

KOMATSU®

WA600-6R

MÃ LỰC

Gross: 396 kW 530 HP / 1800 vòng/phút

Net: 393 kW 527 HP / 1800 vòng/phút

DUNG TÍCH GẦU

6.4 – 7.0 m³

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Hình trên đã bao gồm các trang bị tùy chọn.

SPECIFICATIONS



ENGINE

Model	Komatsu SAA6D170E-5
Type	Water-cooled, 4-cycle
Aspiration	Turbocharged, aftercooled
Number of cylinders	6
Bore x stroke	170 mm x 170 mm 6.69" x 6.69"
Piston displacement	23.15 ltr 1413 in ³
Governor	all-speed, electronic
Horsepower	
SAE J1995	Gross 396 kW 530 HP
ISO 9249/SAE J1349*	Net 393 kW 527 HP
Rated rpm	1800 rpm
Fan drive method for radiator cooling	Hydraulic
Fuel system	Direct injection
Lubrication system:	
Method	Gear pump, force-lubrication
Filter	Full-flow type
Air cleaner	Dry type with double elements and dust evacuator, plus dust indicator

*Net horsepower at the maximum speed of radiator cooling fan is 374 kW 502 HP.

EPA Tier 2 and EU Stage 2 emissions equivalent.



TRANSMISSION

Torque converter:
Type3-element, single-stage, double-phase
Transmission:
TypeFull-powershift, planetary type
Travel speed: **km/h** mph
Measured with 35/65-33 tires

	1st	2nd	3rd	4th
Forward	6.7 4.2	11.7 7.3	20.3 12.6	33.8 21.0
	—	(12.4 7.7)	(21.7 13.5)	(37.7 23.4)
Reverse	7.3 4.5	12.8 8.0	22.0 13.7	37.0 23.0



AXLES AND FINAL DRIVES

Drive system	Four-wheel drive
Front	Fixed, full-floating
Rear	Center-pin support, full-floating, 26° total oscillation
Reduction gear	Spiral bevel gear
Differential gear	Conventional type
Final reduction gear	Planetary gear, single reduction



BRAKES

Service brakes	Hydraulically actuated, wet disc brakes actuate on four wheels
Parking brake	Wet disc brake
Emergency brake	Parking brake is commonly used



STEERING SYSTEM

Type	Articulated type, full-hydraulic power steering
Steering angle	43° each direction
Minimum turning radius at the center of outside tire	7075 mm 23'3"



HYDRAULIC SYSTEM

Steering system:

Hydraulic pump	Piston pump
Capacity	.163 ltr/min 43.1 U.S. gal/min at rated rpm
Relief valve setting	.34.3 MPa 350 kgf/cm ² 4,980 psi

Hydraulic cylinders:

Type	Double-acting, piston type
Number of cylinders	2
Bore x stroke	.115 mm x 510 mm 4.5" x 20"

Loader control:

Hydraulic pump	Piston pump
Capacity 239 + 239 ltr/min	63.1 + 63.1 U.S. gal/min
	at rated rpm

Relief valve setting **34.3 MPa** 350 kgf/cm² 4,980 psi

Hydraulic cylinders:

TypeDouble-acting, piston type

Number of cylinders—bore x stroke:

Lift cylinder2- 200 mm x 1067 mm 7.9" x 42"

Bucket cylinder1- **225 mm x 776 mm 8.9" x 30.6"**

Control valve2-spool type

Control positions:

BoomRaise, hold, lower, and float

Bucket Tilt-back, hold, and dump

Hydraulic cycle time (rated load in bucket)

Raise9.3 sec

Flare	3.5 sec
Dump	2.3 sec

Lower (Empty)	4.1 sec
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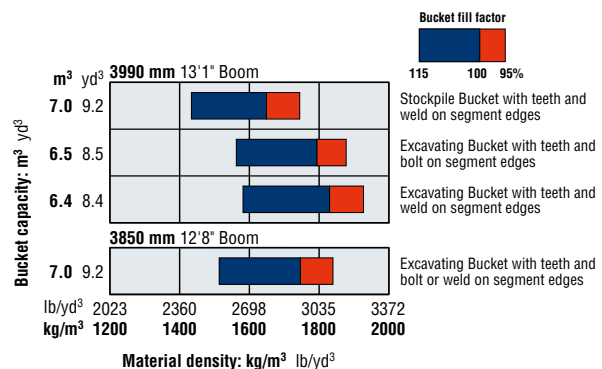


