STANDARD EQUIPMENT FOR BASE MACHINE

- Air cleaner, double element with dust indicator
- Alternator, 60 ampere
- Backup alarm
- Batteries, 2 x 12V 170 Ah
- Blower cooling fan
- Color monitor
- Decelerator pedal
- Fenders
- Horn, warning
- Hydraulics for dozer
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Open ROPS
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW24V
- Suspension seat
- Track roller guard, end sections
- Track shoe assembly
- Sealed and lubricated track
- Undergards, oil pan and transmission
- 560 mm 22” single grouser shoe

OPTIONAL EQUIPMENT

ROPS cab
- Additional weight: 430 kg 948 lb
- All-weather, enclosed pressurized cab
- Dimensions:
  - Length: 1735 mm 5’8”
  - Width: 1755 mm 5’9”
  - Height from floor: 1635 mm 5’4”

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: 45°
- Maximum digging depth: 900 mm 2’11”
- Maximum lift above ground: 950 mm 3’11”

Variable giant ripper
- Additional weight (including hydraulic control unit): 3380 kg 7,450 lb
- Beam length: 1410 mm 4’7”
- Hydraulically-controlled parallelogram-type ripper with one shank.
- Digging angle infinitely adjustable.
- Standard digging angle: 45°
- Maximum digging depth: 1370 mm 4’6”
- Maximum lift above ground: 945 mm 3’1”

Blades

<table>
<thead>
<tr>
<th>Blade Length x Height</th>
<th>Maximum Lift Above Ground</th>
<th>Maximum Tilt Adjustment</th>
<th>Additional Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4980 mm x 1930 mm</td>
<td>1320 mm</td>
<td>300 mm</td>
<td>500 kg</td>
</tr>
<tr>
<td>5000 mm x 1920 mm</td>
<td>917 mm</td>
<td>100 mm</td>
<td>10,890 lb</td>
</tr>
<tr>
<td>5000 mm x 2000 mm</td>
<td>967 mm</td>
<td>0 mm</td>
<td>11,820 lb</td>
</tr>
</tbody>
</table>

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”</td>
<td>-0 kg</td>
<td>35280 cm² 5,468 in²</td>
</tr>
<tr>
<td>Single-grouser</td>
<td>+430 kg</td>
<td>+690 kg 1,520 lb</td>
</tr>
<tr>
<td>Shoes</td>
<td>+690 kg 1,520 lb</td>
<td>38430 cm² 5,957 in²</td>
</tr>
<tr>
<td>610 mm 24”</td>
<td>+530 kg 1,160 lb</td>
<td>41580 cm² 6,445 in²</td>
</tr>
<tr>
<td>Single-grouser</td>
<td>+920 kg 2,030 lb</td>
<td>+1,340 kg 2,940 lb</td>
</tr>
<tr>
<td>Shoes</td>
<td>+1,340 kg 2,940 lb</td>
<td>44160 cm² 6,933 in²</td>
</tr>
</tbody>
</table>

Other

- Air conditioner
- Cab heater and defroster
- Engine side cover
- Large pre-cleaner
- Locks, filler caps and covers
- Rear view monitoring system
- Rigid drawbar
- Tool kit

SIGMADOZER

<table>
<thead>
<tr>
<th>Overall Length with Dozer</th>
<th>Blade Capacity</th>
<th>Blade Length x Height</th>
<th>Maximum Lift Above Ground</th>
<th>Maximum Tilt Adjustment</th>
<th>Additional Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6125 mm</td>
<td>3.4 m²</td>
<td>5000 mm x 1930 mm</td>
<td>1320 mm</td>
<td>300 mm</td>
<td>5000 kg</td>
</tr>
<tr>
<td>6125 mm</td>
<td>3.4 m²</td>
<td>5000 mm x 1930 mm</td>
<td>917 mm</td>
<td>100 mm</td>
<td>10,890 lb</td>
</tr>
<tr>
<td>6125 mm</td>
<td>3.4 m²</td>
<td>5000 mm x 2000 mm</td>
<td>967 mm</td>
<td>0 mm</td>
<td>11,820 lb</td>
</tr>
</tbody>
</table>

