KOMATSU

# D155AX-6

Crawler dozer


Photos may include optional equipment.

**Horsepower**
Gross: 268 kW (360 hp) @ 1,900 rpm
Net: 264 kW (354 hp) @ 1,900 rpm

**Operating weight**
39,500 kg (87,100 lb)

# Walk-around


Photos may include optional equipment.

## Exceptional productivity and fuel efficiency

The innovative SIGMADOZER blade reduces digging resistance and increases the material roll up effect to decreases dozing resistance and increase load capacity. Blade capacity: 9.4 $m^3$ (12.3 $yd^3$). *(See page 4).*

Automatic transmission with lockup torque converter to increase speed and power and improve fuel efficiency and productivity. *(See page 5).*

**PCCS (Palm command control system)**
PCSS electronically controled travel control.
PCSS electronically controled blade/ripper.
Fuel control dial.
Automatic / manual gearshift selectable mode.
Gearshift pattern preset function.
ECMV controlled transmission.
*(See page 7)*

**SAA6D140E-5 turbocharged after-cooled diesel engine**
264 kW/354 hp output and excellent productivity. EPA Tier 3 and EU stage 3A emissions certified.
*(See page 6)*

**Hydraulic drive radiator cooling fan**
Automatic control. Reduces fuel consumption and operating noise levels.
*(See page 6)*

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

**Blade tilt lines**
Fully protected.

**Longer track with seven low rollers**
Ensures great stability and grading ability.

**Extra low machine profile**
Excellent machine balance and low center of gravity.

**New cab with integrated ROPS:**
Large and quiet operator environment.
New cab damper for comfortable ride.
Excellent visibility without ROPS post.
High capacity air conditioning system (optional).
Pressurized cab (optional).
Adjustable armrests and suspension seat.
*(See page 8)*

**Hydrostatic steering system (HSS)**
Smooth, quick and powerful control in different ground conditions.

**Large LCD TFT Monitor**
Easy-to-see and use 7" large multi-color monitor.
Available in 10 languages for global support.
TFT: Thin film transistor.
LCD: Liquid crystal display.
*(See page 8)*

**Newly designed ripper**
Excellent visibility of the work area.
*(See page 8)*

**High-rigidity simple-hull frame**
Simple-hull track frame with pivot shaft for increased reliability.
*(See page 9)*

**Modular power train**
Increased durability and serviceability. Forward mounted tilting shafts isolate final drives from blade loads.
*(See page 9)*

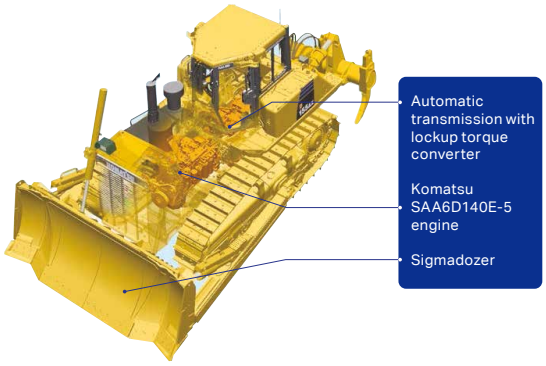
**K-Bogie undercarriage system**
Improved traction, components durability and operator's comfort.
*(See page 9)*

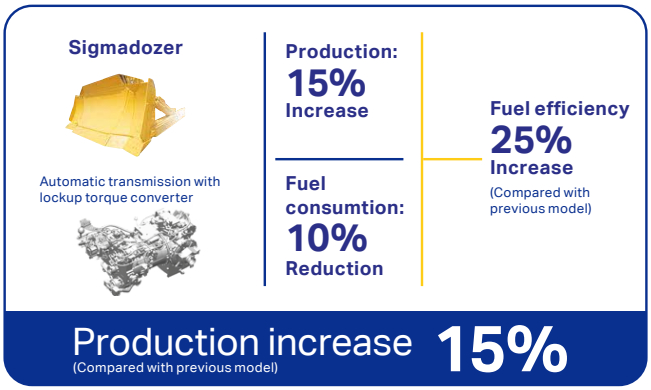
**Wet disc brakes**
Less maintenance required.

# Productivity and fuel efficiency characteristics

## New fuel-efficient bulldozer

The new D155AX-6 has achieved high levels of productivity and fuel efficiency through usage of Sigmadozer and automatic transmission with lockup torque converter. The Sigmadozer was developed based on a completely new digging theory that increases production more significantly. The new transmission with high power transmission efficiency substantially reduces fuel consumption. As compared with the previous model, this bulldozer significantly improves fuel efficiency.

