



WHEEL LOADER





NET HORSEPOWER 290 HP @ 1600 rpm 216 kW @ 1600 rpm **OPERATING WEIGHT** 56,240 - 60,400 lb 25,510 - 27,397 kg **BUCKET CAPACITY** 5.5 – 6.0 yd³ 4.2 – 4.6 m³

WALK-AROUND



Photos may include optional equipment. WA475-10 Yard Loader shown.

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PERFORMANCE, DURABILITY AND FUEL ECONOMY

New KHMT Transmission

Komatsu SmartLoader Logic helps reduce fuel consumption with no decrease in production.



A powerful Komatsu SAA6D125E-7 engine provides a net output of 216 kW 290 HP with 17% improved fuel consumption. This engine is EPA Tier 4 Final emissions certified.

Variable Geometry Turbocharger (VGT) uses a hydraulic actuator to provide optimum air flow under all speed and load conditions.

Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR) systems reduce particulate matter and NOx while providing automatic regeneration that does not interfere with daily operation.

Variable displacement piston pumps with CLSS provides quick response and smooth operation to maximize productivity.

Rearview monitoring system (standard)

Advanced diagnostic system continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Cooling

- · Hydraulically driven, variable speed
- · Auto-reversing fan is standard
- · Wider core coolers resist clogging
- Swing out fan for easy cleaning

Remote boom and bucket positioners can set kick-outs from inside the cab.

Economy & Productivity

- Komatsu Hydraulic Mechanical Transmission (KHMT)
- Optimized control system of KHMT
- 8% increase in breakout force
- · 20% increase in boom lift force
- · New bucket design

Easy Operation

- Independent work equipment control
- Travel speed control dial
- Auto hill holding function
- Automatic digging system

Operator Environment

- · Large front and rear glass with high visibility
- New 5-way adjustable console
- · Command selector for intuitive monitor operation
- · User interface preferred switch layout
- · Powered adjustable rearview mirror with heater

Easy Maintenance

- Powered tiltable engine hood
- · Engine hood side covers for daily maintenance
- · Improved maintainability of components

Convenience Features

- Tie-offs
- · LED headlamps and work equipment lights

Ecology

 Komatsu's proven U.S. EPA Tier 4 Final emission regulations-compliant engine

Durability & Reliability

· High reliability Komatsu components

Information and Communication Technology (ICT)

KOMTRAX®

Komatsu Auto Idle Shutdown helps reduce idle time and operating costs.

PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

U.S. EPA Tier 4 Final Engine

The Komatsu SAA6D125E-7 engine is U.S. EPA Tier 4 Final emissions certified and provides exceptional performance while reducing fuel consumption. It is based on Komatsu proprietary technologies developed over many years.

Technologies Applied to New Engine Heavy-duty aftertreatment system

This new system combines a Komatsu Diesel Particulate Filter (KDPF) and SCR. The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into H₂O and N₂.



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

The system recirculates a portion of exhaust gas into air intake and lowers combustion temperatures, thereby

reducing NOx emissions. Furthermore, while EGR gas flow is increased, by incorporating a high-efficiency and compactly designed cooling system, the system achieves a dynamic reduction of NOx, while helping reduce fuel consumption.





Electronic control system

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle and engine to ensure total control of equipment in all conditions of use. Conditions of the engine are displayed via an on-board network on the monitor inside the cab, providing necessary information to the operator. Furthermore, managing the information via KOMTRAX helps customers engage in appropriate maintenance.

Variable Geometry Turbocharger (VGT) system

The VGT system features Komatsu design hydraulic technology for variable control of air-flow and supplies optimal air according to load conditions. The upgraded version realizes better exhaust temperature management.



Heavy-duty High-Pressure Common Rail (HPCR) fuel injection system

The system is designed to achieve an optimal injection of high-pressure fuel digitally, thereby bringing near complete combustion to reduce PM emissions.



Komatsu SmartLoader Logic

The WA475-10 provides Komatsu SmartLoader Logic, an engine control system. This technology creates enough torque for each work phase. For example, engine torque needs are higher for digging in V-shape loading, but less when driving with an empty bucket. This system optimizes the engine torque for all applications to minimize fuel consumption. Komatsu SmartLoader Logic functions automatically and doesn't interfere with operation, saving fuel without decreasing production.

