



XH951/951XC-1

wheeled harvesters



Photo may include optional equipment

Operating weight

50,243 lbs. (22,790 kg),
51,313 lbs. (23,275 kg)

Net horsepower

287 HP (214 kW) @ 1,850 rpm

Tractive force

49,908 lbf. (222 kN),
54,404 lbf. (242 kN)

Productive and powerful harvester for final logging

The modern harvester has its origins in models that were designed back in the early 1980s. The 901 was launched in 1984, and at the time it was the world's first single-grapple harvester with a specially designed harvester chassis. Up until then, a modified forwarder chassis was often used. The 901 also saw the introduction of the stable Komatsu concept, which remains essentially the same today.

The Komatsu 951 | 951XC is designed to enable you to tackle the toughest final logging assignments. It's one of the largest harvesters on the market with the ability to operate extremely large heads.

Central to its capability is excellent stability and sure-footedness in rough terrain, made possible due to its Double Comfort Bogie suspension systems.

The **Komatsu 951** has six wheels; the **Komatsu 951XC** has eight propelled wheels for even more traction and stability.

Comfortable operators are productive operators, so the cab is spacious with excellent visibility, supportive and adjustable seat and thoughtful design.



Your work drives us

Tough challenges are part of your work, whether in harvesting challenging stands or meeting your profitability targets. This drives us to develop technical solutions that can help to make your work easier and more productive.

Crane for forestry

Every Komatsu harvester is equipped with a parallel crane developed specially for harvesters. Its geometry is tailored to high-intensity work; hydraulics are designed for fuel efficiency as much as capability.

The Komatsu concept for productive operators

A stable machine promotes operator confidence, which helps operators be productive through the day and still feel fresh at the end of it.

The Komatsu concept — debuting in 1984 — uses load-sensing stabilization, tilt cylinders, a low center of gravity and other smart solutions.

Off-road maneuverability

Komatsu harvesters have high ground clearance, thanks to the ingeniously designed portal bogie — the Komatsu Comfort Bogie — enabling the machines to deftly avoid obstacles.

To also help you traverse challenging terrain, transmissions direct power where it is needed and the chassis is strong where it is needed most.

Hydraulic power to get the job(s) done

Our three-pump hydraulic system (3PS) design enables you to perform several operations simultaneously — such as slewing the crane, feeding a log and maneuvering the machine.

Its dual-circuit means the hydraulics for the crane and the head are coupled together or operated separately depending on what best suits the situation.

The engine that can

Every Komatsu machine has a powerful engine that combines power and torque with low engine speeds, making it excellent for forestry work. Each engine is also designed to minimize maintenance efforts and repair costs.



A cab to enjoy



A spacious cab with excellent visibility

The cab is spacious with large windows offering a great view of the work area. Operators can position the LED monitor to maximize their visibility.

The entire cab, together with the crane pillar, can be rotated 360° for maximum working range. With the optional seat column, the seat can be rotated 180° for greater convenience.

A comfortable work environment

The cab is a quiet and comfortable environment, designed to leave operators feeling less fatigued at the end of their shift. The driver's seat is ergonomically designed with good lumbar and back support as well as many comfort adjustments.

The high capacity heating and air conditioning system, seat heater and available seat ventilation keep the operator comfortable as the outdoor weather swings.

Controls in just the right spot

Most of your operator's work is performed within the length of their forearm, which is why we ergonomically designed our joysticks (EME or mini), keypads and pedals. Operators can reposition them and custom program many operations for further comfort and productivity. The harvester is steered with a mini steering wheel on the right hand panel (instead of an Orbitrol wheel).



Luxury interior

For long days at work, we appointed the cab with many amenities. It's easy to connect devices to the audio system to listen to music, podcasts and audiobooks. There are many storage compartments and smart spaces, including surface for food and drink. The integrated food box can be heated or cooled and another compartment can be cooled for beverages. All surfaces are easy to clean.



Stay upright in our leveling cab

As the 951 harvester works its way through challenging, sloped terrain, the self-leveling cab keeps the operator comfortable and confident. It also has productivity benefits, as the crane also levels, so energy is used for work, not compensating for the terrain.

Simple servicing

We've designed the harvester to be serviced easily and quickly so you can get to work. All of the daily inspection points can be reached from ground level and without opening any hoods. Wherever possible, we have grouped the maintenance and inspection points. It's easy to top up diesel and AdBlue and to change the oil and replace the filters. You can read fluid levels from inside the cab and pressure calibration for the crane and the harvester are automatic.