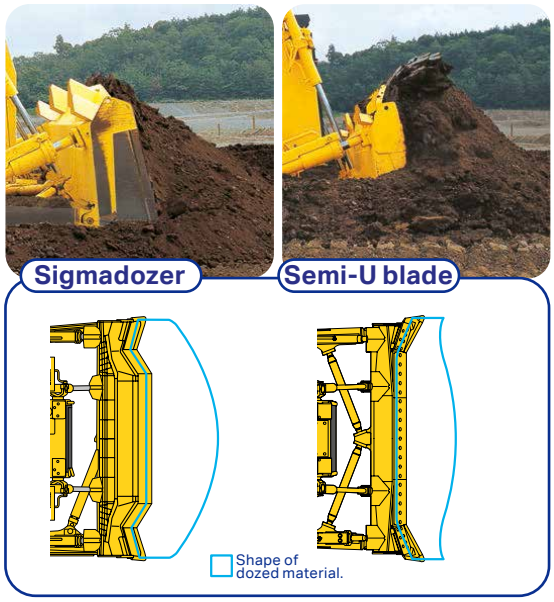



## Exceptional productivity

### Sigmadozer

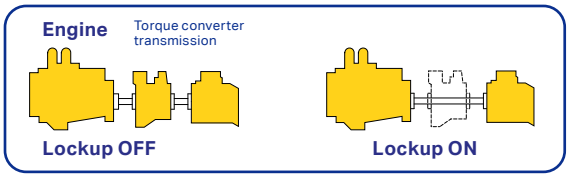
Based on a completely new digging theory. Sigmadozer improves production performance dramatically and increases productivity. This new blade design is used for digging and rolling up at the center of the blade to increase load capacity and reduce sideway spillage. Less digging resistance produces smoother earth flows and, consequently, larger quantities of soil require less dozing power. Additionally, a new blade linkage system holds the blade closer to the bulldozer and improves visibility, enhances the digging force and reduces side blade sway. This is a new blade generation.



# Exceptional fuel efficiency

## Automatic transmission with lockup torque converter

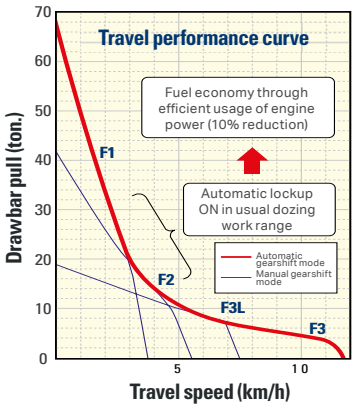
Considerable reduction in fuel consumption and greater power train efficiency obtained by the automatic gearshift transmission and lockup torque converter. The automatic gearshift transmission selects the optimal gear range depending on the working conditions and load. In consequence, the machine permanently operates at maximum efficiency. (A switch selects the manual gearshift mode).




## Fuel consumption decreased by 10%

(Compared with previous model)

The lockup mechanism of the torque converter actuates engine power to the transmission automatically and directly in usual dozing speed range. The lockup torque converter eliminates loss of horsepower by 10%. Since the electronically controlled engine is extremely efficient, fuel consumption is reduced while also maintaining machine power.




## Automatic/manual gearshift selectable mode

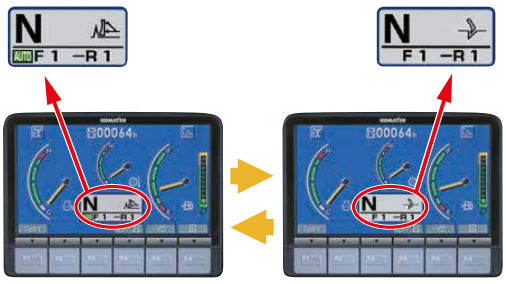
Automatic or manual gearshift modes can be selected easily to suit the work simply by pressing the switch on the multi-monitor (selection at neutral).

## Automatic gearshift mode

Mode used for general working conditions. When a load is applied, the gear speed automatically shifts down and once the load is off, it automatically shifts up to the preset maximum gear speed. When the lockup torque converter is applied in accordance with the load and selects the optimum gearshift speed, fuel is economized and production increases.

## Manual gearshift mode

Mode used for ripping and dozing hard ground. When load is increased, the gear speed automatically shifts down but does not shift up once the load is off.




Automatic gearshift mode screen.

Manual gearshift mode screen.

# Reliability features

## Operator's working environment

**Komatsu** develops and produces in house all major components such as engines, electronics and hydraulic components. The **"Komatsu Technology",** jointly with the customers feedback, help Komatsu achieve great advances in technology. To reach high levels of productivity and ecology, Komatsu has developed the main components using advanced control systems. The result is a new generation of high-performance and environment-friendly machines.

## Engine

### Fuel efficient electronic controlled engine

The Komatsu engine SAA6D140E-5 delivers 264 kW/354 hp at 1,900 rpm.
The powerful and efficient Komatsu engine makes the D155AX superior in both operations, ripping and dozing.
The engine is EPA Tier3, and EU stage 3A emissions certified. The engine is turbo charged with direct fuel injection and air-to-air aftercooling to maximize power and fuel efficiency and to comply with emissions.
To minimize noise and vibrations, the engine is mounted on rubber cushions to the main frame.


### Hydraulically driven radiator cooling fan

Rotation speed of the engine cooling fan is electronically controlled. The engine fan rotation speed depends on engine coolant and hydraulic oil temperatures. The higher the temperature, the fastest the fan's speed. This system increases fuel efficiency, reduces noise level and uses less power than the belt driven fan.

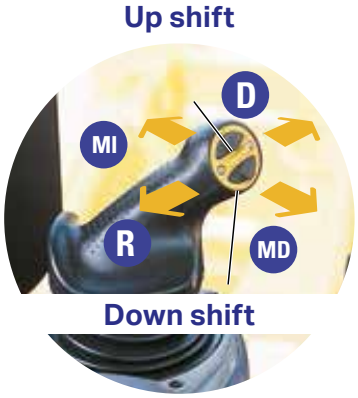
# Control features

## Human-machine interface PCCS (Palm command control system)

Komatsu has developed the new PCCS control system designed ergonomically to create an operating environment with complete operator control.