Komatsu Auto Idle Shutdown

In order to reduce idle time, Komatsu offers Komatsu Auto Idle Shutdown. This function will shut the engine off and apply the parking brake and hydraulic lock after a preset idle time limit. This time limit can be set by the operator or service technician and may range from 3 minutes to 60 minutes.



Dual-mode Engine Power Select System

This wheel loader offers two selectable operating modes — Economy and Power.

Achieve low fuel consumption

E mode suppresses wasteful acceleration, while maintaining the same bucket fill rates and climbing speed.

Bucket filling rate is same as P mode

When digging, rim pull force is automatically adjusted to provide sufficient rim pull force so the bucket filling rate is the same as it would be in P mode.

• Climbing speed is same as P mode

When driving, if a decrease in acceleration is detected, the rim pull force will automatically and smoothly change so max vehicle speed will be the same as it would be in P mode.



Variable Displacement Piston Pump & CLSS

The variable displacement piston pump combined with the Closed-center Load Sensing System (CLSS) delivers hydraulic flow just as the job requires preventing wasted hydraulic flow. Minimized loss contributes to better fuel economy.



PERFORMANCE FEATURES

Komatsu Hydraulic Mechanical Transmission (KHMT)

Fuel economy is greatly improved with the KHMT without losing productivity.





* Compared with WA470-8.





New Bucket Design

The newly designed bucket helps to improve overall machine productivity. Generous curves on the side wall and wrap improve pile penetration and make it easy to fill. Material retention is improved in carry operations.



Optimized Control System of KHMT

The control system of the KHMT comprehensively judges the machine condition and the loads during operation. It controls the engine speed, and the distribution of engine power automatically to promote optimized acceleration, traction and power for the work equipment, while maintaining a lower, more constant engine speed. In addition, an operator can control the machine intuitively and help achieve optimal operation easily. As a result, the WA475-10 has high productivity, low fuel consumption and helps reduce operator fatigue operator fatigue.

Breakout Force (by Lift Cylinder)

Breakout Force may be increased by up to 8% compared to the WA470-8. Boom lift force may be increased by up to 20% compared to the WA470-8.



Helps eliminate waste and improve efficiency

• High-performance load meter NEW

Load meter accuracy has been improved with more convenient functionality



24.0

Weight in the bucket can be taken by simply pressing a switch.

• Dump monitoring

Allows for real time monitoring of the weight of any material in the bucket after dumping.

• Easy

Calibration can be done with onsite materials and truck scale. Empty bucket calibration can be done anytime. Dedicated weight for calibration is no longer needed.



EASY OPERATION

Independent Work Equipment Control

Simple Operation for Work Equipment

The operator no longer needs to use the accelerator to speed up the work equipment controls. The work equipment speed is now controlled with the levers only.

•Work equipment control levers



- Accelerator pedal
- Brake pedal





Movie for this feature



Easy Approach

Since operator can control work equipment speed only with levers, they can easily operate work equipment and travel. Operator can easily approach dump truck with no dragging of the brake, thus fuel economy is improved.



Travel Speed Control Dial

The operator can control can control max. travel speed with travel speed control dial. It makes various operations such as V-shape, travel on level ground and downhill easier.





•When traveling downhill

The operator can control the downhill travel speed with the dial. Load spillage is reduced by smooth deceleration. Axle overheating is also prevented because of the reduced need for using the brake pedal.



Auto Hill Holding Function

This function prevents the machine from rolling back on uphill applications such as stock piling operation even if the operator does not apply the brake pedal. It makes operation easier and the operator is less fatigued.



Automatic Digging System

The automatic digging system actuates the bucket tilt and lifting operations by detecting the sensing pressure applied to the work equipment. This system can alleviate operator fatigue and realize the ideal load capacity. The ON/OFF changeover can be done on the R.H. front switch panel easily.



Max. Traction Switch

Even when the traction control is ON, the operator can increase the rim pull simply by pressing the Max. Traction Switch. The rim pull can be controlled easily during operation.

Max. Traction Switch



Remote Bucket & Boom Positioner with Shockless Stop Function

The operator can set the bucket angle and remote boom positioner from the cab. Once the positioner is set, the bucket is smoothly stopped at the desired position with less shock.

Electronically Controlled Suspension System

The Electronically Controlled Suspension System or ride control system uses an accumulator which absorbs some of the shock in the boom arm, giving the operator a much smoother ride. This reduces operator fatigue and reduces material spillage during load-and-carry operations.

