

SPECIFICATIONS

WA200PZ-6



ENGINE

ModelKomatsu SAA4D107E-1
 Type Water-cooled, 4-cycle
 AspirationTurbocharged, aftercooled
 Number of cylinders4
 Bore x stroke **107 mm x 124 mm** 4.21" x 4.88"
 Piston displacement **4.46 ltr** 272 in³
 Governor All-speed, electronic
 Horsepower
 SAE J1995Gross **95.2 kW** 128 HP
 ISO 9249/SAE J1349*Net **94 kW** 126 HP
 Rated rpm2000 rpm
 Fan drive method for radiator coolingHydraulic
 Fuel systemDirect injection
 Lubrication system:
 MethodGear pump, force-lubrication
 Filter Full-flow type
 Air cleanerDry type with double elements and
 dust evacuator, plus dust indicator

*Net horsepower at the maximum speed of radiator cooling fan is 91 kW 122 HP.

EPA Tier 3 and EU Stage 3A emissions certified.



TRANSMISSION

Transmission:
 TypeHydrostatic, 1 pump, 2 motors with speed range select
 Travel speed: **km/h** mph
 Measured with 17.5-25 tires

	1st	2nd	3rd	4th
Both Forward and Reverse	4.0 - 13.0	13.0	20.0	34.5
	2.5 - 8.1	8.1	12.4	21.4

Measured with 20.5-25 tires

	1st	2nd	3rd	4th
Both Forward and Reverse	4.4 - 14.3	14.3	22.0	38.0
	2.7 - 8.9	8.9	13.7	23.6



AXLES AND FINAL DRIVES

Drive systemFour-wheel drive
 FrontFixed, semi-floating
 RearCenter-pin support, semi-floating,
 24" total oscillation
 Reduction gearSpiral bevel gear
 Differential gearTorque proportioning
 Final reduction gearPlanetary gear, single reduction



BRAKES

Service brakesHydraulically actuated,
 wet disc brakes actuate on four wheels
 Parking brakeWet, multi-disc brake on transfer output shaft
 Emergency brakeParking brake is commonly used



STEERING SYSTEM

TypeFull-hydraulic power steering
 Steering angle38° each direction (40° end stop)
 Minimum turning radius at
 the center of outside tire **5100 mm** 16'9"



HYDRAULIC SYSTEM

Steering system:
 Hydraulic pumpGear type pump
 Capacity **85 ltr/min** 22.5 U.S. gal/min at rated rpm
 Relief valve setting **20.6 MPa** 210 kgf/cm² 3,000 psi
 Hydraulic cylinders:
 TypeDouble-acting, piston type
 Number of cylinders2
 Bore x stroke **70 mm x 453 mm** 2.8" x 17.8"

Loader control:
 Hydraulic pumpGear type pump
 Capacity **54 ltr/min** 14.3 U.S. gal/min
 Relief valve setting **20.6 MPa** 210 kgf/cm² 3,000 psi
 Hydraulic cylinders:
 TypeDouble-acting, piston type
 Number of cylinders—bore x stroke:
 Lift cylinder2- **125 mm x 673.5 mm** 4.9" x 26.5"
 Bucket cylinder1- **150 mm x 504 mm** 5.9" x 19.8"

Control valve3-spool type
 Control positions:
 BoomRaise, hold, lower, and float
 BucketTilt-back, hold, and dump
 Hydraulic cycle time (rated load in bucket)
 Raise5.7 sec
 Dump1.6 sec
 Lower (Empty)3.2 sec



SERVICE REFILL CAPACITIES

Cooling system **17.0 ltr** 4.5 U.S. gal
 Fuel tank **177 ltr** 46.8 U.S. gal
 Engine **15.5 ltr** 4.1 U.S. gal
 Hydraulic system **58 ltr** 15.3 U.S. gal
 Axle (each front and rear) **18.0 ltr** 4.8 U.S. gal
 Torque converter and transmission **5.0 ltr** 1.3 U.S. gal