## Palm command electronically controlled travel joystick

The palm command travel joystick allows the operator to adopt a comfortable and excellent control posture that avoids fatigue. Transmission gear shifting is simplified with thumb push buttons.




## Gear shifting pattern preset function

When the gear shifting pattern is set to <F1-R2>, <F2-R2> or <F2-R3L> in automatic gearshift mode, the gear is automatically shifted reducing work time in repetitive operations and operator's effort.


**Automatic gearshift mode**

MODE F1-R1
Press DOWN switch Press UP switch
MODE F1-R2
Press DOWN switch Press UP switch
MODE F 2-R2
Press DOWN switch Press UP switch
MODE F 2-R3L

**Manual gearshift mode**

MODE F1-R1
Press DOWN switch Press UP switch
MODE F1-R2
Press DOWN switch Press UP switch
MODE F 2-R2

# Control features

### Transmission and brakes controlled by ECMV (Electronic control modulation valve)

The controller automatically adjusts each clutch engagement depending on travel conditions. The clutch engagement is smooth and shockless and improves the life of components and operator's ride comfort.

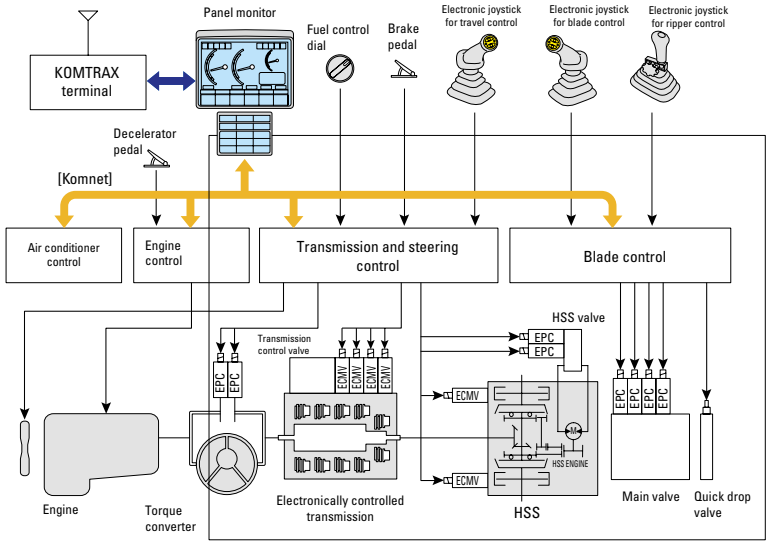
### Hydrostatic steering system - smooth and powerful turning

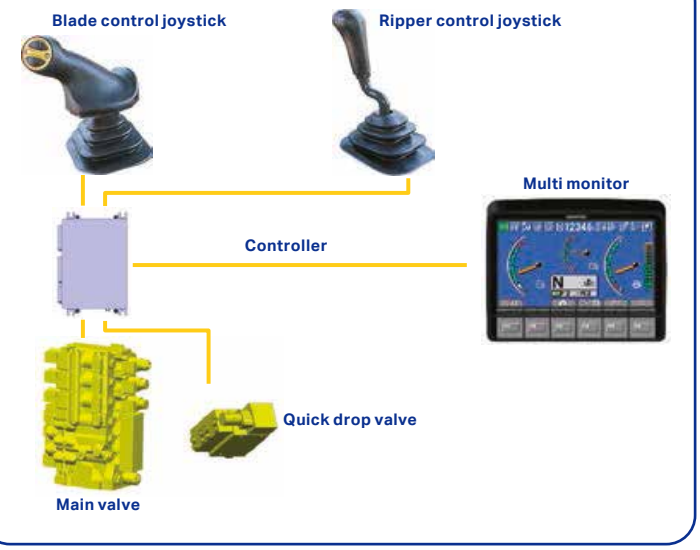
The engine power is transmitted to both tracks. The inside track receives power uninterruptedly enabling smooth and powerful turns. Counter-rotation is available for minimum turning radius and excellent maneuverability.

### Palm-command electronically controlled blade/ripper joystick

An electronic palm-command joystick controls the blade/ripper. Jointly with the highly reliable Komatsu hydraulic system this joystick makes control excellent.

## Description of the electronic control system



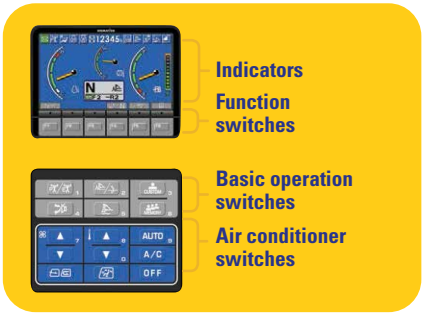
# Working environment

## New ROPS-integrated cab

Newly designed ROPS-integrated cab that follows the latest computer analyses. High rigidity and excellent sealing performance significantly reduce noise and vibration for the operator and prevent dust from entering the cab. Quiet operation in comfortable environment. Additionally, as external ROPS structure and posts are not necessary side visibility increases. In consequence, visibility is outstanding.

