KOMATSU®

PC78US-10

Tier 4 Final Engine

PC78US

COMPACT HYDRAULIC EXCAVATOR

Photos may include optional equipment.

NET HORSEPOWER
65.5 HP @ 1950 rpm
48.8 kW @ 1950 rpm

OPERATING WEIGHT
17,747 lb
8050 kg

WALK-AROUND

Photos may include optional equipment.

NET HORSEPOWER
65.5 HP @ 1950 rpm
48.8 kW @ 1950 rpm

OPERATING WEIGHT
17,747 lb
8050 kg

KOMATSU CARE®

PERFORMANCE AND VERSATILITY

Standard value added features provide operators with flexible jobsite performance.

New engine and hydraulic technology improves productivity by up to 3% and lowers fuel consumption by up to 5%.

A powerful Komatsu SAA4D95LE-6 engine provides a net output of 48.8 kW **65.5 HP** (up to 16% more than the previous model). This engine is EPA Tier 4 Final emissions certified.

Komatsu Diesel Oxidation Catalyst (KDOC) reduces particulate matter using passive regeneration 100% of the time.
No DEF or DPF is required.

Variable Flow Turbocharger is designed to provide optimum air flow under all speed and load conditions.

Komatsu's Closed-center Load Sensing System (CLSS) provides quick response and smooth operation to maximize productivity.

Enhanced working modes are designed to match engine speed, pump delivery, and system pressure to the application.

Large LCD color monitor panel:
- 7" high resolution screen
- Provides "Ecology-Guidance" for fuel efficient operation
- Enhanced attachment control

Rearview monitoring system (standard)

Equipment Management Monitoring System (EMMS) continuously monitors machine operation and vital systems to identify machine issues and assist with troubleshooting.

Enhanced working environment
- High back, suspension operator seat
- Integrated ROPS cab design
- Cab meets ISO Level 1 Operator Protective Guard (OPG) top guard
- Aux jack and (2) 12V outlets

Offset boom allows the PC78US-10 to fit in confined spaces at jobsites.

Wide access service doors provide easy access for ground level maintenance.

Standard Auxiliary Piping for Attachments

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

Battery disconnect switch allows a technician to disconnect the power supply before servicing the machine.

Komatsu designed and manufactured components

Convenient access for maintenance and daily checks.

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

Standard 7'7" 2320 mm blade

Standard pattern change valve

Two travel speeds

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.

* Thumb is not standard ** All comparisons are to the prior model, unless otherwise stated.

PERFORMANCE FEATURES

Powerful and Smooth, and yet Efficient Work Is Achieved

Increased productivity

The improved vehicle control contributes to increased productivity while maintaining low fuel consumption.

Productivity

up to 3% increase
(Compared to the PC78US-8)

The productivity data is based on in-house test results.

High mobility

The powerful drawbar pull of the PC78US-8 has been further enhanced to two percent greater maximum drawbar pull, providing excellent steering and hill climbing performance.

Maximum drawbar pull

up to 2% increase (Compared to the PC78US-8)

Equipped with swing back prevention valve

The swing motor is equipped with a swing back reduction valve as standard for smooth stop of swing. This feature enables easy positioning of work equipment, which reduces load spilling from the bucket.

Equipped with a Blade as Standard Equipment

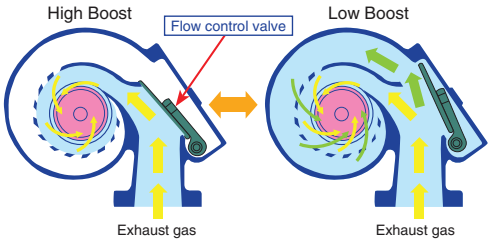
A blade for efficient back-filling and leveling work is equipped as standard. The dedicated pump for the blade enables smooth dozing operation.

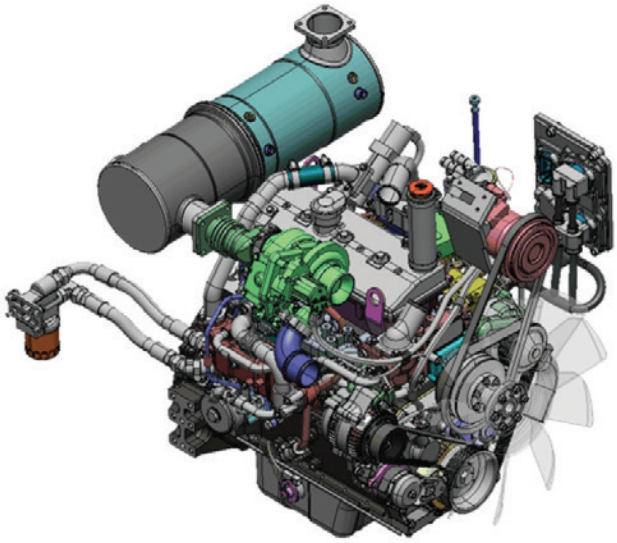
Environment-Friendly Engine

The Komatsu SAA4D95LE-6 engine is EPA Tier 4 Final emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces exhaust gas particulate matter (PM) by more than 90% and nitrogen oxide (NOx) by more than 15%, compared to Komatsu Tier 4 Interim levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology providing high levels of performance and efficiency in virtually all applications.

Newly designed Variable Flow Turbocharger (VFT)

A newly designed variable flow turbocharger features simple and reliable technology that varies the intake airflow. This provides optimum air flow under all speed and load conditions producing cleaner exhaust gas without sacrificing power and performance.



