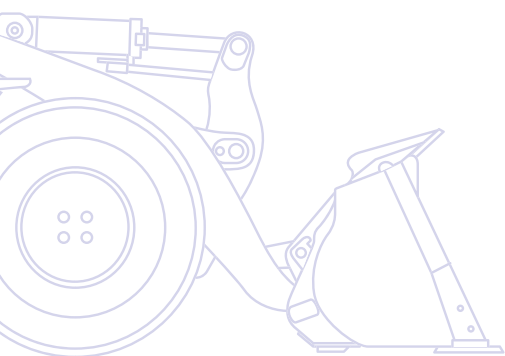


KOMATSU



Wheel Loader **WA150PZ-6**



ENGINE POWER
74 kW / 99 HP @ 2.200 rpm

OPERATING WEIGHT
9.100 - 9.355 kg

BUCKET CAPACITY
1,2 - 1,7 m³

Walk-Around

The highly versatile Komatsu WA150PZ-6 wheel loader features a perfect mix of power, comfort and reliability. With the new ecot3 engine and an advanced hydrostatic drive line it offers exceptional tractive force and ultra-low fuel consumption. This machine sets new efficiency standards for wheel loaders.

High productivity & low fuel consumption

- High-torque and low-consumption ecot3 Komatsu engine
- Highly efficient hydrostatic drive line
- Best-in-class dumping height and maximum stability
- Boom suspension system for minimum spillage (option)
- Meets EU Stage IIIA and EPA Tier III

Versatile PZ-linkage

- Combines advantages of Z-linkage with parallel lift
- Large break-out force for easy bucket fill
- High tilt forces for controlled work with heavy attachments
- Parallel lift for fast pallet handling
- Superb visibility to front attachments



WA150PZ-6

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74 kW / 99 HP @ 2.200 rpm

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9.100 - 9.355 kg

BUCKET CAPACITY
1,2 - 1,7 m³

First-class operator comfort

- Large SpaceCab™ cab with increased leg space
- Outstanding 360° visibility
- PPC-Multifunction lever
- Deluxe heated, air-suspended driver seat
- Electronically controlled air conditioning



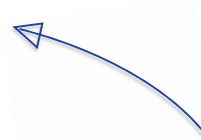
Easy maintenance

- Wide core radiator with auto reversible fan speeds up cleaning
- Factory fitted automatic lubrication system (optional)
- Large gull-wing doors for easy access to service points
- Equipment Management and Monitoring System (EMMS)
- Robust components with a long service life



KOMTRAX

Komatsu Satellite
Monitoring System



Responsive hydrostatic drive line (HST)

- Instant response for fast loading cycles
- Easy control in confined areas
- Advanced traction control system for best traction and minimized tyre wear
- Top speed selection for increased safety

Specifications

ENGINE

Model	Komatsu SAA4D95LE-5 Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.200 rpm
ISO 14396	74 kW / 99 HP
ISO 9249 (net engine power)	73 kW / 98 HP
Max. torque / engine speed	375 Nm / 1.600 rpm
No. of cylinders	4
Bore × stroke	95 × 115 mm
Displacement	3,26 ltr
Lubricating system	Gear pump, pressure feed lubrication filter
Filter	Main-flow filter
Electrical system	24 V
Battery	2 × 92 Ah
Alternator	60 A
Air-filter type	Dry-air filter with automatic dust emission and preliminary purification including a dust display

TRANSMISSION

Drive system	Electronically controlled hydrostatic transmission, switchable in all directions under full power. Fixed ratio gearbox. Variable speed limiter
Hydrostatic pump	1 variable piston pump
Hydrostatic motor	2 variable piston motors
Speed ranges (forwards/backwards)	4/4
Max. travel speeds (forwards/backwards) (Tyres 17.5 R25)	
1. speed range	5,5-13,6 km/h
2. speed range	13,6 km/h
3. speed range	23,5 km/h
4. speed range	38,0 km/h

CHASSIS AND TYRES

System	4-wheel drive
Front axle	HD axle, semi-floating, fixed type, TPD-differential, (LSD-differential optional)
Rear axle	HD axle, semi-floating, centre-pin support, 16° swing angle, TPD-differential, (LSD-differential optional)
Reduction gear	Spiral bevel gear
Differential	Spiral bevel gear
Final drive	Planetary gear in an oil bath
Tyres	17.5 R25 (standard)

SERVICE REFILL CAPACITIES

Cooling system	14,6 ltr
Fuel tank	133 ltr
Engine oil	11,5 ltr
Hydraulic system	47 ltr
Front axle	14 ltr
Rear axle	14,5 ltr
Transfer	3,9 ltr