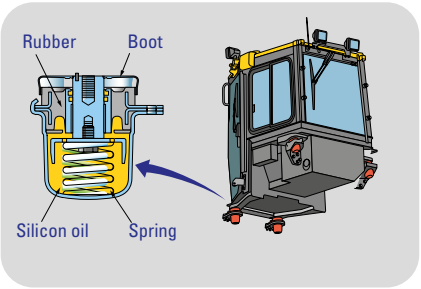
## Large LCD TFT multi-lingual monitor

A user-friendly color monitor makes work safe, accurate and easy. A TFT liquid crystal screen improves the screen visibility making reading easy from different angles and lighting conditions. The switches are simple and easy to operate. The function keys are industry first to facilitate multifunction operations. Data is displayed in 10 different languages for global support to operators worldwide.



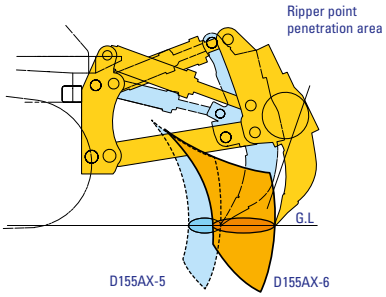

## Comfortable ride with damped cab mount

Due to its long-stroke damper, the D155AX-6 cab mount provides excellent shock and vibration absorption capacity while travelling in adverse conditions which conventional mounting systems are unable to absorb. The spring dampers isolate the cab from the machine body, suppress vibrations and provide a quiet and comfortable operating environment.




## Ripper visibility

Ripper cylinders have been reduced from four to two considerably improving rear visibility when ripping. Additionally, the expanded ripper movement provides a broad range of operation.




# Reliability features

## Preventive maintenance
Preventive maintenance is the only way to ensure long service life for your equipment. Consequently, Komatsu has designed the D155AX-6 with points of maintenance conveniently located to make necessary inspections and maintenance quick and easy.

## Multi-monitor with troubleshooting function to prevent critical failures
Different gauges, indicators and warning functions are arranged in the center of the multi-monitor. The start-up inspection is easier. A light or buzzer promptly warns the operator should any abnormality be detected. Also, countermeasures coded in four stages are indicated to ensure safety and prevent the machine from major problems. Replacement times are also indicated for oils and filters.


## Oil pressure checking points
Pressure checking points for power train components are centralized to quickly and simply diagnose the problem.

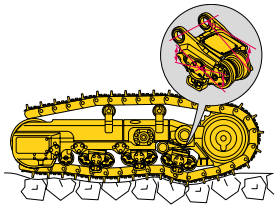
## Easy radiator cleaning with hydraulically driven fan
The radiator can be cleaned using the reversible, hydraulically driven cooling fan. This fan can be reversed from inside the cab by simply turning the switch to reverse.

## Gullwing engine side covers
The access area enlarges further when the engine side covers open gullwing style to facilitate engine maintenance and filter replacement. The side covers are now a thick one-piece structure with a bolt-on hitch to improve durability.

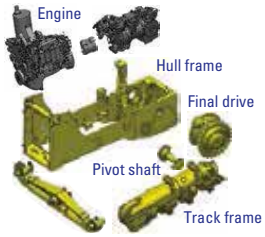
## Reliable simple hull frame
The simple hull design of the main frame increases durability and reduces stress concentration in critical areas. The track frame has a large cross section and it is mounted with a pivot shaft for increased reliability.

## Low maintenance cost

## Longer life of undercarriage components
The K-Bogie low track rollers have a large oscillation to follow the track link permanently, even on rough terrain. This characteristic keeps the correct alignment between rollers and links thus extending the life of the undercarriage components.



## Sealed DT connectors
The connectors of main harnesses and controller are equipped with sealed DT connectors to provide high reliability and resistance to dust and corrosion.




## Maintenance free disc brakes
Wet disc brakes require less maintenance.

# Specifications

## Engine

| | |
|---|---|
| Model | Komatsu SAA6D140E-5. |
| Type | 4-cycle, water-cooled, direct injection. |
| Aspiration | Turbocharged, air-to-air aftercooled, EGR cooler. |
| Number of cylinders | 6. |
| Bore x stroke | 140 mm x 165 mm (5.51" x 6.50"). |
| Piston displacement | 15.24 L / 930 $in^3$. |
| Governor | All speed, electronic. |
| Net power | |
| SAE J1995 | Gross: 268 kW (360 hp). |
| ISO 9249 / SAE J1349 | Net: 264 kW (354 hp). |
| Rated rpm | 1,900 rpm. |
| Fan drive type | Hydraulic. |
| Lubrication system | Gear pump. |
| Method | Forced lubrication. |
| Filter | Full flow. |

U.S. EPA Tier 3 and EU Stage 3A emissions certified (equivalent).

## Final drives

Double-reduction final drive with planetary and straight-tooth spur to increase tractive effort. Segmented bolt-on drive sprocket for easy replacement.

## Steering system

PCCS controlled levers for all directional movements. To move the machine forward, the joystick is pushed forward. To move it rearward, the joystick is reversed. To make a left or right turn, the joystick is pushed left or right, as required.