SERVICE REFILL CAPACITIES

Cooling system	147 ltr	38.8 U.S. gal
Fuel tank	718 ltr	189.7 U.S. gal
Engine	86 ltr	22.7 U.S. gal
Hydraulic system	443 ltr	117.0 U.S. gal
Axle (each front and rear)	155 ltr	41.0 U.S. gal
Torque converter and transmission	83 ltr	21.9 U.S. gal



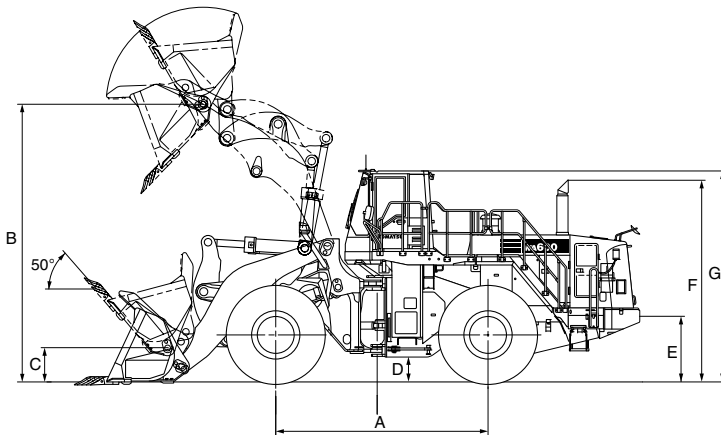
BUCKET SELECTION GUIDE





DIMENSIONS

Measured with 35/65-33-36PR(L-4) tires



		3990 mm 13'1"	3850 mm 12'8"
		Boom	Boom
	Tread	2650 mm 8'8"	
	Width over tires	3540 mm 11'9"	
A	Wheelbase	4500 mm 14'9"	
B	Hinge pin height, max. height	5885 mm 19'3"	5665 mm 18'7"
C	Hinge pin height, carry position	720 mm 2'4"	670 mm 2'3"
D	Ground clearance	525 mm 1'9"	
E	Hitch height	1385 mm 4'7"	
F	Overall height, top of the stack	4270 mm 14'0"	
G	Overall height, ROPS cab	4460 mm 14'8"	

	3990 mm 13'1" Boom			3850 mm 12'8" Boom	
	Excavating Buckets		Stockpile Bucket	Excavating Buckets	
	Spade nose Teeth and WSE*1	Straight edge Teeth and BSE*2	Spade nose Teeth and WSE*1	Spade nose Teeth and WSE*1	Straight edge Teeth and BSE*2
Bucket capacity: heaped	6.4 m³ 8.4 yd³	6.5 m³ 8.5 yd³	7.0 m³ 9.2 yd³	7.0 m³ 9.2 yd³	7.0 m³ 9.2 yd³
struck	5.3 m³ 6.9 yd³	5.4 m³ 7.1 yd³	5.8 m³ 7.6 yd³	5.8 m³ 7.6 yd³	5.8 m³ 7.6 yd³
Bucket width	3685 mm 12'1"	3685 mm 12'1"	3685 mm 12'1"	3685 mm 12'1"	3685 mm 12'1"
Bucket weight	5115 kg 11,280 lb	4735 kg 10,440 lb	5255 kg 11,590 lb	5245 kg 11,570 lb	4865 kg 10,730 lb
Dumping clearance, max. height and 45° dump angle*3	3995 mm 13'1"	4180 mm 13'9"	3945 mm 12'11"	3730 mm 12'3"	3905 mm 12'10"
Reach at max. height and 45° dump angle*3	1800 mm 5'11"	1610 mm 5'3"	1850 mm 6'1"	1885 mm 6'2"	1690 mm 5'7"
Reach at 2130 mm (7') clearance and 45° dump angle	3015 mm 9'11"	2875 mm 9'5"	3050 mm 10'0"	2900 mm 9'6"	2775 mm 9'1"
Reach with arm horizontal and bucket level	4135 mm 13'7"	3870 mm 12'8"	4205 mm 13'9"	4065 mm 13'4"	3800 mm 12'6"
Operating height (fully raised)	7925 mm 26'0"	7925 mm 26'0"	7995 mm 26'3"	7775 mm 25'6"	7775 mm 25'6"
Overall length	11985 mm 39'4"	11725 mm 38'6"	12055 mm 39'7"	11870 mm 38'11"	11610 mm 38'1"
Loader clearance circle (bucket at carry, outside corner of bucket)	17000 mm 55'9"	17060 mm 56'0"	17040 mm 55'11"	16875 mm 55'4"	16920 mm 55'6"
Digging depth: 0°	130 mm 5.1"	135 mm 5.3"	130 mm 5.1"	130 mm 5.1"	140 mm 5.5"
10°	515 mm 1'8"	480 mm 1'7"	530 mm 1'9"	530 mm 1'9"	495 mm 1'7"
Static tipping load: straight	34200 kg 75,400 lb	34580 kg 76,240 lb	34060 kg 75,090 lb	35400 kg 78,040 lb	35780 kg 78,880 lb
43° full turn	28500 kg 62,830 lb	28880 kg 63,670 lb	28360 kg 62,520 lb	29500 kg 65,040 lb	29880 kg 65,870 lb
Breakout force	387 kN 39500 kgf 87,080 lb	448 kN 45680 kgf 100,710 lb	375 kN 38200 kgf 84,220 lb	378 kN 38600 kgf 85,100 lb	433 kN 44150 kgf 97,340 lb
Operating weight	52700 kg 116,180 lb	52320 kg 115,340 lb	52840 kg 116,490 lb	52900 kg 116,620 lb	52500 kg 115,740 lb