OPERATOR ENVIRONMENT



Newly Designed Cab

A pressurized, large, four-post cab provides a quiet operator environment with impressive visibility. Visibility is improved by adding a lower glass area and eliminating the rear pillars. This contributes to comfortable operation together with the newly designed console. In addition, the outside air intake type, fully automatic, large-capacity air conditioner is installed as standard, keeping the inside of the cab comfortable all year round.

Exceptional Visibility

The interior is newly designed and a glass area is added to the lower position of the front corner of the cab and side door. The areas around the wheels can now be visually checked easily.



Command Selector

Command selector makes user menu control intuitive. Frequent access can be registered to the shortcut switch.





5-way Adjustable Console and Integrated Switches

To suit various types of operator posture during operation, the following have been added: console tilt, armrest tilt, armrest swing, as well as fore/aft and armrest height has been added. Switches for frequent use during operation (Horn Switch, Parking Brake Switch, Travel Speed Control Dial, Air Conditioner Switch, Working Lamp Switch, Directional Selector Switch, etc.) are integrated into R.H. console and front pillar. The operator can access these switches without changing posture.





New Operator Seat

The operator seat dampens vibrations from the machine, and provides a comfortable ride for the operator. In addition, the operator is less fatigued after long hours of operation thanks to the seat adjustment function which can be customized to the operator.



Advanced Joystick Steering System (AJSS)

Minimize operator fatigue with the advanced joystick steering system (AJSS) that provides precise wrist and finger steering and control, even during full speed travel.



Storage Space, AUX and Power Outlet (R.H.)

•Smartphone holder with USB Charging Port •Various connectors

- 1AUX 212V 3USB
- Storage space
- (Operation and Maintenance Manual pocket, magazine rack, tray)

Large Utility Space (L.H.)

A multi-purpose space is provided on the left side of the seat, featuring a drink holder and an area for a large cooler box on the floor.





Multifunction Audio

The cab is equipped with an AM/FM radio with AUX, USB and Bluetooth[®] wireless technology.

Electric Mirror with Heater

Electric mirrors can be adjusted with a switch in the cab.





MAINTENANCE FEATURES

Powered Tiltable Engine Hood

The engine hood can be opened and closed using an electric motor switch. The engine compartment is greatly improved and easy to maintain. The hood control switch

is located near the battery box on the left side of machine.



Swing-out Type Cooling Fan

Swing out type hydraulic cooling fan can be opened and closed with a single touch. The radiator can be cleaned from rear as well.



Auto Reversing Fan

The engine cooling fan is driven hydraulically. It can be set to reverse automatically during operation. Fan reverse mode and timing can be controlled through the monitor.

Easy Window Cleaning

Wide steps, a roof handrail and tie-off points are installed to provide easy window cleaning.



point of Tie-off





Steps

Roof handrail

Downtime Reduction

The aftertreatment devices and engine can be easily replaced by opening the engine hood. In addition, the cab can be easily replaced as well.



Fuel Prefilter

Engine oil filter

* Replaceable from engine hood side cover



Engine Hood Side Covers

The operator can access engine areas that are serviced every day from the engine R.H. and L.H. hood side covers. The side-by-side type radiator can be easily cleaned.





Air Cleaner

The air cleaner is located on the right side platform for easy access.



Battery Disconnect Switch

The battery disconnect switch is located in the right side

of the engine. This can be used to disconnect power when performing service work on the machine. This switch can be locked out by using a lock out hasp.



DEF Tank

The DEF tank is located on the right hand side of the machine behind a ladder for easy access. The inside of the cover has a holder for the DEF tank cap.



Maintenance Information

Maintenance time display



Aftertreatment devices regeneration display

Aftertreatment Devices Regeneration	⊕
A Regeneration Disable	長
🚽 🚉 Manual Stationary Regeneration	
Automatic regeneration in progress.	
	V

•Supports the DEF level and refill timing



DURABILITY & RELIABILITY

Komatsu Components

Komatsu manufactures the engine, Hydraulic Mechanical Transmission, hydraulic units, electric parts, and even each bolt on this wheel loader. Komatsu loaders are manufactured with an integrated production system under a strict quality control program.