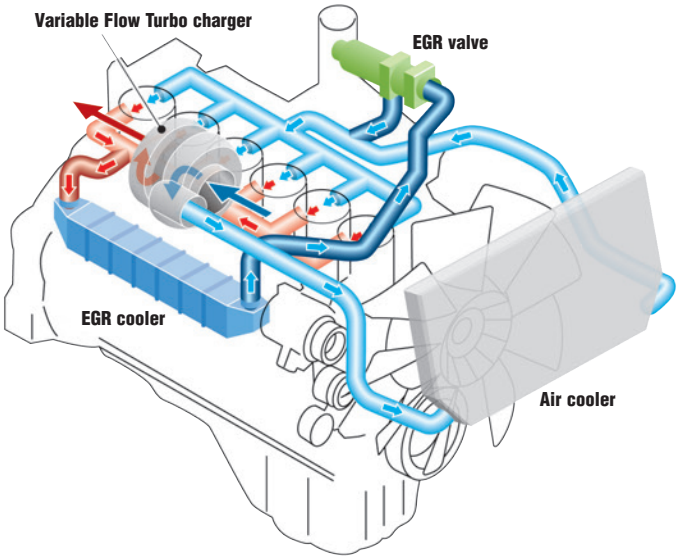


Advanced Electronic Control System

The engine control system has been upgraded to effectively manage a variety of parameters such as the air flow rate, EGR gas flow rate, fuel injection parameters, and after-treatment functions. The new control system also provides enhanced diagnostic capabilities.

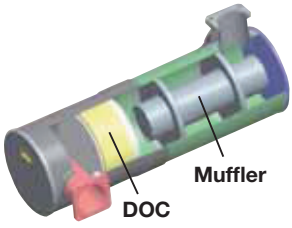
Cooled Exhaust Gas Recirculation (EGR)

Cooled EGR, a technology that has been well proven in Komatsu Tier 3 and 4 Interim engines, reduces NOx emission to meet Tier 4 levels. The EGR system has increased capacity and uses larger and more robust components to ensure reliability for demanding work conditions.



Komatsu Diesel Oxidation Catalyst (KDOC)

The new Komatsu Diesel Oxidation Catalyst (KDOC) has an integrated design that does not interfere with daily operation. This smart and simplified system removes soot using **100% "passive regeneration"** without the need for a Diesel Particulate Filter. The KDOC is a simple design and does not have a scheduled service interval like a DPF and is designed for long life with no scheduled maintenance required. For owners, this means lower owning and operating costs due to less complexity and seamless operation.



PERFORMANCE FEATURES

Efficient Hydraulic System

The PC78US-10 uses a Closed-center Load Sensing System (CLSS) that improves fuel efficiency and provides quick response to the operator's demands.

The PC78US-10 also introduces new technology to enhance the engine and hydraulic pump control. This total control system matches the engine and hydraulics at the most efficient point under different load conditions. There have also been improvements in the main valve and hydraulic circuit to reduce hydraulic loss, resulting in higher efficiency and lower fuel consumption.

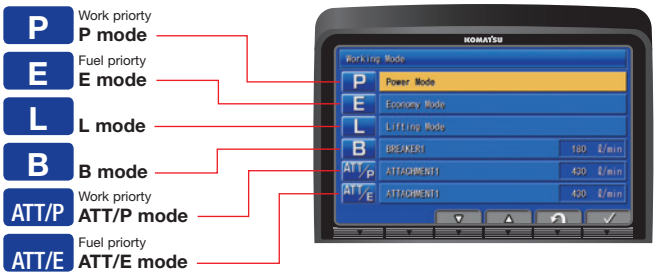
Reduced Up To 5% Fuel consumption*

*vs PC78US-8 Based on typical work pattern collected via KOMTRAX

Working Mode Selection

The PC78US-10 excavator is equipped with six working modes (P, E, L, B, ATT/P and ATT/E). Each mode is designed to match engine speed, pump flow, and system pressure to the application. The PC78US-10 features a new mode (ATT/E) which allows operators to run attachments while in Economy mode.

Working Mode	Application	Advantage
P	Power mode	•Maximum production/power •Fast cycle times
E	Economy mode	•Good cycle times •Better fuel economy
L	Lifting mode	•Increases hydraulic pressure
B	Breaker mode	•Optimum engine rpm, hydraulic flow
ATT/P	Attachment Power mode	•Optimum engine rpm, hydraulic flow, 2-way •Power mode
ATT/E	Attachment Economy mode	•Optimum engine rpm, hydraulic flow, 2-way •Economy mode



OPERATION FEATURES

True Tight Tail Swing For Confined Areas

Short implement swing radius

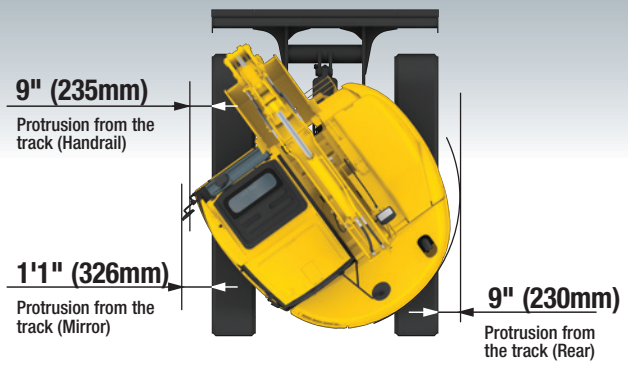
12' 2" (3710 mm) boom raising angle of the PC78US-10 is larger than a conventional profile excavator. The result is reduced front implement swing radius.

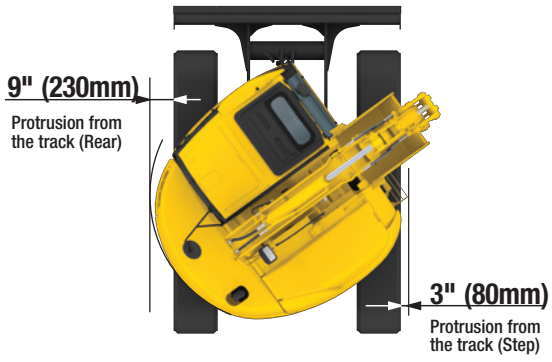
Tight tail swing radius

4' 7" 1390 mm short tail swing radius of the PC78US-10 allows the machine to work in more confined areas than a conventional machine.