Strengthened SIGMADOZER

<table>
<thead>
<tr>
<th>Overall Length with Dozer</th>
<th>Blade Capacity</th>
<th>Blade Length x Height</th>
<th>Maximum Lift Above Ground</th>
<th>Maximum Tilt Adjustment</th>
<th>Additional Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6125 mm</td>
<td>2.0 m²</td>
<td>5000 mm x 1930 mm</td>
<td>1320 mm</td>
<td>300 mm</td>
<td>5000 kg</td>
</tr>
<tr>
<td>6125 mm</td>
<td>2.0 m²</td>
<td>5000 mm x 1930 mm</td>
<td>917 mm</td>
<td>100 mm</td>
<td>10,890 lb</td>
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<tr>
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<td>2.0 m²</td>
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<td>0 mm</td>
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</tbody>
</table>

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**WALK-AROUND**

**Large blade capacity:**
9.4 m³ 12.3 yd³ (Semi-U dozer) and 11.9 m³ 15.6 yd³ (U dozer)
See page 4.

**Automatic transmission** increases speed and power to improve productivity.
See page 4.

**SAA6D140E-5 turbocharged after-cooled diesel engine** provides an output of 264 kW 354 HP @ 1900 rpm with excellent productivity. This engine is EPA Tier 2 and EU Stage 2 emissions equivalent.
See page 5.

**Hydraulic drive radiator cooling fan** controlled automatically, reduces fuel consumption and operating noise levels.
See page 5.

**Gull-wing engine side covers** for easy and efficient engine servicing.
See page 8.

**Blade tilt lines** completely protected.
See page 8.

**Low drive, rugged undercarriage** outstanding durability even traveling over severe rocky terrain.
See page 5.

**PCCS (Palm Command Control System)**
- Electronic controlled PCCS travel control
- Hydraulic controlled PCCS blade/ripper control
- Fuel control dial
- Automatic/manual gearshift selectable mode
- Gearshift pattern preset function
- ECDM (Electronic Controlled Modulation Valve) controlled transmission
See page 6.

**Torque converter** having ample power-transmitting capacity in reserve.
See page 4.

**New integrated ROPS cab includes:**
- Large quiet operator environment
- Comfortable ride with new cab damper
- Excellent visibility without ROPS post
- Two-position seat
- High capacity air conditioning system (optional)
- Pressurized cab (optional)
- Adjustable armrests and suspension seat (optional)
See page 7.

**Large TFT LCD monitor**
- Easy-to-see and use 7” large multi-color monitor
- Can be displayed in 10 languages for global support
- Advanced monitoring system for early troubleshooting
TFT : Thin Film Transistor
LCD : Liquid Crystal Display
See page 7.

**Rippers (optional):**
- Variable multi-shank
- Variable giant
Newly designed ripper offers excellent ripper visibility and dynamic ripping operation.
See page 4.

**HORSEPOWER**
Gross: 268 kW 360 HP @ 1900 rpm
Net: 264 kW 354 HP @ 1900 rpm

**OPERATING WEIGHT**
41700 kg 91,930 lb

**BLADE CAPACITY**
Semi-U DOZER: 9.4 m³ 12.3 yd³

**Extra-low machine profile** provides excellent machine balance and low center of gravity.
See page 8.

**Filtration**
Further enhanced reliability of the machine against fuel contamination thanks to the improvement in filtration.
See page 9.
**Large blade capacity:**
9.4 m³ 12.3 yd³ (Semi-U dozer)
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See page 9.

**Modular power train** for increased serviceability and durability. Forward mounted pivot shafts isolate final drives from blade loads.
See page 8.

**High-rigidity, simple hull frame** and monocoque track frame with pivot shaft for greater reliability.
See page 8.

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**PRODUCTIVITY FEATURES**

**Automatic transmission with torque converter**

Greater power train efficiency is achieved by the new automatic gearshift transmission. 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 automatically selects 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.

**Large blade capacity**

Capacity of 9.4 m³ (12.3 yd³) (Semi-U dozer) and 11.9 m³ (21.7 yd³) (U dozer) yield outstanding production. High-tensile-strength steel is incorporated into the front and sides of the blade for increased durability.

**Ripper performance**

Ripper cylinders are reduced from four to two, greatly improving rear visibility during ripping. Also, expanded ripper movement offers a wider range of operation.

**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 D155A superior in both ripping and dozing operations. The engine is EPA Tier 2 and EU Stage 2 emissions equivalent, and features direct fuel injection, turbocharger and air-to-air aftercooler to maximize power.

To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

**Hydraulic driven engine cooling fan**

Fan rotation is automatically controlled depending on coolant and hydraulic oil temperature, saving fuel consumption and providing great productivity with a quiet operating environment.

