**Engine and transmission**
- Air cleaner, double element with dust indicator
- Blower cooling fan, hydraulic
- Decelerator pedal
- Engine, Komatsu SAA6D140E-5
- Muffler with rain cap
- Radiator with reserve tank
- TORQFLOW transmission

**Electrical system**
- Alternator, 24 V/90 A
- Battery disconnect switch
- Large capacity batteries

**Hydraulic system**
- Hydraulics for dozer
- Palm Command Control System (PCCS)

**Guard and covers**
- Fenders
- Rear cover
- Underguards, oil pan and transmission

**Undercarriage**
- 560 mm single grouser shoe
- Track roller full guard
- Sealed and lubricated track

**Engine**
- Large pre-cleaner

**Electrical system**
- Additional working lights
- Alternator, 24 V/90 A
- Battery disconnect switch
- Large capacity batteries

**Undercarriage**
- Shoes
- Shoes Additional Weight Ground Contact Area
- 560 mm Single-grouser 0 kg 35280 cm²
- 610 mm Single-grouser +200 kg 38430 cm²
- 660 mm Single-grouser +410 kg 41580 cm²
- 710 mm Single-grouser +610 kg 44730 cm²
- 560 mm Extreme Service Single-grouser +450 kg 35280 cm²
- 610 mm Extreme Service Single-grouser +690 kg 38430 cm²
- 660 mm Extreme Service Single-grouser +920 kg 41580 cm²

**Work equipment**
- Blade
  - Angle dozer
  - Coal dozer
  - Full-U dozer
  - Semi-U dozer
  - SIGMADOZER
  - Strengthened semi-U dozer
  - Strengthened SIGMADOZER
- Track roller full guard

**Operator environment**
- Large multi-lingual LCD color monitor
- Rear view mirror
- ROPS/FOPS Cab (ISO 3471/ISO 3449)
- Seat belt
- Suspension seat
- Backup alarm
- Horn, warning

**Blade Capacity (ISO 9246)**
- Semi-U DOZER: 9.4 m³

**Horsepower**
- Gross: 268 kW (360 HP / 1900 min⁻¹)
- Net: 264 kW (354 HP / 1900 min⁻¹)

**Materials and specifications are subject to change without notice.**
**PRODUCTIVITY**
- Komatsu Technology
- Fuel-efficient Electronic Controlled Engine
- Hydraulic Driven Engine Cooling Fan
- Automatic/Manual Gearshift Selectable Mode

**COMFORT**
- New Integrated ROPS (ISO 3471) Cab
- Comfortable Ride with Cab Damper Mounting
- Gearshift Pattern Preset Function
- Fuel Control Dial

**ICT & KOMTRAX**
- Large Multi-lingual High Resolution Liquid Crystal Display (LCD) Monitor
- KOMTRAX

**WORK EQUIPMENT**
- Innovative SIGMA DOZER
- Newly Designed Ripper

**MAINTENANCE**
- Easy Radiator Cleaning with Hydraulic Drive Fan
- Oil Pressure Checking Ports
- Gull-wing Engine Side Covers
- Measures Against Poor Quality Fuel
- Dust-proof Measures

**HORSEPOWER**
- Gross: 269 kW 360 HP / 1900 min⁻¹
- Net: 264 kW 354 HP / 1900 min⁻¹

**OPERATING WEIGHT**
- 41700 kg

**BLADE CAPACITY (ISO 9246)**
- Semi-U DOZER: 9.4 m³
## WALK-AROUND

**PRODUCTIVITY**
- Komatsu Technology
- Fuel-efficient Electronic Controlled Engine
- Hydraulic Driven Engine Cooling Fan
- Automatic/Manual Gearshift Selectable Mode

**COMFORT**
- New Integrated ROPS (ISO 3471) Cab
- Comfortable Ride with Cab Damper Mounting
- Gearshift Pattern Preset Function
- Fuel Control Dial

**ICT & KOMTRAX**
- Large Multi-lingual High Resolution Liquid Crystal Display (LCD) Monitor
- KOMTRAX

**WORK EQUIPMENT**
- Innovative SIGMADOZER
- Newly Designed Ripper

**MAINTENANCE**
- Easy Radiator Cleaning with Hydraulic Drive Fan
- Oil Pressure Checking Ports
- Gull-wing Engine Side Covers
- Measures Against Poor Quality Fuel
- Dust-proof Measures

### HORSEPOWER
- Gross: 268 kW / 360 HP / 1900 min⁻¹
- Net: 264 kW / 354 HP / 1900 min⁻¹

### OPERATING WEIGHT
- 41700 kg

### BLADE CAPACITY (ISO 9246)
- Semi-U DOZER: 9.4 m³
PRODUCTIVITY FEATURES

Komatsu Technology
Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house. With this “Komatsu Technology” and adding customer feedback, Komatsu is achieving great advancements in technology. To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly bulldozers.