WA250PZ-6



ENGINE

ModelKomatsu SAA6D107E-1
 Type Water-cooled, 4-cycle
 AspirationTurbocharged, aftercooled
 Number of cylinders6
 Bore x stroke **107 mm x 124 mm** 4.21" x 4.88"
 Piston displacement **6.69 ltr** 408 in³
 Governor All-speed, electronic
 Horsepower
 SAE J1995Gross **104 kW** 140 HP
 ISO 9249/SAE J1349*Net **103 kW** 138 HP
 Rated rpm2000 rpm
 Fan drive method for radiator coolingHydraulic
 Fuel systemDirect injection
 Lubrication system:
 MethodGear pump, force-lubrication
 Filter Full-flow type
 Air cleanerDry type with double elements and
 dust evacuator, plus dust indicator

*Net horsepower at the maximum speed of radiator cooling fan is 100 kW 134 HP.

EPA Tier 3 and EU Stage 3A emissions certified.



TRANSMISSION

Transmission:
 TypeHydrostatic, 1 pump, 2 motors with speed range select
 Travel speed: **km/h** mph
 Measured with 17.5-25 tires

	1st	2nd	3rd	4th
Both Forward and Reverse	3.6 - 11.7	11.7	16.2	34.2
	2.2 - 7.3	7.3	10.1	21.2

Measured with 20.5-25 tires

	1st	2nd	3rd	4th
Both Forward and Reverse	4.0 - 13.0	13.0	18.0	38.0
	2.5 - 8.1	8.1	11.2	23.6



AXLES AND FINAL DRIVES

Drive systemFour-wheel drive
 FrontFixed, semi-floating
 RearCenter-pin support, semi-floating,
 24" total oscillation
 Reduction gearSpiral bevel gear
 Differential gearTorque proportioning
 Final reduction gearPlanetary gear, single reduction



BRAKES

Service brakesHydraulically actuated,
 wet disc brakes actuate on four wheels
 Parking brakeWet, multi-disc brake on transfer output shaft
 Emergency brakeParking brake is commonly used



STEERING SYSTEM

TypeFull-hydraulic power steering
 Steering angle38° each direction (40° end stop)
 Minimum turning radius at
 the center of outside tire **5175 mm** 17'0"



HYDRAULIC SYSTEM

Steering system:
 Hydraulic pumpGear type pump
 Capacity **110 ltr/min** 29.1 U.S. gal/min at rated rpm
 Relief valve setting **18.6 MPa** 190 kgf/cm² 2,700 psi
 Hydraulic cylinders:
 TypeDouble-acting, piston type
 Number of cylinders2
 Bore x stroke **70 mm x 453 mm** 2.8" x 17.8"

Loader control:
 Hydraulic pumpGear type pump
 Capacity **78 ltr/min** 20.6 U.S. gal/min
 Relief valve setting **20.6 MPa** 210 kgf/cm² 3,000 psi
 Hydraulic cylinders:
 TypeDouble-acting, piston type
 Number of cylinders—bore x stroke:
 Lift cylinder2- **130 mm x 717 mm** 5.1" x 28.2"
 Bucket cylinder1- **170 mm x 480 mm** 6.7" x 18.9"

Control valve3-spool type
 Control positions:
 BoomRaise, hold, lower, and float
 BucketTilt-back, hold, and dump
 Hydraulic cycle time (rated load in bucket)
 Raise5.7 sec
 Dump1.6 sec
 Lower (Empty)3.3 sec

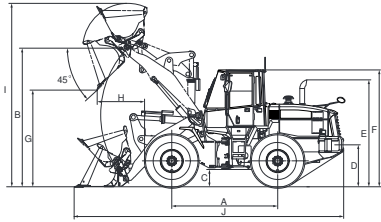


SERVICE REFILL CAPACITIES

Cooling system **22 ltr** 5.8 U.S. gal
 Fuel tank **186 ltr** 49.1 U.S. gal
 Engine **23 ltr** 6.1 U.S. gal
 Hydraulic system **67 ltr** 17.7 U.S. gal
 Axle (each front and rear) **18 ltr** 4.8 U.S. gal
 Torque converter and transmission **5 ltr** 1.3 U.S. gal

