

WHEEL LOADER



NET HORSEPOWER

529 HP @ 1800 rpm 395 kW @ 1800 rpm

OPERATING WEIGHT

122,136 – 126,678 lb 55,400 – 57,460 kg

BUCKET CAPACITY

8.4 - 10.2 yd³ 6.4 - 7.8 m³

WALK-AROUND



Photos may include optional equipment.

NET HORSEPOWER

529 HP @ 1800 rpm 395 kW @ 1800 rpm

OPERATING WEIGHT

122,136 – 126,678 lb 55,400 – 57,460 kg

BUCKET CAPACITY

8.4 - 10.2 yd³ 6.4 - 7.8 m³

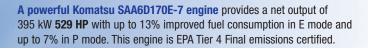


PERFORMANCE, DURABILITY AND FUEL ECONOMY

Large capacity torque converter with lock-up provides:

- Quick acceleration
- Lock-up in 2nd, 3rd and 4th gear

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



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 traction control system and modulated clutch system provide optimal tractive effort for all ground conditions.

Cooling

- Hydraulically driven, variable speed fan
- · Reversing fan is standard
- Wider core coolers resist clogging
- · Fan swings out for easy cleaning

Remote boom and bucket positioners allow kick-outs to be set from inside the cab.

Variable displacement piston pumps with Closed-center Load Sensing System (CLSS) provide 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.

Enhanced working environment:

- High capacity, heated, air suspension seat
- Seat mounted Advanced Joystick Steering System (AJSS) and Electronic Pilot Control (EPC) controls
- Two 12V power outlets

Redesigned style Komatsu bucket with liner and ground engagement tooling (GET) fills more easily and retains material better for increased productivity.

Full rear fenders with stairs and handrails are standard for both sides of the machine. The RH fender has a door for convenient access to daily maintenance points.



Large LCD color monitor panel:

- 7" high resolution, multi-color screen is easy to read
- Integrated load meter system displays payload data directly on the monitor panel
- Includes an ecology gauge and provides "Ecology Guidance" for greater fuel efficiency
- Onboard diagnostics do not require use of a laptop computer
- Easy-to-navigate menus allow operators to change settings, review machine performance records, and track periodic maintenance items.

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

KOMTRAX®

The KOMTRAX® telematics system is standard on Komatsu equipment with no subscription-fees throughout the life of the machine. Using the latest wireless technology, KOMTRAX® transmits valuable information such as location, utilization, and maintenance records to a PC or smartphone app. Custom machine reports are provided for identifying machine efficiency and operating trends. KOMTRAX® also provides advanced machine troubleshooting capabilities by continuously monitoring machine health.

KOMTRAX Plus® function expands machine monitoring capabilities to include component condition and trend data.

Advanced Joystick Steering System (AJSS) provides feedback so the machine steering angle is consistent with the steering joystick angle.

Operator Identification System can track machine operation for up to 100 operators.

PRODUCTIVITY & ECOLOGY FEATURES

VGT

KOMATSU NEW ENGINE TECHNOLOGIES Komatsu's New Emission Regulationscompliant Engine New regulations effective in 2014 require the reduction of NOx emissions to one tenth or below from the preceding regulations. In addition to refining the Tier 4 Interim technologies, Komatsu has

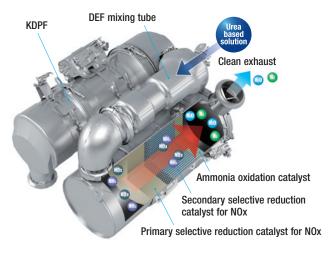
developed a new selective catalytic reduction (SCR)

Technologies Applied to New Engine

Heavy-duty aftertreatment system

device in-house.

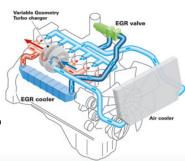
This new system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water vapor (H₂O) and nitrogen gas (N₂).



Heavy-duty cooled Exhaust Gas Recirculation (EGR) system

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

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



Electronic Control System

SCR

KDPF

The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle and engine. This ensures total control of equipment. Engine condition information is displayed on the monitor inside the cab, providing necessary information to the operator. Additionally, managing the information via KOMTRAX Plus helps customers keep up with required maintenance.

