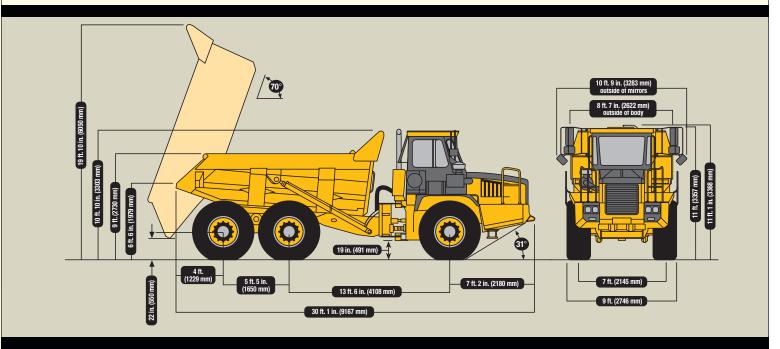
250C



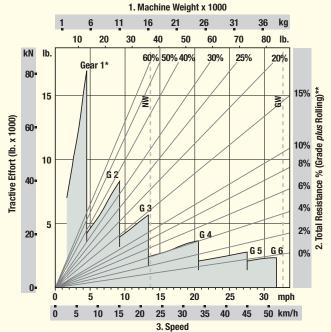
Engine	250 C		
Type			
Configuration			
Aspiration			
Cooling eyetam	liquid cooled, with a crankshaft-driven viscous fan and air-to-air aftercooler		
Rated nower (conforms to SAF 113/10)			
Maximum net torque			
Displacement			
•			
Transmission	Allieur MOGCCOD automobile planeters, budendieulle achtered profiliele dies alutabes, alestrosis anatoral landred propili		
Configuration			
Stall torque ratio			
Vehicle speeds (full load, 2% rolling resistance)	Forward Reverse		
Gear 1			
Gear 2			
Gear 3			
Gear 4			
Gear 5			
Gear 6			
Transfer Box			
Output differential	remote single-speed, helical geared with lockable torque-proportioning interaxle differential		
Output torque split	55 ITONI / 6/ Fear		
Axles			
Differential type	spiral bevel gear with limited slip		
Final drive type			
Braking System			
	dual-circuit, fully hydraulic-applied dry-disc brakes on all six wheels		
Park and secondary	spring-applied, air-released, automatic slack-adjusting mechanical caliper, driveline-mounted, dry disc		
Auxiliary brake	automatic exhaust brake actuation, supplemented with foot-operated hydraulic valve retarder		
Maximum retardation	237 hp (177 kW)		
Pneumatic System			
Type	air drier with heater and integral unloader valve, servicing the park brake and auxiliary functions		
System pressure			
Electrical System			
Voltage	24 volt		
Battery type			
Battery capacity			
Alternator rating			
0.			
	hydromechanically articulated with two double-acting hydraulic cylinders		
Angle			
Lock-to-lock turns	4 3		
Hydraulic System			
Type			
Main pump	axial piston, variable displacement		
Application	steering, body-tipping, and hydraulic brake charging		
	39.6 gpm (150 liters/min.) @ governed engine speed		
Pressure			
	axial piston, variable displacement, ground driven		
Application			
Flow	22.0 gpm (85 liters/min.) @ full ground speed		
Tires/Wheels			
Туре			
Size			
Maximum ground pressure (loaded)			
Body			
Capacity	15 ou vid (11.2 m ³)		
Struck	18 ou vd. (13.0 m3) @ 2 to 1 SAE ratio		
Пеарец			
Rated payload			
Power-down time			
Raise time			
Tipping angle			

Service Capacities	250C		
Fuel tank	57 gal. (215 liters)	Hydraulic reservoir	21 gal. (80 liters)
Engine oil	5.3 gal. (20 liters)	Axle oil (front)	10.5 gal. (40 liters)
Engine coolant			10.5 gal. (40 liters)
Transmission fluid (refill)	4.75 gal. (18 liters)	Axle oil (rear)	10.5 gal. (40 liters)
Transfer case oil	1.2 gal. (4.5 liters)	Final drive oil	
Operating Weights			
Empty		Loaded	
Front	18,232 lb. (8270 kg)	Front	28,462 lb. (12 910 kg)
Middle	9,224 lb. (4184 kg)	Middle	29,463 lb. (13 364 kg)
Rear	8,893 lb. (4034 kg)		29,132 lb. (13 214 kg)
Total	36,350 lb. (16 488 kg)	Total	87,056 lb. (39 488 kg)
SAE Turning Radius Dimensio	ns		
Inside turning circle radius	13 ft. 5 in. (4092 mm)	Outside turning circle radius	25 ft. 9 in. (7858 mm)



