C-SERIES
Puts other dozers to shame.

Instead of a limited gear selection, the 950C provides an infinitely variable range from 0 to 6.8 mph, giving an operator the freedom to choose the right ground speed for the job.

Power management system takes both the guess and work out of efficient operation. Just set the maximum desired ground speed and the dozer does the rest. As loads change, the drivetrain responds, automatically powering up or down to maintain peak engine rpm and efficiency.

The 26-ton, 230-horsepower 950C will make a significant addition to your equipment fleet. With full-featured hydrostatic drivetrain, this nimble dozer delivers power turns, infinite speed control, counterrotation, and numerous other production-boosting advantages you don't get with other crawlers in its class. Conventional torque converter transmissions and clutch/brake or differential steering systems simply can't match the 950C’s combination of operating ease and flexibility.
Infinitely variable track control lets you speed-up or slow power to each track – for smooth, full-power turns that don’t tear-up soft terrain like clutch/brake systems.

Unlike dozers with differential steering, the highly maneuverable 950C makes tight turns at any travel speed.

Exclusive Auto-Trac system automatically keeps the 950C tracking straight in forward or reverse. So your operators concentrate less on making steering corrections. And more on doing their best blade work.

The 950C steers the same and maintains its preset speed whether it’s on level ground or a 2-to-1 slope. And since it won’t free-wheel like a torque converter machine, there’s no need to cross-clutch or ride a brake.
It’s all about looking forward.

Automatic park brake, slip-resistant floormat, and convenient grab bars help keep your operator out of harm’s way.

Decelerator lets you further fine-tune ground speed. Depressing it slows travel while maintaining engine rpm, allowing the 950C to literally crawl with no loss in hydraulic power. Fully engaging the pedal applies the brakes.

Spacious and quiet walk-through air-conditioned cab is standard. With plenty of tinted glass, all-around visibility is virtually unobstructed.
Pilot-operated single lever give intuitive, low-effort control of steering, forward/reverse travel, and ground speed. The farther you push it ahead or pull it back, the faster you go in that direction.

Sun in your eyes? Use the roll shade to block it out or to help keep the cab cooler. Wide rear-view mirror is also standard.

Load-sensing hydraulic system delivers precise, low-effort metering to the single lever pilot-operated control. Second lever operates the ripper.

Ground speeds are infinitely variable from 0 to 6.8 mph. A switch on the handle enables an operator to select a specific speed range from a choice of three. 100 percent of available power is always applied regardless of the selected range.

Electronic monitor in the right-side console keeps a vigilant watch on machine functions, with warnings you can see and hear. Includes illuminated gauges for engine coolant temperature, engine oil pressure, fuel, and hourmeter.

Deluxe suspension armchair seat fully adjusts for daylong support and comfort. Air suspension power-adjustable seat also available.
This undercarriage even helps keep profits on track.

Whether it’s the standard track, long track, or LGP, we have the right undercarriage to suit your job. Expect solid stability on slopes, ground-gripping traction, and balanced bladework.

No track whipping or chain bunching with the 950C. Plus, its oval design has only one wear-causing forward-travel flex point. Compared to the three flex points found on elevated sprocket undercarriage, which do you think will last longer?
Hydrostatic drive isn’t the only thing that differentiates the 950C Dozer from others in its class. Its DuraTrax® oval undercarriage design also incorporates numerous advances that help it deliver long life and a smooth ride. Here’s why it’s the best on any dozer in its class.

**UNDERCARRIAGE**

Cast steel-alloy segmented sprockets have deep-hardened wear surfaces. Unique tooth profile also helps extend sprocket and bushing life.

Deep-hardened, lifetime-lubricated, cast-steel carrier rollers deliver durable, maintenance-free operation.

Track links and bottom rollers are deep heat-treated through the wear limit for long-term durability. Sealed chain keeps lubricant between pins and bushings in, abrasives out.

Oscillating track frames utilize a unique cushioned pivot shaft that absorbs shock loads for enhanced gradeability and comfort. Heavy-duty pinned crossbar provides ample track oscillation.
Serious tools for strenuous tasks

Parallelogram ripper’s variable pitch shank can be angled on-the-go for optimum power efficiency.