**Undercarriage**

**Field-proven low-drive, rigid type undercarriage**

Komatsu’s unique low-drive undercarriage features less shoe slippage compared with other types of undercarriage. The undercarriage follows the ground firmly for increased drawbar pull. Large strengthened shoes have been proven to be highly durable in various job sites all over the world.

Length of track on ground: 3150 mm (10’4”)
Automatic transmission with torque converter
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**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. 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.

**Fuel control dial**

Engine revolution is controlled by an electronic signal, providing ease of operation, eliminating maintenance of linkage and joints.

**Height adjustable armrest (Optional)**

Armrest is height adjustable without any tools, providing the operator with firm arm support.

**Outline of electronic control system**

New integrated ROPS cab (Optional)

A newly designed cab is integrated with ROPS. High rigidity and superb sealing performance sharply reduce noise and vibration for the operator and helps prevent dust from entering the cab. The result is relaxed operation in a comfortable environment for the operator. 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, accurate and smooth work. Improved screen visibility is achieved by use of TFT liquid crystal display that can 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.

Comfortable ride with cab damper mounting

The D155A-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.
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Palm command PPC controlled blade/ripper control joystick
Blade control joystick uses a PPC (Proportional Pressure Control) valve and blade control joystick ergonomics are similar to the travel control joystick. PPC control combined with the highly reliable Komatsu hydraulic system enables superb fine control.

Fuel control dial
Engine revolution is controlled by an electronic signal, providing ease of operation, eliminating maintenance of linkage and joints.

Height adjustable armrest (Optional)
Armrest is height adjustable without any tools, providing the operator with firm arm support.

Outline of electronic control system

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.

WORKING ENVIRONMENT

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Preventative maintenance

Preventative maintenance is the only way to ensure long service life from your equipment. That’s why Komatsu designed the D155A-6 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

**Multi-monitor with troubleshooting function to keep operator informed**
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. 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.

**Enclosed hydraulic piping**
Hydraulic piping for the blade tilt cylinder is completely housed in the push arm, helping protect it from damage.

**Modular power train design**
Power train components are sealed in a modular design, making servicing work clean, smooth and easy.

**Disc brakes**
Wet disc brakes require less maintenance.

**Measures against poor quality fuel**
In order to help protect the engine against dust and water contained in the fuel, the machine is equipped with a new high efficient main fuel filter and a large water separator. In addition, fuel tank drain valve, water drain valve of the water separator and fuel drain valve are concentrated at one place.

**Dust-proof measures**
Large fresh air pre-cleaner is also provided as optional equipment. The hydraulic tank and the fuel tank are equipped with a high-filtration breather with pressure valve to help prevent dust from entering.

**Low maintenance costs**

**Reliable simple hull frame**
Simple hull structure main frame design increases durability and reduces stress concentration at critical areas. The monocoque 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 help prevent oil leakage.

**High-filtration breather**
Large fresh air pre-cleaner
Large water separator
Preventative maintenance

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Modular power train design

Power train components are sealed in a modular design, making servicing work clean, smooth and easy.

Disc brakes

Wet disc brakes require less maintenance.
**D155A-6 CRAWLER DOZER**

### SPECIFICATIONS

**ENGINE**
- Model: Komatsu SAA6D140E-5
- Type: 4-cycle, water-cooled, direct injection
- Compression ratio: 140 mm x 165 mm 5.5:1 x 6.5:1
- Piston displacement: 15.24 ft³ 930 in³
- Governor: All-speed and mid-range, electronic
- Horsepower: SAE J1995
  - Gross 268kW 360HP
  - ISO 9249 / SAE J1349
  - Net 200kW 265HP
- Rated rmp: 1900rpm
- Fan drive type: Hydraulic
- Lubrication system method: Gear pump, force lubrication
- Filter: Full-flow
- *Net horsepower at the maximum speed of radiator cooling fan*: 23kW / 30HP
- EPA Tier 2 and EU Stage 2 emissions equivalent.

