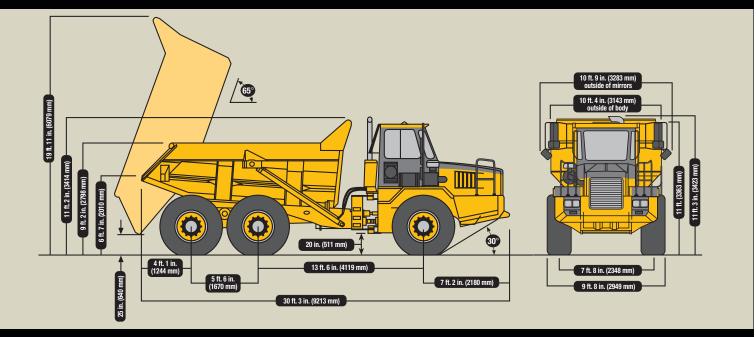
SPECIFICATIONS

3000



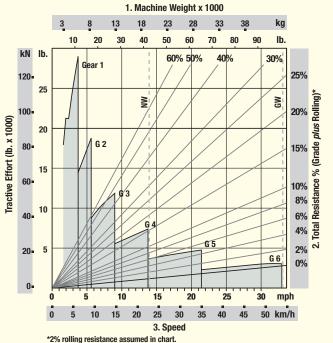
Engine	300C		
Type	DaimlerChrysler 0M442		
Configuration			
Aspiration			
	liquid cooled, with a crankshaft-driven viscous fan		
	251 SAE net hp (187 kW) / 261 SAE gross hp (195 kW) @ 2,100 rpm		
Displacement	723 lbft. (980 Nm) @ 1,300 rpm		
Transmission			
Configuration	ZF 6WG 210 countershaft design with integral drop box, constantly meshing gears, hydraulically actuated multiple		
0.1.11	disc clutch, electronic control, hydrodynamic torque converter with lock-up, built-in PTO drive		
Output torque split			
Stall torque ratio			
Vehicle speeds (full load, 2% rolling resistance)	Forward Reverse		
Gear 1			
Gear 2	5 mph (8 km/h) 5 mph (8 km/h)		
Gear 3			
Gear 4	12 mph (20 km/h)		
Gear 5	19 mph (31 km/h)		
Gear 6			
Axles			
	anizal haval gazy with limited alia		
Differential type			
	outboard heavy-duty planetary reduction hub		
Braking System			
	dual-circuit, fully hydraulic-applied dry-disc brakes on all six wheels		
	spring-applied, air-released, automatic slack-adjusting mechanical caliper, driveline-mounted, dry disc		
	automatic exhaust brake actuation, supplemented with foot-operated hydraulic valve retarder		
Maximum retardation			
D			
Pneumatic System			
	air drier with heater and integral unloader valve, servicing the park brake and auxiliary functions		
System pressure	117 psi (810 kPa)		
Electrical System			
Voltage	24 volt		
Battery type	maintenance free		
Battery capacity			
Alternator rating			
· ·			
Steering System	hydromechanically articulated with two double-acting hydraulic cylinders		
Angle			
Lock-to-lock turns	4		
Hydraulic System			
Type	closed-center, load-sensing system		
Main pump	axial piston, variable displacement		
Application	steering, body-tipping, and hydraulic brake charging		
Flow	41 gpm (156 L/min.) @ governed engine speed		
Pressure			
Secondary pump	axial piston, variable displacement, ground driven		
	secondary steering, assist main steering		
	22.0 gpm (85 L/min.) @ full ground speed		
Tires/Wheels			
Type	radial parthmouer		
Size			
Maximum ground pressure (loaded)	25 psi (137 kra) illiuule		
Body			
Capacity			
Struck			
Heaped	ZZ CU. YU. (16.2 III°) @ Z IU I SAE IZIIO		
HeapedRated payload			
Rated payload	59,524 lb. (27 000 kg)		
	59,524 lb. (27 000 kg) 7 sec.		

Service Capacities	300C		
Fuel tank	71 gal. (269 L)	Axle oil (front)	10.5 gal. (40 L)
Engine oil	8 gal. (30 L)	Axle oil (middle)	10.5 gal. (40 L)
Engine coolant	10 gal. (38 L)	Axle oil (rear)	10.5 gal. (40 L)
Transmission fluid (refill)	4.2 gal. (16 L)	Final drive oil	0.5 gal. (2 L)
Hydraulic reservoir	21 gal. (80 L)		
Operating Weights			
Empty		Loaded	
Front	20,150 lb. (9140 kg)	Front	32,165 lb. (14 590 kg)
Middle	11,442 lb. (5190 kg)	Middle	35,197 lb. (15 965 kg)
Rear	11,001 lb. (4990 kg)	Rear	34,756 lb. (15 765 kg)
Total	42,593 lb. (19 320 kg)	Total	102,118 lb. (46 320 kg)
SAE Turning Radius Dimensi	o n s		
Inside turning circle radius	17 ft. 5 in. (5313 mm)	Outside turning circle radius	29 ft. 10 in. (9092 mm)



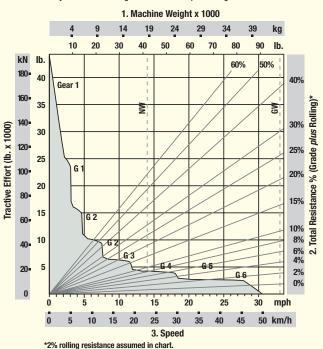
Retardation

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.



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.



Additional Equipment

Key: ● Standard equipment ▲ Optional or special equipment

See your John Deere dealer for further information.

Engine

- DaimlerChrysler 0M442 V8, 251 SAE net hp (187 kW)
- Crankshaft-driven fan
- Electric start aid
- Naturally aspirated

Power Train

- Automatic countershaft transmission with integral drop box, hydrodynamic torque converter with lock-up
- Automatic exhaust brake
- Automatically activated limited-slip differentials
- Dual-circuit, fully hydraulic-applied dry-disc brakes on all six wheels
- Electronically controlled
- Interaxle differential splits torque -33% to front, 67% to rear
- Lever-activated drive-neutral-reverse
- Lockable torque-proportioning interaxle differential

Tipping Body

- 65-degree tip angle
- Body ducted for heating
- ▲ Mechanical/automatic tailgate
- Hydraulic/automatic tailgate
- Single-stage cylinders
- ▲ Body heater exhaust connection kit
- \triangle Body liners ($\frac{3}{8}$ in. [10 mm])

Hydraulic System

- Closed-center, load-sensing system
- Hydraulic retarder

Electrical System

- 24-volt system
- 55-amp alternator
- Twin maintenance-free batteries

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 cylinders
- Left cab door
- Machine systems master display unit:
 - Engine coolant temperature with audible alarm
 - 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 with audible alarm
 - Trip odometer
- Monitor system with visual and/or audible warnings:
 - Battery charge indicator
 - Body-raised indicator
 - Brake system low-pressure indicator with audible alarm
 - Cold-start indicator
 - Do Not Shift indicator

Operator Station (continued)

- 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% 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.

