**Operating capacities, weight & dimensions**

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket capacity</td>
<td>1.9 m³</td>
</tr>
<tr>
<td>Static tipping load</td>
<td>14,667 kg</td>
</tr>
<tr>
<td>Breakout force hydraulic</td>
<td>10,261 kg</td>
</tr>
<tr>
<td>Operating weight</td>
<td>15,150 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Payload</td>
<td>4,000 kg</td>
</tr>
</tbody>
</table>

**Working ranges**

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine rated power (standard)</td>
<td>97 kW</td>
</tr>
<tr>
<td>Engine rated power (optional)</td>
<td>110 kW</td>
</tr>
<tr>
<td>Payload</td>
<td>4,000 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breakout force hydraulic</td>
<td>22,574 lbs</td>
</tr>
<tr>
<td>Operating weight</td>
<td>33,400 lbs</td>
</tr>
<tr>
<td>Static tipping load</td>
<td>32,267 lbs</td>
</tr>
<tr>
<td>Payload</td>
<td>9,800 lbs</td>
</tr>
</tbody>
</table>
Capacities
- Tramming capacity: 4,000 kg / 8,800 lb
- Breakout force hydraulic: 11,361 kg / 25,046 lb
- Breakout force mechanical: 9,189 kg / 20,258 lb
- Bucket (standard): 1.9 m³ / 2.5 yd³

Weights
- Operating weight: 15,150 kg / 33,400 lb
- Total loaded weight: 19,150 kg / 42,218 lb
- Axle weight without load:
  - Front axle: 6,674 kg / 14,714 lb
  - Rear axle: 8,476 kg / 18,686 lb
- Axle weight with load:
  - Front axle: 12,981 kg / 28,618 lb
  - Rear axle: 6,169 kg / 13,600 lb

Driving speeds F and R - empty
- Grade 0 5 10 12 15 20 25
  - 1st gear: 5.3 5.1 4.9 4.8 4.7 4.4 4.4
  - 2nd gear: 10.7 10.2 9.1 7.8 6.6 5.2
  - 3rd gear: 17.5 15.2 11.2 10.2 7.6 4.2
  - 4th gear: 30 17.2 7.2 2.9

Driving speeds F and R - loaded
- Grade 0 5 10 12 15 20 25
  - 1st gear: 5.2 5.0 4.8 4.7 4.4 4.3
  - 2nd gear: 10.5 9.8 8.2 7.8 6.7 5.0 3.6
  - 3rd gear: 17.5 13.5 8.5 6.7 4.2
  - 4th gear: 28.8 14.0

Bucket motion times (+/-1 s)
- Dump time: 2.5 s
- Raising time: 4.6 s
- Lowering time: 3.4 s

Articulation motion times (+/-1 s)
- Turning time: right: 1.5 s
- Turning time: left: 1.8 s

Structural
- Front and rear frames: Welded steel box construction
- Material: ASTM A572 GR50/CSA G40.21-50W

Powertrain
- Engine - standard: Cummins QSB 4.5T
- Output:
  - EPA Tier 3, MSHA, CANMET: 97 kW (130 hp) @2500 rpm

General
- Air filtration: Donaldson (dry type)
- Exhaust system: DOC
- Fuel tank capacity: 129 litres / 34 USG
- Transmission: Dana 3200 series
- Shifting: Powershift/c/w modulation
- Speeds: 4 forward / 4 reverse

Axles
- Front and rear: Dana 1402/149
- Differential, front: Limited slip
- Differential, rear: No-slip
- Brakes:
  - Spring applied, hydraulic release
  - Oscillation angle: +/- 5 deg
- Tires: Bias L55 (smooth)
- Size: 12.00 x 24

Hydraulics
- System design:
  - Variable displacement piston pump with load sensing open center circuit design for optimal efficiency. Proportional hydraulic valve with closed centre spool with priority steering, shock valves and load sense relief valves.

Bucket/boom control
- Single 2 axis proportional electric joystick

Steering control
- Single 1 axis proportional electric joystick with gear selector

Brake system
- Service brakes are enclosed spring applied, hydraulically released, liquid cooled multi-disk on all four wheel ends. The service brakes also function as emergency and park brakes. Brakes will apply upon loss of hydraulic pressure or electrical power.
- Bucket dump cylinder: One (1), double acting, single stage, Z-link
- Boom hoist cylinder: Two (2), double acting, single stage
- Steer cylinder: One (1), double acting, single stage
- Hydraulic tank volumes: 117 litres / 31.0 US Gal

Electrical equipment
- Alternator: 24V/70A
- Batteries: 2 x 24VHD
- Starter: 24V

Driving and working lights:
- 2 front / 2 rear (LED)

Overall dimensions
- A: Height to top of canopy: 2093 mm / 82.0 in
- B: Trimming length: 7649 mm / 301.1 in
- C: Length - rear axle to bumper: 2413 mm / 95.0 in
- D: Centre hinge to rear axle: 1323 mm / 52.1 in
- E: Centre hinge to front axle: 1410 mm / 55.5 in
- F: Reach: 1413 mm / 55.6 in
- G: Height to top of hood: 1561 mm / 61.5 in
- H: Height - ground clearance: 260 mm / 10.2 in
- J: Height - dump clearance: 1340 mm / 52.8 in

- K: Height - bucket pin: 2506 mm / 98.7 in
- L: Height - bucket raised: 3016 mm / 118.6 in
- M: Width overall: 1778 mm / 70 in
- N: Max width RF: 5123 mm / 202.5 in
- R: Inside radius: 2537 mm / 99.8 in
- S: Turn angle: 40 deg
- T: Dump angle: 41 deg
- U: Roll back angle: 45 deg
Standard features
• Battery disconnect switch
• Lift arm and articulation locks
• Door interlock on operators compartment
• Electric horn
• Joystick hoist and bucket control
• Jump start
• Certified ROPS/FOPS open cabin
• Central manual lubrication
• Emergency stops (3)
• Steel plate lip bucket

Optional features
• Strobe light kit
• FOPS, ROPS certified enclosed cabin
  - Air conditioning and heat
• Fire suppression system - manual and automatic
• Fire extinguisher
• Automatic lubrication system
• Diesel particulate filter
• Radio remote control system
• Transmission gear lock-out
• Recovery hook with brake release
• Exhaust blanket
• Arctic package (-40C)

Buckets
• 2.2 m³ (2.9 yd³) optional
• Ejector bucket 1.4 m³ (1.8 yd³)
• For actual bucket and GET configuration, consult your local representative

Engine option

<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>MTU MBE 904</td>
<td>EPA Tier 3</td>
<td>4.25 litres</td>
<td>110 kW (148 hp) @2200 rpm</td>
<td>580 Nm (428 ft-lbs) @1200-1600 rpm</td>
<td>4</td>
<td>Liquid</td>
<td>Turbo, charge air</td>
<td>Electronic</td>
</tr>
</tbody>
</table>

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