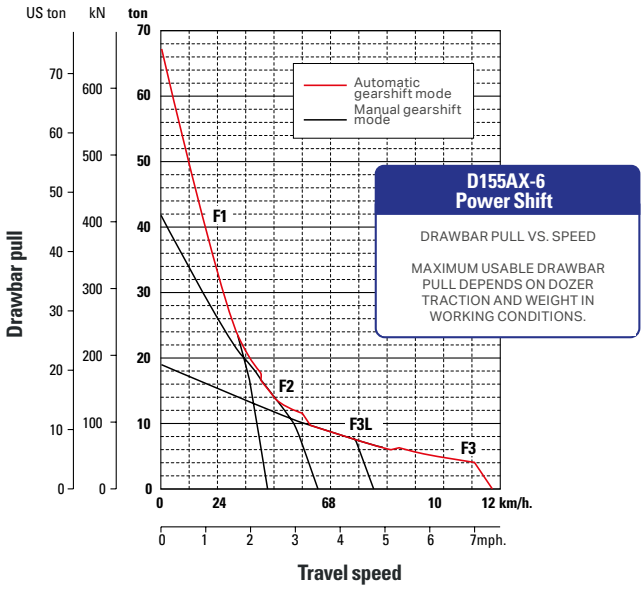
Steering planetary units and independent pump and hydraulic motor power the Hydrostatic Steering System (HSS). Counter-rotation turns are also available. Wet, multiple-disc, pedal-controlled brakes are spring actuated and hydraulically released. The gearshift lock lever also applies parking brakes.

| | |
|---|---|
| Minimum turning radius | 2.14 m / 7'0". |

## Transmission

Komatsu's automatic TORWFLOW transmission consists of a single-phase lockup torque converter, one stage, 3 elements, water-cooled and a planetary gear with multiple-disc clutch transmission, hydraulically actuated and force-lubricated for optimal heat dissipation. Gearshift lockup lever and neutral safety switch prevent machine from accidental starts.

| Travel speed | Forward | Reverse |
|---|---|---|
| 1st | 3.8 km/h / 2,4 mph | 4,6 km/h / 2.9 mph |
| 2nd | 5.6 km/h / 3,5 mph | 6,8 km/h / 4.2 mph |
| 3rd | 7.5 km/h / 4,7 mph | 9,2 km/h / 5.7 mph |
| 3th | 11.6 km/h / 7,2 mph | 14 km/h / 8.7 mph |



# Specificacions

### Undercarriage

| | |
|---|---|
| Suspension | Oscillation type with equalizer bar and front mounted pivot shafts. |
| Track roller frame | Monocoque, high-tensile strength steel construction. |
| K-Bogie undercarriage | Lubricated low track rollers are resiliently mounted on the track frame with a bogie suspension system. Rubber pads cushion the oscillation movement.. |
| Track shoes | Lubricated chains. Unique dust joints to prevent entry of foreign abrasive materials into clearance between pin and bushing thus extending useful life. A manual grease pump adjusts track tension easily. |
| Number of shoes (per side) | 42 |
| Grouser height | 80 mm / 3.1". |
| Shoe width (standard/maximum) | 560 mm / 22" - 710 mm / 28". |
| Ground contact area | 36,680 $cm^2$. (5,685 $plg^2$.) |
| Ground pressure (tractor only) | 82.4 kPa / 0.84 $kg/cm^2$ 11.9 psi. |
| Number of low rollers (each side) | 7 |
| Number of top rollers (each side) | 2 |

### Coolant and lubricant capacity (refill)

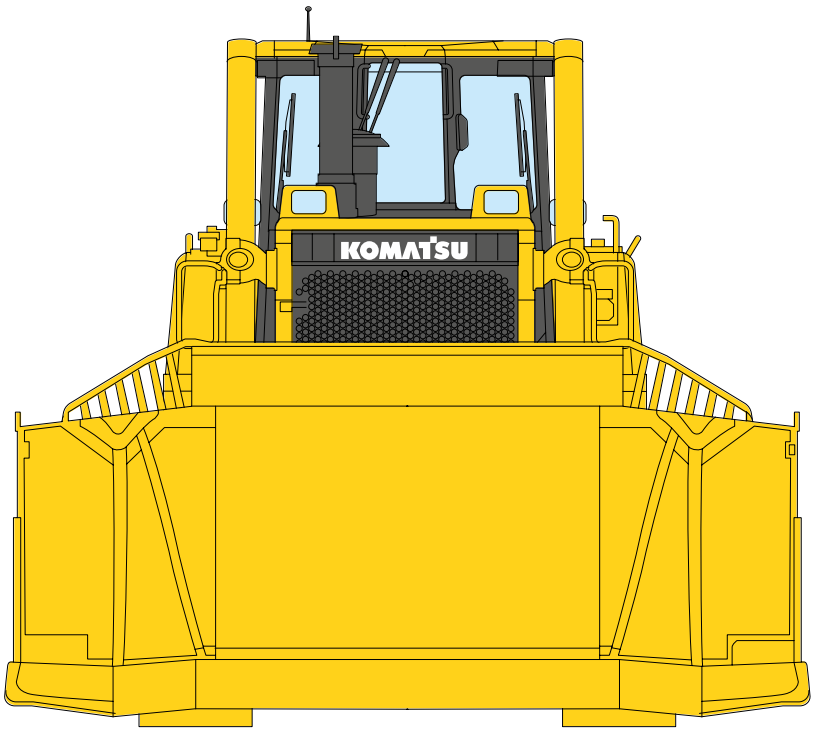
| | |
|---|---|
| Fuel tank | 625 L / 165 US gal. |
| Coolant | 82 L / 21.7 US gal. |
| Engine oil | 37 L / 9.8 US gal. |
| Damper | 1.5 L / 0.4 US gal. |
| Transmission, bevel gear and stearing system | 90 L / 23.8 US gal. |
| Final drives (Each side) | 31 L / 8.2 US gal. |

