Summary of features

- 62 flywheel horsepower (46 kW) Cat diesel engine.
- Planetary-type power shift transmission provides on-the-go shifting ... three speeds forward, one reverse.
- Pedal steering frees operator's hands for transmission and dozer controls.
- Sealed track extends pin and bushing life. Track rollers, carrier rollers and idlers are Lifetime-Lubricated.
- Power angling and tilt dozer provides versatility needed in utility work.

Caterpillar engine

Flywheel horsepower @ 2400 RPM......................62
Kilowatts..............................................46
(Kilowatts is the International System of Units equivalent of horsepower.)

The net power at the flywheel of the vehicle engine operating under SAE standard ambient temperature and barometric conditions, 65° F. (29° C) and 29.98" (955 mbar) Hg., using 35 API gravity fuel oil at 60° F. (15.6° C). Vehicle engine equipment includes fan, air cleaner, water pump, lubricating oil pump, fuel pump and alternator. Engine will maintain specified flywheel power up to 7,500 ft. (2300 m) altitude.

Cat 4-stroke-cycle diesel Model 3204 with four cylinders, 4.5" (114 mm) bore, 5" (127 mm) stroke and 318 cu. in. (5.2 litres) displacement.

Precombustion chamber fuel system with individual adjustment-free injection pumps and valves.

Cam-ground and tapered aluminum alloy pistons with 2-ring design. Steel-backed aluminum bearings. Heat-treated crankshaft journals. Pressure lubrication with full-flow filtered and cooled oil. Dry-type air cleaner with primary and safety elements.

Uses economical No. 2 fuel oil (ASTM Specification D396), often called No. 2 furnace or burner oil, with a minimum cetane rating of 35. Premium quality diesel fuel can be used but is not required.

12-volt direct electric starting system with glow plugs for preheating precombustion chambers. One Cat 12-volt, 172-amp-hour battery. Optional low temperature electric starting system available.
D3
Track-type Tractor

transmission
Planetary-type power shift ... three speeds forward, one reverse ... with high-torque capacity oil clutches. Permits speed and direction changes under full load. Single-stage torque converter integral with power shift transmission.

<table>
<thead>
<tr>
<th>Speeds:</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forward, MPH:</td>
<td>1.9</td>
<td>3.5</td>
<td>7.0</td>
</tr>
<tr>
<td>(km/h):</td>
<td>(3.0)</td>
<td>(5.6)</td>
<td>(11.3)</td>
</tr>
<tr>
<td>Reverse, MPH:</td>
<td>3.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(km/h):</td>
<td>(5.1)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

track roller frame
Box-section construction. Lifetime-Lubricated rollers and idlers.
Number of rollers (each side) ........................................... 5

track
Sealed track extends pin and bushing life. Hydraulic track adjusters standard.
Number of shoes (each side) ............................................... 36
Width of standard shoe ...................................................... 12" (305 mm)
Length of track on ground ................................................. 72.4" (1840 mm)
Ground contact area with 12" (305 mm) shoes .................................. 1,740 sq. in. (11.2 m²)
Gauge ................................................................. 55" (1400 mm)

hydraulic systems
Complete system consists of pump, tank, filter, valves, lines and linkage. The four optional hydraulic systems include:
Two valve .................................................. Mechanical angle and power tilt bulldozer
Three valve ................................................. Power angle and power tilt bulldozer
Three valve .................................................. Mechanical angle and power tilt bulldozer and ripper
Four valve .................................................. Power angle and power tilt bulldozer and ripper

Pump:
Output @ 1000 psi (69 bar) .... 14.5 gpm (55 litres/min)
RPM @ rated engine speed ........................................ 2840
Relief valve setting .......... 2500 psi (172 bar)
Drive (constant power) ........ Geared from auxiliary engine timing gear train

Control valve (spool-type) positions:
Lift cylinders ....................... Raise, lower, hold, float
Tilt cylinder ....................... Left, right, hold
Angle cylinders ..................... Left, right, hold
Ripper cylinder ..................... Raise, lower
Filter ......................................................... Full flow

steering and braking
Steering and braking controlled by a foot pedal for each track. Third pedal brakes both tracks, locks down for parking. Clutches are spring-actuated, hydraulically released, multiple discs.

final drives
Single-reduction final drive gears.

