 LT-270
Load Haul Dump

**Capacities**
- Tramming capacity: 2,722 kg (5,988 lbs)
- Hydraulic breakout force lift: 6,043 kg (13,295 lbs)
- Hydraulic breakout force tilt: 5,372 kg (11,818 lbs)
- SAE breakout force: 4,735 kg (10,417 lbs)
- SAE static tipping load: 9,662 kg (21,256 lbs)
- Bucket: 1.2 m³ (1.6 yd³)

**Weights**
- Operating weight: 9,570 kg (21,054 lbs)
- Total loaded weight: 12,290 kg (27,038 lbs)
- Front axle: 3,983 kg (8,763 lbs)
- Rear axle: 5,587 kg (12,291 lbs)
- Front axle: 8,171 kg (17,976 lbs)
- Rear axle: 4,119 kg (9,062 lbs)

**Driving speeds F and R (0% grade) loaded**
- 1st gear: 3.5 km/h (2.2 mph)
- 2nd gear: 6.9 km/h (4.3 mph)
- 3rd gear: 18.0 km/h (11.2 mph)

**Bucket motion times (+/- 1 s)**
- Dump time: 5.0 s
- Raising time: 3.0 s
- Lowering time: 2.0 s

**Articulation motion times (+/- 1 s)**
- Turning time: right: 2.5 s
- Turning time: left: 3.0 s

**Structural**
- Front and rear frames: Welded steel box construction
- Material: ASTM A572 GR50 (CSA G40.21-50W)
- Bucket: Joy EZ-fill cast cutting edge

**Powertrain**
- **Engine**: Cummins QSB 3.3
  - Output: 74 kW (99 hp) @2200 rpm
- **General**
  - Air filtration: Donaldson (dry type)
  - Exhaust system: Doc with Silencer Standard / DPF optional
  - Fuel tank capacity: 140 litres (37 USG)
- **Converter**: Dana C2000 series
- **Transmission**: Dana T20000 powershift with modulation
  - Electric
  - Shifts: 3 forward / 3 reverse
- **Axles**
  - Front and rear: Dana182
  - Differential: No-spin
  - Brakes: SAHR Brakes
  - Oscillation angle: +/- 7 deg
- **Tires**
  - Size: Bias L5S 9.50 x 20
- **Bucket/boom control**
  - Single 2 axis proportional pilot hydraulic joystick
- **Steering Control**
  - Single 1 axis proportional pilot hydraulic joystick
- **Bucket dump cylinder**
  - One (1), double acting, single stage
- **Boom hoist cylinder**
  - Two (2), double acting, single stage
- **Steer cylinder**
  - One (1), double acting, single stage
- **Brake system**
  - Service brakes are enclosed spring-applied, hydraulically released, liquid cooled multi-disk on all four wheel ends. The service brakes also functions as emergency and park brakes. Brakes will apply upon loss of hydraulic pressure or electrical power.
- **Hydraulic tank volumes**
  - 120 litres (31.7 USG)
- **Electrical equipment**
  - Alternator: 24VDC/75A Delco Remy
  - Batteries: 2 x 12V
  - Starter: Electric
  - Driving and working lights: 2 front / 2 rear
Options

- Ejector bucket
- Quick detach system
- Fire suppression system - Manual and Automatic
- Radio remote control

Engine options

<table>
<thead>
<tr>
<th>Engine</th>
<th>Certification</th>
<th>Displacement</th>
<th>Output</th>
<th>Maximum torque</th>
<th>No. of cylinders</th>
<th>Cooling type</th>
<th>Induction type</th>
<th>Governor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cummins QSB3.3</td>
<td>MSHA, U.S. EPA Tier 3, EU Stage IIIA</td>
<td>3.3 L</td>
<td>74 kW (99 hp) @ 2200 rpm</td>
<td>415 Nm (306 ft-lb) @ 1600 RPM</td>
<td>4</td>
<td>Liquid cooled, after cooled</td>
<td>Turbocharged</td>
<td>Electronic</td>
</tr>
<tr>
<td>Deutz BF4M2012C</td>
<td>EPA Tier 2 MSHA</td>
<td>4.04 L</td>
<td>56 kW (75 hp) @ 2300 rpm</td>
<td>274 Nm (202 ft-lbs) @ 1500 rpm</td>
<td>4</td>
<td>Liquid cooled, after cooled</td>
<td>Turbocharged</td>
<td>Electronic</td>
</tr>
</tbody>
</table>

Overall dimensions

- **A** Height to top of canopy: 1935 mm (76 in)
- **B** Tramming length: 6441 mm (254 in)
- **C** Length - rear axle to bumper: 2288 mm (90 in)
- **D** Centre hinge to rear axle: 1041 mm (41 in)
- **E** Centre hinge to front axle: 1045 mm (41 in)
- **F** Reach: 1239 mm (49 ft)
- **G** Height to top of hood: 1516 mm (60 in)
- **H** Height - ground clearance: 204 mm (8 in)
- **J** Height - dump clearance: 1036 mm (41 in)
- **K** Height - bucket pin: 2014 mm (79 in)
- **L** Height - bucket raised: 3334 mm (131 in)
- **M** Width overall: 1524 mm (60 in)
- **N** Max width RF: 1486 mm (59 in)
- **P** Outside radius: 4374 mm (172 in)
- **R** Inside radius: 2315 mm (91 in)
- **S** Turn angle: 37 deg
- **T** Dump angle: 38 deg
- **U** Roll back angle: 47 deg

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