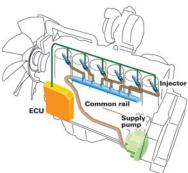
KCCV

Variable Geometry Turbocharger (VGT) system

The VGT system features
Komatsu designed
hydraulic technology
for variable control of airflow and supplies optimal air
according to load conditions.
The upgraded version provides
better exhaust temperature
management.



The system is designed to deliver an optimal injection of high-pressure fuel, thereby achieving near complete combustion to reduce particulate matter (PM) emissions.



Low Fuel Consumption

By optimally controlling engine power and creating a high efficiency power train and hydraulic system, new features on the WA600-8 reduce fuel consumption, while enhancing fuel efficiency.

Fuel consumption 13% in Economy mode

* Compared with the WA600-6, fuel consumption varies depending on working conditions

Komatsu SmartLoader Logic

The WA600-8 provides Komatsu SmartLoader Logic, an engine control system. This technology creates the right amount of 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.

Large-capacity Torque Converter

The Komatsu-designed power train has a large capacity torque converter for optimum efficiency. The WA600-8 has greater productivity in V-shape loading applications because the increased tractive effort does not require full throttle. The improved hill climbing ability allows the WA600-8 to up-shift gears faster because of improved acceleration. The WA600-8 can achieve higher gear ranges and maintain higher travel speed when working in load-and-carry applications. In most applications, production is increased and fuel consumption is reduced, resulting in improved fuel efficiency.

Enhanced Lock-up

The Komatsu designed torque converter with lock-up is standard on the WA600-8. The lock-up function activates in 2nd, 3rd and 4th gears. The lock-up torque converter is effective for both load-and-carry application and V-shape loading, which uses lower gears. Komatsu SmartLoader Logic reduces the clutch engagement shock of lock-up by controlling engine torque. The lock-up torque converter, combined with Komatsu SmartLoader Logic, results in low fuel consumption and high travel speeds in load-and-carry and even some cycle-loading applications.

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.

Automatic Digging System

New automatic digging system actuates the bucket tilt and

lifting operations by sensing the pressure applied to the work equipment. This system can alleviate operator's fatigue and optimize bucket fill.



Redesigned Komatsu Bucket

The redesigned Komatsu bucket provides improved productivity and durability. The bucket has a new shape with a deeper heel, extended spill guard and inclined floor that make the bucket easier to fill, retain material better and allows

improved visibility. Liner, Hensley® bolt-on teeth and lip segments, and double side guards are standard to accommodate the most demanding production cycles.



Two-mode Engine Power Select System

This wheel loader offers two selectable engine power modes

— Economy and Power.

 E Mode: This mode provides maximum fuel efficiency for general loading.

 P Mode: This mode provides maximum power output for hard digging operation or hill climbing.



Power mode selector switch

Komatsu Auto Idle Shutdown

In order to reduce idle time, Komatsu offers 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 three minutes to 60 minutes.



OPERATOR ENVIRONMENT



New Operator Seat with Electronic Pilot Control (EPC) Levers

A new heated, air suspension seat provides enhanced

support on rough roads and dampens machine vibrations, providing a more comfortable ride for the operator. An EPC lever console and advanced joystick steering lever are integrated in, and move with, the seat. The angle of the armrest is fully adjustable for optimum operator comfort.



Low Noise Design

The spacious cab is mounted with Komatsu's unique viscous mounts. The low-noise engine, hydraulically driven fan, and hydraulic pumps are mounted with rubber cushions, and the cab sealing is improved to provide a quiet, low-vibration, and comfortable operating environment. The cab is pressurized to minimize dust intrusion.

Operator's ear noise level	76 dB(A)
Dynamic noise level (outside)	113 dB(A)

Advanced Joystick Steering System (AJSS)

Advanced Joystick Steering System allows steering and directional selection to be controlled by wrist and finger control. With the feedback function, the machine steering

angle is exactly the same angle as the lever tilt angle.



Integrated Load Meter

The Komatsu integrated load meter system displays

payload data directly on the monitor panel. Payload data is also accessible remotely via KOMTRAX Plus.



Rear View Monitoring System

The dedicated full-color monitor on the right side of the cab provides the operator with a rear view of the machine. This monitor can be always on or only on when the loader shifts into reverse. Visual guidelines can also be added for more convenience.