Fuel-efficient Electronic Controlled Engine
The Komatsu SAA6D140E-5 engine delivers 264 kW (354 HP) at 1900 min⁻¹. The fuel-efficient, powerful Komatsu engine makes the D155A-6 superior in both ripping and dozing operations. The engine is U.S. EPA Tier 2 and EU Stage 2 emissions equivalent, and features direct fuel injection, turbocharger and air-to-air charged air cooler 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.

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 LCD 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.

Field-proven Low-drive, Rigid Type Undercarriage
Komatsu’s unique low-drive undercarriage features less shoe slippage compared with other types of undercarriages. 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.

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 LCD 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.

Fuel-efficient Electronic Controlled Engine
The Komatsu SAA6D140E-5 engine delivers 264 kW (354 HP) at 1900 min⁻¹. The fuel-efficient engine makes the D155A-6 superior in both ripping and dozing operations. The engine is U.S. EPA Tier 2 and EU Stage 2 emissions equivalent, and features direct fuel injection, turbocharger and air-to-air charged air cooler 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.

Komatsu Technology
Komatsu develops and produces all major components, such as engines, electronics and hydraulic components, in house. With this “Komatsu Technology” and adding customer feedback, Komatsu is achieving great advancements in technology. To achieve both high levels of productivity and economical performance, Komatsu has developed the main components with a total control system. The result is a new generation of high performance and environment-friendly bulldozers.

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).

Field-proven Low-drive, Rigid Type Undercarriage
Komatsu’s unique low-drive undercarriage features less shoe slippage compared with other types of undercarriages. 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

PRODUCTIVITY FEATURES
Comfort

New Integrated ROPS (ISO 3471) Cab
A newly designed cab is integrated with ROPS (ISO 3471). 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.

Comfortable Ride with Cab Damper Mounting
The D155A-6’s cab mount uses a cab damper which provides excellent shock and vibration absorption capability 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.

Automatic Air Conditioner (A/C) (Optional)
Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD monitor. The bi-level control function keeps the operator’s head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps front glass clear.

Pressurized Cab
Optional air conditioner, air filter and a higher internal air pressure minimize external dust from entering the cab.

Human-machine Interface Palm Command Control System (PCCS)
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.

Palm Command Pressure Proportional Control (PPC) Controlled Blade/Ripper Control Joystick
Blade control joystick uses a PPC 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.

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.

Electronic Controlled Modulation Valve (ECMV)
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.

Outline of electronic control system
New Integrated ROPS (ISO 3471) Cab

A newly designed cab is integrated with ROPS (ISO 3471). 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.

Comfortable Ride with Cab Damper Mounting

The D155A-6’s cab mount uses a cab damper which provides excellent shock and vibration absorption capability 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.

Automatic Air Conditioner (A/C) (Optional)

Enables you to easily and precisely set cab atmosphere with the instruments on the large LCD monitor. The bi-level control function keeps the operator’s head and feet cool and warm respectively. This improved air flow function keeps the inside of the cab comfortable throughout the year. Defroster function keeps front glass clear.

Pressurized Cab

Optional air conditioner, air filter and a higher internal air pressure minimize external dust from entering the cab.

Comfort

Human-machine Interface Palm Command Control System (PCCS)

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.

Palm Command Pressure Proportional Control (PPC) Controlled Blade/Ripper Control Joystick

Blade control joystick uses a PPC 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.

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.

Electronic Controlled Modulation Valve (ECMV) 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.
LARGE HIGH RESOLUTION LCD MONITOR

Large Multi-lingual High Resolution LCD Monitor
A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch LCD. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 10 languages to globally support operators around the world.

Equipment Management Monitoring System

Troubleshooting function to keep operator informed
Various meters, gauges, and warning functions are centrally arranged on the LCD 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 error codes. Replacement times for oil and filters are also indicated.

Electric dust indicator
Electric dust indicator allows the monitor to display the caution icon for the air cleaner clogging on the screen to inform the operator sitting on the seat of the air cleaner clogging status.

Maintenance function
The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

Trouble data memory function
Monitor stores abnormalities for effective troubleshooting.