The 950C was designed with attachments in mind. Rear implement mounting points are built into its mainframe, not bolted-on. Rear counterweight and heavy-duty drawbar are also available.
Whether you’re stripping overburden, spreading hauled material, or muscling through whatever, the 950C is up to the task. This dozer can be armed with a semiU, straight blade, or angle-dozer, and features hydraulic tilt and power pitch adjustment. The 950C also accommodates numerous heavy-duty cutting edges, side cutters, push plates, blade liners, and end bits.

Regardless of which blade you choose, the 950C’s dedicated 77 gpm variable displacement piston pump with load-sensing proportional flow delivers precise metering to the low-effort pilot-operated single lever control.

Rear attachments include single and multi-shank parallelogram rippers with hydraulic pitch adjustment.

- **L-shape push beams** ensure maximum strength and rigid durability.
- **Blade pitch** is fully adjustable and easily adaptable for top performance in a wide variety of applications and materials.
- **Heavy-duty sidecutters**, steep cutting edge angle, and moldboard curvature get materials rolling to help build and carry big loads. Hardened cutting edges in a variety of thicknesses are available.
Your oilers and service technicians won't have to crawl all over this crawler to maintain it. Like all Deere dozers, daily and periodic service points are conveniently grouped, with many protected behind hinged sideshields that open wide, simplifying fluid and filter checks, additions, and changes.

**Big dozer, minimal maintenance**

Lockable service doors provide wide-open access to dipsticks, sight gauges, fill tubes, and filters. Daily drivetrain service can be accomplished on the right side.
Master electrical disconnect switch, batteries, and periodic maintenance chart are conveniently located behind the right-side panel.

Hydraulically driven cooling fan reduces the load on drive belts for long life.

Sight gauges allow a quick visual check of hydraulic/transmission and final drive fluid levels.

Five fin-per-inch radiator core provides efficient cooling, resists plugging, and cleans easily.

Bolt-on rod guides are easy to remove, should cylinder repair ever become necessary.

Turbocharged I-6 diesel delivers 230 hp at a slow 1,800 rpm for enhanced longevity and optimum fuel economy. Wet-type cylinder liners dissipate heat for reduced ring wear and oil breakdown.

Hydrostatic drive motors are mounted externally where they’re well-protected, yet readily accessible if servicing is necessary. Heavy-duty final drives are integrated into the track roller frames with the hydraulic drive motors.

Remote diagnostic ports allow quick checks of transmission system and charge pressures for easier troubleshooting.

Cab can be tilted in minutes for easier access to the hydrostatic pumps and the engine.

Easily replaced half-shell bearings within the dozer push beams help avoid more costly repairs.
**950C**

### Capacities (U.S.)
- **Fuel tank with lockable cap (12-hr. typical usage)**: 119 gal. (450 L)
- **Cooling system with recovery tank**: 17.6 gal. (64.4 L)
- **Engine oil with spin-on filter**: 6.7 gal. (25.5 L)
- **Splitter drive**: 3.2 qt. (3 L)
- All power train and hydraulic systems allow for up to 45-degree maximum operation.

### Transmission
- **Type**: Dual-path, electronic-controlled, closed-loop hydrostatic drive; load-sensing feature automatically adjusts speed and power to match changing load conditions; each individual track is powered by a variable displacement pump and motor combination; single lever controls speed and direction; ground speed (forward and reverse) infinite to 6.8 mph (11 km/h); decelerator pedal permits speed reduction from 6.8 mph (11 km/h) to holding; three working ranges; maximum speed-range control switch located in single-lever handle; maximum speed in range is selected by F-N-R lever position.
- **Travel speeds (infinitely variable)**
  - **Speed ranges**
    - **1st speed range**: 0 to 2.5 mph (0 to 4.0 km/h)
    - **2nd speed range**: 0 to 4.0 mph (0 to 6.5 km/h)
    - **3rd speed range**: 0 to 6.8 mph (0 to 11.0 km/h)

### Final Drives
- **Type**: Heavy-duty double-reduction planetary final drives protected and integrated into the track roller frame with the hydraulic drive motor; final drives are double sealed with electronic seal-integrity indicator.

