**Engine**
- Type: DaimlerChrysler OM366LA
- Configuration: 6 cylinder, in-line, exhaust brake
- Aspiration: turbocharged and air-cooled
- Stall torque ratio: 2.44 to 1
- Lock-to-lock turns: 4.3
- Angle: 43 degrees side to side
- Auxiliary brake: automatic exhaust brake actuation, supplemented with foot-operated hydraulic valve retarder
- Final drive type: outboard heavy-duty planetary reduction hub
- Output torque split: 33 front / 67 rear
- Capacity
  - Maximum ground pressure (loaded): 19.6 psi (135 kPa) middle
  - Size: 23.5R25
- Type: radial earthmover

**Transmission**
- Configuration: Allison MD3560P automatic planetary, hydraulically actuated multiple-disc clutches, electronic control, hydrodynamic torque converter with lock-up, built-in PTO drive
- Stall speeds (full load, 2% rolling resistance):
  - Forward: 4 mph (7 km/h)
  - Reverse: 4 mph (7 km/h)
- Vehicle speeds (full load, 2% rolling resistance):
  - Gear 1: 4 mph (7 km/h)
  - Gear 2: 9 mph (15 km/h)
  - Gear 3: 13 mph (21 km/h)
  - Gear 4: 20 mph (32 km/h)
  - Gear 5: 26 mph (42 km/h)
  - Gear 6: 30 mph (48 km/h)

**Transfer Box**
- Output differential: remote single-speed, helical geared with lockable torque-proportioning interaxle differential
- Output torque split: 33 front / 67 rear

**Axles**
- Differential type: spiral bevel gear with limited slip
- Final drive type: outboard heavy-duty planetary reduction hub

**Braking System**
- Service brake: dual-circuit, fully hydraulic-applied dry-disc brakes on all six wheels
- Park and secondary: spring-applied, air-released, automatic slack-adjusting mechanical caliper, drive-line-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: 117 psi (810 kPa)

**Electrical System**
- Voltage: 24 volt
- Battery type: maintenance free
- Battery capacity: 2 x 100 A.h.
- Alternator rating: 28 volt, 55 amp

**Steering System**
- Type: hydromechanically articulated with two double-acting hydraulic cylinders
- Angle: 43 degrees side to side
- Lock-to-lock turns: 4.3

**Hydraulic System**
- Type: closed-center, load-sensing system
- Main pump: axial piston, variable displacement
- Application: steering, body-tipping, and hydraulic brake charging
- Flow: 39.6 gpm (150 liters/min.) @ governed engine speed
- Pressure: 3625 ps (25,000 kPa)
- Secondary pump: axial piston, variable displacement, ground driven
- Application: secondary steering, assist main steering
- Flow: 22.0 gpm (85 liters/min.) @ full ground speed

**Tires/Wheels**
- Type: radial earthmover
- Size: 23.5R25
- Maximum ground pressure (loaded): 19.6 psi (135 kPa) middle

**Body**
- Capacity
  - Struck: 15 cu. yd. (11.2 m³)
  - Heaped: 18 cu. yd. (13.9 m³) @ 2 to 1 SAE ratio
- Rated payload: 50,706 lb. (23,000 kg)
- Power-down time: 7 sec.
- Raise time: 14 sec.
- Tipping angle: 70 degrees
Service Capacities 250C
- Fuel tank: 57 gal. (215 liters)
- Engine oil: 5.3 gal. (20 liters)
- Engine coolant: 12.4 gal. (47 liters)
- Transmission fluid (refill): 4.75 gal. (18 liters)
- Transfer case oil: 1.2 gal. (4.5 liters)
- Hydraulic reservoir: 21 gal. (80 liters)
- Axle oil (front): 10.5 gal. (40 liters)
- Axle oil (middle): 10.5 gal. (40 liters)
- Axle oil (rear): 10.5 gal. (40 liters)
- Final drive oil: 0.5 gal. (2 liters)

Operating Weights
- Empty:
  - Front: 18,232 lb. (8270 kg)
  - Middle: 9,224 lb. (4184 kg)
  - Rear: 8,893 lb. (4034 kg)
- Loaded:
  - Front: 28,462 lb. (12910 kg)
  - Middle: 29,463 lb. (13364 kg)
  - Rear: 29,132 lb. (13214 kg)
- Total:
  - Empty: 36,350 lb. (16488 kg)
  - Loaded: 87,056 lb. (39488 kg)

SAE Turning Radius Dimensions
- 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.

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.
Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70020, 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.