ICT & KOMTRAX

Assists Customer’s Equipment Management and Contributes to Fuel Cost Cutting

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.
Large Multi-lingual High Resolution LCD Monitor

A large user-friendly high resolution LCD color monitor enables safe, accurate and smooth work. Visibility and resolution are further improved compared with current 7-inch LCD. Simple and easy to operate switches. Function keys facilitate multi-function operations. Displays data in 10 languages to globally support operators around the world.

Equipment Management Monitoring System

Troubleshooting function to keep operator informed

Various meters, gauges, and warning functions are centrally arranged on the LCD monitor. Offers ease of start-up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities should occur. In addition, countermeasure are indicated in 4 stage error codes. Replacement times for oil and filters are also indicated.

Electric dust indicator

Electric dust indicator allows the monitor to display the caution icon for the air cleaner clogging on the screen to inform the operator sitting on the seat of the air cleaner clogging status.

Maintenance function

The monitor informs replacement time of oil and filters on the LCD when the replacement interval is reached.

Trouble data memory function

Monitor stores abnormalities for effective troubleshooting.

ICT & KOMTRAX

Assists Customer’s Equipment Management and Contributes to Fuel Cost Cutting

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.

Large Multi-lingual High Resolution LCD Monitor

KOMTRAX terminal installed on your machine collects and sends information such as machine location, working record, machine conditions, etc. using wireless communication. You can review the KOMTRAX data remotely via the online application. KOMTRAX not only gives you the informations on your machine, but also the convenience of managing your fleet on the Web.
Innovative SIGMADOZER

Based on a completely new digging theory, SIGMADOZER dramatically improves dozing performance and increases productivity. A new front end 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 prevents the blade from being dragged on the surface. This is the new generation blade.

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.

Newly designed ripper

Compared with our conventional model

Ripping reach

D155A-6

D155A-2

Production increased by 15%
**WORK EQUIPMENT**

**Blade**

**Innovative SIGMA DOZER**

Based on a completely new digging theory, SIGMA DOZER 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.

**Ripper**

**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.

**Newly designed ripper**

Ripping reach

Compared with our conventional model

**Blade**

<table>
<thead>
<tr>
<th>Type</th>
<th>Feature</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi-U Dozer</td>
<td>The blade combines penetration ability of the straight blade with increased load capacity provided by short wings which include only the end bits.</td>
<td>![Image]</td>
</tr>
<tr>
<td>Strengthened Semi-U Dozer</td>
<td></td>
<td>![Image]</td>
</tr>
<tr>
<td>SIGMA DOZER</td>
<td>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 large quantities of soil with less power.</td>
<td>![Image]</td>
</tr>
<tr>
<td>U Dozer</td>
<td>The wings on this blade minimize material spillage. Since this blade has a lower HP/loose cubic yards than a straight tip dozer, this blade is suitable for moving lighter or loose materials over long distances. Suitable works are land reclamation, stockpiling and other similar jobs.</td>
<td>![Image]</td>
</tr>
<tr>
<td>Coal Dozer</td>
<td>Specialized blade for pushing coal, with larger width and deep angled wings.</td>
<td>![Image]</td>
</tr>
</tbody>
</table>

**Ripper**

<table>
<thead>
<tr>
<th>Type</th>
<th>Feature</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable Giant Ripper</td>
<td>Specially made to handle hard rock with reinforced beam and a shank. The tilt angle of the ripper point is adjustable for better penetration and fragmentation.</td>
<td>![Image]</td>
</tr>
<tr>
<td>Variable Multi-shank Ripper</td>
<td>The ripper point angle can be varied hydraulically to suit the specific ground conditions. The ideal movement of ripper points ensures powerful digging force throughout the entire digging angle range.</td>
<td>![Image]</td>
</tr>
</tbody>
</table>
To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

**Technical support**
Komatsu product support service (Technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.
- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program
- Undercarriage inspection service, etc.

**Fleet recommendation**
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

**Product support**
Komatsu Distributor secure the certain quality of machine will be delivered.

**Parts availability**
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

**Repair & maintenance service**
Komatsu Distributor offers quality repair service, periodical maintenance, and maintenance service to the customer, utilizing and promoting Komatsu developed programs.

**Komatsu Reman (Remanufacturing) components**
Komatsu Reman products are the result of the implementation of the Komatsu global Reman policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu’s customer through prompt delivery, high quality and competitively priced in own remanufactured products.
To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

Technical support
Komatsu product support service (Technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.
• Preventive Maintenance (PM) clinic
• Oil & Wear analysis program
• Undercarriage inspection service, etc.