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

<table>
<thead>
<tr>
<th>Travel speed</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>3.9 km/h 2.5 mph</td>
<td>4.7 km/h 2.9 mph</td>
</tr>
<tr>
<td>2nd</td>
<td>5.7 km/h 3.5 mph</td>
<td>6.8 km/h 4.2 mph</td>
</tr>
<tr>
<td>3rd L</td>
<td>7.5 km/h 4.7 mph</td>
<td>9.2 km/h 5.7 mph</td>
</tr>
<tr>
<td>3rd</td>
<td>11.4 km/h 7.1 mph</td>
<td>13.1 km/h 8.1 mph</td>
</tr>
</tbody>
</table>

**COOLANT AND LUBRICATION CAPACITY (REFILL)**
- Fuel tank: 625 ltr 165 U.S. gal
- Coolant: 82 ltr 21.7 U.S. gal
- Engine oil: 37 ltr 9.8 U.S. gal
- Damper: 1.5 ltr 0.4 U.S. gal
- Transmission, bevel gear and steering system: 90 ltr 23.8 U.S. gal
- Final drive (each side): 31 ltr 8.2 U.S. gal

**OPERATING WEIGHT**
- Tractor weight: 32300 kg 71,200 lb
- Including rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment
- Operating weight: 41700 kg 91,930 lb
- Including Strengthened Semi-U, giant ripper, cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.
- Ground pressure: 115.8 kPa 1.18 kg/cm² 16.8 psi

**HYDRAULIC SYSTEM**
- Closed-center load sensing system (KLSS) 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 200 l/hr 52.8 U.S. gal/min for implement at rated engine rpm.
  - Relief valve setting . . . for implement at 27.5 MPa 260 kg/cm² 3,860 psi
- Transmission: bevel gear
- Filter: Full-flow
- Hydraulic system capacity (refill): 156 ltr 40 U.S. gal
- Attaching volume: 180 ltr 48 U.S. gal

**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 help prevent damage.

### STEERING SYSTEM
- PCCS lever controls for all directional movements. Pushing the PCCS lever forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the PCCS lever to the left to make a left turn. Tilt it to the right for a right turn.

- 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 70"

**UNDERCARRIAGE**
- Suspension: Oscillation-type with equalizer bar and forward mounted pivot shafts
- Track roller frame: Monocoque, high-tensile-strength steel construction
- Track shoes: Lubricated tracks. Unique dust seals for helping prevent entry of foreign abrasives into pin-to-bushing clearance for extended service. Track tension easily adjusted with grease gun.

- Number of shoes (each side): 41
- Grouser height: 80 mm 3.1"
- Shoe width (standard/maximum): 560 mm 22/710 mm 28"
- Ground contact area: 35280 cm² 5,468 in²
- Ground pressure (tractor only): 0.92 kPa 0.02 kg/cm² 13.1 psi
- Number of track rollers (each side): 7
- Number of carrier rollers (each side): 2

**FINAL DRIVES**
- 1011
- Effort. Segmented sprockets are bolt-on for easy in-the-field replacement.

| Diameter | Width | 1011
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1011 mm</td>
<td>50 in</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>1011 mm</td>
<td>50 in</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Travel speed</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>3.9 km/h 2.5 mph</td>
<td>4.7 km/h 2.9 mph</td>
</tr>
<tr>
<td>2nd</td>
<td>5.7 km/h 3.5 mph</td>
<td>6.8 km/h 4.2 mph</td>
</tr>
<tr>
<td>3rd L</td>
<td>7.5 km/h 4.7 mph</td>
<td>9.2 km/h 5.7 mph</td>
</tr>
<tr>
<td>3rd</td>
<td>11.4 km/h 7.1 mph</td>
<td>13.1 km/h 8.1 mph</td>
</tr>
</tbody>
</table>

**COOLANT AND LUBRICATION CAPACITY (REFILL)**
- Fuel tank: 625 ltr 165 U.S. gal
- Coolant: 82 ltr 21.7 U.S. gal
- Engine oil: 37 ltr 9.8 U.S. gal
- Damper: 1.5 ltr 0.4 U.S. gal
- Transmission, bevel gear and steering system: 90 ltr 23.8 U.S. gal
- Final drive (each side): 31 ltr 8.2 U.S. gal

**OPERATING WEIGHT**
- Tractor weight: 32300 kg 71,200 lb
- Including rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment
- Operating weight: 41700 kg 91,930 lb
- Including Strengthened Semi-U, giant ripper, cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.
- Ground pressure: 115.8 kPa 1.18 kg/cm² 16.8 psi

**HYDRAULIC SYSTEM**
- Closed-center load sensing system (KLSS) 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 200 l/hr 52.8 U.S. gal/min for implement at rated engine rpm.
  - Relief valve setting . . . for implement at 27.5 MPa 260 kg/cm² 3,860 psi
- Transmission: bevel gear
- Filter: Full-flow
- Hydraulic system capacity (refill): 156 ltr 40 U.S. gal
- Attaching volume: 180 ltr 48 U.S. gal