*1 Weld on segment edges. *2 Bolt on segment edges. *3 At the end of tooth or 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.



WEIGHT CHANGES

Tires or attachments	Operating weight		Tipping load straight 3990 mm Boom (3850 mm Boom)		Tipping load full turn 3990 mm Boom (3850 mm Boom)		Width over tires		Ground clearance		Change in vertical dimensions	
	kg	lb	kg	lb	kg	lb	mm	ft in	mm	ft in	mm	ft in
35/65-33-36PR(L-4)	0	0	0 (0)	0 (0)	0 (0)	0 (0)	3540	11'7"	525	1'9"	0	0'0"
35/65-33-36PR(L-5)	+1000	+2,205	+715 (+745)	+1,575(+1,640)	+595 (+620)	+1,310(+1,365)	3540	11'7"	525	1'9"	0	0'0"
35/65-33-42PR(L-4)	+20	+45	+15 (+15)	+30 (+35)	+10 (+15)	+25 (+30)	3555	11'8"	525	1'9"	0	0'0"
35/65-R33 ★(L-4)	-780	-1,720	-555 (-580)	-1230 (-1280)	-465 (-485)	-1025 (-1065)	3565	11'8"	460	1'6"	-65	-1'9"
35/65-R33 ★(L-5)	-235	-520	-170 (-175)	-375 (-390)	-140 (-145)	-310 (-320)	3565	11'8"	460	1'6"	-65	-1'9"
STD counterweight	0	0	0 (0)	0 (0)	0 (0)	0 (0)						
OPT counterweight	+1000	+2,205	+2380 (+2480)	+5,245(+5,465)	+1985 (+2065)	+4,370(+4,555)						



STANDARD EQUIPMENT

- 2-spool valve for boom and bucket controls
- **3990 mm** 13'1" boom
- Alternator, 90 A/24 V
- Auto air conditioner
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, 200 Ah/12 V x 2
- Boom kick-out
- Bucket positioner
- Directional signal
- Emergency steering (SAE)
- Engine, Komatsu SAA6D170E-5 diesel
- EPC fingertip control levers with automatic leveler and positioner
- Floor mat
- Front fender
- Hard water area arrangement (corrosion resister)
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Lock-up clutch torque converter
- Main monitor panel with EMMS (Equipment Management Monitoring System)
- Radiator mask, lattice type
- Rear access stairs
- Rear defroster (electric)
- Rear under view mirror
- Rearview mirrors
- Rear window washer and wiper
- ROPS/FOPS cab
- Seat belt
- Seat, suspension type with reclining
- Service brakes, wet disc type
- Standard counterweight
- Starting motor, **11.0 kW/24 V x 2**
- Steering wheel, tiltable
- Sun visor
- Tires (35/65-33-36PR L4 tubeless) and rims
- Transmission, 4 forward and 4 reverse
- Water separator



OPTIONAL EQUIPMENT

- **3850 mm** 12'8" boom
- 3-spool valve
- AJSS (advanced Joystick Steering System)
- AM/FM radio
- AM/FM stereo radio cassette
- Automatic greasing
- Battery disconnect switch
- Brake cooling system
- Bucket teeth (bolt-on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt-on type)
- ECSS (Electronically Controlled Suspension System)
- Fire extinguisher
- KOMTRAX Plus
- Limited slip differential (F&R)
- Load meter
- Log grapple
- Optional counterweight
- Ordinary spare parts
- Power train guard
- Rear fender
- Segment edges
- Semi-auto digging system
- Tool kit

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