### $4.7 - 6.8 \text{ yd}^3$

# KOMATSU®

### **WA470-5**





Photo may include optional equipment.

### WA470-5 Wheel Loader

# 

### **High Productivity** & Low Fuel Consumption

- Powerful engine
- Dual-mode engine power select system
- Transmission mode select system
- Dual speed hydraulic system
- Superior dumping clearance and reach
- Long wheelbase and 40 degree articulation

### **Excellent Operator Environment**

- Automatic transmission with selectable modes
- Electrically controlled transmission lever
- Fingertip control levers
- Pillar-less large ROPS/FOPS cab
- Easy entry/exit, rear-hinged doors
- Telescopic/tilt steering column

See page 8.



### Harmony with Environment

- EPA Tier 2 and EU Stage 2 emissions certified
- Low fuel consumption

### WA470-5

### Increased Reliability NET HORSEPOWER 195 kW 261 HP @ 2000

- Reliable Komatsu designed and manufactured components
- Sturdy main frame
- Maintenance-free fully hydraulic, wet disc service and parking brakes
- All hydraulic hoses use flat face O-ring seals
- Cathion electrodeposition process is used to apply primer paint
- Powder coating process is used to apply on main structure
- Sealed DT connectors for electrical connections

195 kW 261 HP @ 2000 rpm

OPERATING WEIGHT

**22085– 22315 kg** 48,690–49,195 lb

**BUCKET CAPACITY 3.6 – 5.2 m³** 4.7–6.8 vd³



Photo may include optional equipment.

### Easy Maintenance

- "EMMS" (Equipment Management Monitoring System)
- Reversible radiator fan (optional)
- Swing-out aftercooler and oil coolers
- Prolonged engine oil change interval
- Ground check for windshield washer tank and coolant tank
- Easy access gull-wing type engine side doors

See page 7.

## 

### High Productivity and Low Fuel Consumption

### **Powerful Engine**

The electronically controlled fuel injection timing in the SAA6D125E-3 engine provides optimum combustion of fuel at both low and high speed/power applications. This system also provides fast throttle response to match the machine's powerful rim pull and fast hydraulic response.

#### 195 kW 261 HP

The common rail type fuel injection system provides maximum power with minimum emissions. This engine is EPA Tier 2 and EU Stage 2 emissions certified.

### **Low Fuel Consumption**

The fuel consumption is reduced greatly because of the low-noise, high-torque engine and the large-capacity torque converter with maximum efficiency in the low-speed range.

**Reduction of Fuel Consumption:** 15% (compared with Dash 3 technology).

### **Dual-Mode Select System**

This wheel loader offers two selectable operating modes— Normal and Power. The operator can adjust the machine's performance by flipping a switch.

- Normal Mode: This mode provides maximum fuel efficiency for most of general loading.
- Power Mode: This mode provides maximum power output for hard digging operation or hill climb.



### **Transmission Mode Select System**

This operator controlled system allows the operator to select manual shifting or three levels of automatic shifting (low, medium, and high).



- Manual: Transmission is fixed to gear speed selected with gear shift lever.
- Auto. L: This mode provides smooth gear change and low fuel consumption since gear

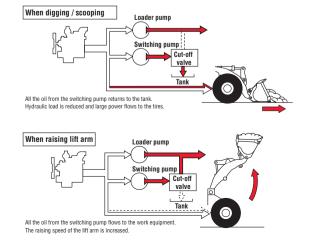
shifting is performed at relatively low engine speeds, suitable for general excavating and loading.

- Auto. M: Gear is shifted at medium engine speeds between those of L and H modes.
- Auto. H: This mode provides large rim pull and short cycle time since gear shifting is performed at relatively high engine speeds, suitable for load and carry operation on uphill.

#### **New Dual-Speed Hydraulic System**

Komatsu's dual-speed hydraulic system increases operational efficiency by matching the hydraulic demands to work conditions.

Oil from the switch pump is completely returned to the tank when digging and breaking out, therefore, hydraulic flow to the loader is reduced and pressure is increased. This reduces horsepower demand from the engine and makes the operation more efficient. Kick-down switch signal also controls the oil flow. This new technology is greater productivity at the lowest operating cost.