Round Profile of both Front and Rear Portion of the Upper Structure

Komatsu tighttail hydraulic excavators allows the machine to work in surprisingly tight quarters.





True Tight Tail Performance

The versatile PC78US-10 can fit into areas where a conventional machine cannot. The contoured cab design and convex sliding door allow the cab to swing within the same turning radius as the counterweight.

Ideal For Confined Applications

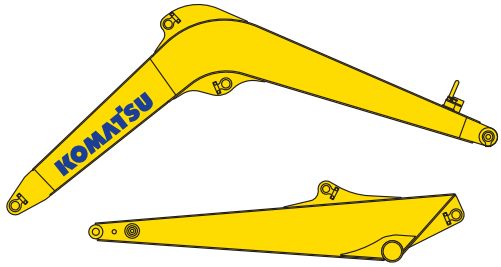
The PC78US-10 is an ideal machine for residential and roadwork. The tight tail design and minimum swing radius makes it possible to work close to buildings, walls and other obstacles.

RELIABILITY FEATURES

PC78US-10

High Rigidity Work Equipment

Booms and arms are constructed with thick plates of high tensile strength steel. In addition, these structures are designed with large cross-sectional areas and large one piece castings in the boom foot and the boom tip. The result is work equipment that exhibits long term durability and high resistance to bending and torsional stress.

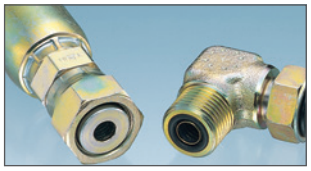


Komatsu Designed Components

All of the major machine components such as the engine, hydraulic pumps, hydraulic motors, and control valves are exclusively designed and manufactured by Komatsu.

O-Ring Face Seals

Flat face-to-face O-ring seals are used to securely seal hydraulic hose connections.

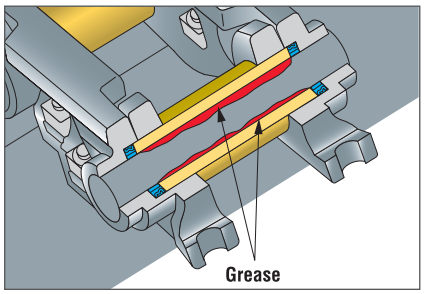


Durable Frame Structure

The revolving frame, center frame, and undercarriage are designed using the most advanced three dimensional CAD and FEM analysis technology.

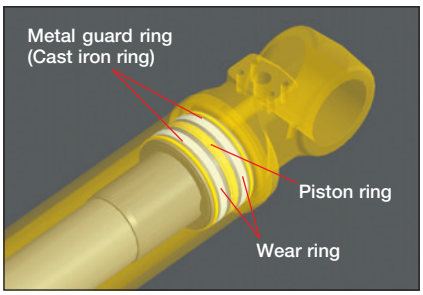
Grease Sealed Track

The PC78US-10 uses grease sealed tracks for extended undercarriage life.



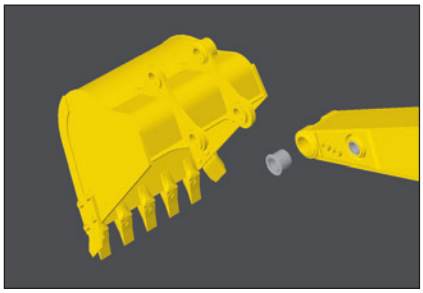
Metal Guard Rings

The PC78US-10 uses metal guard rings to protect all of the hydraulic cylinders and improve long term reliability.



Durable Arm Tip Bushing

The end face of the arm tip bushing provides high resistance to seizure and wear.



WORKING ENVIRONMENT

Newly Designed Wide Spacious Cab

The newly designed wide spacious cab features a high back, fully adjustable seat with a reclining backrest. The console and seat have an integrated design so that they move together and provide additional comfort for the operator.

The new higher capacity operator seat has been enhanced to provide more comfort.

- Integrated Seat
- Console Mounted Arm Rests

Auxiliary Input (MP3 Jack)

By connecting an auxiliary device such as an MP3 player to the auxiliary input, the operator can hear the sound through the speakers installed in the cab.

Pressurized Cab

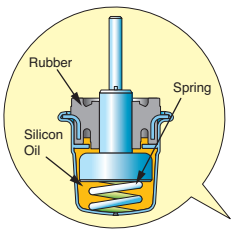
The air conditioner, air filter, and a higher internal cab air pressure minimize the amount of external dust that enters the cab.