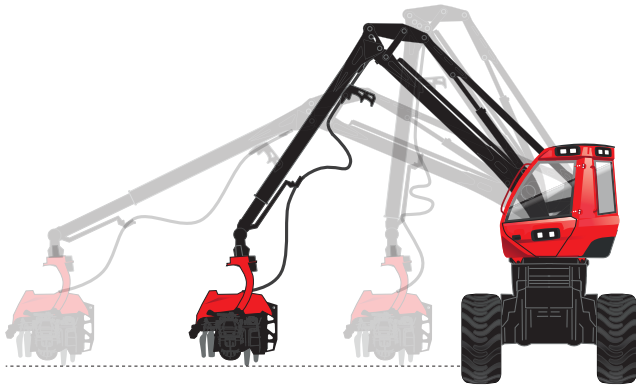
Customize your work environment

The harvester is your office, so we offer options to customize it for your comfort and productivity. For your wellbeing —both today and after many years on the job.



Smart Crane for harvesters

Smart Crane automates crane control, including a single joystick movement returning the crane from full reach to full retract. The crane's quick response and precision make getting the head exactly where you want a breeze.



Powerful lighting

Good lighting conditions are important for productivity and safety. The 951 has a host of powerful working lights, with a broad range of additional lighting options for even more visibility.



Take your pick: six wheels or eight



A more agile final harvester: 6-wheel 951

Six-wheel harvesters are easier to maneuver and require less complex power steering than the eight-wheeled counterpart. With fewer moving components, maintenance and service are simplified. It's also lighter, making it easier to transport.

A more stable final harvester: 8-wheel 951XC

Our eight-wheeled harvesters combine a swing axle with a bogie, resulting in dual suspension systems for the rear axle. This innovative design gives the machine both a lower center of gravity and more ground contact, making it particularly stable in terrain and good at climbing steep slopes. Eight-wheeled machines also have lower ground pressure for less impact on soft ground.

Creating value together



The forestry industry supplies valuable materials that benefit us all. From construction components for homes and fences, through to packaging for parcels and the pages of our kids' bedtime story books. And it is your hard work that makes all this possible.

We want to be a partner you can trust when creating these values. Komatsu has stood by your side for an entire century, offering unique quality, peace of mind, knowledge and support. Our way of working, from innovation to manufacturing, is distinguished by our partnership with you, our customers. Together, we create the solutions required to achieve a sustainable future for people, businesses and our planet.

The right head for every assignment

The type of forest in which you work determines the harvester and head combination you need. Komatsu offers a broad range of harvester heads, from two- or four-wheel feed to specialist heads for harvesting eucalyptus. What's more, various options enable our heads to be adapted to different types of harvesting.



S class

S class heads are renowned for their simple and proven design and productivity in forests with crooked stems. They're easy to service and maintain, and they've been built to be reliable in all weather. Some S class heads are available with debarking capability.



C class

C class heads are characterized by high productivity coupled with low energy consumption, thanks to a unique feed system in which the stem is held by the feed rollers. The C heads also have several innovative solutions that make them popular companions in the forest.



Five innovative reasons to choose a Komatsu head

The **Constant Cut saw unit** ensures the correct chain speed throughout the cutting cycle without overspeeding. Available on C heads and most S heads.

Centralized lubrication points offer easy access. The head also has a fixed service position for lubrication and fluid top-ups, simplifying service. Available on C heads.

Flex Friction Control ensures the stem is correctly positioned in the feed path for low friction and effective feeding. Available on S heads.

The **C head feed system** has a unique design where the stem is held by the feed rollers, resulting in low energy consumption and very accurate measuring.

The **Find End option** ensures that felled trees are measured correctly, even when processing pre-felled trees.

Dimensions



Overall dimensions

	951-1	951XC-1
A Width	10' 0.5" (3,060 mm)	9' 9" (2,980 mm)
B Length, total	27' 2" (8,285 mm)	26' 4" (8,015 mm)
C Length, front axle to articulated joint	7' 5" (2,300 mm)	6' 4" (1,930 mm)
D Length, articulated joint to rear axle	6' 1" (1,850 mm)	7' 1" (2,150 mm)
E Transport height	13' (3,960 mm)	13' 1"/12' 11" (3,980*/3,940** mm)
F Ground clearance	2' 2" (665 mm)	2' 4" (708 mm)

NB: Stated dimensions are nominal and may vary depending on production tolerances and optional equipment.

