# **KOMATSU**® WA150-6



HORSEPOWER Gross: 74 kW 99 HP / 2200 min<sup>-1</sup> Net: 73 kW 98 HP / 2200 min<sup>-1</sup>

> **OPERATING WEIGHT** 7780 – 8125 kg

BUCKET CAPACITY 1.2 – 1.7 m<sup>3</sup>



# WALK-AROUND







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HIGH PRODUCTIVITY & LOW FUEL CONSUMPTION

- Faster Travel & Lower Fuel Consumption
- Highly Efficient Hydrostatic Transmission (HST)
  - Electronically-controlled HST with Variable Shift Control System
- Useful Functions Given by HST
- Variable Traction Control System
- Maximum Dumping Clearance and Reach

# INCREASED RELIABILITY

- Komatsu Components
- High-rigidity Frames and Loader Linkage
- Wet Multiple-disc Brakes and Fully Hydraulic Braking System

# **EXCELLENT OPERATOR ENVIRONMENT**

- Pillar-less Large Cab
- Great Rear Visibility
- **Best Position for Comfort**
- Easy-to-operate Loader Control Mono-lever

# EASY MAINTENANCE

- Maintenance Accessibility
- Protective Guards
- Equipment Management Monitoring System
- Easy Radiator Cleaning

# SAFETY

- **ROPS/FOPS Cab** (ISO 3471/ISO 3449)
- Rear-hinged Full Open Cab Door

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# HIGH PRODUCTIVITY & LOW FUEL CONSUMPTION



### Faster Travel & Lower Fuel Consumption

#### High performance SAA4D95LE-5 engine

Electronic heavy duty common rail fuel injection system provides optimum combustion of fuel. This system also provides fast throttle response to match the machine's powerful tractive effort and fast hydraulic response.

Net: 73 kW 98 HP

#### Low emission engine

This engine is U.S. EPA Tier 3 and EU Stage 3A emissions certified, without sacrificing power or machine productivity.

#### Low fuel consumption

The high-torque engine and HST with maximum efficiency in the low-speed range provide low fuel consumption.



#### **ECO** indicator

The ECO indicator will inform the operator when the machine is maximizing fuel efficiency.



ECO indicator

### **Highly Efficient HST**

# Electronically-controlled HST with a variable pump and 2-motor system

Komatsu HST system allow a highly efficient and powerful operation. Increasing pump capacity and variable input torque control of new electronically controlled HST pump enable the engine to run at the best speed range and reduce fuel consumption.

#### The efficiency of HST motors

HST provides quick travel response and aggressive drive into the pile. The variable displacement system automatically adjusts to the tractive effort demand to provide maximum power and efficiency. When high drive torque is needed, both motors are engaged to provide highest torque. Maximum rim pull can provided from zero travel speed. This combination makes the loader very aggressive and quick at digging, climbing or initiating movement. When high travel speed is needed, clutch cuts off the low speed motor to eliminate drag and achieve excellent fuel efficiency.



#### **Electronically-controlled HST with Variable Shift Control System**

#### Full auto-shifting

Full auto shifting eliminates any gear shifting and kick-down operation to allow the operator to concentrate on digging and loading.

#### Variable shift control system

The variable shift control system allows setting the top speed for increased safety and precision. The operator can choose between first, second, third or fourth maximum speeds by dialing the speed range selector switch. For v-cycles, the operator can set the speed control switch to 1 or 2, which provides aggressive digging, quick response and fast hydraulics. For load and carry, select 3 or 4 which still provides aggres-

sive digging but with much faster travel speed.



#### Variable and fine travel speed control

When the variable shift control switch is in 1st speed, around speed can be adjusted between 5.5 km/h and 13.6 km/h with the fine control. This allows constant low driving speeds that are perfectly adjusted to applications such as lawn mowing or milling jobs.





 Speed range selector switch 2 Variable shift control switch

### **Useful Functions Given by HST**

#### Self braking effect of the HST drive lines

The self braking effect of the HST drive line slows down the machine when the accelerator pedal is released. It can hold the loader in position on workable slopes, and it will be an advantage in stockpiling or ramp loading. Also it prevents uncontrolled rolling. Safety is greatly improved especially when working in confined spaces or inside industrial buildings. In addition, brake wear is practically eliminated.

#### Improved inching performance

Electronically controlled HST brake provides improved inching performance of the machine and demonstrates ideal braking control when the machine is travelling and working.