Automatic Air Conditioner

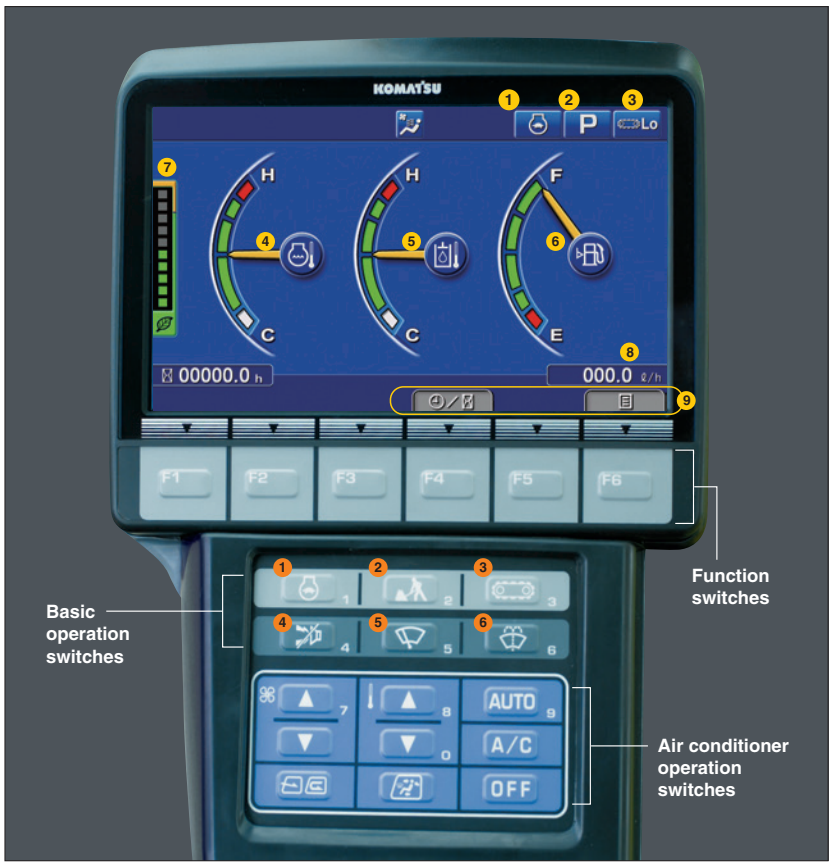
The automatic air conditioner allows the operator to easily and precisely set the cab atmosphere using the large LCD color monitor panel. The bi-level control function improves air flow and keeps the inside of the cab comfortable throughout the year.

Low Vibration with Viscous Cab Mounts

The PC78US-10 uses viscous mounts for the cab that incorporate a longer stroke and the addition of a spring. The cab damper mounting combined with a high rigidity deck reduces vibration at the operator's seat.



WORKING ENVIRONMENT



Large High Resolution LCD Monitor Panel

A new large, user-friendly, high resolution LCD color monitor enables accurate and smooth work. Screen visibility and resolution are further improved compared to the previous LCD monitor panel. The switches and function keys are easy to operate and provide simple navigation through the monitor screens.

Data is displayed in 25 languages to support operators around the world.

Indicators

1. Auto-decelerator
2. Working mode
3. Travel speed
4. Engine water temperature gauge
5. Hydraulic oil temperature gauge
6. Fuel gauge
7. Eco-gauge
8. Fuel consumption gauge
9. Function switches menu

Basic operation switches

1. Auto-decelerator
2. Working mode selector
3. Traveling selector
4. Buzzer cancel
5. Wiper
6. Windshield washer

Operational Information

The monitor panel provides operational advice to the operator to help improve machine efficiency and lower fuel consumption. The operator can access the ecology guidance menu to check the Operation Records, Ecology Guidance Records, and Average Fuel Consumption records.

Improved Attachment Control

The PC78US-10 is capable of storing up to ten different attachments in the new monitor panel. The name of each attachment can be changed for better tool management. Hydraulic flow rates can be easily adjusted for one-way and two-way flow attachments.

Ecology Guidance

Average Fuel Consumption Logs

Attachment Setting Screen

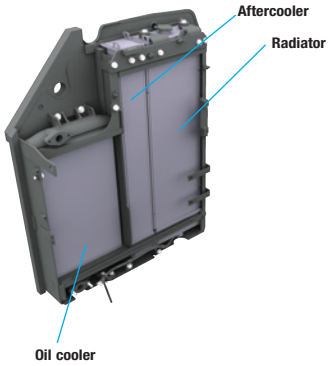
Operation Records

Attachment Settings

MAINTENANCE FEATURES

Easy Access Coolers

The radiator and oil cooler are side-by-side modules which simplifies cleaning, removing, and installing.



Battery Disconnect Switch

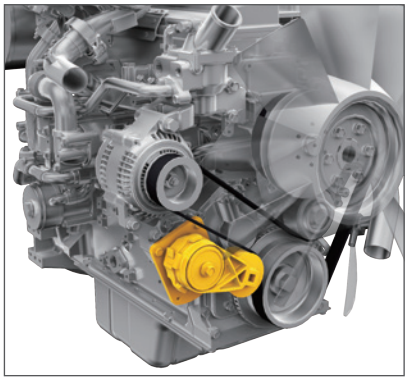
A standard battery disconnect switch allows a technician to disconnect the power supply and lock out before servicing the machine.

Large Tool Box

Large tool box provides plenty of space. Grease gun storage space is also provided.

Fan Belt Auto-tensioner

You can service the fan belt easily.



Long Life Oils, Filters

High performance filters are used in the hydraulic circuit and engine. By increasing the oil and filter replacement intervals, maintenance costs can be significantly reduced.

Hydraulic oil filter
(Ecology-white element)

Engine oil & Engine oil filter	every 500 hours
Hydraulic oil	every 5000 hours
Hydraulic oil filter	every 1000 hours

Extended Work Equipment Greasing Intervals

Special hard material is used for the work equipment bushings to lengthen the greasing intervals. All work equipment bushing lubrication intervals, except the arm tip and bucket linkage, are 500 hours, reducing maintenance costs.

High Efficiency Fuel Filters

Komatsu's pre-filter and water separator comes with a built in priming pump. A new high efficiency dual element fuel filter provides twice the filtration capacity.

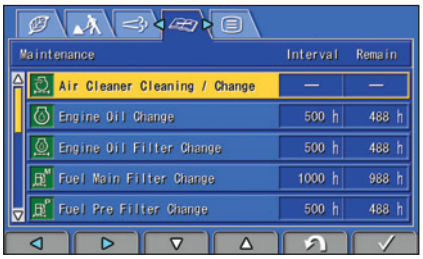
MAINTENANCE FEATURES

Equipment Management Monitoring System (EMMS)

The PC78US-10 features an advanced diagnostic system that continuously monitors the machine's vital systems. EMMS tracks maintenance items, provides advanced troubleshooting tools, reduces diagnostic times, and displays error codes. Through continuous monitoring, the EMMS helps identify issues before they become worse and allows the operator to concentrate on the work at hand.