### Operating weight

| | |
|---|---|
| Tractor weight<br>*Including rated capacity of lubricants, coolant, full fuel tank, operator and standard equipment. | 31,000 kg (68,350 lb). |
| Operating weight<br>*Including strengthened SIGMADOZER, giant ripper, ROPS cab, operator, standard equipment, required levels of lubricant and coolant and full fuel tank. | 39,500 kg (87,100 lb). |
| Ground pressure | 106 kPa / 1.08 $kg/cm^2$ / 15.4 psi. |

## Dimensions

| | | |
|---|---|---|
| A | 4,060 mm. | 13'4" |
| B | 2,140 mm. | 7' |
| C | 3,385 mm. | 11'1" |
| D | 1,850 mm. | 6'1" |
| E | 3,275 mm. | 10'9" |
| F | 8,225 mm. | 27' |
| G | 2,745 mm. | 9' |
| H | 1,240 mm. | 4'1" |
| I | 950 mm. | 3'1" |
| J | 3,395 mm. | 11'2" |




Ground clearance: **500 mm / 1' 8"**

## Dimensions

| | | |
|---|---|---|
| A | **4,060 mm.** | 13′4″ |
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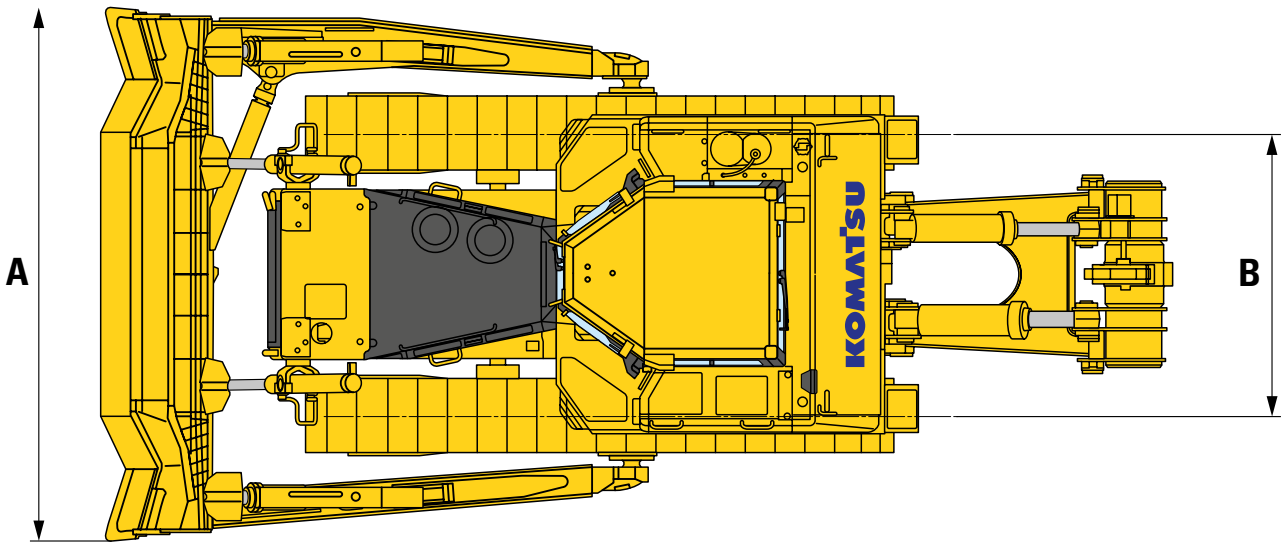

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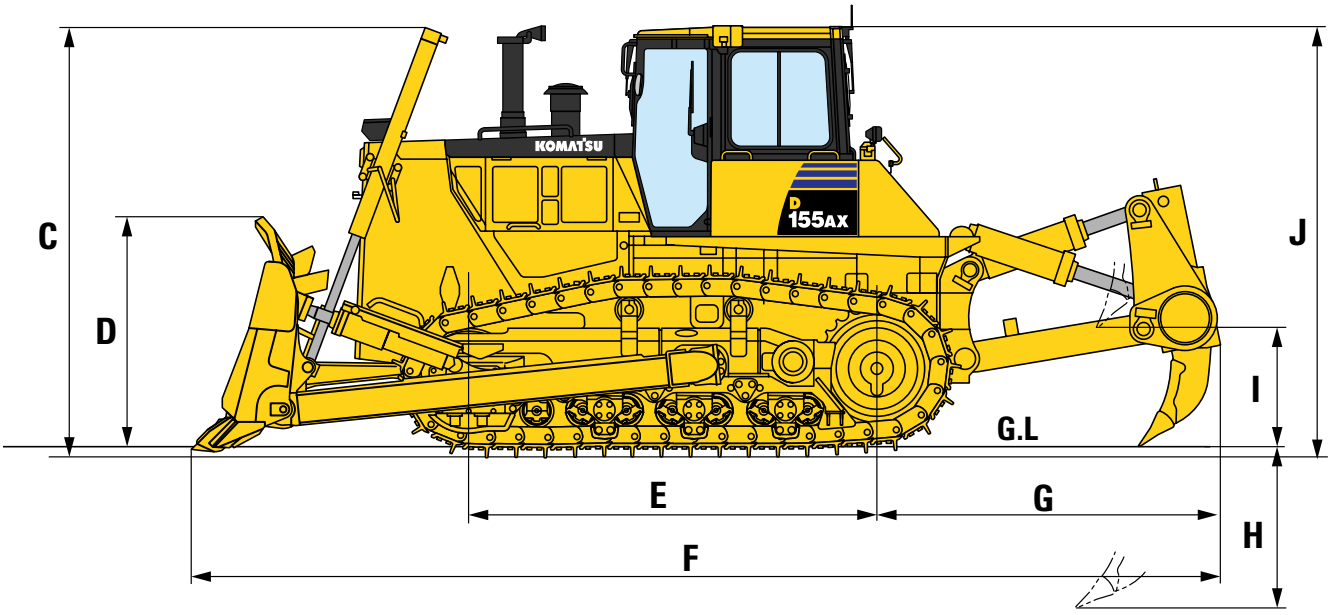