#### Accelerator pedal sensitive intelligent HST control

Finely-tuned HST control according to the accelerator pedal angle achieves variable clutch timing by machine speed and motor shift control in quick acceleration. It reduces shocks and allows smoother traveling and better energy-saving operation.



#### **Overrun prevention system**

Overrun prevention system will secure safety in downhill and protect the power train and brake components from overload. When the travel speed reaches 40 km/h, the caution lamp informs the operator to reduce the speed. When the machine descends a moderate slope (6 degrees or less), maximum travel speed is automatically limited to 40 km/h.

Notes: When the machine descends a steep slope, it is necessary to use the service brake to reduce the speed for safety.



### Variable Traction Control System

The variable traction control system optimizes the digging traction automatically depending on working condition by controlling HST pump, motor and engine. Combined with the function of torque proportioning differentials, or optional limited slip differential this system exerts the following effects.

- Facilitates operation on soft ground where the tires of the machine are apt to slip.
- Eliminates excessive bucket penetration and reduces tire slippage during stockpile loading to improve the work efficiency.
- Reduces tire slippage to extend the life of tires. Furthermore, the maximum tractive effort can be adjusted in five

stages while the traction control switch is ON. This allows the operator to select the optimum tractive effort for diversified road conditions.



System

**(S**)

# S-mode position

Traction control

ON position

Traction control OFF (MAX) position

#### S-mode

Setting the switch to S-mode allows the machine to get the optimum driving force for operations on slippery road surfaces, like snow-removal on snow surface, resulting in reduced tire slippage and facilitation of the operation. Unexpected tire slippage on slippery road surface is suppressed by controlling

the engine speed and HST motor when traveling at a low speed. (S-mode is effective only in forward traveling.)



#### Max. traction switch

Max. traction switch is located on the work equipment control lever. When traction control switch is at ON position or S-mode is selected, pushing this switch cancels the setting of the traction control temporarily and increases the tractive effort to its 100% value. Then pushing the max. traction switch again or operating the F/R lever returns the tractive effort to

the set value automatically. This switch is useful for operations such as piling up work where large tractive effort is required temporarily.



Max. traction

#### Maximum Dumping Clearance and Reach

The long lift arms provide high dumping clearances and maximum dumping reach. The operator can even level loads on the body of a dump truck easily and efficiently.



# **INCREASED RELIABILITY**



### **Komatsu Components**

Komatsu manufactures the engine, transfer case and hydraulic components on this wheel loader. Komatsu loaders are manufactured with an integrated production system under a strict quality control Front axle Transfer system.



### **High-rigidity Frames and Loader Linkage**

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

#### Wet Multiple-disc Brakes and Fully Hydraulic **Braking System**

This system result in lower maintenance costs and higher reliability. Wet multiple-disc brakes are fully sealed. Contaminantsare kept out, reducing wear and resulting maintenance. Brakes require no adjustments for wear, meaning even lower maintenance. The parking brake is also an adjustment-free, 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. Provides hydraulic backup should one of the circuits fail.

Fully hydraulic brakes mean no air system to bleed, or the condensation of water in the system that can lead to contamination, corrosion, and freezing.





### **Reliable Hydraulic Line**

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.



# **Sealed Connectors**

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



# **EXCELLENT OPERATOR ENVIRONMENT**



The large space cab offers exceptional driver's comfort - comparable to a passenger car. The large, frameless window gives an unobstructed view of the bucket and tires while the slanted rear end ensures a clear view to the rear. The low-noise designed cab with the air-cushioned seat and the fully adjustable console inside allow the operator to work comfortably and productively over long period.

# Pillar-less Large Cab

A wide pillar-less flat glass provides excellent front visibility. The wiper arm covers a large area to provide great visibility even on rainy days. The large cab area providing maximum space for the operator. The front mounted air conditioner (A/C) was introduced to increase seat reclining and backward slide adjustment.



# **Great Rear Visibility**

Center lined muffler and air intake piping provides great rear right and left hand side visibility.



# **Best Position for Comfort**

# Tiltable steering column

The operator can tilt the steering column to provide a comfortable working position.



# Adjustable wrist rest

The height of wrist rest is adjustable. It allows operators to adjust the controls to a comfortable position.



# Low-noise Design

The large cab is mounted with Komatsu's unique ROPS/ FOPS (ISO 3471/ISO 3449) 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, dustproof with pressurizing, and comfortable operating environment.



Operator's ear noise level: 72 dB(A) Dynamic noise level (Outside): 104 dB(A)

# **Electronically Controlled Directional Lever**

The operator can change direction with a touch of his fingers without removing his hand from the steering wheel. Solid

state electronics makes this possible.



