Variable multi-shank ripper

- Additional weight (including hydraulic control unit): 3760 kg (8,290 lb)
- Beam length: 2320 mm (7'7")
- Hydraulically-controlled parallelogram-type ripper with three shanks.
- Digging angle infinitely adjustable.
- Standard digging angle*: 49°
- Maximum digging depth: 900 mm (2'11")
- Maximum lift above ground: 950 mm (3'1")
- Measured with ripper point on ground and shank vertical.
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW/24V
- Suspension seat
- Track roller guard, end sections
- Track shoe assembly
- Sealed and lubricated track
- Underguard, oil pan and transmission
- 560 mm 22” single grouser shoe

Variable giant ripper

- Additional weight (including hydraulic control unit): 2440 kg (5,380 lb)
- Beam length: 1400 mm (4'7")
- Hydraulically-controlled parallelogram-type ripper with one shank.
- Digging angle infinitely adjustable.
- Standard digging angle*: 49°
- Maximum digging depth: 1240 mm (4'1")
- Maximum lift above ground: 950 mm (3'1")
- Measured with ripper point on ground and shank vertical.
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW/24V
- Suspension seat
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- Track shoe assembly
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- Underguard, oil pan and transmission
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Shoes

<table>
<thead>
<tr>
<th>Shoes (optional)</th>
<th>Additional weight</th>
<th>Ground contact area</th>
</tr>
</thead>
<tbody>
<tr>
<td>560 mm 22” single grouser shoe</td>
<td>0 kg</td>
<td>36680 cm²</td>
</tr>
<tr>
<td>610 mm 24” single grouser shoe</td>
<td>+230 kg</td>
<td>+364 lb</td>
</tr>
<tr>
<td>660 mm 26” single grouser shoe</td>
<td>+110 kg</td>
<td>+196 lb</td>
</tr>
<tr>
<td>710 mm 28” single grouser shoe</td>
<td>+620 kg</td>
<td>+1,370 lb</td>
</tr>
<tr>
<td>560 mm 22” extreme service shoe</td>
<td>+460 kg</td>
<td>36680 cm²</td>
</tr>
<tr>
<td>610 mm 24” extreme service shoe</td>
<td>+700 kg</td>
<td>+1,545 lb</td>
</tr>
<tr>
<td>660 mm 26” extreme service shoe</td>
<td>+940 kg</td>
<td>+1,905 lb</td>
</tr>
</tbody>
</table>

* Measured with ripper point on ground and shank vertical.

Optional Equipment

- Air cleaner, double element with dust indicator
- Alternator, 50 ampere
- Backup alarm
- Batteries, 2 x 12V 170 Ah
- Blower cooling fan
- Color monitor
- Decelerator pedal
- Fenders
- Horn, warning
- Hydraulics for dozer
- Hydrostatic steering (HSS) system
- Air conditioner
- Cab heater and defroster
- Engine side cover
- Locks, filler caps and covers
- Rear view monitoring system
- Rigid drawbar
- Tool kit
- ROPS cab
- Additional weight: 700 kg (1,545 lb)
- All-weather, enclosed pressurized cab
- Dimensions: —Length: 1735 mm 5'8" —Width: 1755 mm 5'9" —Height from floor: 1635 mm 5'4"
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW/24V
- Suspension seat
- Track roller guard, end sections
- Track shoe assembly
- Sealed and lubricated track
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Materials and specifications are subject to change without notice. Komatsu is a trademark of Komatsu Ltd. Japan.
### OUTSTANDING PRODUCTIVITY & FUEL ECONOMY

**Innovative SIGMADOZER** reduces digging resistance and demonstrates smooth material roll up to increase blade load.

Blade capacity 9.4 m³ (12.3 yd³). See page 4.

**Automatic transmission with lockup torque converter** increases speed and power to improve fuel consumption and productivity. See page 5.

**SAA6D140E-5 turbocharged after-cooled diesel engine** provides an output of 264 kW (354 HP) with excellent productivity, EPA Tier 3 and EU stage 3A emissions certified. See page 6.