Maintenance Tracking

When the machine approaches or exceeds the oil and filter replacement interval, the monitor panel will display lights to inform the operator.



Abnormalities Display with Code

When an abnormality occurs an error code is displayed on the monitor. When an important code is displayed, a caution lamp blinks and warning buzzer sounds to alert the operator to take action. The monitor also stores a record of abnormalities for more effective troubleshooting.

Advanced Monitoring System

The monitor provides advanced monitoring diagnostics to assist with troubleshooting and reduce costly downtime.

Photos may include optional equipment

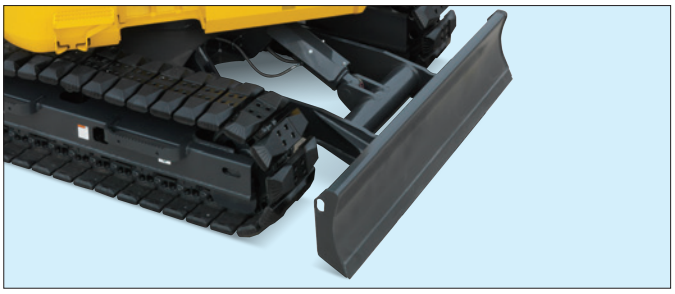
GENERAL FEATURES

ROPS Cab Design

The PC78US-10 is equipped with an integrated ROPS cab as standard equipment. The cab also meets OPG Top Guard Level 1 requirements.

Standard Blade

Every PC78US-10 comes standard with a 2320mm **7'7"** blade. A wide angle blade is also available as an option.

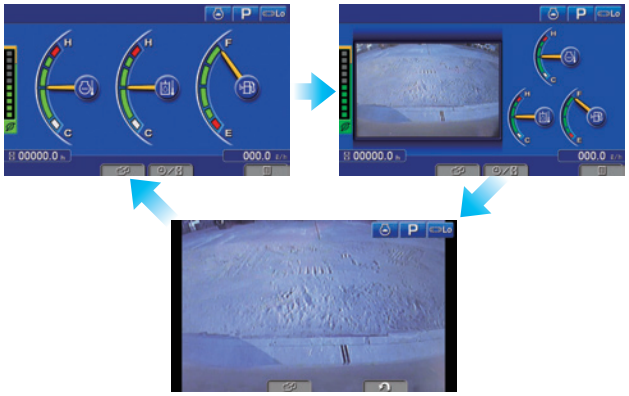


Operator Identification Function

An operator identification ID can be set for each operator, and used to manage operation information of individual machines as KOMTRAX data. Data sent from KOMTRAX can be used to analyze operation status by operator as well as by machine.

Rear View Monitoring System

The operator can view the rear of the machine with a color monitor screen. The main screen display mode can be changed by pressing the F3 key.



Pattern Change Valve Standard

A pattern change valve is conveniently located below the cab, making switching from excavator controls to backhoe controls quick and easy.

KOMATSU PARTS & SERVICE SUPPORT

KOMATSU CARE

Program Includes:

*The PC78US-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

KOMATSU CARE PC78US-10				
Interval PM	**500**	**1000**	**1500**	**2000**
KOWA SAMPLING – (Engine, Hydraulics, Swing Circle, L & R Final Drives)	✓	✓	✓	✓
LUBRICATE MACHINE	✓	✓	✓	✓
LUBRICATE SWING CIRCLE	✓	✓	✓	✓
CHECK SWING PINION GREASE LEVEL AND ADD, WHEN NECESSARY	✓	✓	✓	✓
CHANGE ENGINE OIL	✓	✓	✓	✓
REPLACE ENGINE OIL FILTER	✓	✓	✓	✓
REPLACE FUEL PRE-FILTER	✓	✓	✓	✓
CLEAN AIR CLEANER ELEMENT	✓	✓	✓	✓
DRAIN 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	✓	✓	✓	✓
REPLACE MAIN FUEL 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.

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

GET THE WHOLE STORY WITH KOMTRAX®

WHAT

- 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**

WHO

- KOMTRAX is **standard** equipment on all Komatsu construction products

WHEN

- 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

WHERE

- 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

WHY

- 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®

For construction and compact equipment.

KOMTRAX Plus®

For production and mining class machines.

SPECIFICATIONS

PC78US-10

ENGINE

Model ..... Komatsu SAA4D95LE-6*
Type ..... Water-cooled, 4-cycle, direct injection
Aspiration ... Variable flow, turbocharged, air-to-air aftercooled EGR
Number of cylinders 4
Bore ..... 95 mm **3.74"**
Stroke ..... 115 mm **4.52"**
Piston displacement ..... 3.26 ltr **199 in³**
Horsepower:
SAE J1995 ..... Gross 50.7 kW **68 HP**
ISO 9249 / SAE J1349 ..... Net 48.8 kW **65.5 HP**
Rated rpm 1950
Governor ..... All-speed control, electronic
Lubrication system:
Method ..... Gear pump, force-lubrication
Filter ..... Full-flow
Air cleaner ..... Air cleaner, double element and auto dust evacuator

*EPA Tier 4 Final emissions certified

HYDRAULICS

Type ..... HydrauMind (Hydraulic Mechanical Intelligence New Design) system, closed-center system with load sensing valve and pressure compensated valve

Number of selectable working modes 6

Main pumps:

Pumps for ..... Boom, arm, bucket, and travel circuits
Type ..... Variable capacity piston type, axial piston
Maximum flow ..... 160 ltr/min **42.2 gal/min**