Retardation

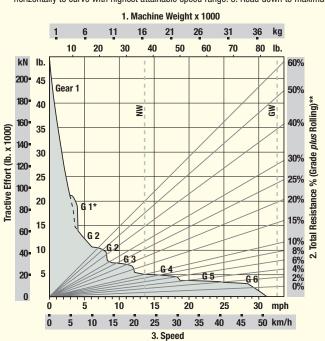
1. Read from total weight down to % total resistance (diagonal line). 2. From that point, read horizontally to curve with highest attainable speed range. 3. Read down to maximum descent speed.



*Gear 1 lock-up not engaged automatically, engages only when Gear 1 selected manually.
**2% rolling resistance assumed in chart.

Gradeability

1. Read from total weight down to % total resistance (diagonal line). 2. From that point, read horizontally to curve with highest attainable speed range. 3. Read down to maximum speed.



*Gear 1 lock-up not engaged automatically, engages only when Gear 1 selected manually.
**2% rolling resistance assumed in chart.

Additional Equipment

Key: ● Standard equipment ▲ Optional or special equipment

See your John Deere dealer for further information.

Engine

- DaimlerChrysler OM366LA 6.0 liters, 237 SAE net hp
- Turbocharged and aftercooled
- Air-to-air aftercooler
- Crankshaft-driven fan
- Electric start aid

Power Train

- Automatic planetary transmission hydrodynamic torque converter with
- Computer-controlled transmission for adaptive shifts
- Automatically activated limited-slip differential
- Automatic exhaust brake
- Dual-circuit, fully hydraulic dry-disc brakes on all six wheels
- Interaxle differential splits torque 33% to front, 67% to rear
- Lockable proportional differential in transfer box
- Push-button drive neutral/reverse
- Gear-hold switch to prevent gear hunting

Tipping Body

- 70-deg. tip angle
- Body ducted for heating
- Single-stage cylinders
- ▲ Mechanical/automatic tailgate
- ▲ Hydraulic/automatic tailgate
- ▲ Body heater exhaust connection kit
- ▲ Steel body liners (3/8 in. [10 mm])

Hydraulic System

- Closed-center, load-sensing system -39.6 gpm (150 liters/min.)
- Hydraulic retarder

Electrical System

- 24-volt system
- 55-amp alternator
- Maintenance-free battery

Operator Station

- ROPS cab conforms to SAE J1040/ ISO 3471/1
- FOPS cab conforms to SAE J231/ ISO 3449
- Air conditioner
- Air-suspension seat
- Compact sloped hood
- Full rearview mirror package
- Hydromechanically articulated steering with two double-acting hydraulic cvlinders
- Left cab door
- Machine systems condition master display unit:
 - Engine coolant temperature
 - Engine oil pressure with audible warning
 - Percent of fuel in tank with audible low-fuel warning
 - System air pressure with audible warning
 - System voltage
 - Transmission oil temperature
 - Trip odometer

- Monitor system with audible and visual warnings:
 - Battery charge indicator
 - Body-raised indicator
 - Brake system low-pressure indicator
 - Cold-start indicator
 - Do Not Shift indicator
 - Engine over-speed indicator with audible alarm
 - Exhaust brake/retarder indicator
 - High-beam indicator
 - High hydraulic oil temperature indicator with audible alarm
 - Interaxle lock indicator
 - Low engine coolant level indicator with audible alarm
 - Low pneumatic pressure indicator
 - Park brake indicator
 - Secondary steering indicator with audible alarm
 - Turn signals
- Seat belt with retractors
- Tilt and height-adjustable steering
- Trainer's seat
- Windshield washer and wiper

Overall Vehicle

- 23.5R25 radial, earthmover tires
- Center-mounted cab
- Front suspension: two self-leveling air bags
- High-density polyethylene bearing in oscillation joint
- Independent front and rear chassis
- Mud covers (brake calipers)
- Power equally distributed to all three axles
- Tri-link rear suspension with 18 degrees of travel
- ▲ 6,000-gal. water wagon
- Extended chassis



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 at 35 API gravity. Gross power is without cooling fan.

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 ROPS cab: 23.5R25, radial earthmover tires; full fuel tank: 175-lb. (79 kg) operator; and standard equipment. Capacity and loaded weights are based on 2,800-lb./cu. yd. (1660 kg/m³) material.