Automatic Climate Control System

The automatic climate control system allows the operator to easily and precisely set the cab temperature using the large LCD color monitor panel. The bi-level control function

improves air flow and keeps the inside of the cab comfortable throughout the year.



Seat Belt Caution Indicator

A warning indicator on the monitor appears when the seat belt is not engaged.





Large Pillar-less Cab with ROPS/FOPS

The ROPS/FOPS Cab is standard for operator's safety. A wide pillar-less flat glass window provides excellent front visibility. A heated rear window provides excellent rear visibility in cold weather conditions.

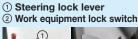
ROPS (ISO 3471): Roll-over Protective Structure FOPS (ISO 3449): Falling Objects Protective Structure



Standard Equipment

Lunch box tray







Hot or cool box



Secondary engine shutdown switch



① Auxiliary input (MP3 jack) ② 12 V outlets



Parking brake switch



OPERATOR ENVIRONMENT

Automatic Transmission

Automatic transmission with electronically controlled modulation valve automatically selects the proper gear speed, based on travel speed, engine speed and other travel conditions. The electronically controlled modulation valve system engages the clutch smoothly to prevent lags and shocks when shifting. This system provides efficient machine operation and a comfortable ride.

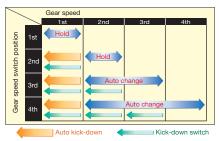
Mode Select System

This operator controlled system allows the operator to select manual shifting or automatic shifting.

Auto Kick-Down

Downshifting from second to first speed range can be done automatically without pushing the kick-down switch when beginning digging cycle. It automatically upshifts from first to second when the direction control lever is placed in reverse. This results in easy operation, increased rim pull for better bucket penetration and reduced cycle times for

higher productivity. It can be changed to manual control by the kick-down switch setting through the monitor.



Hold Switch

When in automatic shifting mode, the hold switch can be used to hold the speed range at 3rd or 4th gear position for uphill travel.

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 no shock. Both the upper and lower boom positions are adjustable in the cab with the push of a button.

Work Equipment Shock Reduction Control

Stroke-end shock of the work equipment can be customized to reduce operator fatigue and accommodate different loading applications (i.e. loose material). There are

four settings (Low, Medium, High and Off). The operator can easily choose one through the monitor panel.



Engine RPM Set System with Auto Deceleration

Engine low idle RPM can be easily preset using a push button switch. The system also provides auto deceleration for better fuel consumption.



- 1 Hold switch
- 2 Kick-down switch
- 3 Variable traction control dial
- 4 Auto shift selector switch
- 5 Remote positioner switch
- 6 RPM set switch

Variable Traction Control System

In limited traction situations, where the operator wants to

avoid tire slippage (such as sandy or muddy ground operation) the operator can activate the variable traction control system. The optimum rim pull (F1) is controlled by adjusting the control knob from 100% to 20%.



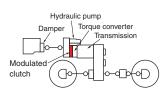
Modulated Clutch System

The modulated clutch system controls the tractive effort with the left brake pedal from 100% to 20% of the converter output torque.

- Useful for smooth speed reduction when approaching dump trucks for loading.
- · Easy control of tire slippage.
- Reduction of shocks in shifting from forward to reverse.







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. The electronically controlled suspension system is speed sensitive; this ensures that the boom cushioning function doesn't interfere with stationary digging.

TECHNOLOGY

High Resolution 7-inch Color 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 and displays maintenance information, operation records, ecology guidance records, etc. The switch panel is used to select various screens and the air conditioner control screen. By using the switch panel, you can display various user menus on the LCD screen and adjust machine settings.

11 Fuel gauge

13 Pilot lamps

12 Message pilot lamp

14 DEF level gauge

Machine monitor

- 1 LCD unit
- 2 LED unit
- 3 Engine tachometer
- 4 Speedometer
- 5 Ecology gauge
- 6 Air conditioner display
- 7 Shift indicator

Switch panel

1 Air conditioner switches / Numeral key pad

Punction switches

8 Engine coolant temperature gauge

10 Torque converter oil temperature gauge

9 Hydraulic oil temperature gauge

Visual User Menu

Pressing the menu switch on the switch panel displays the user menu screen. The menus are grouped for each function and easy-to-understand icons enable intuitive machine operation.