* Dimension up to roof, upright cab (with tire compression)

** Dimension cab tilted back with tilted light bar (with tire compression)

Heads

	Komatsu C124	Komatsu S132	Komatsu C144	Komatsu S172	Komatsu C164
Weight (from)	2,668 lbs. (1,210 kg)	3,042 lbs. (1,380 kg)	3,102 lb. (1,407 kg)	3,693 lb. (1,675 kg)	3,688 lb. (1,673 kg)
Felling/cutting diameter	26 in (660 mm)	28 in (710 mm)	29.5 in (750 mm)	29.5 in (750 mm)	32.7 in (830 mm)
Feed speed	0-16 ft./s (0-5 m/s)	0-16 ft./s (0-5 m/s)	0-16/0-21 ft./s (0-5/0-6.5 m/s**)	0-16 ft./s (0-5 m/s)	0-16 ft./s (0-5 m/s)
Feed force, gross	23.7/28.3 kN**	21.0/26.1/28.7 kN**	21.0/26.1/28.7 kN**	40.2 kN	29.6/35.4 kN**
Front knives, max. opening	24.6 in (625 mm)	25.2 in (641 mm)	25.6 in (650 mm)	29.8 in (757 mm)	29.5 in (750 mm)
Feed rollers, max. opening	26.4 in (670 mm)	25.4 in (625 mm)	29.5 in (750 mm)	28.1 in (713 mm)	33.5 in (850 mm)

*depends on saw bar

**depends on engine

NB: Stated dimensions are nominal and may vary depending on production tolerances and optional equipment.

Specifications

Engine

6-cylinder diesel engine with turbo and intercooler. Conforms to the requirements of EU Stage V (Europe), Tier 4F (North America) and Stage II (other countries).

Engine type	Stage V: 74 LFTN-D5 Tier 4F: 74 LFTN-D4 Stage II: 74 LFEN-A2
Engine displacement	452 in ³ (7.4 L)
Power, max.	Stage V and Tier 4F: 287 HP (214 kW DIN)
Torque	Stage V, Tier 4F and Stage II: 944 lb-ft (1,280 Nm)
AdBlue tank	11 gal (42 L)
Fuel tank capacity (approx.)	123 gal (466 L)

Transmission

Hydrostatic-mechanical, controlled via MaxiXT. Transfer gearbox with two positions. Disengageable front-wheel drive.

Differential locks	Front and rear axles Mechanical electro-hydraulic control
Driving speed (951-1)	0-14.9 mph (0-24 km/h)
Tractive force (951-1)	49,908 lbf (222 kN)
Driving speed (951XC-1)	0-13 mph (0-21 km/h)
Tractive force (951XC-1)	54,404 lbf (242 kN)

Hydraulic system

Dual-circuit load-sensing system with variable piston pumps	
Flow	139 GPM (528 L/min)
System pressure	4061 PSI (280 BAR)
Hydraulic oil tank (approx.)	66 gal (250 L)
Other	Pressure filter for hydrostatic circuit. Return oil filter for hydrostat and working hydraulics. Hydraulic oil level alarm.

Frames/axles

Front axle	Geared bogie of "high-clearance" type with portal gears housed in the rims. Differential with mechanical differential lock.
Rear axle	Swing axle with hub reduction. Differential with mechanical differential lock. Hydraulic stabilizers.
Wheels	front/rear: 710-800/26.5"

Brake system

Fully hydraulic multi disc brakes. Brake pressure accumulators charged via automatic hydraulic accumulator charging valve.

Driving brake	Four multi disc brakes in oil bath acting on front and rear axles
Working brake	Same as driving brake. Automatically engaged when working.
Parking brake	Spring-action brake with electro-hydraulic control. Emergency brake.
Brake performance	Conforms to ISO 11169 and VVFS 2003:27

Crane

	270H
Reach	28.5/33.8' (8.7/10.3 m)
Lifting torque, gross	275 kNm
Slewing torque, gross	60 kNm
Head	C124/S132/C144/S172/C164

Steering

Hydraulic articulated steering with two dual-acting hydraulic cylinder	
Joystick steering	Load-sensing (LS) proportional steering from crane
Electric steering	Finger-controlled mini steering wheel on right-hand panel
Steering angle	38.5 degrees

Electrical system

Voltage	24V
Battery capacity	2 x 180 Ah
Alternator	2 x 100 A

Lighting

Working lights	16 LED lights: 7 lights roof mounted, 2 cab door, 2 boom, 3 crane base, 2 engine hood
Service lights	LED lights in service compartments

Ergonomics

Leveling for good posture. Cab coupled to swing axle. Crane and cab on horizontal, rotating platform. Hydraulic stabilization when maneuvering	
Horizontal leveling	Longitudinal 22°/20° and lateral 16°
Rotation	180 degrees

Equipment

Engine and related components

Engine - AGCO Power 74 LFTN-D4, EPA Tier 4 Final 287 NET HP (214 kW DIN) @ 850 RPM	● ●
After-cooled, turbocharged direct injection	● ●
Air cleaner, double element	● ●
Engine hood guard, tubular steel (std)	● ●
Reinforced engine hood guard, tubular steel	○ ○
Pump, 24V electric fuel fill	○ ○