### Steering
- **Fully modulated, infinitely variable, single-lever steering allows for full power turns and counterrotation; infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic steering eliminates steering clutches and brakes.**

### Brakes
- Hydrostatic (dynamic) braking stops the machine whenever the direction-control lever is moved to neutral or whenever the combined decelerator/brake pedal is fully depressed.

### Automatic Park Brake
- Exclusive park brake feature engages wet, multiple-disc brakes whenever the engine stops, whenever the combined decelerator/brake pedal is fully depressed, whenever the park brake lever is placed in the start position, whenever the park brake button is pushed on the dash, whenever the F-N-R control is in the neutral position for more than seven seconds, or whenever machine motion is sensed with F-N-R in neutral position; machine cannot be driven with brake applied, reducing wear out or need for adjustment.

### Hydraulic System
- **System type**: load sensing
- **Pressure, system relief**: 2,320 psi (16 000 kPa)
- **Pump type**: variable-displacement piston pump with load-sensing proportional pump flow control
- **Flow**: 77 gpm (292 L/min.) @ 1,800 engine rpm
- **Filter, return oil**: 20 micron and 5 micron with magnetic particle attractors
- **Control**: single joystick lever
- **Cylinders**: heat-treated, chrome-plated, polished cylinder rods with hardened steel pivot pins, replaceable bushings, and bolted rod guides
- **Hydraulic/transmission cooling fan**: oil-to-air heat exchanger with hydrostatically driven, thermostatically controlled cooling fan.
**Undercarriage**

<table>
<thead>
<tr>
<th></th>
<th>950C</th>
<th>950C LT</th>
<th>950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Track frame with front and rear track guides and sprocket guard; John Deere Dura-Trax™ features deep-heat-treated, sealed, and lubricated track links and through-hardened, sealed, and lubricated rollers for maximum wear resistance; extreme-duty shoes for severe applications optional</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sprocket</td>
<td>segmental</td>
<td>sealed and lubricated</td>
<td>segmental</td>
</tr>
<tr>
<td>Chain</td>
<td>sealed and lubricated</td>
<td>sealed and lubricated</td>
<td>segmental</td>
</tr>
<tr>
<td>Track shoes, each side</td>
<td>39</td>
<td>43</td>
<td>43</td>
</tr>
<tr>
<td>Ground contact area</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20-in. (508 mm) grouser width (extreme duty single bar)</td>
<td>4,680 sq. in. (30 190 cm²)</td>
<td>5,160 sq. in. (33 275 cm²)</td>
<td>N/A</td>
</tr>
<tr>
<td>24-in. (610 mm) grouser width (extreme duty single bar)</td>
<td>5,616 sq. in. (36 230 cm²)</td>
<td>6,192 sq. in. (39 950 cm²)</td>
<td>N/A</td>
</tr>
<tr>
<td>28-in. (710 mm) grouser width (moderate service single bar)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>32-in. (812 mm) grouser width (moderate service single bar)</td>
<td></td>
<td>7,224 sq. in. (46 600 cm²)</td>
<td></td>
</tr>
<tr>
<td>36-in. (914 mm) grouser width (moderate service single bar)</td>
<td></td>
<td>8,256 sq. in. (53 200 cm²)</td>
<td></td>
</tr>
<tr>
<td>Ground clearance, minimum with single-bar grouser (excluding grouser height)</td>
<td>19 in. (482 mm)</td>
<td>19 in. (482 mm)</td>
<td>19 in. (482 mm)</td>
</tr>
<tr>
<td>Length of track on ground</td>
<td>117 in. (2960 mm)</td>
<td>129 in. (3275 mm)</td>
<td>129 in. (3275 mm)</td>
</tr>
<tr>
<td>Track gauge, standard</td>
<td>78 in. (1980 mm)</td>
<td>78 in. (1980 mm)</td>
<td>86 in. (2180 mm)</td>
</tr>
<tr>
<td>Oscillation at front idler</td>
<td>5.5 in. (140 mm)</td>
<td>6.1 in. (156 mm)</td>
<td>6.1 in. (156 mm)</td>
</tr>
<tr>
<td>Track rollers, each side</td>
<td>7</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Carrier rollers, each side</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Track pitch</td>
<td>8.5 in. (215.9 mm)</td>
<td>8.5 in. (215.9 mm)</td>
<td>8.5 in. (215.9 mm)</td>
</tr>
</tbody>
</table>