Energy Saving Operation Ecology Guidance

In order to support optimum operation, an easy-to-read "Ecology gauge" is displayed on the machine monitor screen. In addition, the following seven guidance messages are displayed for fuel saving operation.

- 1) Excessive engine idling event
- 2) Hydraulic relief pressure event
- 3) Dragging of brake event
- 4) Excessive stepping on accelerator event
- 5) Recommendation of 4th gear
- 6) Recommendation of lock-up
- 7) Excessive digging event





Operator Identification Function

An operator identification code can be set for each operator

and can be used to manage operational information through KOMTRAX. Data sent from KOMTRAX can be used to analyze operation status by operator, as well as by machine.



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. In addition, abnormalities are indicated in four levels to identify proper level and urgency of response.



Operation Records, Fuel Consumption History, and Ecology Guidance Records

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



Operation record



Fuel consumption record

MAINTENANCE FEATURES



Side-Opening Engine Doors

A wide access area makes daily maintenance easy. Large steps are provided on each side of the frame for added convenience.



Swing-out Type Cooling Fan and Wide Core Radiator

The cooling fan swings out for easy cleaning. The coolers feature wide spacing of the cooling fins to reduce clogging.



Reversing Fan

The engine cooling fan is driven hydraulically. The reversible fan can be controlled through the monitor.



DEF Tank

The DEF tank is located on the right hand side of the machine at ground level for easy access. An external sight gauge aids in preventing overflow and spillage while refilling.



Battery Disconnect Switch

The battery disconnect switch is located on the left hand side of the machine at ground level. This can be used to disconnect power when performing service work. A padlock can be installed to lockout the machine.



Engine Compartment

The WA600-8 engine compartment is configured for easy serviceability. Special attention was paid to the location of maintenance items, such as the filters, dipsticks and oil fill locations. The aftertreatment devices are also easy to access.



Rear Full Fenders

Rear full fenders with steps and handrails are standard at both sides of the machine. The fenders protect the machine from material that may be thrown by the tires and give the

technician easy access to the engine compartment.



Air Cab Filter

The inside and outside cab air filters can be replaced easily without the need for tools.





Inside air filter

Outside air filter

LED Taillights

LED brake lights and LED reverse lights provide long bulb life.



Modular Radiator Core System

The modular radiator core can be removed without removing the entire radiator assembly.

Maintenance Information

"Maintenance time caution lamp" display

When the remaining time to maintenance becomes less than 30 hours*, the maintenance time monitor appears. Pressing the menu switch displays the maintenance screen.

*: The setting can be changed within the range between 10 and 200 hours.



Ма	intenance	Interval	Remain
il	Air Cleaner Cleaning or Change	_	_
J	Coolant Change	500 h	498
	Fuel Prefilter Change	500 h	499
	Engine 0il Change	500 h	10
	Engine Oil Filter Change	500 h	499 1

Maintenance screen

DEF level and refill timing

The DEF level gauge is displayed continuously on the monitor screen. In addition, when the refill timing is reached, the DEF low level guidance appears as a pop up display to inform the operator in real time.





DEF level gauge

DEF low level guidance

KOMATSU PARTS & SERVICE SUPPORT



KOMATSU CARE

Program Includes:

Complimentary Scheduled Maintenance

- Complimentary scheduled engine maintenance for 3 years or 2,000 hours
- Service is performed by factory certified technicians using Komatsu Genuine parts and fluids
- Significantly reduce ownership costs and increase reliability and uptime
- Increase resale value with detailed maintenance records and transferable program benefits
- Additional SCR enhancements have been added for Tier 4 Final

Complimentary KDPF Exchange

- Covers exchange of up to two KDPF assemblies within the first five years at the exchange interval of 4,500 hours*
- Assurance of factory certified KDPF cleanings
- Reduced downtime from exchange

