

KOMATSU®

WA1200-6R

MÃ LỰC

Gross: 1411 kW 1892 HP / 1800 vòng/phút

Net: 1316 kW 1765 HP / 1800 vòng/phút

DUNG TÍCH GẦU

18.0 – 35.0 m³

WA
1200

WHEEL LOADER



Hình trên đã bao gồm các trang bị tùy chọn.

SPECIFICATIONS



ENGINE

ModelKumatsu SSDA16V160E-2
 TypeWater-cooled, 4-cycle
 AspirationTurbocharged and aftercooled
 Number of cylinders16
 Bore x stroke159 mm x 190 mm 6.26" x 7.48"
 Piston displacement60.0 ltr 3661 in³
 GovernorElectronic fuel control
 Horsepower
 SAE J1995Gross 1411 kW 1892 HP
 ISO 9249/SAE J1349Net 1316 kW 1765 HP
 Rated rpm1800 rpm
 Fan drive method for radiator coolingMechanical
 Fuel systemModular common rail system direct injection
 Lubrication system:
 MethodScrew pump, forced lubrication
 FilterFull-flow
 Air cleanerDry-type with double elements and automatic
 dust evacuation with dust indicator on monitor
 EPA Tier 2 emission certified.



TRANSMISSION

Torque converter:
 Type3-element, single-stage, single-phase
 Transmission:
 TypeFull-powershift, planetary type with modulated clutch
 Travel speed: km/h mph
 Measured with 60/80 R57 tires

	1st	2nd	3rd
Forward	6.1 3.8	11.1 6.9	18.7 11.6
Reverse	6.3 3.9	11.4 7.1	19.3 12.0



AXLES AND FINAL DRIVES

Drive systemFour-wheel drive
 FrontFixed, full-floating
 RearCenter-pin support, full-floating,
 16° total oscillation
 Reduction gearSpiral bevel gear
 Differential gearStraight bevel gear
 Final reduction gearPlanetary gear, double reduction, oil bath



BRAKES

Service brakesHydraulically actuated,
 wet, multiple-disc brakes actuated on four wheels.
 Parking brakeWet, multiple-disc, hydraulically-released, spring
 applied in the transmission.



STEERING SYSTEM

TypeArticulated type, full-hydraulic power steering
 Steering angle40° each direction
 Turning radius outside corner of bucket and teeth14330 mm 47'0"



BUCKET CONTROLS

Control positions
 BoomRaise, hold, lower, and float
 BucketTilt-back, hold, and dump



HYDRAULIC SYSTEM

Rated capacity (discharge flow) @1800 engine rpm
 Loader pump1018 ltr/min 269 gal/min
 Steering pump633 ltr/min 167 gal/min
 Switch pump633 ltr/min 167 gal/min
 Relief valve setting31.4MPa 320 kg/cm² 4,550 psi
 Control valvesA double spool closed-center hydraulic
 valve and a steering valve combined with
 a demand valve to provide optimum flow.

Hydraulic Cylinders	Number of Cylinders	Bore	Stroke
Boom	2	360 mm 14.2"	1835 mm 72.2"
Bucket	2	300 mm 11.8"	985 mm 38.8"
Steering	2	225 mm 8.9"	660 mm 26.0"

Control positions:

BoomRaise, hold, lower, and float
 BucketTilt-back, hold, and dump
 Hydraulic cycle time (rated load in bucket)
 Raise14.8 sec
 Dump3.2 sec
 Lower (Empty)5.3 sec



ROPS / FOPS & CAB

Structure complies with ISO 3471 ROPS (Roll-Over Protective Structure) standards, as well as ISO 3449 FOPS (Falling Object Protective Structure) standards. The cab is mounted on viscous damping mounts and is well insulated.