**Ground Pressures**

With semi-U dozer blade with power tilt and mechanical pitch adjustment, standard equipment, full fuel tank, and 175-lb. (79 kg) operator

<table>
<thead>
<tr>
<th></th>
<th>950C</th>
<th>950C LT</th>
<th>950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>With 20-in. (508 mm) extreme-duty single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td>10.81 psi (76 kPa)</td>
<td>10.10 psi (71 kPa)</td>
<td></td>
</tr>
<tr>
<td>With 24-in. (610 mm) extreme-duty single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td>9.25 psi (65 kPa)</td>
<td>8.53 psi (60 kPa)</td>
<td></td>
</tr>
<tr>
<td>With 28-in. (710 mm) moderate-service single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td></td>
<td>7.42 psi (51 kPa)</td>
<td></td>
</tr>
<tr>
<td>With 32-in. (812 mm) moderate-service single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td></td>
<td>6.54 psi (46 kPa)</td>
<td></td>
</tr>
<tr>
<td>With 36-in. (914 mm) moderate-service single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td></td>
<td>5.97 psi (42 kPa)</td>
<td></td>
</tr>
</tbody>
</table>

**SAE Operating Weights**

With semi-U dozer blade with power tilt and mechanical pitch adjustment, standard equipment, full fuel tank, and 175-lb. (79 kg) operator

<table>
<thead>
<tr>
<th></th>
<th>950C</th>
<th>950C LT</th>
<th>950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>With 20-in. (508 mm) extreme-duty single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td>50,600 lb. (22 950 kg)</td>
<td>52,300 lb. (23 700 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td>With 24-in. (610 mm) extreme-duty single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td>51,500 lb. (23 350 kg)</td>
<td>53,100 lb. (24 100 kg)</td>
<td>N/A</td>
</tr>
<tr>
<td>With 28-in. (710 mm) moderate-service single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td></td>
<td>54,200 lb. (24 600 kg)</td>
<td></td>
</tr>
<tr>
<td>With 32-in. (812 mm) moderate-service single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td></td>
<td>55,000 lb. (24 950 kg)</td>
<td></td>
</tr>
<tr>
<td>With 36-in. (914 mm) moderate-service single-bar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grouser shoes</td>
<td></td>
<td>55,800 lb. (25 310 kg)</td>
<td></td>
</tr>
</tbody>
</table>

**Optional or Special Equipment**

<table>
<thead>
<tr>
<th></th>
<th>950C</th>
<th>950C LT</th>
<th>950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add (+) or deduct (–) lb. (kg) as indicated to base weight for units with</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional front lights (2)</td>
<td>29 lb. (13 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auxiliary hydraulics for rear attachment</td>
<td>168 lb. (78 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-length rock guards</td>
<td>400 lb. (181 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy-duty cutting edges*</td>
<td>115 lb. (52 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power-pitch push arms with dual-tilt cylinders with hydraulics</td>
<td>420 lb. (190 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear counterweight</td>
<td>6,240 lb. (2830 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rigid heavy-duty drawbar</td>
<td>940 lb. (426 kg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rippers</td>
<td></td>
<td></td>
<td>see ripper data, page 15</td>
</tr>
</tbody>
</table>