### **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.

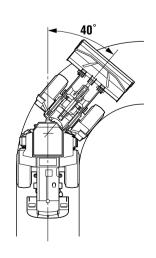
Dumping Clearance: 3185 mm 10'5" Dumping Reach: 1235 mm 4'1"

(4.2 m<sup>3</sup> 5.5 yd<sup>3</sup> bucket with B.O.C., 26.5-25 tires)

### Long Wheelbase/Articulation Angle of 40°

The longest wheelbase in class and the widest tread provide improved machine stability in both longitudinal and lateral directions. Since the articulation angle is 40°, the operator can work efficiently even in the tightest job sites.

Tread	2300 mm 7'7"
Wheelbase	<b>3450 mm</b> 11'4"
Minimum turning radius (center of outside tire)	<b>5900 mm</b> 19'4"

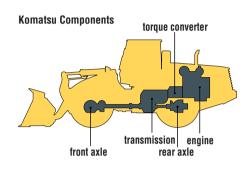


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### **Komatsu Components**

Komatsu manufactures the engine, torque converter, transmission, hydraulic units, electric parts, and even each bolt on this

wheel loader.
Komatsu
loaders are
manufactured
with an
integrated
production
system under
a strict quality
control system.



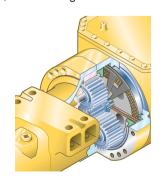
### Wet multi-disc brakes and fully hydraulic braking

**system** mean lower maintenance costs and higher reliability. Wet disc brakes are fully sealed. Contaminants are kept out, reducing wear and resulting maintenance. Brakes require no adjustments for wear, meaning even lower maintenance. The new parking brake is also an adjustment-free, wet multi-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.



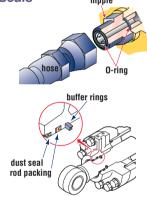


### **High-rigidity Frames**

The front and rear frames have high rigidity to bear twisting and bending loads applied repeatedly to the loader body. Both upper and lower center pivot bearings are tapered roller bearings having high durability. The structure is similar to those of large-sized loaders and the reinforced loader linkage also ensures high rigidity.

### Flat Face-to-Face O-Ring Seals

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



### Cathion Electrodeposition Primer Paint/ Powder Coating Final Paint

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

### **Sealed DT Connectors**

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

# NIVILEUWIGE TV2A

### EMMS (Equipment Management Monitoring System)

Monitor is mounted in front of the operator allowing the



operator to easily check gauges and warning lights. A specially designed two-spoke steering

wheel allows the operator to easily see the instrument panel.

### **Maintenance Control and Troubleshooting Functions**

- Action code display function. If the loader has any troubles, the monitor displays action details on the character display at the center bottom of the monitor.
- Monitor function. Controller monitors engine oil level, pressure, coolant temperature, air cleaner clogging etc.
   If controller finds abnormalities, all of these are displayed on LCD.
- Replacement time notice function. Monitor informs replacement time of oil and filters on LCD when it reaches replacement intervals.
- Trouble data memory function. Monitor stores abnormalities for effective troubleshooting.

### Reversible Cooling Fan (Optional) and Swing-out Cooler Elements



If the machine is operating in adverse conditions, the operator can reverse the hydraulic cooling fan from inside the cab by turning on a switch on the control panel. The coolers can also swing out for easy cleaning.



#### **Gull-wing Type Engine Side Doors Open Wide**

The operator can open and close each gull-wing type engine side door easily with the assistance of a gas spring to perform daily service checks from the ground.

#### **Lengthened Maintenance Interval**

Lengthened engine oil replacement interval:

250 H → 500 H

Lengthened drive shaft greasing interval:

1000 H → 4000 H

# OPERATORS THE MANUELLE

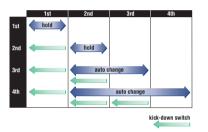
### Easy Operation

#### **Automatic Transmission with ECMV**

Automatic transmission with ECMV automatically selects the proper gear speed based on travel speed, engine speed, and other travel conditions. The ECMV (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.

#### Kick-down

switch: Consider this valuable feature for added productivity. With the touch of a finger, the kick-down switch



automatically downshifts from second to first when beginning the digging cycle. It automatically upshifts from first to second when the direction control lever is placed in reverse. This results in increased rim pull for better bucket penetration and reduced cycle times for higher productivity.

 Hold switch: Auto shift is selected and if the operator turns on this switch when the lever is at the 3rd or 4th gear speed position, the transmission is fixed to that gear speed.