SERVICE REFILL CAPACITIES

Cooling system500 ltr 132 U.S. gal
 Fuel tank5100 ltr 1,347 U.S. gal
 Engine280 ltr 74 U.S. gal
 Hydraulic system1300 ltr 343 U.S. gal
 Differential, final drive (each axle)670 ltr 177 U.S. gal
 Torque converter and transmission350 ltr 92 U.S. gal
 Brake oil75 ltr 20 U.S. gal
 Brake cooling290 ltr 77 U.S. gal

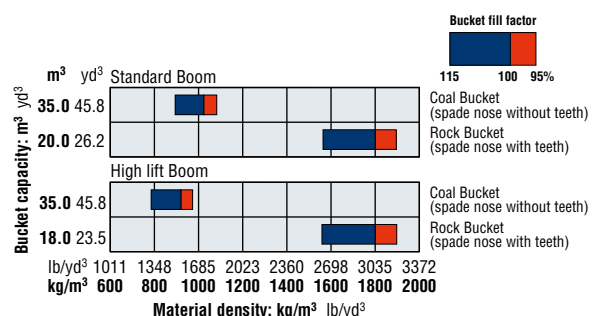


TIRES

Select proper tires based on job requirements.
 Standard rim size47.00-57/5.0
 Standard tire size60/80 R57

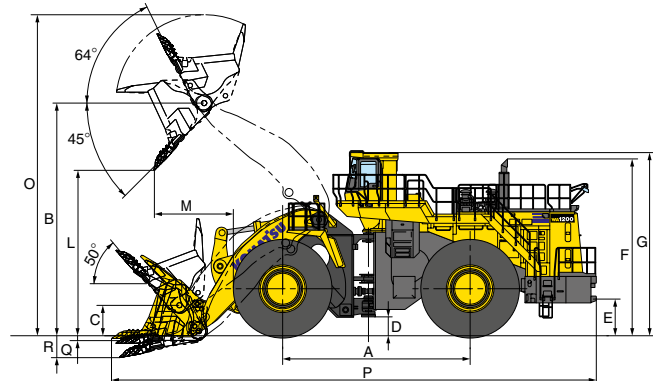
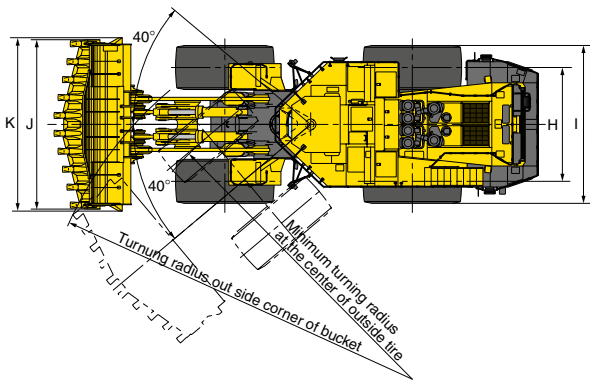


BUCKET SELECTION GUIDE





DIMENSIONS



		Standard boom (6200 mm 20'3")				High lift boom (6780 mm 22'2")			
		60/80 R57		58/85-57-84PR		60/80 R57		58/85-57-84PR	
H	Tread	4300 mm	14'1"	4300 mm	14'1"	4300 mm	14'1"	4300 mm	14'1"
I	Width over tires	5820 mm	19'1"	5720 mm	18'9"	5820 mm	19'1"	5720 mm	18'9"
A	Wheelbase	7100 mm	23'4"	7100 mm	23'4"	7100 mm	23'4"	7100 mm	23'4"
B	Hinge pin height, max. height	8850 mm	29'0"	8855 mm	29'1"	9540 mm	31'4"	9545 mm	31'4"
C	Hinge pin height, carry position	1150 mm	3'9"	1150 mm	3'9"	1350 mm	4'5"	1350 mm	4'5"
D	Ground clearance	760 mm	2'6"	765 mm	2'6"	760 mm	2'6"	765 mm	2'6"
E	Hitch height	1415 mm	4'8"	1420 mm	4'8"	1415 mm	4'8"	1420 mm	4'8"
F	Overall height, top of the stack	6735 mm	22'1"	6740 mm	22'1"	6735 mm	22'1"	6740 mm	22'1"
G	Overall height, ROPS cab	6970 mm	22'10"	6975 mm	22'11"	6970 mm	22'10"	6975 mm	22'11"