**Hydraulic drive radiator cooling fan** controlled automatically, reduces fuel consumption and operating noise levels. See page 6.

**Gull-wing engine side covers** for easy and efficient engine servicing. See page 9.

**Blade tilt lines** completely protected.

**Increased-track length, seven roller undercarriage** ensures outstanding grading ability and stability.

**Extra-low machine profile** provides excellent machine balance and low center of gravity.

---

### PCCS (Palm Command Control System)

- Electronic controlled PCCS travel control
- Electronic controlled PCCS blade/ripper control
- Fuel control dial
- Automatic/manual gearshift selectable mode
- Gearshift pattern preset function
- ECMV controlled transmission

See page 7.

---

### New integrated ROPS cab includes:

- Large quiet operator environment
- Comfortable ride with new cab damper
- Excellent visibility without ROPS post
- High capacity air conditioning system (optional)
- Pressurized cab (optional)
- Adjustable armrests and suspension seat

See page 8.

---

### HSS (Hydrostatic Steering System)

Provides smooth, quick, and powerful control in various ground conditions.

---

**Large TFT LCD monitor**

- Easy-to-see and use 7” large multi-color monitor.
- Can be displayed in 10 languages for global support.

TFT : Thin Film Transistor
LCD : Liquid Crystal Display

See page 8.

---

### Modular power train

For increased serviceability and durability. Forward mounted pivot shafts isolate final drives from blade loads.

See page 9.

---

**Wet disc brakes** require less maintenance.

---

### High-rigidity, simple hull frame

And monocoque track frame with pivot shaft for greater reliability. See page 9.

---

**Photos may include optional equipment.**

---
**WALK-AROUND**

**OUTSTANDING PRODUCTIVITY & FUEL ECONOMY**

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**Wet disc brakes** require less maintenance.

**K-Bogie undercarriage system** improves traction, component durability, and operator comfort. See page 9.

**Newly designed ripper** offers excellent ripper visibility. See page 8.

**High-rigidity, simple hull frame** and monocoque track frame with pivot shaft for greater reliability. See page 9.
**New fuel efficient bulldozer**

New D155AX-6 has achieved both high levels of productivity and fuel economy through usage of SIGMADOZER and automatic transmission with lockup torque converter. SIGMADOZER developed based on completely new digging theory dramatically increases production. New transmission with high power transmission efficiency greatly reduces fuel consumption. This bulldozer significantly improves fuel efficiency compared with our conventional model.

**Outstanding productivity**

SIGMADOZER

Based on a completely new digging theory, SIGMADOZER dramatically improves dozing performance and increases productivity. A new frontal design concept adopted for digging and rolling up at the center of the blade increases soil holding capacity, simultaneously reducing sideways spillage. Reduced digging resistance produces smoother flow of earth, enabling the dozing of larger quantities of soil with less power. In addition, adoption of a new blade linkage system holds the blade closer to the tractor for improved visibility, enhanced digging force and reduced lateral sway of the blade. This is the new generation blade.

**Outstanding fuel economy**

**Automatic transmission with lockup torque converter**

A sharp reduction in fuel consumption and greater power train efficiency is achieved by the new automatic gearshift transmission and lock up torque converter. The automatic gearshift transmission selects the optimal gear range depending on the working conditions and load placed on the machine. This means the machine is always operating at maximum efficiency. (Manual gearshift mode is selectable with a switch)

**Automatic/manual gearshift selectable mode**

Automatic or manual gearshift modes can be selected with ease to suit the work at hand by simply pressing the switch on the multi-monitor (selection at neutral).

- **Automatic gearshift mode**
  
  The mode for general dozing. When a load is applied, the gear automatically shifts down, and when the load is off, it automatically shifts up to a set maximum gear speed. This mode economizes both fuel and production where the torque converter lockup mechanism is actuated according to load, automatically selecting the optimum gear speed.

- **Manual gearshift mode**
  
  The mode for dozing and ripping rough ground. When loaded, the gear automatically shifts down, but does not shift up when the load is off.