#### **Electrically Controlled Transmission Lever**



Easy shifting and directional changes with Komatsu two-lever electronic shifting. Change direction or shift gears with a touch of the fingers without removing the shifting hand from the steering

wheel. Solid state electronics and conveniently located direction and gear shift controls make this possible. Automatic shifts in ranges two through four keep production high and manual shifting at a minimum.

#### **Variable Transmission Cut-off**

The operator can adjust the transmission cut-off connected to the left brake pedal with the switch near the operator's seat to set the brake/cut-off point for easier operation and higher operating performance in variable operating conditions.

- High cut-off pressure for digging operations.
- Low cut-off pressure for truck-loading operations.

### Telescopic/Tilt Steering Column

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



#### **Fingertip Work Equipment Control Lever**

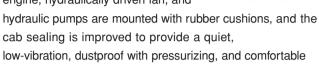
New PPC control levers are used for the work equipment. The operator can easily operate the work equipment with fingertip control, reducing operator fatigue and increasing controllability.



### Comfortable Operation

### Low-noise Design

The large cab is mounted with Komatsu's unique ROPS/FOPS viscous mounts. The low-noise engine, hydraulically driven fan, and



operating environment.



### 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 cab area is the largest in its class providing maximum space for the operator.

### 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.



### **Emergency Brake**

If the brake oil pressure drops, the warning lamp flashes and the warning buzzer sounds intermittently. If the brake pressure drops lower, the parking brake is applied providing a double safety system.



### SHECHICATIONS



Type	Komatsu SAA6D125E-3 Water-cooled, 4-cycle Turbocharged
,	<b>125 mm x 150 mm</b> 4.9" x 5.9"
	11.04 ltr 674 in <sup>3</sup>
Performance:	
Flywheel horsepower	<b>195 kW</b> 261 HP (SAE J1349)
	<b>195 kW</b> 265 PS (DIN 6270)
Rated rpm	2000 rpm
Fuel system	Direct injection
Governor	Electronic, all-speed control
Lubrication system:	
	.Dry type with double elements and
	dust evacuator, plus dust indicator
EPA Tier 2 and EU Stage 2 emiss	sions certified.



#### **TRANSMISSION**

Torque converter:
Type
Transmission:
TypeFull-powershift, countershaft type
Travel speed: km/h mph
Measured with 23.5-25 tires

	1st	2nd	3rd	4th	
Forward	<b>5.8</b> 3.6	<b>11.2</b> 7.0	<b>20.2</b> 12.6	<b>33.1</b> 20.6	
Reverse	<b>6.1</b> 3.8	<b>11.9</b> 7.4	<b>21.4</b> 13.3	<b>34.7</b> 21.6	

#### Measured with 26.5-25 tires

	1st	2nd	3rd	4th	
Forward	<b>6.3</b> 3.9	<b>12.1</b> 7.5	<b>21.7</b> 13.5	<b>34.9</b> 21.7	
Reverse	<b>6.7</b> 4.2	<b>12.8</b> 8.0	<b>23.0</b> 14.3	<b>36.0</b> 22.4	



#### **AXLES AND FINAL DRIVES**

Drive system	Four-wheel drive
Front	
Rear	.Center-pin support, semi-floating,
	30° total oscillation
Reduction gear	Spiral bevel gear
Differential gear	Conventional type
Final reduction gear	Planetary gear, single reduction



Service brakes	
	wet disc brakes actuate on four wheels
Parking brake	
Emergency brake	Parking brake is commonly used



Type	ticulated type, full-hydraulic power steering
	with orbit-roll system
Steering angle	40° each direction
Minimum turning radius at	
the center of outside tire .	<b>5900 mm</b> 19'4"



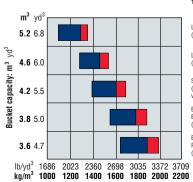
* HYDRAULIC SYSTEM
Steering system: Hydraulic pump
Bore x stroke
Relief valve setting
Control valve



Cooling system	<b>50 ltr</b> 13.2 U.S. gal
Fuel tank	.390 ltr 103.0 U.S. gal
Engine	38 Itr 10.0 U.S. gal
Hydraulic system	186 ltr 49.1 U.S. gal
Axle (each front and rear)	52 ltr 13.7 U.S. gal
Torque converter and transmission	<b>60 ltr</b> 15.9 U.S. gal