		Standard boom (6200 mm 20'3")				High lift boom (6780 mm 22'2")			
		60/80 R57		58/85-57-84PR		60/80 R57		58/85-57-84PR	
		Rock Bucket Spade nose with teeth	Coal Bucket Spade nose without teeth	Rock Bucket Spade nose with teeth	Coal Bucket Spade nose without teeth	Rock Bucket Spade nose with teeth	Coal Bucket Spade nose without teeth	Rock Bucket Spade nose with teeth	Coal Bucket Spade nose without teeth
J	Bucket capacity: heaped	20.0 m³ 26.2 yd³	35.0 m³ 45.8 yd³	20.0 m³ 26.2 yd³	35.0 m³ 45.8 yd³	18.0 m³ 23.5 yd³	35.0 m³ 45.8 yd³	18.0 m³ 23.5 yd³	35.0 m³ 45.8 yd³
	struck	17.2 m³ 22.5 yd³	30.2 m³ 39.5 yd³	17.2 m³ 22.5 yd³	30.2 m³ 39.5 yd³	15.0 m³ 19.6 yd³	30.2 m³ 39.5 yd³	15.0 m³ 19.6 yd³	30.2 m³ 39.5 yd³
K	Bucket width	6400 mm 21'0"	6400 mm 21'0"	6400 mm 21'0"	6400 mm 21'0"	6400 mm 21'0"	6400 mm 21'0"	6400 mm 21'0"	6400 mm 21'0"
L	Bucket width with tire protector	6550 mm 21'6"	—	6550 mm 21'6"	—	6550 mm 21'6"	—	6550 mm 21'6"	—
M	Bucket weight	22780 kg 50,220 lb	24620 kg 54,280 lb	22780 kg 50,220 lb	24620 kg 54,280 lb	22400 kg 49,380 lb	24620 kg 54,280 lb	22400 kg 49,380 lb	24620 kg 54,280 lb
N	Dumping clearance, max. height and 45° dump angle	6305 mm 20'8"	6310 mm 20'8"	6310 mm 20'8"	6315 mm 20'9"	7065 mm 23'2"	6990 mm 22'11"	7070 mm 23'2"	6995 mm 22'11"
O	Reach at max. height and 45° dump angle	2890 mm 9'6"	3030 mm 9'11"	2890 mm 9'6"	3030 mm 9'11"	2930 mm 9'7"	3135 mm 10'3"	2930 mm 9'7"	3135 mm 10'3"
P	Operating height (fully raised)	12205 mm 40'1"	12980 mm 42'7"	12210 mm 40'1"	12985 mm 42'7"	12785 mm 41'11"	13660 mm 44'10"	12790 mm 42'00"	13665 mm 44'10"
Q	Overall length (bucket ground)	18310 mm 60'1"	18405 mm 60'5"	18305 mm 60'1"	18400 mm 60'4"	18945 mm 62'2"	19140 mm 62'10"	18940 mm 62'2"	19135 mm 62'9"
R	Loader clearance circle *1	28660 mm 94'0"	28640 mm 94'0"	28660 mm 94'0"	28640 mm 94'0"	29230 mm 95'11"	29300 mm 96'2"	29230 mm 95'11"	29300 mm 96'2"
Q	Digging depth: 0°	250 mm 9.8"	145 mm 5.7"	245 mm 9.6"	140 mm 5.5"	250 mm 9.8"	145 mm 5.7"	245 mm 9.6"	140 mm 5.5"
	10°	785 mm 30.9"	700 mm 27.6"	780 mm 30.7"	695 mm 27.4"	770 mm 30.3"	685 mm 27.0"	765 mm 30.1"	680 mm 26.8"
R	Static tipping load: straight	121930 kg 268,800 lb	120530 kg 265,730 lb	122530 kg 270,130 lb	121130 kg 267,050 lb	110950 kg 244,580 lb	108850 kg 239,970 lb	111550 kg 245,920 lb	109450 kg 241,300 lb
	40° full turn	107060 kg 236,000 lb	105830 kg 233,320 lb	107580 kg 237,180 lb	106350 kg 234,460 lb	97410 kg 214,760 lb	95570 kg 210,700 lb	97940 kg 215,920 lb	96100 kg 211,860 lb
S	Breakout force	1275 kN 130000 kgf 286,600 lb	1029 kN 105000 kgf 231,500 lb	1275 kN 130000 kgf 286,600 lb	1029 kN 105000 kgf 231,500 lb	1236 kN 126000 kgf 277,780 lb	1000 kN 102000 kgf 224,800 lb	1236 kN 126000 kgf 277,780 lb	1000 kN 102000 kgf 224,800 lb
	Operating weight	216400 kg 477,100 lb	217800 kg 480,200 lb	217220 kg 478,900 lb	218620 kg 482,000 lb	218300 kg 481,300 lb	219700 kg 484,400 lb	219150 kg 483,150 lb	220550 kg 486,250 lb