Electrical system

Alternator, 2 x 100 amp, 24V	● ●
Batteries, 2 x 12V, 180 Ah; heated by the diesel heater	● ●
Emergency start battery cable kit	● ●
16-LED working lights (7 roof, 2 cab door, 2 boom, 3 crane base, 2 hood)	● ●
Roof-mounted LED lights	○ ○
Extra LED working lights	○ ○

Drivetrain

Hydrostatic-mechanical low/high range transmission	● ●
Front/rear axle, pivoted with hub reduction and hydraulic stabilizer lock	● ●
Bogie protection plates	● ●
Front-rear differential with mechanical lock	● ●
Internal multi-disc wet brakes	● ●
Hydraulic articulation frame steering	● ●
±40 degree articulation steering angle, electrical steering cylinder end damping	● ●

Operator environment*

Cab, ROPS (ISO8082), FOPS (ISO8083), OPS (ISO8084), WCB (G603)*	● ●
EME control handle steering plus finger-controlled miniature electric	● ●
Mini-levers advanced control handles (ILOS EME-levers)	○ ○
Steering control on right side panel	● ●
Automatic climate control with heating, air conditioning and filtered air intake	● ●
AM/FM Radio/CD, MP3 player interface, AUX/USB connection, Bluetooth	● ●
Polycarbonate windows (15mm front, 10mm side)	● ●
Front/roof window wipers and washers	● ●
Fully adjustable Be-Ge 3000 high back air suspension seat, air vented	● ●
Turnable operator seat	● ●
Seat belt, retractable	● ●
Sun blinds, drink cup holder, coat hook	● ●
Four cab ceiling-mounted interior LED lights	● ●
Heating and cooling boxes for food/beverages	● ●
Rear emergency escape	● ●
Rear view video camera	○ ○
Komatsu MediaZone	○ ○

Hydraulic controls

Load sensing 2-circuit hydraulic system, 139 gpm (528 ltr/min) pump flow	● ●
High pressure filter for hydrostatic travel circuit	● ●
Low hydraulic oil warning	● ●
24V electric hydraulic tank oil fill pump	● ●
24V hydraulic system vacuum pump	● ●
Shell Tellus S2 VX46 hydraulic oil	● ●
Thermostatically controlled hydraulic oil cooling	● ●

Leveling system

Automatic cab/crane leveling	● ●
Leveling - Longitudinal: 20 degrees (36%) / 22 degrees (40%) - Lateral: 16 degrees (28%)	● ●
Cab/crane rotation, ± 180 degrees	● ●

Crane

Crane damping, centralized greasing	● ●
270H crane with 33' 9" (10.3 m) reach	● ●
270H crane with 28' 3" (8.6 m) reach	○ ○

Control system

MaxiXT control system for machine, head and measuring control, information and administration system. Includes length optimizing bucking function. Other software includes:	● ●
MaxiXT value bucking function	● ●
Maxi XT operational monitoring system	● ●
MaxiS 1.1 stem profiles and file analyses	● ●
MaxiP for reading PRD files	● ●
Maxi PC X40, Microsoft Windows operating system, 8GB RAM, 128 GB solid state drive, wired keyboard with track ball	● ●
12" color screen	● ●
GPS receiver	● ●
MaxiPC X40 computer touchscreen	○ ○

Tires

710-26.5 Nokian Forest King F2	○ ○
710-26.5 Nokian TRS2	○ ○
800-26.5 Nokian Forest King F2	○ ○
800-26.5 Nokian TRS2	○ ○
Spare - 710-26.5 Nokian Forest King F2	○ ○
Spare - 710-26.5 Nokian TRS2	○ ○
Spare - 800-26.5 Nokian Forest King F2	○ ○
Spare - 800-26.5 Nokian TRS2	○ ○

Other equipment

Heater, fuel fired jacket water and hydraulic oil preheater 9.1 kW capacity (also heats the 2 x 12V batteries)	● ●
Rear service access ladder	● ●
Electrically-controlled platform step under cab door	● ●
Automatic central lubrication system	● ●
Tool box and tools	● ●
O-ring kit for hydraulic hoses	● ●
Rear frame tie-down hook	● ●
Fire extinguishers, 2 x 13.2 lb (6 kg), hand held	● ●
Back-up (reverse) alarm signal	● ●
Documentation in memory stick and paper formats	● ●
Marks and plates, English	● ●
Marks and plates, French	○ ○
Control equipment XL	○ ○

951-5	951XC-5
Standard equipment ●	Standard equipment ●
Optional equipment ○	Optional equipment ○

*Note: Wheeled Komatsu harvester manufactured on or after 1st of May - 2019, is not for sale or use in British Columbia due to the window glazing not meeting WCB 26.13.4, saw chain shot protection as enacted by B.C. Reg. 9/2017, effective May 1, 2017.



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