DIMENSIONS

Bucket



Model	WA200PZ-6				WA250PZ-6			
	17.5-25		20.5-25		17.5-25		20.5-25	
Tires	17.5-25	20.5-25	17.5-25	20.5-25	17.5-25	20.5-25	17.5-25	20.5-25
Tread	1930	6'4"	1930	6'4"	1930	6'4"	1930	6'4"
Width over tires	2375	7'10"	2470	8'1"	2375	7'10"	2470	8'1"
A Wheelbase	2840	9'4"	2840	9'4"	2900	9'6"	2900	9'6"
B Hinge pin height, max. height	3815	12'6"	3885	12'9"	3895	12'9"	3965	13'0"
C Ground clearance	425	1'5"	495	1'8"	395	1'4"	465	1'6"
D Hitch height	870	2'10"	940	3'1"	880	2'11"	950	3'1"
E Overall height, top of stack	2725	8'11"	2795	9'2"	2855	9'4"	2925	9'7"
F Overall height, ROPS cab	3110	10'2"	3180	10'5"	3130	10'3"	3200	10'6"

Model	Bucket type with bolt-on cutting edge	WA200PZ-6				WA250PZ-6			
		20.5-25-12PR(L2)				20.5-25-12PR(L2)			
		Stockpile Bucket		Stockpile Bucket		Stockpile Bucket		Stockpile Bucket	
Bucket Capacity	Heaped	2.0 m ³	2.6 yd ³	2.0 m ³	2.6 yd ³	2.2 m ³	2.9 yd ³	2.3 m ³	3.0 yd ³
	Struck	1.7 m ³	2.2 yd ³	1.7 m ³	2.2 yd ³	2.1 m ³	2.7 yd ³	2.0 m ³	2.6 yd ³
Bucket Width		2540 mm	8'4"	2540 mm	8'4"	2550 mm	8'4"	2550 mm	8'4"
Static Tipping Load	Straight	7955 kg	17,540 lb	8400 kg	18,520 lb	8940 kg	19,710 lb	9230 kg	20,350 lb
	Full Turn (40°)	7000 kg	15,430 lb	7350 kg	16,200 lb	7865 kg	17,340 lb	8075 kg	17,800 lb
Operating Weight		11450 kg	25,240 lb	10970 kg	24,180 lb	12690 kg	27,980 lb	11950 kg	26,350 lb
Bucket Weight		910 kg	2,005 lb	910 kg	2,005 lb	960 kg	2,120 lb	970 kg	2,140 lb
G Dumping Clearance, maximum height and 45° dump angle*		2810 mm	9'3"	2965 mm	9'9"	2820 mm	9'3"	2945 mm	9'8"
H Reach at maximum height and 45° dump angle*		1645 mm	5'5"	1585 mm	5'2"	1650 mm	5'5"	1570 mm	5'2"
I Operating Height, fully raised		5305 mm	17'5"	5150 mm	16'11"	5365 mm	17'7"	5270 mm	17'3"
J Overall Length, bucket on ground		7310 mm	24'0"	7335 mm	24'1"	7410 mm	24'4"	7205 mm	23'8"
Digging Depth	0'	120 mm	4.7"	120 mm	4.7"	142 mm	5.6"	130 mm	5.1"
	10'	345 mm	1'2"	305 mm	1'0"	375 mm	1'3"	325 mm	1'1"
Breakout Force		9010 kgf	19,865 lb	10840 kgf	23,900 lb	10730 kgf	23,660 lb	13380 kgf	29,500 lb

*At the end of 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 tire size and attachments.