*1 Measured with bucket at carry position, outside corner of bucket

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 canopy, air conditioner, bucket and operator. Machine stability and operating weight are affected by counterweight, or ballast, tire size, and other attachments.

Use either counterweight or ballast, not both. Apply the following weight changes to operating weight and static tipping load.



WEIGHT CHANGES

Tires or attachments	Operating weight		Tipping load straight				Tipping load full turn				Width over tires		Ground clearance		Change in vertical dimensions	
			STD Boom		Hi-lift Boom		STD Boom		Hi-lift Boom							
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	mm	ft in	mm	ft in	mm	ft in
60/80 R57	0	0	0	0	0	0	0	0	0	0	5820	19'1"	760	2'6"	0	0
58/85-57-84PR	+820	+1810	+600	+1320	+540	+1190	+520	+1150	+470	+1040	5720	18'9"	765	2'6"	+5	+0.2"



STANDARD EQUIPMENT

- 2-spool valve for boom and bucket controls
- **6200 mm** 20'4" boom
- Alternator, **140 A**/24 V
- AM/FM radio
- Air conditioner, heater, defroster & pressurizer
- Automatic greasing system
- Automatic transmission F3 / R3
- Axles, full floating
- Back-up alarm
- Back-up light
- Batteries, **160 Ah**/12 V x 6
- Battery disconnect switch
- Boom kick-out, automatic and adjustable
- Brakes:
 - Service: wet, multiple-disc
 - Parking: wet, multiple-disc
- Bucket positioner
- Cab with ROPS/FOPS canopy
- Converter, **2.5 amps** 12 volt
- Counterweight, standard
- Dualmode active working system
- Electronic display/Multi Monitor
- Emergency brake
- Emergency engine stop switches
- Emergency steering (SAE)
- Engine, Komatsu SSDA16V160E-2 diesel
- EPC fingertip control levers with automatic leveler and positioner
- Fenders, front and left rear
- Floor mat
- Hard water area arrangement (corrosion resister)
- Horn, electric
- KOMTRAX Plus
- Lights
 - Backup light
 - Head lights (4 front)
 - Stop and tail
 - Turn signal with hazard switch (2 front, 2 rear)
 - Working lights (6 front, 8 rear)
 - Access stairs and service area light
- Load meter
- Power windows
- Rear access stairs
- Rearview mirror and rear underview mirror mounted to radiator guard
- Rims, 47.00-57/5.0
- Room mirror
- Seat belt, **76 mm** 3" with retractor
- Seat, air suspension with reclining
- Starting motor, **9.0 kW**/24 V x 2
- Steering, full hydraulic power (joystick steering control)
- Sun visor
- Tire saver (modulation clutch controlled)
- Vandalism protection kit
- Water separator
- Wiggins fast fuel fill
- Wiggins fast oil fill
- Wind washer, front and rear
- Wipers, front and rear, front intermittent



OPTIONAL EQUIPMENT

- Boom
 - 6780 mm** 22'2" boom
- Buckets
 - 20.0 m³** 26.2 yd³ spade nose rock
 - 18.0 m³** 23.5 yd³ spade nose rock (both with ESCO loadmaster system teeth and wear shrouds)
 - 35.0 m³** 45.8 yd³ coal
- Cab glass with internal heat element
- Cold weather arrangement
- Fire extinguisher
- Front fender handrails
- Hensley teeth
- HID working lights
- LED turn signal
- Power train guard
- Radiator core protective grid
- Rear view monitor
- Rims
 - 44.00-57/6.0
 - 47.00-57/6.0
 - 52.00-57/6.0
- Service center
- Trainer seat
- Yellow rotating lamp

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