#### **BUCKET SELECTION GUIDE**



Material density: kg/m<sup>3</sup> lb/yd<sup>3</sup>

Light Material Bucket with BOC (Scooping and loading of light material)

Bucket fill factor

Loose Material Bucket with BOC (Loading of crushed stone and dry sand)

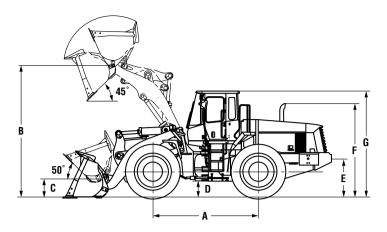
Stockpile Bucket with BOC (Loading and excavating of soil, sand and variety of other commonly handled material)

Excavating Bucket with BOC Excavating Bucket with Teeth and Segment Edge (Loading and excavating of crushed or blasted rock)

Excavating Bucket with Teeth Rock Bucket with Teeth (Spade Nose) (Loading and excavating of blasted rock)



Measured with 26.5-25-20PR (L3) tires



	Tread	2300 mm	7'7"
	Width over tires	3010 mm	9'11"
Α	Wheelbase	3450 mm	11'4"
В	Hinge pin height, max. height	4360 mm	14'4"
С	Hinge pin height, carry position	585 mm	1'11"
D	Ground clearance	525 mm	1'9"
Е	Hitch height	1240 mm	4'1"
F	Overall height, top of the stack	3080 mm	10'1"
G	Overall height, ROPS cab	3460 mm	11'4"

