

400D ARTICULATED TRUCK

Specs

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|--|--------------------------------|
| MANUFACTURER | John Deere |
| MODEL | 400D ARTICULATED TRUCK |
| DATE OF SPECIFICATION | Dec-06 |
| ENGINE | |
| Manufacturer/Model | Mercedes / OM501LA |
| Net Horsepower @ Rated rpm | 413 (308) @ 1800 |
| # Cylinders and Displacement cu in. (L) | 6 - 729 (12.0) |
| Maximum Torque lb-ft | Not published |
| Calculated % Torque Rise | 21% |
| TRANSMISSION | |
| Manufacturer / Model | Allison / 4500R ORS |
| Type | Automatic |
| Number of Gears Forward and Reverse | 6 / 1 |
| Max. Speed mph (km/h) | 32 (51.5) |
| TRANSFER BOX | |
| Mounting | Not published |
| Ranges | 1 |
| Inter Axle Lock Longitudinal | Lockable torque proportioning |
| AXLES | |
| Type | Outboard Planetary |
| Axle Diff. Lock Transverse | Controlled traction |
| BRAKES | |
| Service Brakes type | Oil multiple disc |
| Exhaust Brake Retarder | Compression & exhaust |
| Retarder Other type | Transmission |
| Parking Brake type | Disc; spring apply/air release |
| SUSPENSION | |
| Type | Leading A-frame |
| Suspension | Nitrogen-oil |
| Type | Pivot beams & 3 links |
| Suspension | Rubber & pivot beams |
| LOAD BODY | |
| Construction | Rib reinforced |
| Body Tipping Angle degrees | 70° |
| Body Tipping Time to Raise/Lower seconds | 13 / 7.6 |
| Tip Cylinders type | Single stage |
| Power Down | Yes |
| STEERING & ARTICULATION | |
| Articulation Angle degrees | 42° |
| Steering Turns Lock-Lock | 4.7 |
| Secondary Steering type | Ground driven |
| DIMENSIONS | |
| Overall Length ft in. (mm) | 34' 6" (10520) |
| Overall Tire Width ft in. (mm) | 11' 1" (3380) |
| Overall Height ft in. (mm) | 12' 9" (3890) |

| | |
|------------------------------------|---------------|
| Loadover Height ft in. (mm) | 10' 6" (3200) |
| Approach Angle degrees | 31° |
| Outside turning radius ft in. (mm) | 30' 2" (9190) |
| Inside turning radius ft in. (mm) | 16' 0" (4880) |

CAB

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

TIRES

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|---------------|---------|
| Size Standard | 29.5R25 |
|---------------|---------|

PAYLOAD

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|---------------------------------------|-----------------|
| Payload lbs (kg) | 81,570 (37 000) |
| Capacity- Struck cu yd (cu m) | 22.1 (16.9) |
| Capacity- Heaped SAE 2:1 cu yd (cu m) | 29.4 (22.5) |

CAPACITIES

| | |
|-----------------------------|-----------|
| Fuel Tank gal (L) | 128 (484) |
| Hydraulic Reservoir gal (L) | 47 (178) |

SAE OPERATING WEIGHT lb (kg)

| | |
|-----------------------|-----------------|
| Net Weight lbs (kg) | 65,960 (29919) |
| Gross Weight lbs (kg) | 147,530 (66920) |
| Front lbs (kg) | 43,340 (19659) |
| Middle lbs (kg) | 53,270 (24163) |
| Rear lbs (kg) | 50,920 (23097) |

PERFORMANCE RATIOS, LOADED TRUCK

| | |
|--|------|
| Gross hp per ton of loaded machine weigh | 5.72 |
| Net hp per ton of loaded machine weight | 5.60 |
| Lbs loaded machine weight per Gross hp | 350 |
| Lbs loaded machine weight per Net hp | 357 |

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

05/01/2008