KOMATSU CARE WA600-8				
Interval PM	500	1000	1500	2000
PERFORM KOWA SAMPLING (5 samples) – engine, transmission, hydraulics, front & rear axle	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	\checkmark	√	\checkmark	
DRAIN WATER AND SEDIMENT FROM FUEL TANK	✓	✓	√	√
COMPLETE 50 POINT INSPECTION FORM; LEAVE PINK COPY WITH CUSTOMER OR IN CAB	✓	✓	✓	✓
RESET MONITOR PANEL MAINTENANCE COUNTER FOR APPROPRIATE ITEMS	✓	✓	✓	✓
CHANGE ENGINE OIL	\checkmark	√	\checkmark	\checkmark
REPLACE ENGINE OIL FILTER	\checkmark	√	\checkmark	\checkmark
REPLACE FUEL PRE-FILTER	✓	✓	√	√
REPLACE FUEL MAIN FILTER	✓	✓	√	√
REPLACE DEF PUMP FILTER				√
REPLACE DEF TANK BREATHER				√
REPLACE KCCV FILTER				√
FACTORY TRAINED TECHNICIAN LABOR	✓	✓	√	√

^{*} 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 2018 Komatsu America Corp.

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

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



 KOMTRAX is standard equipment on all Komatsu construction products



- 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





KØMTRAX Plus

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

Equipment Management Support

KOMTRAX Plus enables expanded monitoring of the fleet via satellite and wireless LAN. Users can analyze "machine health" and performance from a remote location, on a near-real time basis. This includes component condition and trend data. By making this critical information readily accessible, KOMTRAX Plus is an effective tool in maximizing productivity and lowering operating costs.

SPECIFICATIONS



ENGINE

Model
Number of cylinders 6
Bore
Stroke
Piston displacement23.15 ltr 1413 in³
GovernorAll-speed, electronic
Horsepower:
SAE J1995 Gross 396 kW 530 HP
ISO 9249 / SAE J1349Net 395 kW 529 HP
Rated rpm 1800 rpm
Fan drive method for radiator coolingHydraulic
Fuel systemDirect injection
Lubrication system:
Method
Air cleaner Dry type with double elements and dust evacuator, plus dust indicator

*EPA Tier 4 Final emissions certified



TRANSMISSION

Torque converter........ Three-elements, one-stage, two-phase Transmission............ Automatic full-powershift, planetary type

Travel speed	Forward*	Reverse*
1st	6.7 km/h 4.2 mph	7.3 km/h 4.5 mph
2nd	11.7 km/h 7.3 mph (12.4 km/h 7.7 mph)	12.8 km/h 8.0 mph (13.5 km/h 8.4 mph)
3rd	20.3 km/h 12.6 mph (21.7 km/h 13.5 mph)	22.0 km/h 13.7 mph (23.7 km/h 14.7 mph)
4th	33.8 km/h 21.0 mph (37.7 km/h 23.4 mph)	37.0 km/h 23.0 mph (41.0 km/h 25.5 mph)

*P-mode Measured with 35/65-33 tires (): Lock-up clutch ON



AXLES AND FINAL DRIVES

Four-wheel drive
Fixed, full-floating
Center-pin support, full-floating,
22° total oscillation
Spiral bevel gear
Conventional type
Planetary gear, single reduction



BRAKES

Service brakes	Hydraulically actuated,
wet multip	le-disc brakes actuate on four wheels
Parking brake	Wet multiple-disc brake
Emergency brake	One of dual service brake circuits
	is commonly used



STEERING SYSTEM

Туре	Articulated type, fully-hyc	draulic power steering
Steering angle		43° each direction
Minimum turning	radius at	
the center of out	side tire	7075 mm 23' 3"



HYDRAULIC SYSTEM

Steering system: Hydraulic pump
Loader control: Hydraulic pump
Relief valve setting 34.3 MPa 350 kgf/cm² 4,980 psi Hydraulic cylinders: Type
Boom
Hydraulic cycle time (rated load in bucket) Raise

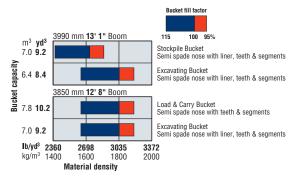


SERVICE REFILL CAPACITIES

Cooling system				
Engine				_
Hydraulic system	443 ltr	117.0	U.S.	gal
Axle front	185 ltr	48.9	U.S.	gal
rear	193 ltr	51.0	U.S.	gal
Torque converter and transmission	78 Itr	20.6	U.S.	gal
DEF tank	39.7 Itr	10.5	U.S.	gal