**Fuel consumption decreased by 10%**

(Compared with our conventional model)
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ECOLOGY FEATURES

Palm command electronic controlled blade/ripper control joystick

Electronically-controlled palm command joystick is equipped for blade/ripper control. Combined with the highly reliable Komatsu hydraulic system, superb control is the result.

Engine

Fuel efficient electronic controlled engine

The Komatsu SAA6D140E-5 engine delivers 264 kW (354 HP) at 1900 rpm. The fuel-efficient, powerful Komatsu engine makes the D155AX superior in both ripping and dozing operations. The engine is EPA Tier 3 and EU Stage 3A emissions certified. The engine is turbocharged and features direct fuel injection and air-to-air aftercooling to maximize power, fuel efficiency and emission compliance. To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

Hydraulic drive radiator cooling fan

The engine cooling fan rotation speed is electronically controlled. The fan rotation speed depends on engine coolant and hydraulic oil temperatures, the higher the temperature the higher the fan speed. This system increases fuel efficiency, reduces the operating noise levels and requires less horsepower than belt driven fan.

ECMV (Electronic Controlled Modulation Valve) controlled transmission and brakes

Controller automatically adjusts each clutch engagement depending on travel conditions, providing smooth shockless clutch engagement, improved component life and operator ride comfort.

Hydrostatic Steering System—smooth, powerful turning

The engine power is transmitted to both tracks without power interruption on the inside track for smooth, powerful turns. Counter-rotation is available for minimum turning radius providing excellent maneuverability.

CONTROL FEATURES

Human-Machine Interface PCCS (Palm Command Control System)

Komatsu’s ergonomically designed control system “PCCS” creates an operating environment with “complete operator control”.

Palm command electronic controlled travel control joystick

Palm command travel joystick provides the operator with a relaxed posture and superb fine control without operator fatigue. Transmission gear shifting is simplified with thumb push buttons.

Gearshift pattern preset function

When the gearshift pattern is set to either <F1-R2>, <F2-R2> or <F2-R3L> in automatic gearshift mode, the gear is automatically shifted, reducing round trip repetition work time and operator’s efforts.

Outline of electronic control system

ECMV (Electronic Controlled Modulation Valve)
Ecology Features

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Outline of electronic control system
**New integrated ROPS cab**

A newly designed cab is integrated with ROPS according to the latest computer analysis. High rigidity and superb sealing performance sharply reduce noise and vibration for the operator and prevents dust from entering the cab. Relaxed operation in comfortable environment. In addition, side visibility is increased because external ROPS structure and posts are not required. Outstanding visibility has been achieved.

**Large multi-lingual LCD color monitor**

A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by use of TFT liquid crystal display that can be easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations.

Display data in 10 languages to globally support operators around the world.

---

**Preventative maintenance**

Preventative maintenance is the only way to ensure long service life from your equipment. That’s why Komatsu designed the D155AX-6 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

**Multi-monitor with troubleshooting function to prevent critical machine troubles**

Various meters, gauges, and warning functions are centrally arranged on the multi-monitor. Offers ease of start-up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities should occur. In addition, countermeasures are indicated in 4 stage codes to ensure safety and prevent the machine from major problems. Replacement times for oil and filters are also indicated.

**Easy radiator cleaning with hydraulic drive fan**

The radiator can be cleaned by utilization of the reversible, hydraulically driven cooling fan. The fan can be reversed from inside the cab by simply turning the switch to reverse.

**Oil pressure checking ports**

Pressure checking ports for power train components are centralized to promote quick and simple diagnosis.

**Gull-wing engine side covers**

The opening area is further enlarged when gull-wing engine side covers are opened, facilitating engine maintenance and filter replacement. Side covers have been changed to a thick one-piece structure with a bolt-on catch to improve durability.

---

**Low maintenance costs**

**Increased undercarriage component life**

K-Bogie track rollers having a large oscillation travel always follow the track link even on uneven ground. This feature keeps the correct alignment between the rollers and links to contribute long undercarriage component life.