# Specificacions

## Hydraulic system

Closed-Center Load Sensing System (CLSS) designed for accurate control, more effective response and more efficient simultaneous operation.

**Hydraulic control unit:**
All spool control valves externally mounted beside the hydraulic tank.
Pistons variable pump with capacity of 325 ltr/min – 85.9 US gal/min (discharge flow) for steering and 180 ltr/min - 47.6 US gal/min for implements at rated engine rpm.
Relief valve setting:

| | |
|---|---|
| For implements | 27.5 MPa / 280 kg/cm$^2$ - 3,980 psi. |
| For steering | 38.2 MPa / 390 kg/cm$^2$ - 5,550 psi. |

**Control valves:**
Sigmadozer control valves, 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 necessary for variable digging angle of multi-shank ripper and giant ripper.

**Positions:**

| | |
|---|---|
| Ripper lift | Raise, hold and lower. |
| Blade lift | Increase, hold and decrease. |
| Hydraulic cylinders | Double-acting piston. |

| | Number of cylinders | Bore |
|---|---|---|
| Blade lift | **2** | **110 mm /** 4.33" |
| Blade lift | **1** | **160 mm /** 6.30" |
| Ripper lift | **1** | **180 mm /** 7.09" |
| Ripper lift | **1** | **200 mm /** 7.87" |

**Hydraulic oil capacity (Refill):**

| | |
|---|---|
| Semi-U tilt dozer | 85 L / 22.5 US gal. |
| U-tilt blade | 85 L / 22.5 US gal. |

**Ripper equipment (Additional volume):**

| | |
|---|---|
| Multi-shank ripper | 37 L / 9.8 US gal. |
| Giant ripper | 37 L / 22.5 US gal. |

## Dozer equipment

Moldboard of high-tensile strength steel for strengthened blade construction. Blade's hydraulic tilt hose piping mounted inside the dozer push arm to prevent damage.

| | Overall length with dozer | Blade capacity | Blade length x height | Maximum lift above ground | Maximum drop below ground | Maximum tilt adjustment | Aditional weight |
|---|---|---|---|---|---|---|---|
| Sigmadozer | **6,125 mm.** 20'1" | **9.4 m$^3$.** 12.3 yd$^3$. | **4,060 mm. x 1,850 mm.** 13'4" x 6'1" | **1,320 mm.** 4'4" | **617 mm.** 2' | **920 mm.** 3' | **4,940 kg.** 10,890 lb. |
| Strengthened Sigmadozer | **6,125 mm.** 20'1" | **9.4 m$^3$.** 12.3 yd$^3$. | **4,060 mm. x 1,850 mm.** 13'4" x 6'1" | **1,320 mm.** 4'4" | **617 mm.** 2' | **920 mm.** 3' | **5,360 kg.** 11,820 lb. |
| Semi-U tilt dozer | **6,175 mm.** 20'3" | **9.4 m$^3$.** 12.3 yd$^3$. | **4,130 mm. x 1,790 mm.** 13'7" x 5'10" | **1,255 mm.** 4'1" | **593 mm.** 1'11" | **953 mm.** 3'1" | **4,960 kg.** 10,936 lb. |
| Full-U tilt dozer | **6,590 mm.** 21'7" | **11.9 m$^3$.** 15.6 yd$^3$. | **4,225 mm. x 1,790 mm.** 13'10" x 5'10" | **1,255 mm.** 4'1" | **593 mm.** 1'11" | **970 mm.** 3'2" | **5,630 kg.** 12,420 lb. |
| Angle dozer | **6,743 mm.** 22'1" | **4.6 m$^3$.** 6.0 yd$^3$. | **4,850 mm. x 1,205 mm.** 15'11" x 3'11" | **1,562 mm.** 5'1" | **664 mm.** 2'2" | **520 mm.** 1'8" | **5,170 kg.** 11,400 lb. |

## Standard equipment

**Engine**
- Air cleaner, double element with dust indicator.
- Cooling fan.
- Radiator with reserve tank.
- Air prefilter mounted on engine hood.