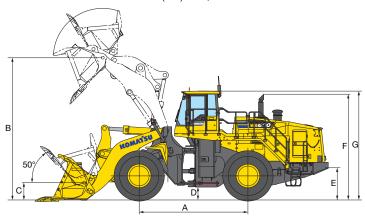


BUCKET SELECTION GUIDE



DIMENSIONS

Measured with 35/65-33-36PR (L-4) tires, ROPS/FOPS cab



	Tread width (center of tread to	center of tread)	2650 mm	12'8"
	Width over tires		3590 mm	11'9"
Α	Wheelbase		4500 mm	14'9"
В	Hinge pin height,	3850 mm boom	5665 mm	18'7"
	max. height	3990 mm boom	5885 mm	19'4"
С	Hinge pin height,	3850 mm boom	670 mm	2'2"
	carry position	3990 mm boom	720 mm	2'4"
D	Ground clearance		525 mm	1'9"
Е	Hitch height		1320 mm	4'4"
F	Overall height, top of the stack		4375 mm	14'4"
G	Overall height, ROPS cab		4500 mm	14'9"

	3990 mm 1	3990 mm 13' 1" Boom		12' 8" Boom
	Excavating Bucket	Stockpile Bucket	Excavating Bucket	Load & Carry Bucket
	Spade nose Teeth and BSE *1			
Bucket capacity: heaped	6.4 m ³	7.0 m ³	7.0 m ³	7.8 m ³
	8.4 yd ³	9.2 yd ³	9.2 yd ³	10.2 yd ³
struck	5.3 m ³	5.8 m ³	5.8 m ³	6.6 m ³
	6.9 yd ³	7.6 yd ³	7.6 yd ³	8.6 yd ³
Bucket width	3805 mm 12'6"	3805 mm 12'6"	3805 mm 12'6"	3805 mm 12'6"
Dualrat waight	5975 kg	6152 kg	6152 kg	5791 kg
Bucket weight	13,173 lb	13,563 lb	13,563 lb	12,767 lb
Dumping clearance, max. height	3965 mm	3915 mm	3700 mm	3615 mm
and 45° dump angle *2	13'0"	12'10"	12'2"	11'10"
Reach at max. height and	1835 mm	1885 mm	1915 mm	2000 mm
45° dump angle *2	6'0"	6'2"	6'3"	6'7"
Reach at 2130 mm 7' clearance	3030 mm	3065 mm	2920 mm	2970 mm
and 45° dump angle	9'11"	10'0"	9'7"	9'9"
Reach with arm horizontal and	4175 mm	4245 mm	4105 mm	4225 mm
bucket level*	13'8"	13'11"	13'6"	13'10"
Operating height (fully raised)	7925 mm	8040 mm	7280 mm	7885 mm
	26'0"	26'5"	23'11"	25'10"
Overall length (bucket on ground)	12145 mm 39'10"	12215 mm 40'1"	12030 mm 39'6"	12150 mm 39'10"
Loader clearance circle (bucket at carry,	17050 mm	17090 mm	16770 mm	16990 mm
outside corner of bucket)	55'11"	56'1"	55'0"	55'9"
Digging depth: 0°	130 mm	130 mm	130 mm	130 mm
	5"	5"	5"	5"
10°	530 mm	540 mm	540 mm	560 mm
	1'9"	1'9"	1'9"	1'10"
Static tipping load: straight	38220 kg	38036 kg	37845 kg	43265 kg
	84,261 lb	83,855 lb	83,434 lb	95,383 lb
40° full turn	32675 kg	32520 kg	32805 kg	37080 kg
	72,036 lb	71,964 lb	72,323 lb	81,747 lb
Breakout force	39500 kgf	38200 kgf	38600 kgf	36200 kgf
	87,083 lb	84,217 lb	85,098 lb	79,807 lb
Operating weight	56280 kg	56460 kg	55400 kg	57460 kg
	124,076 lb	124,473 lb	122,136 lb	126,678 lb

^{*1} Bolt-on segment edges. *2 At the end of the tooth

All dimensions, weights, and performance values based on SAE J732c and J742b standards.

Static tipping load, operating weight and overall length 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, static tipping load and overall length.