service refill capacities

<table>
<thead>
<tr>
<th></th>
<th>U.S. Gallons</th>
<th>Litres</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>30</td>
<td>(114)</td>
</tr>
<tr>
<td>Cooling system</td>
<td>6.5</td>
<td>(24.6)</td>
</tr>
<tr>
<td>Crankcase</td>
<td>3</td>
<td>(11.4)</td>
</tr>
<tr>
<td>Transmission</td>
<td>4.5</td>
<td>(17)</td>
</tr>
<tr>
<td>Final drives, each</td>
<td>2.5</td>
<td>(9.5)</td>
</tr>
<tr>
<td>Hydraulic system (total)</td>
<td>15</td>
<td>(57)</td>
</tr>
<tr>
<td>Hydraulic tank</td>
<td>8</td>
<td>(30.3)</td>
</tr>
</tbody>
</table>

weight (approximate)
Shipping weight with 5% fuel in tank, dozer and hydraulics ................ 12,700 lb. (5800 kg)
Optional power angling and tilt dozer makes it easy to
grade, backfill ditches, landscape or spread fill. You can
angle it 25° left or right. Tilt it 8½°. All with two simple
controls.

Dimensions

Ground clearance .......... 13.6" (345 mm)
For shipping dimensions, add 2" (51 mm) to vertical
dimensions to allow for grouser height.
standard equipment

- 12-volt direct electric starting. Alternator, 40 amp.
- Planetary power shift transmission. Retrieval hitch. 5-roller track frame. 12" (305 mm) single grouser tracks (36-section).

optional equipment

(with approximate installed weights)

- Accelerator/decelerator ........................................... 10 lb. (5 kg)
- Back up alarm .......................................................... 20 lb. (9 kg)
- Bulldozers:
  - Power angle and tilt ........................................... 2,350 lb. (1,070 kg)
  - Mechanical angle and power tilt ............................... 2,250 lb. (1,020 kg)
  - Cab, ROPS (includes seat belt and windshield wiper and washer) ........................................... 1,280 lb. (580 kg)
- Canopy, ROPS (includes ROPS mounting and seat belt) ....... 770 lb. (349 kg)
- Defroster, windshield .............................................. 3 lb. (1 kg)
- Drawbar, swinging .................................................... 125 lb. (57 kg)
- Engine enclosures .................................................... 65 lb. (16 kg)
- Fan, suction .................................................................. 205 lb. (93 kg)

Guards:
- Brush (for use with ROPS canopy):
  - Rear ........................................................................ 40 lb. (18 kg)
  - Side .......................................................................... 185 lb. (84 kg)
- Crankcase .................................................................... 145 lb. (66 kg)
- Radiator, hinged, heavy duty ........................................ 50 lb. (23 kg)
- Normal service ............................................................ 10 lb. (5 kg)
- Track guiding, ends only ............................................. 45 lb. (20 kg)
- Track roller, full length ................................................ 205 lb. (93 kg)

Heater ................................................................. 20 lb. (9 kg)
Horn ........................................................................ 5 lb. (2 kg)
Hydraulic arrangements: 2 valves ................................. 120 lb. (54 kg)
3 valves ..................................................................... 185 lb. (84 kg)
4 valves ..................................................................... 300 lb. (136 kg)

Lighting systems:
- 3 lights – 2 front, 1 rear .......................................... 25 lb. (11 kg)
- 6 lights – 2 front, 2 rear, 2 cab ................................. 40 lb. (18 kg)
- Logging sweep ............................................................. 15 lb. (7 kg)
- Precleaner with prescreener ...................................... 3 lb. (1 kg)
- Pull hook (requires crankcase guard) .......................... 30 lb. (14 kg)
- Rear power take-off .................................................... 35 lb. (16 kg)
- Ripper (includes 3 teeth and hydraulic cylinder) ............ 710 lb. (322 kg)
- Ripper teeth, additional, each ...................................... 27 lb. (12 kg)
- Seat belt ...................................................................... 6 lb. (3 kg)
- Starting system, low temperature ............................... 35 lb. (16 kg)
- Suspension seat ......................................................... 5 lb. (2 kg)
- Tracks, pair, 36-section:
  - 14" (356 mm) single grouser .................................. 180 lb. (82 kg)
  - 14" (356 mm) triple grouser .................................. 290 lb. (131 kg)
  - 16" (406 mm) single grouser .................................. 260 lb. (118 kg)
- Tool kit ....................................................................... 11 lb. (5 kg)
- Vandalism protection group ........................................ 10 lb. (5 kg)

D3 Ripper

Ripper breaks up rocky material, frozen ground and compacted haul roads for easier dozing. Use up to five shanks.

Overall machine length, tip of blade to beam raised ........................ 11' 8" (3560 mm)
Beam lowered ................................................................ 11' 1" (3380 mm)
Maximum penetration ..................................................... 10" (254 mm)

Shipping weight – ripper with 3 teeth and hydraulic cylinder .......... 710 lb. (322 kg)

Materials and specifications are subject to change without notice.