Wet Multiple-disc Brakes and Fully Hydraulic Braking System

Wet multiple-disc brakes are fully sealed. Contaminants are kept out, reducing wear and resulting maintenance. Brakes require no adjustments for wear, meaning lower maintenance costs and higher reliability. The parking brake is also adjustment-free, with wet multiple-disc for high reliability and long life. Added reliability is designed into the braking system by the use of two independent hydraulic circuits, providing hydraulic backup should one of the circuits fail. Fully hydraulic brakes mean no air system to bleed and no condensation of water in the system that can lead to contamination, corrosion, and freezing.

Cation Electrodeposition Primer Paint/Powder Coating Final Paint

Cation electrodeposition paint is applied as a primer paint and powder coating is applied as topcoat to the exterior metal sheet parts. This process results in a beautiful rust resistant machine, even in the most severe environments. Some external parts are made of plastic providing long life and high impact resistance.

High-rigidity Frames and Loader Linkage

The front and rear frames and the loader linkage have more torsional rigidity to provide increased resistance to stresses. The frames and loader linkage are designed to accommodate actual working loads, and simulated computer testing proves their strength.



Flat Face-to-face O-ring Seals

Flat face-to-face O-ring seals are used to securely seal hydraulic hose connections and to prevent oil leakage. In addition, buffer rings are installed to the head side of the all-hydraulic cylinders to lower the load on the rod seals and maximize the reliability.





Sealed Connectors

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



High Resolution 7-inch Color Liquid Crystal Display (LCD) Monitor

The machine monitor displays various machine information and allows for various settings of the machine. The monitor is a 7-inch color LCD monitor displays maintenance information, operation record, Ecology guidance record, etc. The command selector is used to select various screens. By using the command selector, you can display various user menus on the LCD screen and adjust the machine settings.

Machine monitor

- 1 LCD unit
- 2 LED unit
- 3 Engine tachometer
- 4 Speedometer
- 5 Shift lever position display
- 6 Travel speed control dial gauge
- 7 Traction level display
- 8 Pilot lamps

- 9 Engine coolant temperature gauge10 DEF level gauge
- Transmission oil temperature gauge
 Hydraulic oil temperature gauge
- Bruel gauge
- 1 Brake oil temperature gauge
- 15 Air conditioner display
- 16 Ecology gauge

Visual User Menu

Pressing the menu switch on the command selector displays the user menu screen. The menus are grouped for each function, and use easy-to-understand icons which enable the machine to be operated intuitively.



Machine Monitor with Troubleshooting Function to Minimize Downtime

Various meters, gauges and warning functions are centrally arranged on the machine monitor. The monitor simplifies start-up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities should occur.





Energy Saving Operation Ecology Guidance

In order to support optimum operation, the following guidance messages are displayed for fuel saving operation.

- 1) Excessive engine idling event
- 2) Hydraulic relief pressure event
- 3) Excessive digging event



The Ecology guidance menu enables the operator to check the operation record, fuel consumption history and Ecology guidance record by pushing the button. The records can be used to reduce the overall fuel consumption.

KOMATSU PARTS & SERVICE SUPPORT



KOMATSU CARE

Program Includes:

The WA475-10 comes standard with complimentary factory scheduled maintenance for the first 3 Years or 2,000 Hours, whichever comes first.

Planned Maintenance Intervals at:

500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA) / Travel & Mileage (distance set by distributor; additional charges may apply)

Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

Complimentary KDPF Exchanges

The WA475-10 comes standard with 2 Complimentary KDPF Exchange units for the first 5 Years or 9000 hours whichever comes first. The suggested KDPF Exchange unit service intervals are 4500 hours & 9000 hours. End user must have authorized Komatsu distributor perform the removal & installation of the KDPF.

Complimentary SCR Maintenance

The WA475-10 also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel Exhaust Fluid (DEF) system during the first 5 Years or 9000 hours whichever comes first. The service includes factory recommended DEF tank flush & strainer cleaning at the suggested service intervals of 4500 hours & 9000 hours.