	Operating		Tipping load straight				Tipping load full turn				Width		Ground		Change in vertical	
Tires or attachments	weight		3990 mm Boom		3850 mm Boom		3990 mm Boom		3850 mm Boom		over tires		clearance		dimensions	
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	mm	ft in	mm	ft in	mm	ft in
35/65-33-36PR(L-5)	+1000	+2,204	+715	+1,576	+740	+1,631	+620	+1,367	+640	+1,411	3590	11' 9"	525	1'9"	0	0
35/65-33-42PR(L-4)	+20	+44	+10	+22	+10	+22	+10	+22	+10	+22	3605	11'10"	525	1'9"	0	0
35/65-R33 (L-4)	-780	-1,720	-565	-1,246	-585	-1,290	-485	-1,069	-500	-1,102	3615	11'10"	460	1'6"	-65	-3"
35/65-R33 (L-5)	-235	-518	-175	-386	-180	-397	-150	-331	-150	-331	3615	11'10"	460	1'6"	-65	-3"



ENGINE

- Air cleaner, double element with dust indicator
- Alternator, 24 V/140 A
- Batteries, large capacity, 2 x 12 V/200 Ah
- Engine, Komatsu SAA6D170E-7
- KDPF, SCR
- Starting motor, 24 V x 2/11.0 kW

CAB

- Two x DC12V electrical outlets
- Advanced joystick steering system
- · Auto air conditioner/heater
- AM/FM radio with AUX input jack
- Ashtray
- · Cigarette lighter
- Color multi-monitor
- · Cup holder
- Electronic pilot control fingertip control
- Floor mat
- Front wiper (with washer and intermittent)
- Rear defroster (electric)
- Rear window washer and wiper
- ROPS/FOPS (ISO 3471/ISO 3449) cab
- · Seat, suspension type with reclining
- Seat belt (two-point)
- Space for lunch box
- Starter receptacle
- Sun visor

LIGHTING SYSTEM

- · Access stair lamp, LH side
- · Back-up lights, LED
- · Directional signal
- Hazard lamps
- · Head lamps, LH and RH side
- Front work lamps, LH and RH side
- Rear work lamps, LH and RH side
- Stop and tail lamps, LED and turn signal lamps

SAFETY EQUIPMENT

- Back-up alarm
- Hand rails for platform
- Horn, electric
- · Parking brake, electric
- · Rear view mirrors
- Rear view monitoring system
- Secondary engine shutdown switch
- · Service brakes, wet disc type

RIMS

• Rims for 35/65-33 tubeless tires. set of 4

OTHER

- Two-spool valve for boom and bucket controls
- 3990 mm boom
- Additional counterweight (850 kg)
- · Automatic digging system
- · Automatic shift transmission

- · Battery disconnect switch
- · Circuit breaker
- · Counterweight, standard
- Ecology guidance, ecology gauge
- Electronically controlled suspension system
- Engine RPM set system
- Engine shut-off system, electric
- Front fenders
- Fuel pre-filter with water separator
- Hydraulic-driven fan with reverse rotation
- · Inline filters, steering and hydraulic
- Integrated load meter
- Komatsu auto idle shutdown
- Komatsu SmartLoader Logic
- KOMTRAX with KOMTRAX Plus function and wireless bridge
- · Lift cylinders and bucket cylinder
- Lock-up clutch torque converter
- Modulation clutch
- Radiator, modular core
- Radiator mask, swing out
- · Rear access stair with handrail. RH side
- Remote boom positioner, in-cab adjustable
- Remote bucket positioner, in-cab adjustable, three positions
- · Transmission, four forward and four reverse speeds
- Work equipment shock reduction control



OPTIONAL EQUIPMENT

- · Three-spool valve with lever and piping
- 3850 mm boom
- Brake cooling system
- Fast-fill fuel system

- Limited slip differential (F&R)
- Load-and-carry specification
- Power train guard
- Secondary steering (ISO 5010)
- Steering wheel, tiltable, telescopic
- · Various bucket options
- · Various tire options, radial and bias

AESS890-03

©2018 Komatsu America Corp.

Printed in USA

AD06(3M)OTP

06/18 (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.

www.komatsuamerica.com

Komatsu America Corp. is an authorized licensee of Komatsu Ltd. Materials and specifications are subject to change without notice