* Dealer installed.
### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>950C</th>
<th>950C LT</th>
<th>950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Height over cab (including grousers)</td>
<td>130 in. (3305 mm)</td>
<td>130 in. (3305 mm)</td>
</tr>
<tr>
<td>B</td>
<td>Height over engine cover</td>
<td>94 in. (2386 mm)</td>
<td>94 in. (2386 mm)</td>
</tr>
<tr>
<td>C</td>
<td>Overall length (without blade)</td>
<td>169 in. (4300 mm)</td>
<td>169 in. (4300 mm)</td>
</tr>
<tr>
<td>D</td>
<td>Height of grousers</td>
<td>2.5 in. (72 mm)</td>
<td>2.5 in. (72 mm)</td>
</tr>
<tr>
<td>E</td>
<td>Ground clearance</td>
<td>19 in. (482 mm)</td>
<td>19 in. (482 mm)</td>
</tr>
<tr>
<td>F</td>
<td>Total width over blade-mounting trunnions</td>
<td>117 in. (2974 mm)</td>
<td>117 in. (2974 mm)</td>
</tr>
<tr>
<td>G</td>
<td>Overall width without blade-mounting trunnions</td>
<td>98 in. (2489 mm)</td>
<td>98 in. (2489 mm)</td>
</tr>
<tr>
<td>H</td>
<td>With 20-in. (508 mm) extreme-duty single-bar grousers</td>
<td>114 in. (2896 mm)</td>
<td>114 in. (2896 mm)</td>
</tr>
<tr>
<td>I</td>
<td>With 24-in. (610 mm) extreme-duty single-bar grousers</td>
<td>102 in. (2590 mm)</td>
<td>102 in. (2590 mm)</td>
</tr>
<tr>
<td>J</td>
<td>With 28-in. (710 mm) moderate-service single-bar grousers</td>
<td>118 in. (2992 mm)</td>
<td>118 in. (2992 mm)</td>
</tr>
<tr>
<td>K</td>
<td>With 32-in. (812 mm) moderate-service single-bar grousers</td>
<td>122 in. (3094 mm)</td>
<td>122 in. (3094 mm)</td>
</tr>
<tr>
<td>L</td>
<td>With 36-in. (914 mm) moderate-service single-bar grousers</td>
<td>126 in. (3200 mm)</td>
<td>126 in. (3200 mm)</td>
</tr>
<tr>
<td>M</td>
<td>With 36-in. (914 mm) moderate-service single-bar grousers</td>
<td>126 in. (3200 mm)</td>
<td>126 in. (3200 mm)</td>
</tr>
</tbody>
</table>

### Blades

- Dozer blade with power tilt and mechanical pitch adjustment
- Blade weight (including push beams, trunnion mounts, cupped end bits, and tilt cylinder)
- Blade capacity
- H Height of blade
- I Width of blade
- J Lifting height
- K Blade digging depth
- L Maximum blade pitch adjustment
- M Maximum tilt
- N Overall length

### Performance

- **Kw**
  - 267 - 200
  - 254 - 190
  - 246 - 170
  - 234 - 150
  - 223 - 140
  - 214 - 120
  - 206 - 100
  - 190 - 80
  - 170 - 60
  - 150 - 40
  - 130 - 20
  - 110 - 0
- **hp**
  - 267 - 200
  - 254 - 190
  - 246 - 170
  - 234 - 150
  - 223 - 140
  - 214 - 120
  - 206 - 100
  - 190 - 80
  - 170 - 60
  - 150 - 40
  - 130 - 20
  - 110 - 0
- **Nm**
  - 797 lb.-ft. (1080 Nm)
  - 600 - 170
  - 517 - 110
  - 443 - 80
  - 380 - 60
  - 317 - 40
  - 260 - 20
  - 200 - 10
  - 147 - 0
- **lb.-ft.**
  - 797 lb.-ft. (1080 Nm)
  - 600 - 170
  - 517 - 110
  - 443 - 80
  - 380 - 60
  - 317 - 40
  - 260 - 20
  - 200 - 10
  - 147 - 0
- **RPM**
  - 1600 - 1181
  - 1500 - 1107
  - 1400 - 1033
  - 1300 - 959
  - 1200 - 886
  - 1100 - 812
  - 1000 - 738
  - 900 - 664
  - 800 - 590
  - 700 - 517
  - 600 - 443
  - 517 - 110
  - 443 - 80
  - 380 - 60
  - 317 - 40
  - 260 - 20
  - 200 - 10
  - 147 - 0
- **SPEED**
  - 100
  - 80
  - 60
  - 40
  - 20
  - 10
  - 0
- **kg**
  - 10
  - 8
  - 6
  - 4
  - 2
  - 0