BRAKES

Operating brakes	Completely hydraulic dual-circuit system, running in oil bath, multi-disc brakes on all wheels, service-free
Parking brake	Operated mechanically, running in oil bath, multi-disc brake, service-free
Emergency brake	Uses the parking brake

HYDRAULIC SYSTEM

Hydraulic pump	Gear pump
Working pressure (max)	210 bar
Circulating capacity of the hydraulic pump	108 ltr/min
No. of boom/bucket cylinders	2/1
Type	Double-action
Bore diameter × stroke	
Boom cylinder	110 × 628 mm
Bucket cylinder	110 × 628 mm
Hydraulic control lever	PPC Multi-function lever
Hydraulic cycle with rated load bucket filling	
Raise time	6,0 s
Lowering time (empty)	3,0 s
Dumping time	1,3 s

STEERING SYSTEM

System	Articulated frame steering
Type	Completely hydraulic power steering
Steering angle to either side	40°
Steering pump	Gear pump
Working pressure	190 bar
Pumping capacity	108 ltr/min
No. of steering cylinders	2
Type	Double-action
Bore diameter × stroke	55 × 375 mm
Smallest turn (outer edge of tyre 17.5 R25)	5.305 mm

CABIN

Two-door SpaceCab™ in conformity with ISO 3471 with ROPS (roll over protective structure) in conformity with SAE J1040c and FOPS (falling object protective structure) in conformity with ISO 3449. The air-conditioned pressurised cabin is mounted upon hydrobearings and is noise dampened.

ENVIRONMENT

Engine emissions

Fully complies with EU Stage IIIA and EPA Tier III exhaust emission regulations

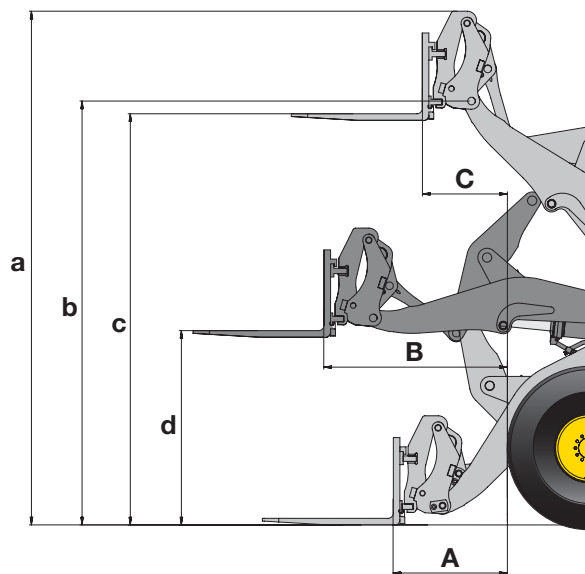
Noise levels	
LwA external	102 dB(A) (2000/14/EC Stage II)
LpA operator ear	73 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)*	
Hand/arm	≤ 2,5 m/s ² (uncertainty K = 1,03 m/s ²)
Body	≤ 0,5 m/s ² (uncertainty K = 0,25 m/s ²)