**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 help prevent damage.

### FINAL DRIVES
- 1011
- 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
- **Piston displacement**: 140 mm x 165 mm 5.51 x 6.50"
- **Number of cylinders**: 6
- **Horsepower**: SAE J1995 Gross 268kW 360HP
- **ISO 9283/ ISO 8145 Net 206kW 275HP
- **Rated rpm**: 1900rpm
- **Fan drive type**: Hydraulic
- **Method**: Gear pump, force lubrication
- **Filter**: Full-flow
  - *Net horsepower at the maximum speed of radiator cooling fan* 29.6kW 39 HP

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

<table>
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<th>Travel speed</th>
<th>Forward</th>
<th>Reverse</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>3.9 km/h 2.4 mph</td>
<td>4.7 km/h 2.9 mph</td>
</tr>
<tr>
<td>2nd</td>
<td>5.7 km/h 3.5 mph</td>
<td>6.8 km/h 4.2 mph</td>
</tr>
<tr>
<td>3rd</td>
<td>7.5 km/h 4.7 mph</td>
<td>9.2 km/h 5.7 mph</td>
</tr>
<tr>
<td>3rd L</td>
<td>11.4 km/h 7.1 mph</td>
<td>12.3 km/h 7.5 mph</td>
</tr>
</tbody>
</table>

**COOLANT AND LUBRICANT CAPACITY (REFILL)**
- **Fuel tank**: 625 ltr 165 U.S. gal
- **Coolant**: 82 ltr 21.7 U.S. gal
- **Engine oil**: 37 ltr 9.8 U.S. gal
- **Transmission, bevel gear, and steering system**: 1.5 ltr 0.4 U.S. gal
- **Number of track rollers (each side)**: 7
- **Number of carrier rollers (each side)**: 2

**COOLANT AND LUBRICANT**
- **Ground pressure (tractor only)**: 22"/180 mm
- **Ground clearance**: 500 mm 20"
- **Number of track rollers (each side)**: 7
- **Number of carrier rollers (each side)**: 2

**OPERATING WEIGHT**
- **Tractor weight**: 32300 kg 71200 lb
- **Including rated capacity of lubricant, coolant, fuel tank, operator and standard equipment**: 41700 kg 91930 lb
- **Operating weight**: 41700 kg 91930 lb
- **Including Strengthened Semi U. grant ripper, cab, operator, standard equipment, rated capacity of lubricant, coolant, and fuel tank**: 41700 kg 91930 lb
- **Ground pressure**: 115.8 kPa 1.18 kg/cm² 16.8 psi

**HYDRAULIC SYSTEM**
- **PCCS lever controls for all directional movements. Pushing the PCCS lever forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the PCCS lever to the left to make a left turn. Tilt it to the right for a right turn. 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 70°

**UNDERCARRIAGE**
- **Suspension**: Oscillation-type with equalizer bar and forward mounted pivot shafts
- **Track roller frame**: Mono-coque, high-tensile-strength steel construction
- **Track shoes**: Lubricated tracks. Unique dust seals for helping prevent entry of foreign abrasives into pin-to-shafting clearance for extended service. Track tension easily adjusted with grease gun
- **Number of shoes (each side)**: 41
- **Grouser height**: 80 mm 3.1"
- **Shoe width (standard/maximum)**: 560 mm 22/710 mm 28"
- **Ground contact area**: 35280 cm² 5.668 ft²
- **Ground pressure (tractor only)**: 90.2 kPa 0.92 kg/cm² 13.1 psi
- **Number of track rollers (each side)**: 7
- **Number of carrier rollers (each side)**: 2

**DOZER EQUIPMENT**
Use of high-tensile-strength steel in midboard for strengthened blade construction. Blade lift hose piping is mounted inside the dozer push arm to help prevent damage.
HORSEPOWER
Gross: 268 kW
360 HP @ 1900 rpm
Net: 264 kW
354 HP @ 1900 rpm