**950C CRAWLER SPEED VS GROUND PULL**

Usable pull will depend on traction and weight of tractor.
### Angle Blade with Hydraulic Tilt Device

<table>
<thead>
<tr>
<th>950C</th>
<th>950C LT / 950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>O Transport width</td>
<td>14 ft. (4175 mm)</td>
</tr>
<tr>
<td>P Blade angled</td>
<td>25 degrees</td>
</tr>
<tr>
<td>Q Width over frame-mounting trunnions</td>
<td>9 ft. 9 in. (2974 mm)</td>
</tr>
<tr>
<td>R Width over C-frame</td>
<td>10 ft. 6 in. (3200 mm)</td>
</tr>
<tr>
<td>S Overall length with blade angled</td>
<td>22 ft. (6700 mm)</td>
</tr>
<tr>
<td>T Track pad width</td>
<td>20 in. (508 mm) / 24 in. (610 mm)</td>
</tr>
</tbody>
</table>

### Parallelogram Ripper with Hydraulic Pitch Adjustment and ESCO Ripper Tips

<table>
<thead>
<tr>
<th>950C / 950C LT / 950C LGP</th>
</tr>
</thead>
<tbody>
<tr>
<td>single-shank multi-shank (3)</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>U Maximum penetration</td>
</tr>
<tr>
<td>V Maximum clearance under tip</td>
</tr>
<tr>
<td>W Overall additional length, raised position</td>
</tr>
<tr>
<td>W' Overall additional length, lowered position</td>
</tr>
<tr>
<td>X Overall beam width</td>
</tr>
<tr>
<td>Y Slope angle (full raise)</td>
</tr>
<tr>
<td>Z Ripping width</td>
</tr>
<tr>
<td>AA Distance between shanks</td>
</tr>
</tbody>
</table>
### Engine
- 230-hp (172 kW) Liebherr D 926 TI direct-injection, intercooled, turbocharged in-line 6-cylinder diesel (meets EPA off-road emission certification)
- Blower-type cooling fan with hydrostatic drive
- Deep engine oil pan allows up to 45-degree operation
- Dual-element dry-type aspirated air cleaner with automatic dust ejector
- Enclosed secondary fan guard (conforms to SAE J1098)
- Engine coolant to \(-34^\circ\)F (\(-37^\circ\)C)
- Fuel system with prefilter, water separator, and microfilters
- Heavy-duty five-fin-per-in. radiator
- Intake air heater cold-starting aid
- Under-hood muffler with vertical exhaust stack
- Oil-to-water engine oil cooler
- Spin-on full-flow oil filter, with anti-drain back valve
- Starter motor, 8.85 hp (6.6 kW)
- Turbocharger provides spark arresting
- Radiator sand screen

### Power Train
- Dual-path hydrostatic transmission: Dynamic braking / Electronically controlled with power management and AutoTrac / Infinite speed control / Inline F-N-R direction control / Single-lever steer with full power turn and counterclockwise
- Automatic spring-applied, hydraulic釋放停车 brake
- Hydraulic/transmission oil-to-air cooler, independent of radiator with hydrostatically driven cooling fan
- Park brake button: Neutralizes transmission and activates parking brake
- Three-speed transmission maximum speed control with dash-mounted indicator light
- Transmission system diagnostic test ports

### Electrical
- 24-volt system
- Alternator, 55 amp
- Alternator, 80 amp
- Batteries (2), heavy-duty cold start, 1,050 CCA
- Positive battery terminal covers
- Electrically activated battery master disconnect
- Breaker protected circuits
- Working lights, cab mounted, front (4) and rear (2)
- Additional grille or cylinder-mounted front lights (2)
- Additional rear lights (2)

### Hydraulic System
- 77-gpm (292 L/min.) load-sensing variable-displacement pump
- Blade quick-drop valve
- Circuit relief valve protection
- Hydraulic functions disabled with park lock lever
- Hydraulic/hydrostatic oil reservoir with sight glass
- Hydraulic system diagnostic test port
- “0°”-ring seal connectors
- Replaceable filter, 20/5 micron with magnetic particle attractors
- Single-lever control
- Tank shutoff valves for service
- Two-function single-lever dozer-control valve
- Hydraulic controls for dual tilt and power pitch
- Hydraulic controls for rear attachments