Weight Changes

WA200PZ-6

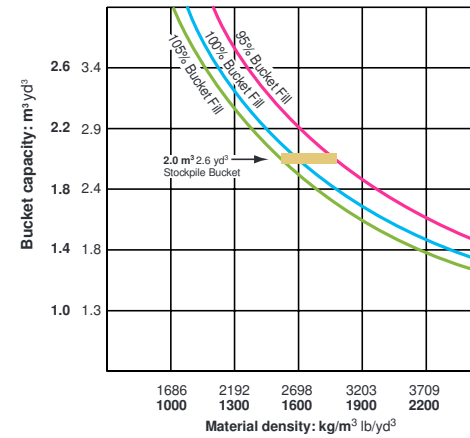
	Change in Operating Weight		Change in Tipping Load				Width Over Tires	Ground Clearance	Change in Vertical Dimensions		Change in Reach			
			Straight	Full Turn										
	17.5-25-12PR (L2)	-325 kg	-716 lb	-215 kg	-474 lb	-185 kg	-408 lb	2375 mm	7'10"	425 mm	1'5"	-70 mm	-2.8"	75 mm
17.5-25-12PR (L3)	-290 kg	-639 lb	-190 kg	-419 lb	-167 kg	-368 lb	2375 mm	7'10"	425 mm	1'5"	-70 mm	-2.8"	75 mm	3.0"
20.5-25-12PR (L3)	165 kg	364 lb	105 kg	231 lb	95 kg	209 lb	2470 mm	8'1"	495 mm	1'8"	0 mm	0"	0 mm	0"
Install ROPS canopy (instead of cab)	-167 kg	-368 lb	-152 kg	-335 lb	-134 kg	-295 lb								

WA250PZ-6

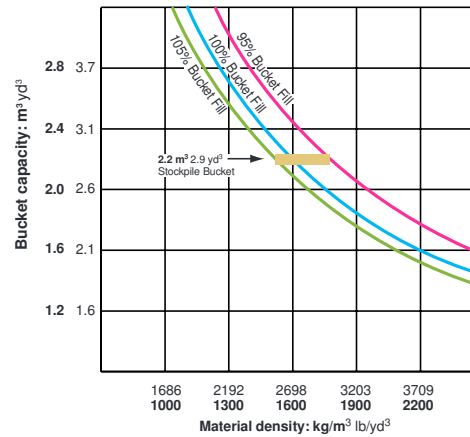
	Change in Operating Weight		Change in Tipping Load				Width Over Tires	Ground Clearance	Change in Vertical Dimensions		Change in Reach			
			Straight	Full Turn										
	17.5-25-16PR (L2)	-300 kg	-661 lb	-200 kg	-441 lb	-170 kg	-375 lb	2375 mm	7'10"	395 mm	1'4"	-70 mm	-2.8"	70 mm
17.5-25-16PR (L3)	-260 kg	-573 lb	-170 kg	-375 lb	-150 kg	-331 lb	2375 mm	7'10"	395 mm	1'4"	-70 mm	-2.8"	70 mm	2.8"
20.5-25-12PR (L3)	165 kg	364 lb	110 kg	243 lb	95 kg	209 lb	2470 mm	8'1"	465 mm	1'6"	0 mm	0"	0 mm	0"
Install ROPS canopy (instead of cab)	-165 kg	-364 lb	-145 kg	-320 lb	-125 kg	-276 lb								

BUCKET SELECTION GUIDE

WA200PZ-6



WA250PZ-6

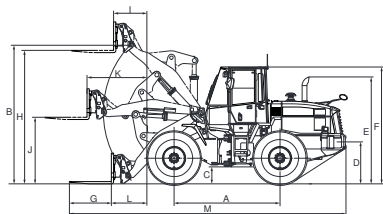


This guide, representing bucket sizes not necessarily manufactured by Komatsu, will help you select the proper bucket size for material density, loader configuration, and operating conditions. Optimum bucket size is determined after adding or subtracting all tipping load changes due to optional equipment. Bucket fill factors represent the approximate amount of material as a percent of rated bucket capacity. Fill factors are primarily affected by material, ground conditions, breakout force, bucket profile, and the cutting edge of the bucket used.