Pumps for ..... Swing and blade
Type ..... Fixed displacement gear
Travel ..... 2 x piston motor with parking brake
Maximum flow ..... 63 ltr/min **16.64 gal/min**

Hydraulic motors:

Swing ..... 1 x axial piston motor with swing holding brake

Relief valve setting:

Implement circuits ..... 26.5 MPa 270 kgf/cm² **3,844 psi**
Travel circuit ..... 27.0 MPa 275 kgf/cm² **3,916 psi**
Swing circuit ..... 21.1 MPa 215 kgf/cm² **3,060 psi**
Pilot circuit ..... 3.2 MPa 33 kgf/cm² **464 psi**
Blade circuit (Raise) ..... 12.7 MPa 130 kgf/cm² **1,842 psi**
Blade circuit (Lower) ..... 20.0 MPa 210 kgf/cm² **2,900 psi**

Hydraulic cylinders:

(Number of cylinders – bore x stroke x rod diameter)

Boom 1–115 mm x 858 mm x 65 mm **4.53" x 33.8" x 2.56"**
Arm ..... 1–100 mm x 861 mm x 60 mm **3.9" x 33.9" x 2.36"**
Bucket 1–90 mm x 710 mm x 55 mm **3.54" x 27.95" x 2.17"**
Blade .. 1–130 mm x 200 mm x 65 mm **5.12" x 7.87" x 2.56"**

DRIVES AND BRAKES

Steering control ..... Two levers with pedals
Drive method ..... Fully hydrostatic
Maximum drawbar pull ..... 68.2 kN 6950 kgf **15,489 lbf**
Maximum travel speed: High ..... 5 km/h **3.1 mph**
Low ..... 2.8 km/h **1.7 mph**
Service brake ..... Hydraulic lock
Parking brake ..... Mechanical disc

SWING SYSTEM

Driven by ..... Hydraulic motor
Swing reduction ..... Planetary gear
Swing circle lubrication ..... Grease-bathed
Swing lock ..... Mechanical disc brake
Swing speed ..... 10 rpm

UNDERCARRIAGE

Center frame ..... X-frame leg
Track frame ..... Box-section
Track type ..... Sealed
Track adjuster ..... Hydraulic
Number of shoes (each side) 39
Number of carrier rollers (each side) 1
Number of track rollers (each side) 5

COOLANT & LUBRICANT CAPACITY (REFILLING)

Fuel tank ..... 125 ltr **33 U.S. gal**
Radiator ..... 13 ltr **3.43 U.S. gal**
Engine ..... 11.5 ltr **3.04 U.S. gal**
Final drive, each side ..... 1.1 ltr **.29 U.S. gal**
Swing drive ..... 2.0 ltr **.53 U.S. gal**
Hydraulic tank ..... 56 ltr **14.8 U.S. gal**

OPERATING WEIGHT (APPROXIMATE)

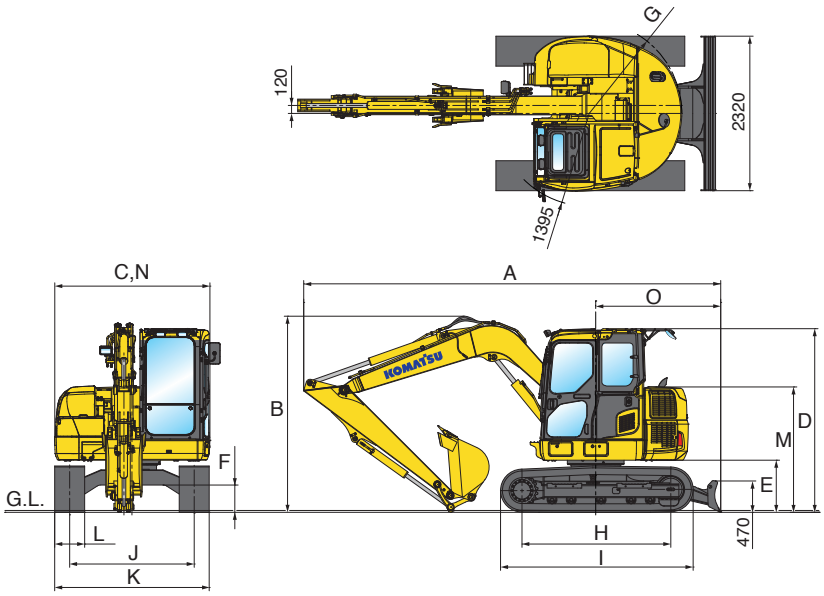
Operating weight includes 3710 mm **12'2"** one-piece boom, 2250 mm **7'5"** arm, SAE heaped 0.2 m³ **0.26 yd³** bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

	With Blade	
Track Shoes	**Operating Weight**	**Ground Pressure**
450 mm **18"**	7910 kg **17,439 lb**	34.9 kPa / 0.36 kg/cm² **5.06 psi**
600 mm **24"**	8080 kg **17,813 lb**	26.7 kPa / 0.27 kg/cm² **3.87 psi**
450 mm **18"** Road Liner	8050 kg **17,747 lb**	35.1 kPa / 0.36 kg/cm² **5.09 psi**

DIMENSIONS

	Boom length	2250 mm	7'5"
A	Overall length	6270 mm	20'7"
B	Overall height (to top of boom)	2945 mm	9'8"
C	Overall width	2330 mm	7'8"
D	Overall height (to top of cab)*	2760 mm	9'1"
E	Ground clearance, counterweight	785 mm	2'7"
F	Ground clearance, minimum	410 mm	1'4"
G	Tail swing radius	1390 mm	4'7"
H	Track length on ground	2235 mm	7'4"
I	Track length*	2890 mm	9'6"
J	Track gauge	1870 mm	6'2"
K	Width of crawler	2320 mm	7'7"
L	Shoe width	450 mm	1'6"
M	Machine engine hood height	1885 mm	6'2"
N	Machine cab width	2330 mm	7'8"
O	Distance, swing center to rear end	1885 mm	6'2"