**Reliable simple hull frame**

Simple hull structure main frame design increases durability and reduces stress concentration at critical areas. The track frame has a large cross section and utilizes pivot shaft mounting for greater reliability.

**Sealed DT connectors**

Main harnesses and controller connectors are equipped with sealed DT connectors providing high reliability, as well as water and dust resistance.

**Flat face O-ring seals**

Flat face O-ring seals are used to securely seal all hydraulic hose connections and to prevent oil leakage.

**Enclosed hydraulic piping**

Hydraulic piping for the blade tilt cylinder is completely housed in the push arm, protecting it from damage.

**Modular power train design**

Power train components are sealed in a modular design that allows the components to be removed and installed without oil spillage, making servicing work clean, smooth and easy.

**Maintenance free disc brakes**

Wet disc brakes require less maintenance.
**D155AX-6 CRAWLER DOZER**

### Working Environment

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**Comfortable ride with cab damper mounting**
The D155AX-6's cab mount uses a cab damper which provides excellent shock and vibration absorption capacity with its long stroke. Cab damper mounts soften shocks and vibration while traveling over adverse conditions, which conventional mounting systems are unable to absorb. The cab damper spring isolates the cab from the machine body, suppressing vibration and providing a quiet, comfortable operating environment.

**Flat face O-ring seals**
Rubber boot is used to securely seal all hydraulic hose connections and to prevent oil leakage.

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**Maintenance free disc brakes**
Wet disc brakes require less maintenance.
**SPECIFICATIONS**

### ENGINE

- **Model**: Komatsu SAA6D140E-5
- **Type**: 4-cylinder, water-cooled, direct injection
- **Aspiration**: Turbocharged, air-to-air aftercooled, cooled EGR
- **Number of cylinders**: 6
- **Bore x stroke**: 140 mm x 165 mm (5.5" x 6.5")
- **Piston displacement**: 1594 cc (99.2 cu in)
- **Governor**: All-speed and mid-range, electronic
- **Horsetpower**: SAE J1995: Gross 268kW/360HP
  
- **ISO 8149 / SAE J1349**: Net 254kW/349HP
- **Rated rpm**: 1800 rpm
- **Fan drive type**: Hydraulic
- **Lubrication system**: Method: Gear pump, force lubrication
  
- **Filter**: Gear pump, full flow
- **Engine oil**: 15W-40 (API CH-4, ACEA A3/40)
- **Rated rpm**: 1800 rpm
  
- **Ground contact area**: 35600 sq in (906 sq cm)
  
- **Ground pressure (tractor only)**: 82.4 kPa (0.84 kgf/cm²) 11.9 psi
- **Number of track shoes**: 2
- **Number of carrier rollers (each side)**: 2
- **Fan drive type**: Hydraulic

### STEERING SYSTEM

- **Type**: K-Bogie undercarriage
- **Suspension**: Oscillation-type with equalizer bar and forward mounted pivot shafts
- **Track frame**: Monoaxle, high-tensile, steel strength construction

### UNDERCARRIAGE

- **Ground clearance**: 500 mm (19.7")

### TORQFLOW TRANSMISSION

- **Komatsu’s automatic TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter with lookup clutch, and a planetary gear, multiple-disc clutch transmission which is hydraulically actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch prevent machine from accidental starts.

### HYDRAULIC SYSTEM

- **Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.**
- **Hydraulic control unit**: All speed control valves externally mounted beside the hydraulic tank. Variable piston pump with capacity (discharge flow) of 325 ltr/min 85.9 U.S. gal/min for steering and 180 ltr/min 47.6 U.S. gal/min for implement at rated engine rpm.
- **Relief valve setting**: 27.5 MPa 390 kgf/cm² 5.550 psi for steering and 38.2 MPa 390 kgf/cm² 5.550 psi for auxiliary.