Material (loose weight)	kg/m ³	lb/yd ³
Caliche	1250	2,100
Cinders	590	1,000
Clay and gravel, dry	1420	2,400
Clay and gravel, wet	1540	2,600
Clay, dry	1480	2,500
Clay, natural bed	1660	2,800
Clay, wet	1660	2,800
Coal, anthracite, broken	1100	1,850
Coal, bituminous, broken	830	1,400
Earth, dry, packed	1510	2,550
Earth, loam	1250	2,100
Earth, wet, excavated	1600	2,700
Granite, broken or large crushed	1660	2,800
Gravel, dry	1510	2,550
Gravel, dry 13 to 50 mm 1/2" to 2"	1690	2,850
Gravel, pit run (graveled sand)	1930	3,250
Gravel, wet 13 to 50 mm 1/2" to 2"	2020	3,400
Gypsum, crushed	1600	2,700
Limestone, broken or crushed	1540	2,600
Magnetite, iron ore	2790	4,700
Phosphate rock	1280	2,160
Pyrite, iron ore	2580	4,350
Sand and gravel, dry	1720	2,900
Sand and gravel, wet	2020	3,400
Sand, dry	1420	2,400
Sand, wet	1840	3,100
Sandstone, broken	1510	2,550
Shale	1250	2,100
Slag, broken	1750	2,950
Stone, crushed	1600	2,700
Topsoil	950	1,600

DIMENSIONS

Fork



Model	mm ft.in			
	WA200PZ-6		WA250PZ-6	
Tires	17.5-25	20.5-25	17.5-25	20.5-25
Tread	1930 6'4"	1930 6'4"	1930 6'4"	1930 6'4"
Width over tires	2375 7'10"	2470 8'1"	2375 7'10"	2470 8'1"
A Wheelbase	2840 9'4"	2840 9'4"	2900 9'6"	2900 9'6"
B Hinge pin height, max. height	3815 12'6"	3885 12'9"	3895 12'9"	3965 13'0"
C Ground clearance	425 1'5"	495 1'8"	395 1'4"	465 1'6"
D Hitch height	870 2'10"	940 3'1"	880 2'11"	950 3'1"
E Overall height, top of stack	2725 8'11"	2795 9'2"	2855 9'4"	2925 9'7"
F Overall height, ROPS cab	3110 10'2"	3180 10'5"	3130 10'3"	3200 10'6"

Model	WA200PZ-6		WA250PZ-6	
Tires (Measured with)	20.5-25-12PR(L2)		20.5-25-12PR(L2)	
Static tipping load – boom level Fork level, 610 mm 24" load center	Straight		Full turn (40°)	
	6050 kg	13,340 lb	6875 kg	15,160 lb
	5300 kg	11,680 lb	5980 kg	13,180 lb
Operating weight	11460 kg	25,260 lb	12275 kg	27,060 lb
G Fork tine length	1220 mm	4'0"	1220 mm	4'0"
H Ground to top of tine at maximum lift	3765 mm	12'4"	3820 mm	12'6"
I Reach at maximum lift	775 mm	2'7"	790 mm	2'7"
J Ground to top of Tine – boom and tine level	1780 mm	5'10"	1820 mm	6'0"
K Reach – boom and tine level	1675 mm	5'6"	1690 mm	5'7"
L Reach – tine level on ground	1040 mm	3'5"	1025 mm	3'4"
M Overall Length – tine level on ground	7645 mm	25'1"	7680 mm	25'2"
Operating load	2650 kg	5,840 lb	2990 kg	6,590 lb

Operating load per SAE J1197 (Feb. 1991), 50% of static tipping load.

Static tipping load and operating weight shown include lubricant, coolant, full fuel tank, ROPS cab and operator. Machine stability and operating weight affected by tire size and attachments.

