lb. (80 kg) operator and standard equipment.

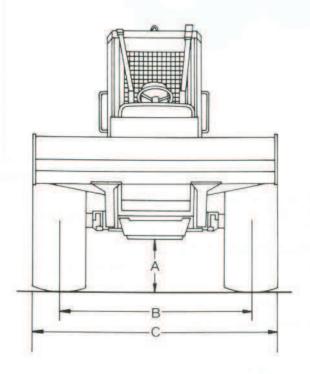
Rated Power @ 2200 rpm: Net	SAE	DIN 70 020 75 kW	Blade: Hydraulic control Width
Gross	105 hp (78 kW)	W.11451.W	Max. lift above ground level 4 ft. 2 in. (1.27 m)
Net engine power is with standard equipalternator, and cooling fan, at standard con No.2-D fuel @ 35 API gravity. No derating	ment including air cleaner	DIN 70 020, using	Max. drop below ground level       .13 in. (330 mm)         Height (ends)       .1 ft. 9 in. (533 mm)         Height (center)       .2 ft. 3 in. (686 mm)
Gross power is without cooling fan.			Cable Arch:
Engine: John Deere 4-276T	t state and turbon	harand diasal	Horizontal roller
Type 4-stroke cycle, turbocharged diesel Bore and stroke 4.19 x 5.00 in. (106.5 x 127 mm)			Vertical rollers (through-hardened steel) 4.5 in. (114 mm) dia. Working height settings (top of horizontal roller to ground):
No of cylinders	State of the second state	4	Lower 5 ft. 10 in. (1.78 m)
Displacement Maximum net torque @ 1300 rp	m 290 lb-ft (393 l	I. In. (4.524 L) Nm) (40 kg-m)	Upper
Cooling fan		Blower	Winch:
Compression ratio	Pressure system w	//full-flow filter	Live mechanical drive; hydraulically actuated clutch and brakes,
Electrical eyetem	12-volt w/42 a	amp alternator	single lever control. Winch capacities*
Battery	Reserve capacity	: 180 minutes	1/2-in. (12.7 mm) cable 223 ft. (68 m) 5/a-in. (15.8 mm) cable 146 ft. (45 m)
Differentials:	Transcription of the second se		3/4-in. (19.1 mm) cable
Front and rear	. Full differentials w/	hydraulic lock	*Calculated—no allowance made for loose or uneven spooling.
Engine Clutch Disconnect:	rate Oracle along t	0 in /205 mm)	Linepull**;
Hand-operated, spring-loaded, d	ry disk. Single plate, 1	2 in. (305 mm).	Bare drum
Transmission:	ar - y dyste priese day		**Based on winch clutch capacity and .75 in. (19 mm) cable.
Power Shift with planetary gea clutches and brakes; provides to	rs, hydraulically actu 8 speeds forward—4	reverse. Con-	
trolled by single lever on conso		VALUE OF STREET	Line speed (2200 rpm) and .75 in. (19 mm) cable: Bare drum
Travel Speeds (2200 engine rp	m. no tire slip):		Full drum
CONTRACTOR PRODUCTION OF THE LABOUR THE	mph	km/h	Additional Standard Equipment:
Forward	2 1-5 8	.4 2.6-28.0 3 3.4-9.3	S3 Series axles
neverse		0.4.0.0	Air cleaner w/restriction indicator and unloading valve Alternator warning light
Drive Axles: Four-wheel drive with inboard	nlanetary gears on a	Il axles Front	Bottom guards
axle oscillates 15 degrees above	e and below horizonta	al. Travel at tire	Canopy w/ROPS, brush screens and limb risers Cushion seat w/suspension, position adjustment and seat belts
center line 20 in. (508 mm).			Engine oil pressure warning light
Steering: Power			Engine sideshields Exhaust w/rain deflector
Articulated frame hydraulically	actuated by two doub	le-acting cylin-	Extended log bumper
ders with cushioned stops. Stee			Gauges: Electric hourmeter
Outside clearance circle w/o bl	ade 34 ft.	4 in. (10.46 m)	Engine coolant temperature
Outside clearance circle w/blad	ie	0 III. (10.07 III)	Fuel Transmission oil temperature
Brakes: Service	a newer actuated p	adal controlled	Foot throttle
wet disk brakes located in axle	La San Maria de la Carta de la		Heavy-duty starter Hinge locking bar, two position
Parking, winching and emerger	ncv stop	Hand-operated	Horn
mechanical wet-disk brake loc and rear axles. Hydraulic relea		Diaking none	Key switch w/pushbutton safety start Log arch w/2-position roller
	271		Muffler
Hydraulic System: Closed center, constant press	ure. Variable-displa	cement pump	Parking brake w/warning light and buzzer Solid-state voltage regulator
driven from crankshaft	25 apm (1.58	3 L/s), 2000 psi	Transmission oil pressure warning light
(13 790 kPa) (140.6 kg/cm²) @ 2 Oil-to-air cooler.	2200 engine rpm. Ful	il-flow filtration.	Winch
	Rod Dia. Bore	Stroke	SAE Operating Weight w/Blade
Blade lift cylinders (2)	1.50 in. 3.50 in	. 14.25 in.	SAE Operating Weight w/o Blade 14,970 lb. (6790 kg
Steering cylinders (2)	38.1 mm) (89 mm		Optional or Special Equipment:
(	44.5 mm) (70 mm	i) (365 mm)	Cab (ROPS) w/noise treatment and wiper Cab heater
Cylinder rods are ground, heat-	treated, chrome-plate	d and polished.	Canopy (ROPS) w/screened door, right window, windshield and wiper
Tires:			Cold weather starting package
18.4-26, 10 PR, steel-ply, LS2 18.4-34, 10 PR, steel-ply, LS2			Engine coolant heater (field only) Emergency steering system (field only)
23.1-26, 10 PR, steel-ply, LS2			Fire extinguisher
28L-26, 10 PR, steel-ply, LS2 28L-26, 10 PR, steel-ply, LS3			Hand throttle (field only) Lights (field only)
67 x 34.00-26, 10 PR, steel-ply	tubeless, DT		Stacking blade
Capacities:		I.S. Liters	3-in. (76 mm) seat belt Vandal protection (field only)
Fuel tank	41	gal. 155.2 gal. 29.2	Windshield washer
Cooling system	Iter	qt. 14.2	Winch warm-up circuit (field only)
Transmission and hydraulic sy	stem 9 c	gal. 34.1	
Front differential	4.5	gal. 17	
Hear differential			

Sideview dimensions are for skidder equipped with 18.4-26 tires and adjustable arch.

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-106 in. (2.69 m) -

-18 ft. 8 in. (5.69 m)



TIRE	GROUND CLEARANCE	B WHEEL TREAD	C OVERALL WIDTH
18.4-26	1 ft. 6.5 in.	76 in.	7 ft. 11 in.
	(470 mm)	(1.93 m)	(2.41 m)
18.4-34	1 ft. 10 in.	76.6 in.	7 ft. 11 in.
	(559 mm)	(1.95 m)	(2.41 m)
23.1-26	1 ft. 9 in.	82.1 in.	8 ft. 10 in.
	(533 mm)	(2.09 m)	(2.69 m)
28L-26	1 ft. 9.5 in.	85.4 in.	9 ft. 6 in.
	(546 mm)	(2.17 m)	(2.90 m)
67 x 34.00-36	1 ft. 10.5 in.	85.5 in.	9 ft. 11 in.
	(571 mm)	(2.17 m)	(3.02 m)

80 in. (2.03 m)