### DOZER EQUIPMENT

- **Use of high-tensile strength steel in moldboard for strengthened blade construction. Blade lift hose piping is mounted inside the dozer push arm to protect from damage.**

### FINAL DRIVES

- **Double-reduction, spur and planetary final drives increase tractive effort. Segmented sprockets are bolt-on for easy in-the-field replacement.**
**SPECIFICATIONS**

**ENGINE**
- Model: Komatsu SAA6D140E-5
- Type: 4-cylinder, water-cooled, direct injection
- Aspiration: air aftercooled
- Horsepower: 268 kW (360 HP)
- ISO 8528: 360 HP
- Emissions: SAE J1349
- Rated rpm: 1500 rpm
- Fan drive type: Hydraulic
- Lubrication system: Gear pump, force lubrication
- Filler: Full flow
- Gearshift lock lever: Electric
- Neutral safety switch: Operated by hydraulic actuation and force-lubricated

**TORQFLOW TRANSMISSION**
- Komatsu's automatic TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch, and a planetary gear, multi-disc clutch transmission which is hydraulically actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch prevent machine from accidental starts.

**STEERING SYSTEM**
- PCSS lever controls for all directional movements. Pushing the PCSS lever forward results in forward machine travel, while pushing it rearward reverses the machine. Simply tilt the PCSS lever to the left or right to make a left or right turn. Tilt it to the right for a right turn.
- Hydrostatic steering system (HSS) is powered by steering planetary units and an independent hydraulic pump and motor. Counter rotation turns are also available. Wet, multiple-disc, pedal-controlled service brakes are spring-actuated and hydraulically released. Gearshift lock lever also applies parking brakes.
- Minimum turning radius: 2.14 m (7’5”)

**UNDERCARRIAGE**
- Suspension: Oscillation-type with equalizer bar
- Track frame: Monocoque, high-tensile-strength steel construction
- K-Bogie undercarriage
- Lubricated track rollers are resiliently mounted on the track frame with a bogie suspension system whose oscillating motion is cushioned by rubber pads.
- Track shoes: Unique dust seals for preventing entry of foreign abrasives into pin-to-bushing clearance for extended service. Track tension easily adjusted with grease gun.

**COOLANT AND LUBRICANT CAPACITY (REFILL)**
- Fuel tank: 625 l (165 U.S. gal)
- Coolant: 82 l (21.7 U.S. gal)
- Engine oil: 37 l (9.8 U.S. gal)
- Damper: 1.5 l (0.4 U.S. gal)
- Transmission, bevel gear and steering system: 90 l (23.8 U.S. gal)
- Final drive (each side): 21 l (5.4 U.S. gal)

**OPERATING WEIGHT**
- Tractor weight: 31000 kg (68,350 lb)
- Including rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment
- Operating weight: 39500 kg (87,100 lb)
- Including strengthened SIGMADOZER, giant ripper, ROPS cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.
- Ground pressure: 0.106 kgf/cm² (14.8 psi)

**HYDRAULIC SYSTEM**
- Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.
- Hydraulic control unit:
  - All spool control valves externally mounted beside the hydraulic tank.
  - Variable piston pump with capacity discharge flow of 325 l/min 85.9 U.S. gallon/min for steering and 180 l/min 47.6 U.S. gallon/min for implement at rated engine rpm.
  - Relief valve settings: for implement 37.5 MPa 2800 kg/cm² 3900 psi, for steering 38.2 MPa 2750 kg/cm² 5500 psi.
- Control valves:
  - Spool control valve for SIGMADOZER, Semi-U tilt dozer and Full-U tilt dozer.
  - Positions: Blade lift, Raise, hold, lower, and float
  - Blade lift: Right, hold, and left
  - Additional control valve required for variable digging angle multi-shank ripper and giant ripper.
  - Positions: Ripper lift, Raise, hold, and lower
  - Ripper lift: Increase, hold, and decrease

**DOZER EQUIPMENT**
- Use of high-tensile-strength steel in moldboard for strengthened blade construction. Blade lift hose piping is mounted inside the dozer push arm to protect from damage.