# Easy-to-operate Loader Control Mono-lever

The new mono-lever using Proportional Pressure Control (PPC) allows the operator to easily operate the work equipment, to reduce operator fatigue and to increase controllability. The adjustable wrist rest provides the operator with a variety of comfortable operating positions.

# **Right-side Control Panel**

The operator can easily select the speed range, maximum travel speed in 1st, tractive effort.



Loader control mono-lever
 Speed range selector switch
 Variable shift control switch
 Traction control switch
 Max. traction switch
 Fan reverse switch

# Options

#### 12 V outlet

In addition to 24 V cigarette lighter, 12 V outlet is provided in the cab.

#### **Electronically Controlled Suspension System**

Electronically Controlled Suspension 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. Electronically Controlled Suspension Sys-

tem operation is speed sensitive and turned off automatically below 5 km/h speed, meaning that the boom won't move during stationary digging.

> \* Image is for illustration purpose



# EASY MAINTENANCE



# Maintenance Accessibility

#### Designed to save time

With long service intervals and best-in-class accessibility, the WA150-6 reduces the time and money you need to suspend on maintenance. A gas spring helps the operator open and close each gull-wing side door for easy daily servicing.

#### Simple and convenient access to service

The service doors are designed as gull-wing doors. They allow you convenient and safe access to the daily service points from the ground.



### **Protective Guards**

**Thermal safety guards** Thermal guards for high temperature exhaust manifold are installed.



Rotating safety guards

Protective guards for rotating parts of the alternator and the air conditioner compressor are installed.



### Equipment Management Monitoring System

Komatsu's new main monitor keeps the operator informed of all machine functions at a glance. The monitor is located behind the steering wheel and displays different machine functions including fluid/filter change intervals and troubleshooting memory display functions. The main gauges are analog type for easy viewing and other functions utilize lighted symbols or Liquid Crystal Display (LCD) readouts.

#### Maintenance control and troubleshooting functions

- Action code display function: If an abnormality occurs, the monitor displays action details on the character display at the bottom center of the monitor.
- Monitor function: Controller monitors engine oil level, pressure, coolant temperature, air cleaner clogging, etc. If controller finds abnormalities, the error is displayed on LCD.
- **Replacement time notice function:** Monitor informs replacement time of oil and filters on LCD when replacement intervals are reached.
- **Trouble data memory function:** Monitor stores abnormalities for effective troubleshooting.



Engine coolant temperature
 Speedometer
 Fuel gauge
 HST oil temperature gauge
 Character display
 Inspection and maintenance items pilot lamp

# **Easy Radiator Cleaning**

**Hydraulic driven fan with reverse rotation** If the machine is operating in adverse conditions, the operator can reverse the hydraulic cooling fan from inside the cab by pressing a switch on the control panel.

Automatic reversible fan (Optional) The engine fan is driven hydraulically and can be operated in reverse automatically. When the switch is in the automatic position, the fan revolves in reverse for 2 minutes every 2 hours intermittently (Default setting).





Manual reverse mode



Auto reverse mode (Alternate)



Hydraulic driven fan



#### Side-by-side cooling unit

The cooling system is isolated from the engine by a bulkhead to provide more efficient cooling and low noise. The radiator, air-to-air cooler and oil cooler are mounted side-by-side for more efficient cooling and easy cleaning. A fully-opening, gas spring assisted rear grille gives the operator excellent access to the swing-out fan and coolers.

# SAFETY



# **ROPS/FOPS** Cab

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



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

### **Rear-hinged Full Open Cab Door**

The cab door hinges are installed to the rear side of the cab providing a large opening angle for the operator to enter and exit. The steps are designed like a staircase, so that the operator can get on and off the cab easily.



# Alternate Exit of Cab

The door on the right side of the cab is provided as an alternate exit for use when the operator cannot get out through the door on the left side.

# **Other Safety Features**

#### Two independent lines brake system

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.

#### Secondary steering (Optional)

If the steering pump is disabled, a secondary steering pump provides hydraulic flow.

#### Battery disconnect switch (Optional)

The battery disconnect switch is located in the right side battery box. This can be used to disconnect power when performing service work on the machine.

# KOMTRAX

# **KØMTRAX**

The Komatsu remote monitoring and management technology provides insightful data about your equipment and fleet in user-friendly format.

