

KOMATSU®

WA430-6

MÃ LỰC

Gross: 173 kW 232 HP / 2100 vòng/phút

Net: 172 kW 231 HP / 2100 vòng/phút

DUNG TÍCH GẦU

3.1 – 4.6 m³

ecot3

WA
430

WHEEL LOADER



Hình trên đã bao gồm các trang bị tùy chọn.

SPECIFICATIONS



ENGINE

ModelKomatsu SAA6D114E-3
 TypeWater-cooled, 4-cycle
 AspirationTurbocharged, aftercooled
 Number of cylinders6
 Bore x stroke114 mm x 135 mm 4.49" x 5.32"
 Piston displacement8.27 ltr 505 in³
 GovernorAll-speed, electronic
 Horsepower
 SAE J1995Gross **173 kW** 232 HP
 ISO 9249/SAE J1349*Net **172 kW** 231 HP
 Rated rpm2100 rpm
 Fan drive method for radiator coolingHydraulic
 Fuel systemDirect injection
 Lubrication system:
 MethodGear pump, force-lubrication
 FilterFull-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 163 kW 218 HP.

EPA Tier 3 and EU Stage 3A emissions certified.



TRANSMISSION

Torque converter:
 Type3-element, single-stage, single-phase
 Transmission:
 TypeAutomatic full-powershift, countershaft type
 Travel speed: **km/h** mph
 Measured with 23.5-25 tires

	1st	2nd	3rd	4th
Forward	7.0 4.4	12.3 7.6	21.6 13.4	37.2 23.1
Reverse	7.6 4.7	12.9 8.0	23.0 14.3	37.2 23.1

Measured with 26.5-25 tires

	1st	2nd	3rd	4th
Forward	7.4 4.6	12.9 8.0	23.0 14.3	38.0 23.6
Reverse	7.9 4.9	13.7 8.5	24.5 15.2	38.0 23.6



AXLES AND FINAL DRIVES

Drive systemFour-wheel drive
 FrontFixed, semi-floating
 RearCenter-pin support, semi-floating,
 18° total oscillation
 Reduction gearSpiral bevel gear
 Differential gearConventional type
 Final reduction gearPlanetary gear, single reduction



BRAKES

Service brakesHydraulically actuated,
 wet disc brakes actuate on four wheels
 Parking brakeWet disc brake
 Emergency brakeParking brake is commonly used



STEERING SYSTEM

TypeArticulated type, full-hydraulic power steering
 Steering angle35° each direction (40° end stop)
 Minimum turning radius at
 the center of outside tire**6335 mm** 20'9"



HYDRAULIC SYSTEM

Steering system:
 Hydraulic pumpPiston pump
 Capacity**137 ltr/min** 36.2 U.S. gal/min at rated rpm
 Relief valve setting**24.5 MPa** 250 kgf/cm² 3,555 psi
 Hydraulic cylinders:
 TypeDouble-acting, piston type
 Number of cylinders2
 Bore x stroke**75 mm x 442 mm** 3.0" x 17.4"

Loader control:
 Hydraulic pumpPiston pump
 Capacity**205 ltr/min** 54.2 U.S. gal/min
 Relief valve setting**31.4 MPa** 320 kgf/cm² 4,550 psi
 Hydraulic cylinders:
 TypeDouble-acting, piston type
 Number of cylinders—bore x stroke:
 Lift cylinder2- **130 mm x 776 mm** 5.1" x 30.6"
 Bucket cylinder1- **160 mm x 535 mm** 6.3" x 21.1"
 Control valve2-spool type
 Control positions:
 BoomRaise, hold, lower, and float
 BucketTilt-back, hold, and dump
 Hydraulic cycle time (rated load in bucket)
 Raise6.1 sec
 Dump2.0 sec
 Lower (Empty)3.3 sec