***** : Dimension of the machine with the triple grouser shoes.

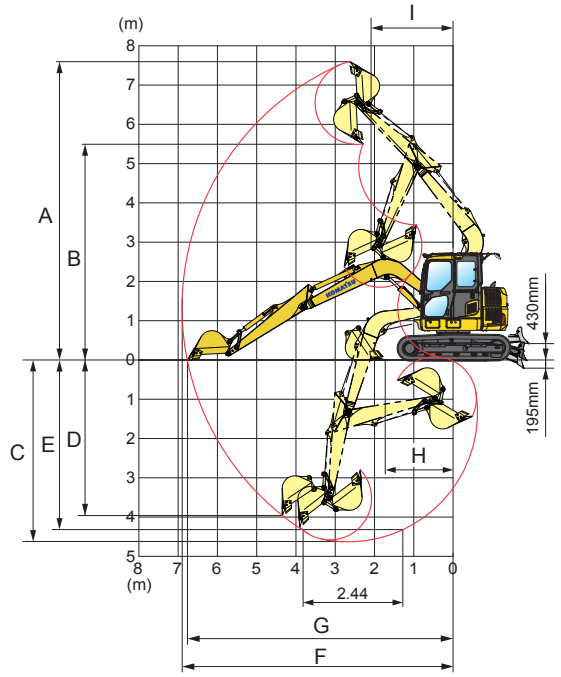


BACKHOE BUCKET, ARM AND BOOM COMBINATIONS

Bucket Capacity (heaped)				Width				Weight		Number of Teeth	Arm Length
SAE, PCSA		CECE		Without Side Cutters		With Side Cutters		With Side Cutters			2250 mm (7'5')
0.09 m³	**0.12 yd³**	0.08 m³	**0.10 yd³**	350 mm	**13.7"**	450 mm	**17.7"**	145 kg	**319.7 lb**	3	○
0.12 m³	**0.16 yd³**	0.11 m³	**0.14 yd³**	450 mm	**17.7"**	550 mm	**21.7"**	160 kg	**352.7 lb**	3	○
0.20 m³	**0.26 yd³**	0.18 m³	**0.24 yd³**	550 mm	**21.7"**	650 mm	**25.6"**	185 kg	**407.9 lb**	3	○
0.28 m³	**0.37 yd³**	0.25 m³	**0.33 yd³**	650 mm	**25.6"**	750 mm	**29.5"**	210 kg	**463.0 lb**	4	X
0.34 m³	**0.44 yd³**	0.30 m³	**0.39 yd³**	755 mm	**29.7"**	NA	**25.6"**	210 kg	**463.0 lb**	4	X

○ - General digging ☐ - Light-duty operation X - Not available

WORKING RANGE

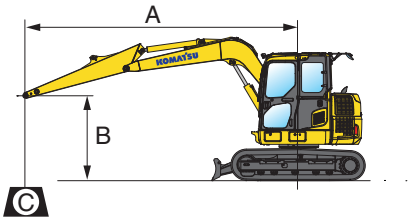


	Boom Length	**3710 mm**	**12'2"**
	Arm Length	**2250 mm**	**7'5"**
A	Maximum digging height	7650 mm	**25'1"**
B	Maximum dumping height	5550 mm	**18'3"**
C	Maximum digging depth	4660 mm	**15'3"**
D	Maximum vertical wall digging depth	3980 mm	**13'1"**
E	Max. digging depth of cut for 8' level bottom	4380 mm	**14'4"**
F	Maximum digging reach	6920 mm	**22'8"**
G	Maximum digging reach at ground	6780 mm	**22'3"**
H	Minimum digging reach at ground	1710 mm	**5'7"**
I	Minimum swing radius	2050 mm	**6'9"**
SAE rating	Bucket digging force	53.3 kN 5440 kgf / **11,982 lb**	
	Arm crowd force	33.3 kN 3380 kgf / **7,486 lb**	
ISO rating	Bucket digging force	61.3 kN 6250 kgf / **13,780 lb**	
	Arm crowd force	34.5 kN 3520 kgf / **7,756 lb**	

with road liner

LIFT CAPACITIES

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗ : Rating at maximum reach

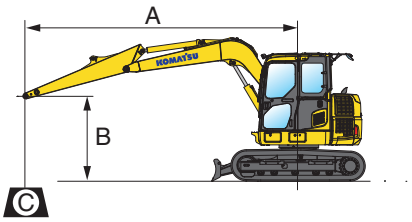
Conditions :
- 3710 mm **12' 2"** one-piece boom
- No bucket
- Blade on ground

Arm: 2250 mm **7'5"** (with ATT piping) **Shoes:** 450 mm **18"** Road Liner **Unit:** kg **lb**

A / B	1.5 m **4'11"**		3.0 m **10'**		4.5 m **14'9"**		⊗ **MAX**	
	Cf	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**
5 m **16' 5"**							* 1820 * **4020**	1570 **3470**
3 m **10 '**			* 2260 * **4980**	* 2260 * **4980**	* 1870 * **4130**	1550 **3420**	* 1700 * **3760**	1100 **2440**
0 m **0'**			* 3510 * **7750**	2460 **5420**	* 2290 * **5060**	1400 **3090**	* 1750 * **3870**	1010 **2240**
-2.0 m **6' 7"**	* 4490 * **9900**	* 4490 * **9900**	* 3040 * **6720**	2410 **5320**	* 1940 * **4290**	1370 **3030**	* 1720 * **3790**	1260 **2790**

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊗ : Rating at maximum reach

Conditions :
- 3710 mm **12' 2"** one-piece boom
- No bucket
- Blade on ground

Arm: 2250 mm **7'5"** (with ATT piping) **Shoes:** 450 mm **18"** Rubber Shoe **Unit:** kg **lb**