### **Energy Saving Operation Report**

KOMTRAX delivers the energy-saving operation report based on the operating information such as fuel consumption, load summary and idling time, which helps you efficiently run a business.



### **Equipment Management Support**

Through the web application, a variety of search parameters are available to quickly find information about specific machines based on key factors. Moreover, KOMTRAX finds out machines with problems from your fleet and shows you through an optimal interface.



Periodic maintenance

The report contents and data depend on the machine model.

# **Optimal Strategy for Efficient Work**

The detailed information that KOMTRAX puts at your fingertips helps you manage your fleet conveniently on the web anytime, anywhere. It gives you the power to make better daily and

long-term strategic decisions.





# **SPECIFICATIONS**



#### ENGINE

Model       Komatsu SA44D95LE-5         Type.       Water-cooled, 4-cycle         Aspiration       Turbocharged, aftercooled         Number of cylinders       4         Bore x stroke.       95 mm x 115 mm         Piston displacement       3.26 L         Governor       All-speed, electronic         Horsepower       All-speed, electronic
SAE J1995Gross 74 kW 99 HP
ISO 9249/SAE J1349*
Fan drive method for radiator cooling Hydraulic
Fuel systemDirect injection
Lubrication system: Method

\* Net horsepower at the maximum speed of radiator cooling fan is 71 kW 95 HP.

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



#### TRANSMISSION

Transmission:

Type .... Hydrostatic, 1 pump, 2 motors with speed range select Travel speed:

Measured with 17.5-25 tires

	1st	2nd	3rd	4th
Both Forward and	5.5 - 13.6	13.6	23.5	38.0
Reverse	km/h	km/h	km/h	km/h

Measured with 16.9-24 tires

	1st	2nd	3rd	4th
Both Forward and	5.3 - 13.0	13.0	22.4	36.2
Reverse	km/h	km/h	km/h	km/h



Drive system	Four-wheel drive
Front	Fixed, semi-floating
Rear	.Center-pin support, semi-floating,
	16° total oscillation
Reduction gear	Spiral bevel gear
Differential gear	
Final reduction gear	Planetary gear, single reduction



wet multiple-disc brakes actuate on four wheels Parking brake .....Wet, multiple-disc brake on transfer output shaft

Secondary brake ..... Parking brake is commonly used



Minimum turning radius at the center of outside tire . . . . 4675 mm

# **HYDRAULIC SYSTEM**

#### Steering system:

Steering system:
Hydraulic pump Gear type pump
Capacity 108 L/min at rated rpm
Relief valve setting
Hydraulic cylinders:
Type piston type
Number of cylinders2
Bore x stroke
Loader control:
Hydraulic pump Gear type pump
Capacity
Relief valve setting 20.6 MPa 210 kgf/cm <sup>2</sup>
Hydraulic cylinders:
Type piston type
Number of cylinders-bore x stroke:
Lift cylinder
Bucket cylinder 1- 110 mm x 452 mm
Control valve 2-spool type
Control positions:
Boom and float
Bucket
Hydraulic cycle time (Rated load in bucket)
Raise
Dump
Lower (Empty)
• • • •

# SERVICE REFILL CAPACITIES

Cooling system	L
Fuel tank	L
Engine	L
Hydraulic system	L
Front axle	L
Rear axle	L
Torque converter and transmission	L

# DIMENSIONS





#### Measured with 17.5-25-12PR (L-2) tires

		Standard Boom	High Lift Boom	
Α	Wheelbase	260	0 mm	
В	Ground clearance	425 mm		
C	Hitch height	82	5 mm	
D	Overall height, top of stack	252	0 mm	
Е	Overall height, top of ROPS cab	3060 mm		
F	Hinge pin height, max. height	3510 mm	4045 mm	
G	Hinge pin height, carry position	355 mm 520 mr		
н	Max. tilt back angle, carry position	45° 45°		
I	Steering angle, each direction	38°		
J	Turning radius, center of outside tire	4675 mm		
К	Tread	1780 mm		
L	Width over tires	2220 mm		