Weight Changes

WA200PZ-6

	Change in Operating Weight		Change in Tipping Load				Width Over Tires		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight	Full Turn										
17.5-25-12PR(L2)	-325 kg	-716 lb	-215 kg	-474 lb	-185 kg	-408 lb	2375 mm	7'10"	425 mm	1'5"	-70 mm	-2.8"	75 mm	3.0"
17.5-25-12PR(L3)	-290 kg	-639 lb	-190 kg	-419 lb	-167 kg	-368 lb	2375 mm	7'10"	425 mm	1'5"	-70 mm	-2.8"	75 mm	3.0"
20.5-25-12PR(L3)	165 kg	364 lb	105 kg	231 lb	95 kg	209 lb	2470 mm	8'1"	495 mm	1'8"	0 mm	0"	0 mm	0"
Install ROPS canopy (instead of cab)	-167 kg	-368 lb	-152 kg	-335 lb	-134 kg	-295 lb								

WA250PZ-6

	Change in Operating Weight		Change in Tipping Load				Width Over Tires		Ground Clearance		Change in Vertical Dimensions		Change in Reach	
			Straight	Full Turn										
17.5-25-16PR(L2)	-300 kg	-661 lb	-140 kg	-309 lb	-125 kg	-276 lb	2375 mm	7'10"	395 mm	1'4"	-70 mm	-2.8"	70 mm	2.8"
17.5-25-16PR(L3)	-260 kg	-573 lb	-125 kg	-276 lb	-110 kg	-243 lb	2375 mm	7'10"	395 mm	1'4"	-70 mm	-2.8"	70 mm	2.8"
20.5-25-12PR(L3)	165 kg	364 lb	80 kg	176 lb	70 kg	154 lb	2470 mm	8'1"	465 mm	1'6"	0 mm	0"	0 mm	0"
Install ROPS canopy (instead of cab)	-165 kg	-364 lb	-105 kg	-231 lb	-90 kg	-198 lb								

STANDARD EQUIPMENT

WA200PZ-6

- 3-spool valve for boom and bucket controls
- Additional counterweight
- Air conditioner
- Alternator, 60 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 88 Ah/2 x 12 V
- Bucket positioner
- Counterweight
- Directional signal
- Engine, Komatsu SAA4D107E-1 diesel

- Engine shut-off system, electric
- Floor mat
- Fuel prefilter with water separator
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Loader linkage with PZ lift arm
- Main monitor panel with select system
- Back-up alarm
- Back-up lamp
- Batteries, 88 Ah/2 x 12 V
- Bucket positioner
- Radiator mask, lattice type
- Rear defroster (electric)
- Rear view mirror

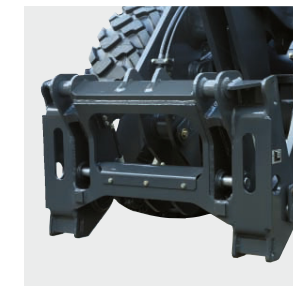
- Rear window washer and wiper
- ROPS/FOPS cab
- Seat, rigid type with reclining
- Seat belt
- Service brakes, wet disc type
- Starting motor, 4.5 kW/24 V
- Steering wheel, tilttable
- Sun visor
- Tires (20.5-25-12PR, L2 tubeless) and rims
- Transmission, 4 forward and 4 reverse
- Bucket, stockpile, for use with coupler with B.O.C. 2.0 m³ 2.6 yd³

WA250PZ-6

- 3-spool valve for boom and bucket controls
- Additional counterweight
- Air conditioner
- Alternator, 60 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 110 Ah/2 x 12 V
- Bucket positioner
- Counterweight
- Directional signal
- Engine, Komatsu SAA6D107E-1 diesel

- Engine shut-off system, electric
- Floor mat
- Fuel prefilter with water separator
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Loader linkage with PZ lift arm
- Main monitor panel with select system
- Back-up alarm
- Back-up lamp
- Batteries, 110 Ah/2 x 12 V
- Bucket positioner
- Radiator mask, lattice type
- Rear defroster (electric)
- Rear view mirror

- Rear window washer and wiper
- ROPS/FOPS cab
- Seat, rigid type with reclining
- Seat belt
- Service brakes, wet disc type
- Starting motor, 4.5 kW/24 V
- Steering wheel, tilttable
- Sun visor
- Tires (20.5-25-16PR, L2 tubeless) and rims
- Transmission, 4 forward and 4 reverse
- Bucket, stockpile, for use with coupler with B.O.C. 2.2 m³ 2.9 yd³



Quick coupler