Interval PM	i250	500	1000	1500	2000
CLEAN AC FRESH AND RECIRC AIR FILTERS	1				
REPLACE HYDRAULIC OIL FILTER ELEMENT	✓				✓
REPLACE TRANSMISSION OIL FILTER	✓		✓		✓
KOWA SAMPLING - (Engine, Front Axle, Rear					
Axle, Transmission, Hydraulics)	√	1	√	1	×
CHECK AND CLEAN FUEL BREATHER ELEMENT	✓	✓	✓	✓	✓
CHECK AND CLEAN AIR CLEANER	√	✓	✓	✓	✓
LUBRICATE REAR AXLE PIVOT PIN	1	~	✓	~	✓
LUBRICATE WORK EQUIPMENT	1	~	✓	~	✓
DRAIN WATER AND SEDIMENT FROM FUEL TANK	~	~	~	~	~
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	~	1	~	~	~
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	~	~	~	~	~
REPLACE AC FRESH & RECIRC AIR FILTER		~	✓	~	✓
CHANGE ENGINE OIL		~	✓	~	✓
REPLACE ENGINE OIL FILTER		~	✓	~	✓
REPLACE FUEL PRE-FILTER		√	✓	√	✓
REPLACE FUEL MAIN FILTER			✓		✓
CHANGE TRANSMISSION OIL			✓		✓
CLEAN TRANSMISSION OIL STRAINER			✓		✓
CLEAN TRANSMISSION BREATHER ELEMENT			✓		✓
REPLACE DEF TANK BREATHER			√		\checkmark
LUBRICATE CENTER HINGE PIN			✓		✓
LUBRICATE DRIVE SHAFT CENTER SUPPORT			✓		✓
CHANGE OIL IN HYDRAULIC TANK					✓
CLEAN HYDRAULIC TANK STRAINER					✓
REPLACE HYDRAULIC TANK BREATHER ELEMENT					~
CHANGE FRONT AND REAR AXLE OIL					✓
REPLACE DEF PUMP FILTER					✓
REPLACE KCCV FILTER					✓
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	✓	✓	✓
2 KDPF Exchanges suggested at 4,500 Hrs and 9	,000 -	lrs.			
2 SCR System Maintenance Services suggested at 4,500 Hrs. and 9000 Hrs.					

Komatsu CARE® – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs



Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction



Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

* Certain exclusions and limitations apply. Refer to the customer certificate for complete program details and eligibility. Komatsu® and Komatsu Care® are registered trademarks of Komatsu Ltd. Copyright 2019 Komatsu America Corp.

KOMTRAX EQUIPMENT MONITORING



- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX continuously monitors and records machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history lowering owning and operating cost



- Know when your machines are running or idling and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to know when maintenance is due and help you plan for future maintenance needs



- KOMTRAX data can be accessed virtually anywhere through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications



- Knowledge is power make informed decisions to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- Take control of your equipment
 any time, anywhere

 KOMTRAX is standard equipment

on all Komatsu construction products

<complex-block>



K@MTRAX Plus[®]

For construction and compact equipment.

For production and mining class machines.

SPECIFICATIONS

NGINE



Model	Komatsu SAA6D125E-7*
Туре	Water-cooled, 4-cycle
Aspiration	Turbo-charged, after-cooled, cooled EGR
Number of cylinders	
Bore	
Stroke	
Piston displacement	11.04 ltr 674 in³
Governor	All-speed, electronic
Horsepower:	
SAE J1995	Gross 217 kW 291 HP
ISO 9249 / SAE J1	349 Net 216 kW 290 HP
	Net horsepower at the maximum speed
	of radiator cooling fan is 208 kW 279 HP
Rated rpm	
Fan drive method for	radiator coolingHydraulic
Fuel system	Direct injection
Lubrication system:	
Method	Gear pump, force-lubrication
Filter	Full-flow type
Air cleaner	Dry type with double elements and

*EPA Tier 4 Final emissions certified

Transmission......Hydraulic Mechanical planetary type Measured with 26.5R25 tires

dust evacuator, plus dust indicator

Travel speed	Forward*	Reverse*
	3.0 - 38.0 km/h	3.0 - 28.0 km/h
	1.9-23.6 mph	1.9-17.4 mph

AXLES AND FINAL DRIVES

Drive system	Four-wheel drive
Front	Fixed, semi-floating
Rear	.Center-pin support, semi-floating,
	26° total oscillation
Reduction gear	Spiral bevel gear
Differential gear	Conventional type
Final reduction gear	Planetary gear, single reduction



Secondary brakeOne of dual service brake circuits is commonly used



STEERING SYSTEM

the center of outside tire 6630 mm 21' 9"

HYDRAULIC SYSTEM

Steering system:

Type.....Double-acting, piston type Number of cylinders......2 Bore x stroke95 mm x 441 mm **3.7" x 17.4"**