#### DIMENSIONS

#### Measured with 17.5-25-12PR (L-2) tires

		Standard Boom				
		Stockpile Bucket		Excavating Bucket		Light Material Bucket
		<b>B.O.C.</b> *2	Teeth	<b>B.O.C.</b> *2	Teeth	<b>B.O.C.</b> *2
Bucket Capacity:	Heaped	1.5 m³	1.4 m <sup>3</sup>	1.3 m <sup>3</sup>	1.2 m <sup>3</sup>	1.7 m <sup>3</sup>
	Struck	1.25 m <sup>3</sup>	1.2 m <sup>3</sup>	1.1 m <sup>3</sup>	1.05 m <sup>3</sup>	1.5 m <sup>3</sup>
Bucket Width		2390 mm	2390 mm	2390 mm	2390 mm	2390 mm
Bucket Weight		595 kg	540 kg	575 kg	520 kg	660 kg
Dumping Clearance, M	ax. Height and 45° Dump Angle <sup>*1</sup>	2730 mm	2670 mm	2770 mm	2710 mm	2655 mm
Reach at Max. Height a	and 45° Dump Angle <sup>*1</sup>	950 mm	1000 mm	910 mm	960 mm	1025 mm
Reach at 2130 mm Clearance and 45° Dump Angle		1380 mm	1395 mm	1355 mm	1375 mm	1415 mm
Reach with Arm Horizontal and Bucket Level		2025 mm	2100 mm	1965 mm	2040 mm	2130 mm
Operating Height (Fully Raised)		4655 mm	4655 mm	4585 mm	4585 mm	4735 mm
Overall Length		6285 mm	6365 mm	6225 mm	6305 mm	6390 mm
Loader Clearance Circle (Bucket at Carry, Outside Corner of Bucket)		10755 mm	10800 mm	10730 mm	10775 mm	10785 mm
Digging Depth:	0°	65 mm	75 mm	65 mm	75 mm	65 mm
	10°	230 mm	250 mm	220 mm	240 mm	245 mm
Static Tipping Load:	Straight	6745 kg	6800 kg	6785 kg	6840 kg	6650 kg
	40° Full Turn	5870 kg	5920 kg	5905 kg	5955 kg	5790 kg
Breakout Force		7400 kg	6780 kg	8010 kg	7290 kg	6530 kg
Operating Weight		7850 kg	7795 kg	7835 kg	7780 kg	7920 kg

		High Lit	ft Boom
		Excavating Bucket	
		<b>B.O.C.</b> *2	Teeth
Bucket Capacity:	Heaped	1.3 m <sup>3</sup>	1.2 m <sup>3</sup>
	Struck	1.1 m <sup>3</sup>	1.05 m <sup>3</sup>
Bucket Width		2390 mm	2390 mm
Bucket Weight		575 kg	520 kg
Dumping Clearance, Max.	Height and 42° Dump Angle <sup>*1</sup>	3335 mm	3275 mm
Reach at Max. Height and	42° Dump Angle⁺¹	1005 mm	1060 mm
Reach at 2130 mm Clearance and 45° Dump Angle		1840 mm	1865 mm
Reach with Arm Horizontal and Bucket Level		2405 mm	2485 mm
Operating Height (Fully Raised)		5125 mm	5125 mm
Overall Length		6805 mm	6885 mm
Loader Clearance Circle (Bucket at Carry, Outside Co	orner of Bucket)	11250 mm	11310 mm
Digging Depth:	0°	110 mm	115 mm
	10°	260 mm	280 mm
Static Tipping Load:	Straight	5195 kg	5260 kg
	40° Full Turn	4520 kg	4575 kg
Breakout Force		6665 kg	6065 kg
Operating Weight		8125 kg	8070 kg

\*1 At the end of tooth or Bolt on Cutting Edge (B.O.C.).

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 Bolt on Cutting Edges





#### Buckets

Туре	Feature	Image
Stockpile Bucket	This bucket is used for loading stockpile products, such as crushed rock and construction materials.	
Excavating Bucket	This bucket is used for excavating and loading blasted rock on rock crushing job sites, or for excavating natural ground. It has a flat-blade, straight cutting edge, and provides superior rigidity and wear resistance.	A CONTRACTOR
Loose/Light Material Bucket	This bucket is used for loading materials with comparatively light specific gravity. It is based on the stockpile bucket, with a lengthened cutting edge and width to give increased capacity.	