		Go	eneral Purp	ose Bucket	s		Rock Bucket	Loose Material			Light Material Bucket
		Stockpile	)		Excavating		Ducket	Bucket			
	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges
Bucket capacity: heaped	4.2 m³	4.2 m³	3.9 m³	3.8 m³	3.8 m³	3.6 m³	3.6 m³	4.6 m <sup>3</sup>	4.6 m³	4.3 m³	5.2 m³
struck	5.5 yd³ <b>3.5 m³</b>	5.5 yd³ <b>3.5 m³</b>	5.1 yd³ <b>3.3 m</b> ³	5.0 yd³ <b>3.2 m</b> ³	5.0 yd³ <b>3.2 m³</b>	4.7 yd³ <b>3.1 m³</b>	4.7 yd³ <b>3.1 m³</b>	6.0 yd³ <b>3.9 m³</b>	6.0 yd³ <b>3.9 m³</b>	5.6 yd³ <b>3.7 m</b> ³	6.8 yd³ <b>4.5 m³</b>
Struck	4.6 vd <sup>3</sup>	4.6 vd <sup>3</sup>	4.3 vd <sup>3</sup>	4.2 yd <sup>3</sup>	4.2 yd <sup>3</sup>	4.1 yd <sup>3</sup>	4.1 vd <sup>3</sup>	5.1 vd <sup>3</sup>	5.1 yd <sup>3</sup>	4.8 vd <sup>3</sup>	5.9 yd <sup>3</sup>
Bucket width	<b>3170 mm</b> 10'5"	<b>3190 mm</b> 10'6"	<b>3190 mm</b> 10'6"	<b>3170 mm</b> 10'5"	<b>3190 mm</b> 10'6"	<b>3190 mm</b> 10'6"	<b>3170 mm</b> 10'5"	<b>3170 mm</b> 10'5"	<b>3190 mm</b> 10'6"	<b>3190 mm</b> 10'6"	<b>3170 mm</b> 10'5"
Bucket weight	<b>2005 kg</b> 4,420 lb	<b>2055 kg</b> 4,530 lb	<b>1930 kg</b> 4,255 lb	<b>2150 kg</b> 4,740 lb		<b>2070 kg</b> 4,564 lb	<b>2165 kg</b> 4,773 lb	<b>2200 kg</b> 4,850 lb	<b>2250 kg</b> 4,960 lb	<b>2125 kg</b> 4,685 lb	<b>2185 kg</b> 4,817 lb
Dumping clearance, max. height and 45° dump angle*	<b>3185 mm</b> 10'5"	<b>3060 mm</b> 10'0"	<b>3060 mm</b> 10'0"	<b>3235 mm</b> 10'7"	<b>3110 mm</b> 10'2"	<b>3110 mm</b> 10'2"	<b>2975 mm</b> 9'9"	<b>3055 mm</b> 10'0"	<b>2930 mm</b> 9'7"	<b>2930 mm</b> 9'7"	<b>3035 mm</b> 9'11"
Reach at max. height and 45° dump angle*	<b>1235 mm</b> 4'1"	<b>1335 mm</b> 4'5"	<b>1335 mm</b> 4'5"	<b>1185 mm</b> 3'11"	<b>1285 mm</b> 4'3"	<b>1285 mm</b> 4'3"	<b>1435 mm</b> 4'8"	<b>1365 mm</b> 4'6"	<b>1465 mm</b> 4'10"	<b>1465 mm</b> 4'10"	<b>1385 mm</b> 4'7"
Reach at <b>2130 mm</b> (7') clearance and 45° dump angle	<b>1910 mm</b> 6'3"	<b>1950 mm</b> 6'5"	<b>1950 mm</b> 6'5"	<b>1880 mm</b> 6'2"	<b>1925 mm</b> 6'4"	<b>1925 mm</b> 6'4"	<b>2010 mm</b> 6'7"	<b>1980 mm</b> 6'6"	<b>2020 mm</b> 6'8"	<b>2020 mm</b> 6'8"	<b>1990 mm</b> 6'6"
Reach with arm horizontal and bucket level	<b>2750 mm</b> 9'0"	<b>2905 mm</b> 9'6"	<b>2905 mm</b> 9'6"	<b>2680 mm</b> 8'10"	<b>2835 mm</b> 9'4"	<b>2835 mm</b> 9'4"	<b>3035 mm</b> 9'11"	<b>2935 mm</b> 9'8"	<b>3090 mm</b> 10'2"	<b>3090 mm</b> 10'2"	<b>2960 mm</b> 9'9"
Operating height (fully raised)	<b>5960 mm</b> 19'7"	<b>5960 mm</b> 19'7"	<b>5960 mm</b> 19'7"	<b>5875 mm</b> 19'3"	<b>5875 mm</b> 19'3"	<b>5875 mm</b> 19'3"	<b>5875 mm</b> 19'3"	<b>5960 mm</b> 19'7"	<b>5960 mm</b> 19'7"	<b>5960 mm</b> 19'7"	<b>6185 mm</b> 20'4"
Overall length	<b>8765 mm</b> 28'9"	<b>8920 mm</b> 29'3"	<b>8920 mm</b> 29'3"	<b>8695 mm</b> 28'6"	<b>8850 mm</b> 29'0"	<b>8850 mm</b> 29'0"	<b>9050 mm</b> 29'8"	<b>8950 mm</b> 29'4"	<b>9105 mm</b> 29'10"	<b>9105 mm</b> 29'10"	<b>8975 mm</b> 29'5"
Loader clearance circle (bucket at carry, outside corner of bucket)	<b>13960 mm</b> 45'10"	<b>14080 mm</b> 46'2"	<b>14080 mm</b> 46'2"	<b>13930 mm</b> 45'8"	<b>14040 mm</b> 46'1"	<b>14040 mm</b> 46'1"	<b>13970 mm</b> 45'10"	<b>14060 mm</b> 46'2"	<b>14180 mm</b> 46'6"	<b>14180 mm</b> 46'6"	<b>14080 mm</b> 46'2"
Digging depth: 0°	80 mm	100 mm	100 mm	80 mm	100 mm	100 mm	85 mm	60 mm	80 mm	80 mm	60 mm
10°	3.1" <b>315 mm</b> 1'0"	3.9" <b>360 mm</b> 1'2"	3.9" <b>360 mm</b> 1'2"	3.1" <b>305 mm</b> 1'0"	3.9" <b>350 mm</b> 1'2"	3.9" <b>350 mm</b> 1'2"	3.3" <b>370 mm</b> 1'3"	2.4" <b>345 mm</b> 1'2"	3.1" <b>390 mm</b> 1'3"	3.1" <b>390 mm</b> 1'3"	2.4" <b>350 mm</b> 1'2"
Static tipping load: straight	<b>17215 kg</b> 37.950 lb	<b>17170 kg</b> 37.853 lb	<b>17295 kg</b> 38,130 lb	<b>17005 kg</b> 37.490 lb	<b>16955 kg</b> 37,380 lb	<b>17085 kg</b> 37,665 lb	<b>16990 kg</b> 37.455 lb	<b>17045 kg</b> 37,575 lb	<b>17000 kg</b> 37,479 lb	<b>17125 kg</b> 37.755 lb	<b>16970 kg</b> 37,410 lb
40° full turn	<b>14975 kg</b> 33,015 lb	<b>14930 kg</b> 32,915 lb	<b>15055 kg</b> 33,190 lb	<b>14770 kg</b> 32,560 lb	14720 kg	<b>14850 kg</b> 32,740 lb	<b>14755 kg</b> 32,530 lb	<b>14810 kg</b> 32,650 lb	<b>14765 kg</b> 32,551 lb	14890 kg	<b>14735 kg</b> 32,485 lb
Breakout force	<b>192 kN</b> 43,162 lb	<b>207 kN</b> 46,534 lb	<b>207 kN</b> 46,534 lb	<b>203 kN</b> 45,634 lb	<b>209 kN</b> 46,983 lb	<b>220 kN</b> 49,456 lb	<b>190 kN</b> 42,712 lb	<b>168 kN</b> 37,766 lb	<b>183 kN</b> 41,140 lb	<b>183 kN</b> 41,140 lb	<b>165 kN</b> 37,092 lb
Operating weight	<b>22165 kg</b> 48,865 lb	22210 kg	22085 kg	<b>22205 kg</b> 48,955 lb	22315 kg	<b>22185 kg</b> 48,910 lb	22280 kg	22225 kg	22270 kg	22145 kg	22300 kg