Loader control:

Number of cylinders—bore x stroke:

Lift cylinder
Bucket cylinder 1- 180 mm x 540 mm 7.0" x 21.2"
Control valve
Control positions:
BoomRaise, hold, lower, and float
Bucket Tilt-back, hold, and dump

Bucket..... lit-back, hold, and dump Hydraulic cycle time (rated load in bucket)

Raise	 	 5.6 S
Dump	 	 1.8 s
Lower (Empty)	 	 3.1 s

SERVICE REFILL CAPACITIES

Axle rear	U.S. gal U.S. gal U.S. gal U.S. gal U.S. gal U.S. gal U.S. gal U.S. gal
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CKET SELECTION GUIDE





WA475-10

7'7"



High Lift Boom 2314 mm 7'8" Width over standard tires Standard Boom 3060 mm 10' Width over 775/65R29 tires High Lift Boom 3150 mm 10'4" A Wheelbase 3450 mm 11'4" B Hinge pin height, Standard Boom 4370 mm 14'4" High Lift Boom 4870 mm max. height 16' C Hinge pin height, Standard Boom 580 mm 1'11' 2'4" carry position High Lift Boom 730 mm D Ground clearance 520 mm 1'8" E Hitch height Standard Boom 1200 mm 3'11" High Lift Boom 1230 mm 4' F Overall height, top of the stack 3450 mm 11'4" G Overall height, ROPS cab 3500 mm 11'5" H Overall height, top of roof rail 3540 mm 11'8"

Standard Boom 2300 mm

Tread

Measured with 26.5R25 (L-3) tires, ROPS/FOPS cab

		Standard Boom				High Lift Boom
		Stock Pile Bucket	Loose Material Bucket	Yard Loader Bucket	Light Material Bucket	Excavating Bucket
		Bolt-on Cutting Edge	Bolt-on Cutting Edge	Bolt-on Cutting Edge	Bolt-on Cutting Edge	Bolt-on Cutting Edge
	Bucket capacity: heaped	4.2 m³ 5.5 yd ³	4.4 m³ 5.8 yd ³	4.6 m³ 6.0 yd ³	5.2 m³ 6.8 yd ³	3.8 m³ 5.0 yd ³
	struck	3.6 m ³ 4.7 yd³	3.9 m ³ 5.1 yd³	4.0 m ³ 5.2 yd ³	4.5 m ³ 5.9 yd³	3.2 m ³ 4.2 yd³
	Bucket width *with bucket side guard	3170 mm 10'5''	3170 mm 10'5''	3185 mm* 10'6"	3185 mm* 10'6''	3185 mm* 10'6"
	Bucket weight	2196 kg 4,841 lb	2290 kg 5,048 lb	2369 kg 5,223 lb	2475 kg 5,456 lb	2108 kg 4,647 lb
Н	Dumping clearance, max. height and 45° dump angle*	3075 mm 10'1"	3045 mm 10'0''	3010 mm 9'11"	2925 mm 9'7''	3645 mm 12'0''
I	Reach at max. height and 45° dump angle*	1350 mm 4'5''	1380 mm 4'6''	1410 mm 4'8''	1495 mm 4'11''	1460 mm 4'9''
J	Reach at 2130 mm 7' clearance and 45° dump angle*	2020 mm 6'7''	2035 mm 6'8''	2045 mm 6'9''	2090 mm 6'10''	2510 mm 8'3''
K	Reach with arm horizontal and bucket level*	2935 mm 9'70''	2975 mm 9'9''	3015 mm 9'10''	3135 mm 10'0''	3330 mm 10'11"
L	Operating height (fully raised)	6090 mm 19'11''	6135 mm 20'1"	6170 mm 20'3"	6270 mm 20'7''	6520 mm 21'4"
N	Overall length (bucket on ground)	9185 mm 30'2''	9225 mm 30'3"	9275 mm 30'5''	9395 mm 30'10"	9705 mm 31'10"
	Loader clearance circle (bucket at carry, outside corner of bucket)	15380 mm 50'5''	15400 mm 50'6''	15430 mm 50'7"	15500 mm 50'10''	15835 mm 51'11"
	Digging depth: 0°	105 mm 4.1 "	105 mm 4.1 "	105 mm 4.1"	105 mm 4.1 "	230 mm 9"
	10°	375 mm 1'3''	380 mm 1'3 "	385 mm 1'3"	405 mm 1'4''	480 mm 1'7 "
	Static tipping load: straight	20540 kg 45,283 lb	20190 kg 44,511 lb	22310 kg 49,185 lb	22030 kg 48,568 lb	18100 kg 39,820 lb
	40° full turn	17770 kg 39,176 lb	17455 kg 38,481 lb	19250 kg 42,439 lb	19000 kg 41,888 lb	15530 kg 34,238 lb
	Breakout force	197.2 kN 20110 kgf 44,332 lb	190 kN 19430 kgf 42,713 lb	184 kN 18800 kgf 41,455 lb	171 kN 17450 kgf 38,465 lb	206 kN 21049 kgf 46,405 lb
	Operating weight	25510 kg 56,239 lb	25600 kg 56,438 lb	27310 kg 60,208 lb	27420 kg 60,451 lb	27560 kg 60,759 lb
	Equipped with 775/65R29 tires	No	No	Yes	Yes	Yes