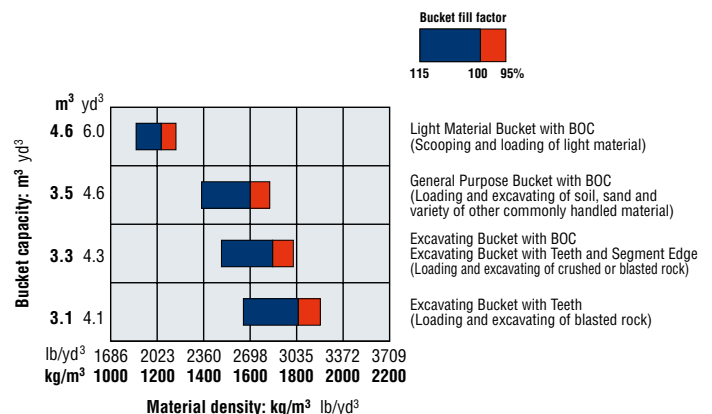


SERVICE REFILL CAPACITIES

Cooling system**32 ltr** 8.5 U.S. gal
 Fuel tank**325 ltr** 85.9 U.S. gal
 Engine**30 ltr** 7.9 U.S. gal
 Hydraulic system**139 ltr** 36.7 U.S. gal
 Axle front**49 ltr** 12.9 U.S. gal
 rear**40 ltr** 10.6 U.S. gal
 Torque converter and transmission**54 ltr** 14.3 U.S. gal



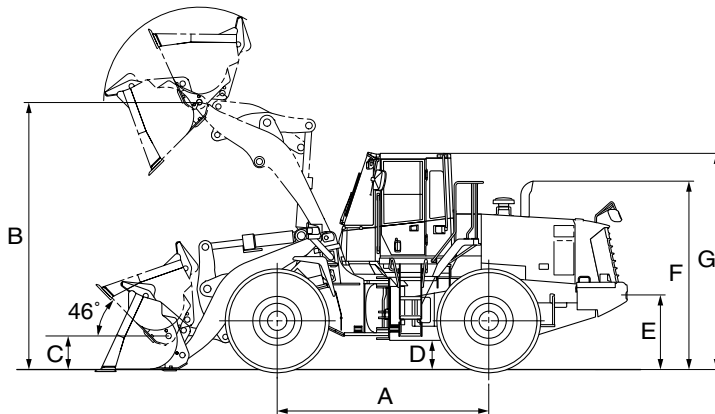
BUCKET SELECTION GUIDE





DIMENSIONS

Measured with 23.5-25-16PR (L3) tires, ROPS/FOPS cab



Tread	2200 mm	7'3"
Width over tires	2820 mm	9'3"
A Wheelbase	3300 mm	10'10"
B Hinge pin height, max. height	4165 mm	13'8"
C Hinge pin height, carry position	520 mm	1'8"
D Ground clearance	455 mm	1'6"
E Hitch height	1150 mm	3'9"
F Overall height, top of the stack	2940 mm	9'8"
G Overall height, ROPS cab	3390 mm	11'1"