* for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

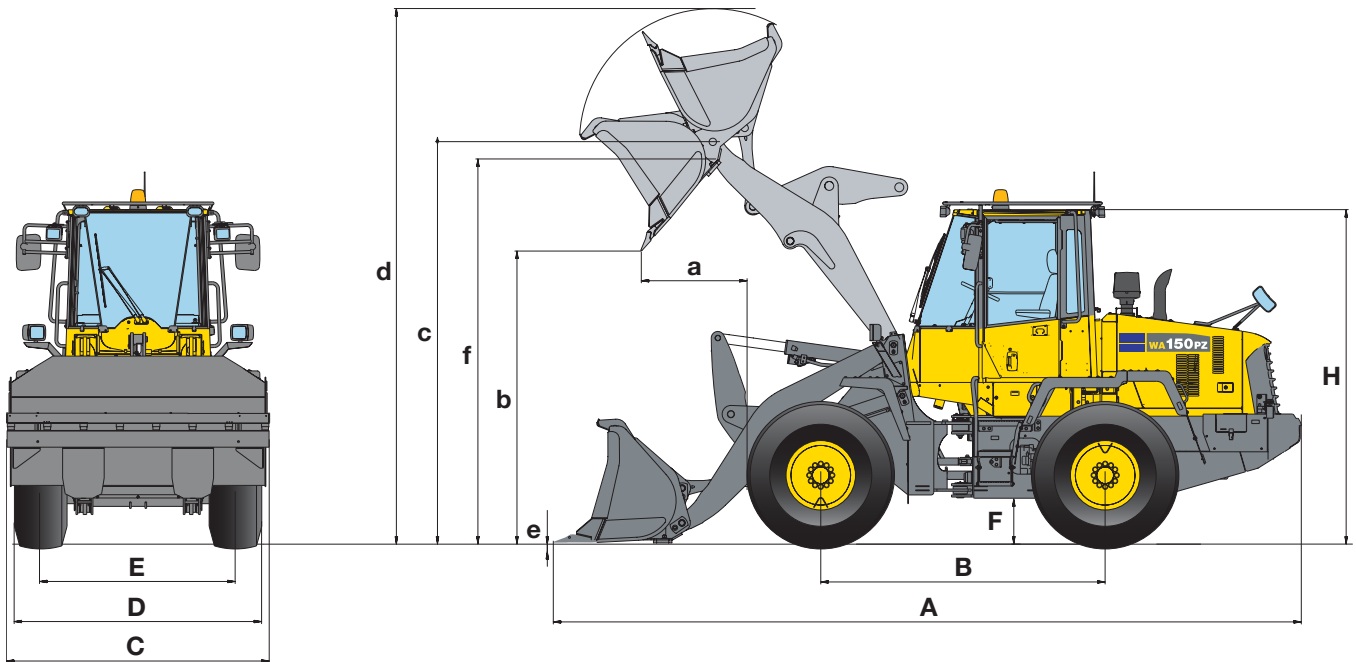
Dimensions & Performance Figures

FORK TINES

Sales code		C57
Fork tine length	mm	1.200
A Max. reach at ground level	mm	860
B Max. reach	mm	1.495
C Max. reach at max. stacking height	mm	630
a Max. height fork-carrier	mm	4.495
b Hinge pin height	mm	3.695
c Max. stacking height	mm	3.570
d Height of forks at maximum reach	mm	1.700
Max. tipping load, straight	kg	5.060
Max. tipping load, articulated	kg	4.450
Max. payload as per EN 474-3, 80%	kg	3.560
Max. payload as per EN 474-3, 60%	kg	2.670
Weight in working order with fork tines	kg	8.820



Dimensions & Performance Figures



MEASUREMENTS AND WORKING SPECIFICATIONS

		Universal		Stock pile		4-in-1
		with teeth	with BOC	with teeth	with BOC	with teeth
Bucket mount (direct/quick-coupler)		QC	QC	QC	QC	QC
Bucket capacity (heaped, ISO 7546)	m³	1,5	1,6	1,6	1,7	1,2
Sales code		C42	C43	C66	C67	C16
Material density (max)	t/m ³	1,8	1,65	1,65	1,5	2,00
Bucket weight	kg	705	750	800	845	960
Static tipping load, straight	kg	6.590	6.490	6.470	6.370	6.070
Static tipping load, 40° articulated	kg	5.780	5.680	5.660	5.560	5.290
Break-out force hydraulic	kN	80,9	76,7	78,6	74,5	76,5
Lifting capability hydr. at ground level	kN	101,7	99	99,7	97,3	88,2
Operating weight	kg	9.100	9.145	9.195	9.240	9.355
Turning radius at corner of tyres	mm	4.735	4.735	4.735	4.735	4.735
Turning radius at bucket edge	mm	5.330	5.300	5.340	5.305	5.335
a Reach at 45°	mm	1.063	945	1.083	967	1.080
b Dump height at 45°	mm	2.620	2.708	2.600	2.686	2.560
c Hinge pin height	mm	3.695	3.695	3.695	3.695	3.695
d Height top edge of bucket	mm	5.070	5.070	5.070	5.070	5.070
e Digging depth	mm	100	120	100	120	135
f Max. loading height at 45°	mm	3.420	3.420	3.420	3.420	3.420
A Overall length, bucket grounded	mm	6.916	6.788	6.946	6.818	6.997
B Wheelbase	mm	2.600	2.600	2.600	2.600	2.600
C Bucket width	mm	2.395	2.405	2.395	2.405	2.350
D Width over tyres	mm	2.220	2.220	2.220	2.220	2.220
E Track width	mm	1.780	1.780	1.780	1.780	1.780
F Ground clearance	mm	425	425	425	425	425
H Overall height	mm	3.060	3.060	3.060	3.060	3.060