### Undercarriage
- 78-in. (1980 mm) gauge standard track frame
- 86-in. (2180 mm) gauge LGP frame
- Center track guides
- Front idler and sprocket chain guides
- Hydraulic track adjusters with dirt cover
- Oscillating track frames
- Integral track frame covers
- Isolation-mounted pivot shafts and equalizer bar
- Maintenance-free track components, sealed and lubricated rollers, idlers, and sprockets
- Sealed and lubricated track chain
- Segmented bolt-on sprockets
- 20-in. (508 mm) extreme-duty single-bar grouser shoes (standard and LT)
- 24-in. (610 mm) extreme-duty single-bar grouser shoes (standard and LT)
- 28-in. (710 mm) moderate-service single-bar grousers shoes (LGP)
- 32-in. (812 mm) moderate-service single-bar grousers shoes (LGP)
- 36-in. (914 mm) moderate-service single-bar grousers shoes (LGP)
- Full-length bolt-on rock guards

### Operator’s Station
- Modular cab with integrated ROPS/FOPS (conforms to SAE J1040, ISO 3471/3449): Hydraulically tiltable rearward 40 degrees / Isolation mounted / Air conditioner/heater/defroster/pressurizer with filtered fresh air intake and three-speed blower / Ash tray / Dome light / Fabric seat cushions / Lockable doors (open and closed position) / Full-length sunshade / Radio-installation provision / Rearview mirror / Sliding left-hand window / Tinted glass / Windshield wipers, front and rear, with washers
- Left and right access
- Built-in operator’s manual storage compartment and operator’s manual
- Rubber floormat

### Deluxe Equipment
- Deluxe mechanical suspension seat: Adjustable armrests, backrest, height, and fore- aft / Seat cushion tilt
- Deluxe air suspension power-adjustable seat (cab only): Adjustable armrests, backrest, height, weight, and fore- aft / Fabric seat cushions / Seat cushion tilt
- Seat belt, 2-in. (50 mm), retractable (conforms to SAE J386)
- Seat backrest extension
- Electronic monitor system with audible and visual warnings: Engine air filter restriction / Final drive seal integrity / Hydraulic/hydrostatic filter restriction / Hydrostatic transmission pressure / Low alternator voltage / Park brake
- Gauges, electric, illuminated: Engine coolant temperature / Engine oil pressure / Fuel / Hourmeter
- Horn, electric
- Key start switch with electric fuel shutoff
- 12-volt/10-amp power port
- 24-volt diagnostic power port
- Lever-controlled throttle
- Slip-resistant steps and ergonomically located handholds
- Radio AM/FM

### Attachments
- 146-in. (3700 mm) semi-U blade, 9.42-cu. yd. (7.20 m\(^3\)), with standard cutting edges (standard and LT)
- 181-in. (4590 mm) angle blade, 6.41-cu. yd. (4.90 m\(^3\)), with standard cutting edges (standard and LT)
- 177-in. (4550 mm) straight blade, 8.20-cu. yd. (6.27 m\(^3\)), with standard cutting edges (LGP)
- Heavy-duty cutting edges
- Dual blade-tilt cylinder for power pitch and tilt
- Push plates, blade liners, and end bits
- Single-shank parallelogram ripper
- Multi-shank (3) parallelogram ripper
- Rear counterweight, 6,240 lb. (2830 kg), with drawbar (cannot be used with rippers)

### Overall Vehicle
- 119-gal. (450 L) fuel tank with wide-mouth filler cap
- Hinged reinforced radiator guard
- Lockable vandal protection: Battery compartment / Engine access doors / Fuel tank / Hydraulic and transmission access door / Instrument panel (canopy only) / Storage compartments (2)
- One-piece utilized mainframe
- Rear retrieval hitch
- Reinforced engine bottom guards
- Reverse warning alarm (conforms to SAE J994, J1446)
- Tool kit with brake-release towing kit
- Lifting lugs