<sup>\*</sup>At the end of tooth or B.O.C.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab, Air conditioner 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.

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

Tires	Operating weight		Tipping load straight		Tipping load full turn		Width over tires		Ground clearance		Change in vertical dimensions	
	kg	lb	kg	lb	kg	lb	mm	ft in	mm	ft in	mm	ft in
26.5-25-20PR(L3)	0	0	0	0	0	0	3010	9'11"	525	1'9"	0	0
26.5-25-16PR(L3)	-70	-155	-50	-110	-45	-100	3010	9'11"	525	1'9"	0	0
26.5-25-20PR(L4)	+355	+780	+270	+595	+235	+520	3010	9'11"	525	1'9"	0	0
26.5-R25(L3)	+115	+235	+90	+200	+75	+165	3010	9'11"	525	1'9"	0	0
23.5-25-20PR(L3)	-460	-1,015	-350	-770	-300	-660	2920	9'7"	460	1'6"	-65	3"
23.5-25-20PR(L2)	-775	-1,710	-585	-1,290	-505	-1,115	2920	9'7"	460	1'6"	-65	3"
Remove ROPS cab with A/C	-730	-1,610	-670	-1,475	-585	-1,290						
Install additional counterweight	+400	+880	+1030	+2,270	+860	+1,895						



- 2-spool valve for boom and bucket controls
- Additional fuel filter with water separator
- Air conditioner

- Alternator, 50 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 150 Ah/2 x 12 V
- Boom kick-out
- Bucket positioner
- Counterweight

- Directional signal
- EMMS (Equipment Management Monitoring System)
- Engine, Komatsu SAA6D125E-3 diesel
- Engine shut-off system, electric
- Floormat
- Front fender
- Lift cylinders and bucket cylinder
- Loader linkage with standard lift arm
- Main monitor panel with speedometer
- PPC fingertip control, two levers
- Radiator mask, lattice type
- Rearview mirror

- Rear window washer and wiper
- ROPS/FOPS cab
- Seat, suspension type with reclining
- Seat belt
- Service brakes, wet disc type
- Starting motor, 7.5 kW/24 V
- Steering wheel, tiltable
- Sun visor
- Swing-out aftercooler and oil cooler
- Tires (26.5-25-20PR, L3 tubeless) and rims
- Transmission, 4 forward and 4 reverse



- 3-spool valve
- Additional counterweight
- AM/FM radio
- Brake cooling system
- Bucket teeth (bolt-on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt-on type)

- Deluxe suspension seat
- Emergency steering (SAE)
- Engine pre-cleaner with extension
- Heater and defroster
- High lift arm
- Hydraulic-driven fan with reverse rotation
- KOMTRAX
- Limited slip differential (F&R)

- Log grapple
- Ordinary spare parts
- Power train guard
- Remote grease (lift arm pivot pin)
- Starting motor, 11 kW
- Tool kit
- Vandalism protection kit

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Printed in Japan 201408 IP. AD