Fleet recommendation
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

Product support
Komatsu Distributor secure the certain quality of machine will be delivered.

Parts availability
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

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.

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 Connectors
Main harnesses and controller connectors are equipped with sealed 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.

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.

Komatsu Total Support
To keep your machine available and minimize operation cost when you need it, Komatsu Distributor is ready to provide variety of support before and after procuring the machine.

Fleet recommendation
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

Product support
Komatsu Distributor secure the certain quality of machine will be delivered.

Parts availability
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

Technical support
Komatsu product support service (Technical support) are designed to help customer. Komatsu Distributor offers a variety of effective services how much Komatsu is dedicated to the maintenance and support of Komatsu machine.
• Preventive Maintenance (PM) clinic
• Oil & Wear analysis program
• Undercarriage inspection service, etc.

Fleet recommendation
Komatsu Distributor can study customer job site and provide the most optimum fleet recommendation with detailed information to meet all of your application needs when you are considering to buy new machines or to replace the existing ones from Komatsu.

Product support
Komatsu Distributor secure the certain quality of machine will be delivered.

Parts availability
Komatsu Distributor is available for emergency inquiry by the customers for genuine, quality guaranteed Komatsu parts.

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.

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 Connectors
Main harnesses and controller connectors are equipped with sealed 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.

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.
**SPECIFICATIONS**

**ENGINE**

- Model: Komatsu SAA6D140E-5
- Type: 4-cylinder, water-cooled, direct injection, turbocharged, air-to-air aftercooled engine
- Number of cylinders: 4
- Bore x stroke: 140 mm x 165 mm
- Piston displacement: 1790 mm³
- Governor: Reverse
- Fan drive type: Electric
- Lubrication system: Open
- Fuel system: Electronic

**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 hydrodynamically activated 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>3rd L</td>
<td>7.9 km/h</td>
<td>5.2 km/h</td>
</tr>
<tr>
<td>3rd H</td>
<td>11.4 km/h</td>
<td>7.7 km/h</td>
</tr>
</tbody>
</table>

**HYDRAULIC SYSTEM**

- Hydraulic oil capacity (Refill): Semi-U dozer 85 L, U dozer 37 L, Giant ripper 37 L
- Hydraulic fluid: 85W90 (

**DOZER EQUIPMENT**

Use of high-tensile-strength steel in mainframe for increased service life. Blade tilt piping is mounted inside the dozer push arm to help prevent damage.

**HYDRAULIC Cylinders**

<table>
<thead>
<tr>
<th>Number of Cylinders</th>
<th>Core</th>
<th>Barn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blade Lift</td>
<td>3</td>
<td>150 mm</td>
</tr>
<tr>
<td>Blade Tip</td>
<td>1</td>
<td>150 mm</td>
</tr>
<tr>
<td>Ripper LRT</td>
<td>1</td>
<td>300 mm</td>
</tr>
<tr>
<td>Ripper Tip</td>
<td>1</td>
<td>300 mm</td>
</tr>
</tbody>
</table>

**FINAL DRIVES**

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

- Overall Length with Dozer: 6010 mm (19.7 ft)
- Blade Length x Height: 4130 mm x 1790 mm (13.6 ft x 5.9 ft)
- Maximum Lift above Ground: 1250 mm (4.1 ft)
- Maximum Lift below Ground: 590 mm (2.0 ft)
- Maximum Tilt Adjustment: 150 mm (6.0 in)
- Weight:
  - Standard Semi-U: D600 kg (1330 lb)
  - Power Shift Semi-U: D600 kg (1330 lb)
  - SIGMADOZER: 6125 mm (20.1 ft)
**SPECIFICATIONS**

**ENGINE**

- Model: Komatsu SAA6D140E-5
- Type: 4-cylinder, water-cooled, direct injection
- Aspiration: Turbocharged, air-to-air charged air cooler
- Number of cylinders: 6
- Bore x stroke: 140 mm x 165 mm
- Piston displacement: 15.24 L
- Governor: All-speed and mid-range, electronic
- Horsepower
  - SAE J1995: 259 kW (351 HP)
  - ISO 9249 / SAE J1349: 259 kW (349 HP)
  - Net: 239 kW (320 HP)
- Rated rpm: 1900 min⁻¹
- Fan drive type: Hydraulic
- Lubrication system: Full-flow

**STEERING SYSTEM**

- Suspension: Oscillation-type with equalizer bar
- Track roller frame: Monocoque, high-tensile-strength steel construction
- 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.