All measurements with tyres 17.5 R25
BOC: bolt-on cutting edge



TYPICAL MATERIAL DENSITY – LOOSE (in kg/m³)

Basalt	1.960	Gravel, unscreened	1.930	Sandstone	1.510
Bauxite, Kaolin	1.420	Gravel, dry	1.510	Slate	1.250
Earth, dry, ex store	1.510	Gravel, dry, 6-50 mm	1.690	Slag, broken	1.750
Earth, wet, excavated	1.600	Gravel, wet, 6-50 mm	2.020	Stone, crushed	1.600
Gypsum, broken	1.810	Sand, dry, loose	1.420	Clay, natural	1.660
Gypsum, crushed	1.600	Sand, damp	1.690	Clay, dry	1.480
Granite, broken	1.660	Sand, wet	1.840	Clay, wet	1.660
Limestone, broken	1.540	Sand and clay, loose	1.600	Clay and gravel, dry	1.420
Limestone, crushed	1.540	Sand and gravel, dry	1.720	Clay and gravel, wet	1.540



Wheel Loader

WA150PZ-6

Standard and Optional Equipment

ENGINE

Komatsu SAA4D95LE-5 turbocharged common rail direct injection diesel engine	●
EU Stage IIIA/EPA Tier III compliant	●
Fuel filter with water separator	●
Engine cooling fluid corrosion resistor	●
Alternator 60 A	●
Starter motor 4,5 kW/24 V	●
Batteries 2 × 110 Ah/2 × 12 V	●

TRANSMISSION AND BRAKES

Electronically controlled HST with 2-motor system	●
Speed control with fine adjustment in 1st speed range	●
Traction control system (TCS)	●
Fully hydraulic brake system	●
Combined brake/inching pedal	●
20 km/h limited hydrostatic driveline	○

CHASSIS AND TYRES

Heavy-duty axles	●
TPD-differential front and rear	●
Power train guard	●
Tyres 17.5 R25 L3	●
Limited-slip differential (LSD) front and rear	○

SAFETY EQUIPMENT

Emergency steering system	●
Horn	●
Vandalism protection	●
Back-up alarm	●
Battery main switch	●
Beacon light	○
Electronic anti-theft lock	○
Electronic anti-theft lock with master key for fleet owners	○
Battery main switch	○
Additional convex rear view mirror	○
Roof rail	○

CABIN

Spacious double door driver's cab to DIN/ISO	●
ROPS/FOPS frame according to SAE	●
Air-suspended, heated seat	●
Electr. controlled air conditioning	●
CD radio	●
Hot and cool box	●
All-round tinted glazing	●
Front laminated glass	●
Heated rear window	●
Rear window wiper	●
Sun visor	●
Seat belt (EU standard)	●
Adjustable steering column	●
12 V power supply	○
Fire extinguisher	○

SERVICE AND MAINTENANCE

Wide core radiator	●
Hydrostat-driven swing-out radiator fan with automatic reversing function	●
EMMS (Equipment Management Monitoring System) with self-diagnostic function and maintenance display	●
KOMTRAX™ - Komatsu satellite monitoring system	●
Tool-set	●
Turbo II air pre-cleaner, cyclone type	○
Automatic central lubrication	○

HYDRAULIC SYSTEM

3-spool main control valve	●
Automatic return-to-dig	●
Automatic boom kick-out	●
PPC Multi-function lever with add. 3rd spool lever control	●
Electr. 3rd spool actuation on joystick	○

LIGHTING SYSTEM

2 halogen main headlights	●
2 spotlights at front and rear	●
Reversing light	●
Additional lights front and rear	○
Xenon working lights	○

OTHER EQUIPMENT

Z-bar boom with parallel movement (PZ-kinematics)	●
Counterweight	●
Electronically controlled load stabilizer (ECSS)	●
Waste handling equipment on request	○

ATTACHMENTS

Hydraulic quick-coupler (incl. additional side counterweights)	●
Universal buckets	○
Stock pile buckets	○
4-in-1 bucket	○
High-dump buckets	○
Log grapples	○
Fork carrier and tines	○
Waste handling high-dump bucket 2,0 m ³ with protection grid	○
Waste handling bucket 2,4 m ³	○
Waste handling mulch grapple bucket 1,5 m ³	○
Light material bucket 4,0 m ³	○

Buckets direct or quick-coupler mount, with teeth or BOC (bolt-on cutting edge).

Further equipment on request

The WA150PZ-6 is equipped in accordance with the safety regulations of the machinery guidelines 89/392 EWG ff and EN474.

- standard equipment
- optional equipment

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