* At the end of tooth or B.O.C.E.

All dimensions, weights, and performance values based on SAE J732c and J742b standards. Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, and operator. Machine stability and operating weight affected by counterweight, tire size, and other attachments.

Apply the following weight changes to operating weight and static tipping load.



- 2-spool valve for boom and bucket control Alternator, 140 A
- Anchorage points

STANDARD EQUIPMENT

- Automatic hydraulic-driven fan with
- automatic reverse rotation Back-up alarm
- Batteries, 140 Ah/12V (2), 930 CCA
- Battery disconnect
- Boom Kick-out, in-cab adjustable
- Bucket Positioner, in-cab adjustable, 3 positions
- Color rear view camera and monitor
- Counterweight, standard and additional
- Electronically Controlled Suspension
- System (ECSS)
- Engine, Komatsu SAA6D125E-7 diesel
- Engine shut-off system, electric
- EPC fingertip controls with F-N-R switch, two levers
- Equipment Management Monitoring System (EMMS)
- Lights (central warning, brake oil pressure, engine oil pressure, parking brake, cooling fan reverse, KDPF restriction, seat belt caution, Komtrax message)
- Gauges (Engine water temperature, ecology, fuel level, DEF level, hydraulic oil temperature, speedometer/tachometer)

OPTIONAL EQUIPMENT

- 3-spool valve with lever and piping
- Advanced Joystick Steering (AJSS)
- Auxiliary steering (SAE)
- Cutting edge (bolt-on type)
- Engine oil and coolant heaters Engine pre-cleaner with extension

Front fenders with extensions

mirrors, outside (2) inside (2)

Komatsu SmartLoader Logic

Komatsu Auto Idle Shutdown

Lift cylinders and bucket cylinder

- Turn signal lamps, 2 front and 2 rear with

- Working lights, LED, 2 front cab mount

- Working lights, LED, 2 rear grill mount

Loader linkage with standard lift arm

- Working lights, LED, 2 front fender mount

Horn, electric

Lights

Integrated Load Meter

KOMTRAX® Level 5

- Back-up light, LED

hazard switch

Parking brake, electric

Rims for 26.5-25 tires

Radiator mask, swing out

Radiator, wider core

Rear full fenders

- Stop and tail light, LED

Fuel pre-filter with water separator

Heated and power adjustable rear view

- Hight lift boom
- Limited slip differential (F&R)

- ROPS/FOPS Cab Level 2
 - 2 x DC12V electrical outlets
- Ashtray
- Auto air conditioner
- Cigarette lighter, 24V
- Color LCD/TFT multi-monitor
- Cup holder - Floor mat
- Operator seat, reclining, air suspension type, heated
- Radio, AM/FM with AUX input jack
- Rear defroster, electric
- Seatbelt, 2-point retractable, 76 mm 3" width
- Space for Lunch box
- Steering wheel, tilt and telescopic
- Sun visor, front window
- Windshield washer and wiper, front with intermittent
- Windshield washer and wiper, rear
- Service brakes, wet disc type
- Starting motor, 7.5 kW
- Transmission KHMT infinitely variable with 4 forward/reverse virtual gear settings
- Vandalism protection kit, padlocks for battery box (2)
- Multifunction Monolever (MFML)
- Various tire options, radial and bias
- Various bucket options

AESS942-02

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Printed in USA

AD01(POD)

01/21 (EV-1)



Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.

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