

300D ARTICULATED TRUCK

Specs

MANUFACTURER	John Deere
MODEL	300D ARTICULATED TRUCK
DATE OF SPECIFICATION	Dec-06
ENGINE	
Manufacturer/Model	John Deere / 6090
Net Horsepower @ Rated rpm	285 (213) @ 2200
# Cylinders and Displacement cu in. (L)	6 - 549 (9.0)
Maximum Torque lb-ft	810 (1098) @ 1400
Calculated % Torque Rise	16.0%
TRANSMISSION	
Manufacturer / Model	ZF / 6HP 592C
Type	Automatic
Number of Gears Forward and Reverse	6 / 1
Max. Speed mph (km/h)	31 (49.9)
TRANSFER BOX	
Mounting	Not published
Ranges	1
Inter Axle Lock Longitudinal	Lockable torque proportioning
AXLES	
Type	Outboard Planetary
Axle Diff. Lock Transverse	Limited slip std
BRAKES	
Service Brakes type	Dry disc
Exhaust Brake Retarder	None
Retarder Other type	Transmission
Parking Brake type	Disc; spring apply/air release
SUSPENSION	
Type	Leading arm
Suspension	Nitrogen-oil
Type	Pivot beams
Suspension	Rubber & pivot beams
LOAD BODY	
Construction	Rib reinforced
Body Tipping Angle degrees	70°
Body Tipping Time to Raise/Lower seconds	11.9 / 6
Tip Cylinders type	Single stage
Power Down	Yes
STEERING & ARTICULATION	
Articulation Angle degrees	45°
Steering Turns Lock-Lock	4.1
Secondary Steering type	Ground driven
DIMENSIONS	
Overall Length ft in. (mm)	31' 5" (9580)
Overall Tire Width ft in. (mm)	9' 8" (2950)
Overall Height ft in. (mm)	11' 5" (3480)

Loadover Height ft in. (mm)	9' 0" (2740)
Approach Angle degrees	30°
Outside turning radius ft in. (mm)	26' 2" (7980)
Inside turning radius ft in. (mm)	13' 6" (4110)

CAB

Location	Central
Steering Wheel adjustment description	Tilt & telescoping
Air Conditioner	Std

TIRES

Size Standard	23.5R25
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PAYLOAD

Payload lbs (kg)	60,190 (27 302)
Capacity- Struck cu yd (cu m)	16.5 (12.6)
Capacity- Heaped SAE 2:1 cu yd (cu m)	21.7 (16.6)

CAPACITIES

Fuel Tank gal (L)	90 (341)
Hydraulic Reservoir gal (L)	21 (79)

SAE OPERATING WEIGHT lb (kg)

Net Weight lbs (kg)	42,990 (19500)
Gross Weight lbs (kg)	103,180 (46802)
Front lbs (kg)	30,980 (14053)
Middle lbs (kg)	36,270 (16452)
Rear lbs (kg)	35,930 (16298)

PERFORMANCE RATIOS, LOADED TRUCK

Gross hp per ton of loaded machine weigh	5.58
Net hp per ton of loaded machine weight	5.52
Lbs loaded machine weight per Gross hp	358
Lbs loaded machine weight per Net hp	362

Specifications are based on published information at the time of publication. Specifications are subject to change without notice.

05/01/2008