OPERATING WEIGHT
41700 kg
91,930 lb

BLADE CAPACITY
Semi-U DOZER: 9.4 m³
12.3 yd³

D155A-6

STANDARD EQUIPMENT FOR BASE MACHINE

- Air cleaner, double element with dust indicator
- Alternator, 60 ampere
- Backup alarm
- Batteries, 2 x 12V 170 Ah
- Blower cooling fan
- Color monitor
- Decelerator pedal
- Fenders
- Horn, warning
- Hydraulics for dozer assembly
- Lighting system (includes 2 front, 1 rear)
- Muffler with rain cap
- Open ROPS
- Palm lever steering control
- Radiator with reserve tank
- Rear cover
- Starting motor, 11kW24V
- Suspension seat
- Track roller guard, end sections
- Track shoe assembly
- Sealed and lubricated track
- Undergards, oil pan and transmission
- 560 mm 22” single grouser shoe

OPTIONAL EQUIPMENT

- Additional weight: 430 kg 948 lb
- All-weather, enclosed pressurized cab
- Dimensions:
  - Length: 1735 mm 5'8"
  - Width: 1755 mm 5'9"
  - Height from floor: 1635 mm 5'4"
- 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: 45°
- Maximum digging depth: 900 mm 2'11"
- Maximum lift above ground: 950 mm 3'11"
- Variable giant ripper
- Additional weight (including hydraulic control unit): 3380 kg 7,450 lb
- Beam length: 1410 mm 4'8"
- Hydraulically-controlled parallelogram-type ripper with one shank.
- Digging angle infinitely adjustable.
- Standard digging angle: 45°
- Maximum digging depth: 1370 mm 4'6""
- Maximum lift above ground: 945 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” single grousers</td>
<td>-0 kg -0 lb</td>
<td>5620 cm² 5.468 in²</td>
</tr>
<tr>
<td>610 mm 24” single grousers</td>
<td>+290 kg +440 lb</td>
<td>3840 cm² 5.957 in²</td>
</tr>
<tr>
<td>660 mm 26” single grousers</td>
<td>+610 kg +948 lb</td>
<td>41560 cm² 6.445 in²</td>
</tr>
<tr>
<td>610 mm 24” extreme service grousers</td>
<td>+450 kg +750 lb</td>
<td>35280 cm² 5.468 in²</td>
</tr>
<tr>
<td>660 mm 26” extreme service grousers</td>
<td>+690 kg +1160 lb</td>
<td>38430 cm² 5.957 in²</td>
</tr>
</tbody>
</table>

SIGMADOZER

<table>
<thead>
<tr>
<th>SIGMADOZER</th>
<th>Overall length with dozer</th>
<th>Blade capacity</th>
<th>Blade length x height</th>
<th>Maximum lift above ground</th>
<th>Maximum lift adjustment</th>
<th>Additional weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGMADOZER</td>
<td>6125 mm 20'1&quot;</td>
<td>3.4 m³ 12.3 yd³</td>
<td>4990 mm x 1930 mm 16'6&quot; x 6'4&quot;</td>
<td>4060 mm x 1850 mm 13'2&quot; x 6'1&quot;</td>
<td>1320 mm 4'4&quot;</td>
<td>5360 kg 11,820 lb</td>
</tr>
<tr>
<td>SIGMADOZER</td>
<td>7125 mm 23'4&quot;</td>
<td>4.4 m³ 15.4 yd³</td>
<td>5990 mm x 1935 mm 19'6&quot; x 6'4&quot;</td>
<td>4060 mm x 1850 mm 13'2&quot; x 6'1&quot;</td>
<td>1320 mm 4'4&quot;</td>
<td>10,890 kg 23,900 lb</td>
</tr>
<tr>
<td>SIGMADOZER</td>
<td>8105 mm 26'9&quot;</td>
<td>4.4 m³ 15.4 yd³</td>
<td>6990 mm x 1935 mm 22'11&quot; x 6'4&quot;</td>
<td>4060 mm x 1850 mm 13'2&quot; x 6'1&quot;</td>
<td>1320 mm 4'4&quot;</td>
<td>12,900 kg 28,400 lb</td>
</tr>
</tbody>
</table>

Other
- Air conditioner
- Cab heater and defroster
- Engine side cover
- Large pre-cleaner
- Locks, filler caps and covers
- Rear view monitoring system
- Rigid drawbar
- Tool kit

Shoes (optional) Additional weight Ground contact area

560 mm 22” single grousers -0 kg -0 lb 5620 cm² 5.468 in²
610 mm 24” single grousers +290 kg +440 lb 3840 cm² 5.957 in²
660 mm 26” single grousers +610 kg +948 lb 41560 cm² 6.445 in²
610 mm 24” extreme service grousers +450 kg +750 lb 35280 cm² 5.468 in²
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SIGMADOZER

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SIGMADOZER

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