**D155AX-6 CRAWLER DOZER**

**CRAWLER DOZER**

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Values</th>
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<tbody>
<tr>
<td>Model</td>
<td>D155AX-6</td>
</tr>
<tr>
<td>Operating weight</td>
<td>39500 kg (87,100 lb)</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>0.106 kgf/cm² (14.8 psi)</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>300 mm (12&quot;)</td>
</tr>
<tr>
<td>Maximum digging angle</td>
<td>45°</td>
</tr>
<tr>
<td>Maximum lift</td>
<td>4.5 m (14’9&quot;)</td>
</tr>
<tr>
<td>Maximum drop</td>
<td>4.5 m (14’9&quot;)</td>
</tr>
<tr>
<td>Overall length</td>
<td>13.0 m (42’9&quot;)</td>
</tr>
<tr>
<td>Blade capacity</td>
<td>9.4 m (3’1&quot;)</td>
</tr>
<tr>
<td>Blade length</td>
<td>3.5 m (11’6&quot;)</td>
</tr>
<tr>
<td>Maximum lift</td>
<td>4.5 m (14’9&quot;)</td>
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<tr>
<td>Maximum drop</td>
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<td>3.5 m (11’6&quot;)</td>
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</tbody>
</table>

**CRAWLER DOZER**

**D155AX-6 Power Shift**

**FINAL DRIVES**

Double-reduction, spur and planetary final drives increase tractive effort. Segmented sprockets are bolt-on for easy in-the-field replacement.
Variable multi-shank ripper
- Additional weight (including hydraulic control unit): 3760 kg (8,290 lb)
- Beam length: 2320 mm (7'7"
- Hydraulically-controlled parallelogram-type ripper with three shanks.
- Digging angle infinitely adjustable.
- Standard digging angle*: 49°
- Maximum digging depth: 900 mm (2'11"
- Maximum lift above ground: 950 mm (3'1"

Variable giant ripper
- Additional weight (including hydraulic control unit): 2440 kg (5,380 lb)
- Beam length: 1400 mm (4'7"
- Hydraulically-controlled parallelogram-type ripper with one shank.
- Digging angle infinitely adjustable.
- Standard digging angle*: 49°
- Maximum digging depth: 1240 mm (4'1"
- Maximum lift above ground: 950 mm (3'1"

Shoes

<table>
<thead>
<tr>
<th>Shoes (optional)</th>
<th>Additional weight</th>
<th>Ground contact area</th>
</tr>
</thead>
<tbody>
<tr>
<td>560 mm 22&quot; single grouser shoes</td>
<td>0 kg</td>
<td>36680 cm²</td>
</tr>
<tr>
<td>610 mm 24&quot; single grouser shoes</td>
<td>+200 kg</td>
<td>+440 lb</td>
</tr>
<tr>
<td>660 mm 26&quot; single grouser shoes</td>
<td>+410 kg</td>
<td>+905 lb</td>
</tr>
<tr>
<td>710 mm 28&quot; single grouser shoes</td>
<td>+620 kg</td>
<td>+1,370 lb</td>
</tr>
<tr>
<td>560 mm 22&quot; extreme service shoes</td>
<td>+460 kg</td>
<td>+1,015 lb</td>
</tr>
<tr>
<td>610 mm 24&quot; extreme service shoes</td>
<td>+700 kg</td>
<td>+1,545 lb</td>
</tr>
<tr>
<td>660 mm 26&quot; extreme service shoes</td>
<td>+940 kg</td>
<td>+2,070 lb</td>
</tr>
</tbody>
</table>

Other

- Air conditioner
- Cab heater and defroster
- Engine side cover
- Fenders, oil pan and transmission
- Horn, warning
- Hydraulics for dozer
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW/24V
- Suspension seat
- Track roller guard, end sections
- Track shoe assembly
  - Sealed and lubricated track
  - Underguards, oil pan and transmission
  - 560 mm 22" single grouser shoe

* Measured with ripper point on ground and shank vertical.