**UNDERCARRIAGE**

- Number of track rollers (Each side): 7
- Number of carrier rollers (Each side): 2
- Closed-center Load Sensing System (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

**COOLANT AND LUBRICANT CAPACITY**

- Fuel tank: 625 L
- Coolant: 90 L
- Final drive (Each side): 31 L
- Hydraulic oil capacity (Refill): 300 L

**TORQUEFLOW TRANSMISSION**

- Komatsu’s automatic TORQUEFLow transmission consists of a water-cooled, 3-element, 1-stage 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.

**HYDRAULIC SYSTEM**

- Hydraulics
  - Hydraulic cylinders: Double-acting, piston
  - Spool control valve for Semi-U tilt dozer and Full-U tilt dozer. Positions: Blade lift (Rise, hold, lower, and float)
  - Blade tilt (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 and float)

**DOZER EQUIPMENT**

- Use of high-tensile-strength steel in midboard for strengthened blade construction. Blade tilt hose piping is mounted inside the dozer push arm to help prevent damage.

**OPERATING WEIGHT**

- Traction weight: 32300 kg
- Including rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment

**FINAL DRIVES**

- Double-reduction, spur and planetary final drives increase tractive effort. Segmented sprockets are bolt-on for easy in-the-field replacement.
### STANDARD EQUIPMENT FOR BASE MACHINE

**Engine and transmission**
- Air cleaner, double element with dust indicator
- Blower cooling fan, hydraulic
- Decelerator pedal
- Engine, Komatsu SAA6D140E-5
- Muffler with rain cap
- Radiator with reserve tank
- TORQFLOW transmission

**Electrical system**
- Alternator, 24 V/50 A
- Starting motor, 24 V/11 kW
- Working lights (includes 2 front, 1 rear)

**Hydraulic system**
- Hydraulics for dozer
- Palm Command Control System (PCCS)

**Guard and covers**
- Fenders
- Rear cover
- Under guard, oil pan and transmission

**Undercarriage**
- 560 mm single grouser shoe
- Track roller guard, end sections
- Sealed and lubricated track

**Operator environment**
- Large multi-lingual LCD color monitor
- Rear view mirror
- ROPS/FOPS Cab (ISO 3471/ISO 3449)
- Seat belt
- Suspension seat
- Backup alarm
- Horn, warning

**OPTIONAL EQUIPMENT**

**Engine**
- Large pre-cleaner

**Electrical system**
- Additional working lights
- Alternator, 75 A
- Alternator, 90 A
- Battery disconnect switch
- Large capacity batteries

**Undercarriage**
- 560 mm single grouser shoe
- Track roller guard, end sections
- Sealed and lubricated track

**Work equipment**
- Blade
  - Angle dozer
  - Coal dozer
  - Full-U dozer
  - Semi-U dozer
  - SIGMADOZER
  - Strengthened semi-U dozer
  - Strengthened SIGMADOZER
- Track roller full guard

**Hydraulic system**
- Hydraulics for dozer
- Palm Command Control System (PCCS)

**Guard and covers**
- Fenders
- Rear cover
- Under guard, oil pan and transmission

**Undercarriage**
- 560 mm single grouser shoe
- Track roller guard, end sections
- Sealed and lubricated track

**Operator environment**
- Large multi-lingual LCD color monitor
- Rear view mirror
- ROPS/FOPS Cab (ISO 3471/ISO 3449)
- Seat belt
- Suspension seat
- Backup alarm
- Horn, warning

**STANDARD EQUIPMENT FOR BASE MACHINE**

<table>
<thead>
<tr>
<th>Shoe Size</th>
<th>Addition Weight</th>
<th>Ground Contact Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>560 mm single-grouser shoe</td>
<td>+450 kg</td>
<td>35280 cm²</td>
</tr>
<tr>
<td>610 mm single-grouser shoe</td>
<td>+690 kg</td>
<td>38430 cm²</td>
</tr>
<tr>
<td>660 mm single-grouser shoe</td>
<td>+920 kg</td>
<td>41580 cm²</td>
</tr>
<tr>
<td>710 mm single-grouser shoe</td>
<td>+610 kg</td>
<td>44730 cm²</td>
</tr>
</tbody>
</table>

**Materials and specifications are subject to change without notice.**

Komatsu is a trademark of Komatsu Ltd. Japan.