A / B	1.5 m **4'11"**		3.0 m **10'**		4.5 m **14'9"**		⊗ **MAX**	
	Cf	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**
5 m **16' 5"**							* 1820 * **4020**	1530 **3380**
3 m **10 '**			* 2260 * **4980**	* 2260 * **4980**	* 1870 * **4130**	1510 **3330**	* 1700 * **3760**	1070 **2370**
0 m **0'**			* 3510 * **7750**	2380 **5260**	* 2290 * **5060**	1350 **2990**	* 1750 * **3870**	980 **2170**
-2.0 m **6' 7"**	* 4490 * **9900**	* 4490 * **9900**	* 3040 * **6720**	2340 **5150**	* 1940 * **4290**	1330 **2940**	* 1720 * **3790**	1220 **2700**

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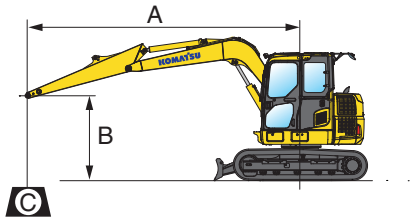
LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊛: Rating at maximum reach

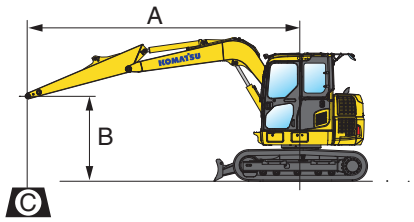
Conditions :
- 3405 mm **11' 2"** one-piece boom
- No bucket
- Blade off ground

Arm: 2250 mm **7'5"** (with ATT piping) **Shoes:** 450 mm **18"** Road Liner **Unit:** kg **lb**

A / B	1.5 m **4'11"**		3.0 m **10'**		4.5 m **14'9"**		⊛ **MAX**	
	Cf	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**
5 m **16' 5"**							* 1820 * **4020**	1570 **3470**
3 m **10 '**			* 2260 * **4980**	* 2260 * **4980**	1830 **4030**	1550 **3420**	1290 **2860**	1100 **2440**
0 m **0'**			3050 **6730**	2460 **5420**	1670 **3680**	1400 **3090**	1200 **2640**	1010 **2240**
-2.0 m **6' 7"**	* 4490 * **9900**	* 4490 * **9900**	3000 **6610**	2410 **5320**	1640 **3620**	1370 **3030**	1500 **3320**	1260 **2790**

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

LIFTING CAPACITY WITH LIFTING MODE



A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side
⊛: Rating at maximum reach

Conditions :
- 3405 mm **11' 2"** one-piece boom
- No bucket
- Blade off ground

Arm: 2250 mm **7'5"** (with ATT piping) **Shoes:** 450 mm **18"** Rubber Shoe **Unit:** kg **lb**

A / B	1.5 m **4'11"**		3.0 m **10'**		4.5 m **14'9"**		⊛ **MAX**	
	Cf	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**	**Cf**	**Cs**
5 m **16' 5"**							1800 **3980**	1530 **3380**
3 m **10 '**			* 2260 * **4980**	* 2260 * **4980**	1780 **3930**	1510 **3330**	1260 **2780**	1070 **2370**
0 m **0'**			2960 **6540**	2380 **5260**	1620 **3570**	1350 **2990**	1160 **2570**	980 **2170**
-2.0 m **6' 7"**	* 4490 * **9900**	* 4490 * **9900**	2910 **6420**	2340 **5150**	1590 **3510**	1330 **2940**	1460 **3220**	1220 **2700**

*Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard No. 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

STANDARD EQUIPMENT

- 2320 mm **7'8"** blade
- Alternator, 24 Ampere, 60V
- AM/FM radio
- Automatic engine warm-up system
- Automatic air conditioner/heater
- Auxiliary input (3.5mm jack)
- Battery disconnect switch
- Converter, (2) x 12V
- Counterweight, 490 kg **1,080 lb**
- Dry type air cleaner, double element
- Electric horn
- EMMS monitoring system
- Engine, Komatsu SAA4D95LE-6
- Engine overheat prevention system
- Extended work equipment grease interval
- Fan guard structure
- Fuel system pre-cleaner 10 micron
- Hydraulic control unit, 1 actuator
- Hydraulic track adjusters
- KOMTRAX®
- Large LCD color monitor, high resolution
- Lock lever
- Mirrors, (LH and RH)
- Operator Protective Top Guard (OPG), Level 1
- Pattern change valve (ISO to BH control)
- PPC hydraulic control system
- Pump/engine room partition cover
- Radiator and oil cooler dustproof net
- Rear reflectors
- Rearview monitoring system (1 camera)
- Revolving frame undercovers
- ROPS cab
- Seat belt, retractable, 76mm **3"**
- Seat belt indicator
- Secondary engine shutoff switch
- Service valve
- Skylight
- Slip resistant foot plates
- Starter motor, 4.5kW
- Suction fan
- Thermal and fan guards
- Travel alarm
- Working lights, 2 cab/1 boom LH
- Working mode selection system

OPTIONAL EQUIPMENT

- Arms
  - 2250 mm **7'5"** arm assembly
- Boom
  - 3710 mm **12'2"** arm assembly
- Shoes, road liner, 450 mm **18"**
- Shoes, triple grouser, 450 mm **18"**
- Shoes, triple grouser, 600 mm **24"**
- Shoes, rubber shoe, 600 mm **24"**
- Track roller guard
- Blade assembly 2330 mm **7'8"**
- Wide blade 2470 mm **8'1"** (requires 600 mm **24"** shoes)

ATTACHMENT OPTIONS

- Hydraulic couplers

For a complete list of available attachments, please contact your local Komatsu distributor.

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