### ■ Cutting Edges and Teeth

Туре	Feature	Image
Cutting Edges	This edge is made for use in loading loose sand and soil, or for loading stockpiled materials. It is bolted to the leading edge of stockpile buckets and may be detached and reversed. The cutting edges are manufactured from especially heat treated, high tension steel, and since they are reversible, both edges can be used. This effectively doubles their working life.	Bolt on Cutting Edges (B.O.C.)
<b>Teeth</b> (Bolt on Type)	These teeth are suitable for loading or excavation of piles of earth or sand, blasted rock, and jobs in the field that involve digging into the side of slopes. The special heat treated, tensile strength steel alloy used in their production assures that they will wear and have a long service life.	jaje Boy



#### WEIGHT / DIMENSIONS

Tires/Attachments	Change in Operating Weight	Change in Tipping Load Straight	Change in Tipping Load Full Turn	Width Over Tires	Ground Clearance	Change in Vertical Dimensions
17.5-25-12PR (L-2)	0 kg	0 kg	0 kg	2220 mm	425 mm	0 mm
16.9-24-10PR (L-2)	-150 kg	-110 kg	-95 kg	2250 mm	400 mm	-25 mm
<b>15.5-25-8PR</b> (L-2)	-140 kg	-100 kg	-90 kg	2180 mm	390 mm	-35 mm
Install ROPS (ISO 3471) Canopy (Instead of Cab)	-300 kg	-270 kg	-245 kg			
Install Additional Counterweight	50 kg	270 kg	235 kg			



### STANDARD EQUIPMENT

#### **ENGINE/POWER TRAIN:**

- Engine, Komatsu SAA4D95LE-5 diesel
- Engine shut-off system, electric
- Fuel pre-filter with water separator
- Service brakes, wet multiple-disc type
  Transmission (Hydrostatic with speed
- range select), automatic
- Wet disc parking brake

#### ELECTRICAL SYSTEM:

- Alternator, 60 A
- Back-up alarm
- Batteries, 2 x 12 V/92 Ah
- Lights
- 4 front, 2 rear Back up
- Turn signal with hazard
- Starting motor, 24 V/5.5 kW

#### HYDRAULIC SYSTEM:

- 2-spool valve for boom and bucket controls
- Hydraulic driven fan with reverse rotation
- Hydraulic oil cooler
- Lift cylinders and bucket cylinder

#### CAB:

- Air conditioner
- Auto shift transmission with mode select system
- Cigarette lighter (24 V) and ashtray
- Floor mat
- Front & rear window washer and wiper
- Main monitor panel with Equipment Management Monitoring System
- PPC hydraulic control, mono leverRear heated glass (Electric)

- Rear under view mirror
- Rear view mirror for cab
- ROPS/FOPS (ISO 3471/ISO 3449) cab
- Seat, rigid type with reclining
- Seat belt
- Steering wheel, tiltable
  Sun visor

#### WORK EQUIPMENT:

- Bucket positioner
- Counterweight
  - Loader linkage with standard lift boom

#### **OTHER EQUIPMENT:**

- Radiator mask, lattice type
- Tires (17.5-25-12PR, L-2 tubeless)

#### **OPTIONAL EQUIPMENT**

#### ENGINE/POWER TRAIN:

- Engine pre-cleaner with extension
- Limited slip differential (Front & rear)
- Power train guard

#### ELECTRICAL SYSTEM:

- 12 V outlet
- Battery disconnect switch

#### HYDRAULIC SYSTEM:

- 3-spool valve
- Hydraulic driven fan with automatic reverse rotation
- Secondary steering (SAE)

#### .

- CAB: • AM/FM radio
- AM/FM stereo radio cassette
- Deluxe suspension seat
- ROPS (ISO 3471) canopy

#### WORK EQUIPMENT:

- Additional counterweight
- Bolt on Cutting Edges (B.O.C.)
- Boom kick-out
- Bucket teeth (Bolt-on type)

#### High lift boom

#### **OTHER EQUIPMENT:**

- Electronically Controlled Suspension System
- Fire extinguisher
- Front fenders
- Ordinary spare parts
- Rear full fenders
- Tool kit
- Vandalism protection kit

# KOMATSU TOTAL SUPPORT





### Komatsu Total Support

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

#### **Fleet recommendation**

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

#### **Product support**

Komatsu Distributor gives the proactive support and secures the quality of the machinery that will be delivered.

#### Parts availability

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

#### **Technical support**

Komatsu product support service (Technical support) is designed to help customer. Komatsu Distributor offers a variety of effective services to show how much Komatsu is dedicated to the maintenance and support of Komatsu machine.

- Preventive Maintenance (PM) clinic
- Oil & Wear analysis program

#### Repair & maintenance service

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

# Komatsu Reman (Remanufactured) components

Komatsu Reman products are the result of the implementation of the Komatsu global



policy which establishes and agrees to reduce the owning, operating and total Life Cycle Costs (LCC) to Komatsu's customer through high quality, prompt delivery and competitively priced in own remanufactured products (QDC).



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