	General Purpose Buckets		Excavating Buckets			Light Material Bucket
	Bolt-on Cutting Edges	Teeth	Bolt-on Cutting Edges	Teeth and Segments	Teeth	Bolt-on Cutting Edges
Bucket capacity: heaped	3.5 m ³ 4.6 yd ³	3.3 m ³ 4.3 yd ³	3.3 m ³ 4.3 yd ³	3.3 m ³ 4.3 yd ³	3.1 m ³ 4.1 yd ³	4.6 m ³ 6.0 yd ³
struck	3.0 m ³ 3.9 yd ³	2.8 m ³ 3.7 yd ³	2.8 m ³ 3.7 yd ³	2.8 m ³ 3.7 yd ³	2.6 m ³ 3.4 yd ³	4.0 m ³ 5.2 yd ³
Bucket width	3050 mm 10'0"	3065 mm 10'1"	3050 mm 10'0"	3065 mm 10'1"	3065 mm 10'1"	3050 mm 10'0"
Bucket weight	1735 kg 3,820 lb	1665 kg 3,670 lb	1810 kg 3,990 lb	1870 kg 4,120 lb	1740 kg 3,840 lb	1990 kg 4,390 lb
Dumping clearance, max. height and 45° dump angle*	3020 mm 9'11"	2895 mm 9'6"	3090 mm 10'2"	2970 mm 9'9"	2970 mm 9'9"	2870 mm 9'5"
Reach at max. height and 45° dump angle*	1190 mm 3'11"	1290 mm 4'3"	1120 mm 3'8"	1215 mm 4'0"	1215 mm 4'0"	1340 mm 4'5"
Reach at 2130 mm (7') clearance and 45° dump angle	1835 mm 6'0"	1870 mm 6'2"	1795 mm 5'11"	1835 mm 6'0"	1835 mm 6'0"	1910 mm 6'3"
Reach with arm horizontal and bucket level	2685 mm 8'10"	2840 mm 9'4"	2580 mm 8'6"	2735 mm 9'0"	2735 mm 9'0"	2895 mm 9'6"
Operating height (fully raised)	5645 mm 18'6"	5645 mm 18'6"	5590 mm 18'4"	5590 mm 18'4"	5590 mm 18'4"	5945 mm 19'6"
Overall length	8305 mm 27'3"	8460 mm 27'9"	8200 mm 26'11"	8355 mm 27'5"	8355 mm 27'5"	8515 mm 27'11"
Loader clearance circle (bucket at carry, outside corner of bucket)	14670 mm 48'2"	14760 mm 48'5"	14590 mm 47'10"	14700 mm 48'3"	14700 mm 48'3"	14760 mm 48'3"
Digging depth: 0°	120 mm 4.7"	135 mm 5.3"	120 mm 4.7"	135 mm 5.3"	135 mm 5.3"	120 mm 4.7"
10°	350 mm 1'2"	395 mm 1'4"	330 mm 1'1"	375 mm 1'3"	375 mm 1'3"	385 mm 1'3"
Static tipping load: straight	13980 kg 30,820 lb	14320 kg 31,570 lb	13955 kg 30,770 lb	13885 kg 30,610 lb	14150 kg 31,200 lb	13665 kg 30,130 lb
40° full turn	12990 kg 28,640 lb	13280 kg 29,280 lb	12985 kg 28,630 lb	12940 kg 28,530 lb	13145 kg 28,980 lb	12785 kg 28,190 lb
Breakout force	180 kN 18400 kgf 40,565 lb	194 kN 19800 kgf 43,650 lb	196 kN 20000 kgf 44,090 lb	198 kN 20200 kgf 44,530 lb	213 kN 21700 kgf 47,840 lb	155 kN 15800 kgf 34,830 lb
Operating weight	18290 kg 40,320 lb	18220 kg 40,170 lb	18365 kg 40,490 lb	18425 kg 40,620 lb	18295 kg 40,330 lb	18545 kg 40,880 lb

* 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		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
23.5-25-16PR(L-3)	0	0	0	0	0	0	2820	9'3"	455	1'6"	0	0
26.5-25-16PR(L-3)	+420	+925	+330	+730	+290	+640	2940	9'8"	620	2'0"	+65	+3"
Install additional counterweight	+340	+750	+860	+1,900	+720	+1,590						



STANDARD EQUIPMENT

- 2-spool valve for boom and bucket controls
- Alternator, 60 A
- Auto shift transmission with mode select system
- Back-up alarm
- Back-up lamp
- Batteries, **136 Ah**/2 x 12 V
- Boom kick-out
- Bucket positioner
- Counterweight
- Directional signal
- Engine, Komatsu SAA6D114E-3 diesel
- Engine shut-off system, electric
- Floor mat
- Front fender
- Fuel prefilter with water separator
- Hydraulic-driven fan with reverse rotation
- Lift cylinders and bucket cylinder
- Loader linkage with standard lift arm
- Main monitor panel with EMMS (Equipment Management Monitoring System)
- PPC fingertip control, two levers
- Radiator mask, lattice type
- Rear defroster (electric)
- Rear view 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, telescopic
- Sun visor
- Tires (23.5-25-16PR, L3 tubeless) and rims
- Transmission, 4 forward and 4 reverse



OPTIONAL EQUIPMENT

- 3-spool valve
- Additional counterweight
- Air conditioner
- AM/FM radio
- AM/FM stereo radio cassette
- Auto air conditioner
- Batteries, **140 Ah**/2 x 12V
- Bucket teeth (bolt-on type)
- Bucket teeth (tip type)
- Counterweight for log
- Cutting edge (bolt-on type)
- Deluxe suspension seat
- ECSS (Electronically Controlled Suspension System)
- Emergency steering (SAE)
- Engine pre-cleaner with extension
- High lift arm
- Joystick steering
- Limited slip differential (F&R)
- Lock-up clutch torque converter
- Log grapple
- Ordinary spare parts
- Power train guard
- Rear fender
- Tool kit
- Vandalism protection kit

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