**Electric system**
- Alternator, 90A/12V.
- Big battery.
- Starting motor, 11 kW/24.
- Battery switch A/C.

**Powertrain and controls**
- Hydrostatic steering system (HSS).
- Palm lever steering control.

**Undercarriage**
- Track-shoe assembly lubricated and sealed.
- Extra heavy-duty shoe 560 mm / 22".

**Cab**
- AM/FM Radio Cassette (AMER).
- Adjustable fabric seat with swivel suspension and high backrest.
- Decelerator pedal.
- Warning horn.

**Lighting system**
- Ripper light.
- Lighting system (includes 2 front and 2 rear).
- Additional working light mounted on front cab (front and rear).

**Guards and covers**
- Platform guard.
- Fenders.
- Rear cover.
- Track roller guards end sections.
- Underguards, oil pan and transmission.
- Muffler with rain cap.
- Protector against spills, 30 cm (dump box).

**Safety equipment**
- Caps and covers with locks.

**Configuration**
- Double tilt specification.

**Hydraulics and controls**
- Hydraulics for giant ripper digging angle.
- Hydraulics for dozers.
- Semi-U tilt dozer strengthened.
- Giant ripper, standard digging angle.

**Service and maintenance equipment**
- Color monitor.
- Rear view monitoring system.
- KOMTRAX with ORBOCOMM (satellite communication package).
- VHMS with satellite communication package.
- Quick fuel refill provision.

**Other**
- Decal - Spanish.
- Tool kit.
- General spare parts.

## Optional equipment

**Electric system**
•Battery 2 x 12 volts 170-Ah.
•Alternator 60A / 24V.

**Lighting system**
•Working lights - rear, left and right sides.
•Fog lights.
•Reverse light.

**Cab**
•Adjustable swivel suspension seat.

**Safety**
•Anti-Slip Regulator (ASR).
•Rear view camera and monitor.

**Dump box**
•Platform guard, right side.
•Unheated box (with muffler).
•Spill protector 150mm / 6".

**Other**
•Simple grouser 560 mm / 22".
•Manual.
•Less rear equipment.
•Decal - English.
•Hydraulic for tilt dozer.
•Air conditioner.
•Back up alarm.
•Heater and defroster.
•Engine side covers.
•Rear view monitoring system.
•Rigid drawbar.

**Shoe**

| Shoe (optional) | Additional weight | | Ground contact area | |
|---|---|---|---|---|
| **560 mm** / 22" Single-grouser shoe | **-0 kg** | -0 lb | **36,680 cm²** | 5,685 in² |
| **610 mm** / 24" Single-grouser shoe | **+200 kg** | +440 lb | **39,955 cm²** | 6,193 in² |
| **660 mm** / 26" Single-grouser shoe | **+410 kg** | +950 lb | **43,230 cm²** | 6,700 in² |
| **710 mm** / 28" Heavy-duty shoe | **+620 kg** | +1,370 lb | **46,505 cm²** | 7,208 in² |
| **560 mm** / 22" Heavy-duty shoe | **+460 kg** | +1,015 lb | **36,680 cm²** | 5,685 in² |
| **610 mm** / 24" Heavy-duty shoe | **+700 kg** | +1,545 lb | **39,955 cm²** | 6,193 in² |
| **660 mm** / 26" Heavy-duty shoe | **+900 kg** | +2,070 lb | **43,230 cm²** | 6,700 in² |

# Satellite monitoring system

KOMTRAX

KOMTRAX is a revolutionary machine tracking system designed to save time and money. Now you can monitor your equipment anytime and anywhere. This valuable information, received via the KOMTRAX website, can be used to optimize planning of maintenance and performance of the equipment.

**Features**

### Location

KOMTRAX utilizes and satellite positioning network to report the place of location of your machine.

### Geofence

Jointly with their Komatsu Distributors, the owners of the equipment can customize geofencing to receive warnings anytime the machine enters or leaves the defined operating area.

### Service meter reading

Daily report of the working hours of the equipment useful to schedule maintenance activities and change of components.

### Komtrax operational maps

The operational maps show the daily hours of operation of each machine and whether workers are completing their jobs within the stipulated time frames.

### Fuel consumption

Shows the fuel level at the end of the work shift.

### High level of water temperature

Constant log of the increase of water temperature and report at the end of each day.

### Warnings

A warning light in the cab panel indicates that a fault has occurred. From the website, it is possible to determine the reason, time and registration number of the fault.

### Codes of faults

Codes of faults are transmitted to the Komatsu Distributor for troubleshooting before the technicians arrive in the workplace. As well, a notification including the corresponding code is emailed.

### Notification of maintenance replacements

The system generates notifications to advise that some elements like filters and oil need to be replaced.

### Equipment key hours

Detailed information on key hours for the machine, such as excavation, travel, digging, release and lift is useful to monitor and compare performance, working hours and idling hours.

### Load frequency

Information on the load factor of the machine to know whether light, medium or heavy-duty.

### Anti-theft engine lock

KOMTRAX has a system to lock/unlock the engine of the machine to operate only on the days and hours and within the areas defined to that effect.

### Fuel consumption

The new Komatsu equipment shows actual fuel consumption and average hourly fuel consumption during the working period.

### Monthly and annual data reports

KOMTRAX summarizes all critical data about the system. This information is most helpful to analyze fleet usage, equipment programming, future purchases of equipment, work costs, etc.

### Payload meter

Payload Meter (PLM) indicates total tons loaded during the day. It also counts overloading cycles and loading times.

**Contact your Komatsu Distributor about available information for your model and service availability in your country.**

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