

KOMATSU®

951

Colossally powerful

Forestry Quality™

951

HARVESTERS



Extremely eco-friendly and productive

951



The new Komatsu 951 is the largest harvester you can find on the market.

A giant packed with future technology that delivers completely new levels of productivity, operator comfort and eco-friendliness. A few of the most important strengths are presented here.

Engine

The new 951 is even a colossus in terms of eco-friendliness with the new Stage 4/Final engine. It fulfills the most stringent requirements on minimised emissions of environmentally hazardous particles and nitrogen oxides. What's more, the hypermodern engine technology improves fuel economy and considerably reduces noise thanks to its intelligent variable fan control – without compromising engine power.

Operator environment

The new 951 focuses on the operator like never before. Consider, for example, the large cab volume, the superb visibility, smart screen placement and key for remote control of locks and hatches, the main circuit breaker and the cab heater from a distance. Then we have optimised storage solutions, air conditioning, lighting and floor heating (optional), as well as three alternative joystick systems, including EME. Optional extras include our unique Autolev Advanced cab suspension and a complete media hub (MediaZone) with both USB and AUX inputs.

Hydraulics

The 951's enormous work capacity is down to the new and unique 3-pump hydraulics, split into dual circuits with separate pressure levels. The system is power-regulated against the diesel engine and delivers the market's leading hydraulic capacity at 763 l/min. Unique pressure and flow optimisation enables you to work faster without losing power on certain functions. You can use several crane and head functions simultaneously, such as slew, feed and manoeuvre the machine, with maximum hydraulic power and optimally low fuel consumption.



Transmission

An impressive 232 kN of traction force and unique interaction between engine, control system and transmission. This is what the 951's new hydrostatic power-optimised transmission gives you. It enables full use of engine power, which is a great advantage when navigating gradients and difficult terrain. There are also several pre-set and task-specific driving modes. The result is maximised productivity and benefit from every ounce of horsepower and every gallon of fuel.

Crane placement and work area

The crane's placement together with the large work area provide the Komatsu 951 with unique conditions for high production capacity. The concept is proven and has a simple design, providing market-leading visibility and performance. The coupling between the cab's tilt cylinders and the stabiliser cylinders mounted on the rear axle provides world-class stability. To this we can add the cab's 360-degree rotational ability, which provides a larger work area and enables higher timber concentration and more effective forwarding.



Unique eco-friendly engine

The new Stage 4/Tier 4 Final engine fulfils the market's most stringent emission requirements for NOx and particles.

THE GIANT WITH MIGHTY NEXT GENERATION HARVESTER BENEFITS



World first!

The unique 3-pump hydraulic system means that you can operate several functions simultaneously, such as slewing the crane and feeding a log while manoeuvring the machine, without losing hydraulic power.



Almost unstoppable

Komatsu Comfort Bogie – our unique portal bogie – provides superb stability, ground clearance and manoeuvrability.

A giant harvester larger than anything else on the market – and equipped with next generation high technology and benefits across the board, from the environment and maintenance to operator comfort and productivity. This is the sum of the advantages of the new large Komatsu 951.

Simply consider the large, spacious cab with its many new operator-friendly features. Everything from superb visibility, air conditioning, lighting and floor heating to the industry's first remote control keyless system, which can control the heating



Always perfect visibility. Thanks to the crane's placement to the side of the cab, you always have optimal visibility of the head whether it's close to or far from the cab.



The unique solution with the crane placed in the middle of the machine and the coupling between the tilt cylinders and the swing axle provide superior stability.



and the main circuit-breaker/lighting from a distance. Keyless system access is coded by operator, so the operator is automatically logged in to MaxiXplorer when activating the main circuit breaker. Extra high comfort is available with the Autolev Advanced option, our unique cab suspension. Moreover, you can enjoy incredibly low noise levels thanks to the interaction between the new intelligent engine cooling, the new slewing transmission and noise-reducing internal and external designs.

An important part of the 951's super prowess is the unique and revolutionary 3-pump hydraulics. With a total hydraulic capacity of 763 l/min it provides more than just extreme lifting power. The incredibly smart pressure and flow optimisation also means that you can do several things at once, such as slew and feed, with full hydraulic power and maintain a considerably higher work rate. To this we can add a full 360 degrees of cab rotation that enables you to process more from the same spot, which naturally optimises forwarding.

Efficiency, especially when it comes to energy and the environment, is characteristic of the brand new Stage4/Final engine. Like no other it fulfils the industry's most stringent emission requirements and reduces fuel consumption. Considerably increased efficiency is also noticeable in the service and maintenance components of the 951, thanks to a host of smart function and design solutions. The result is a simpler, more eco-friendly and more profitable working day – just as modern forestry demands!

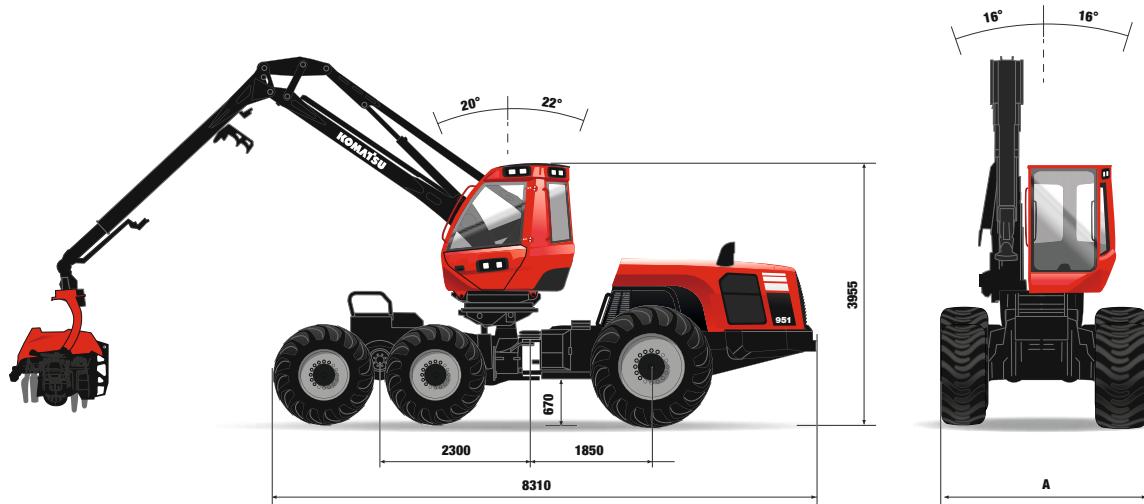


New service advantages – everything from improved access to filters and separate hatches for refilling diesel and hydraulic oil to a cassette system for faster valve adjustment.



The cab levelling function means that you are always seated levelly and don't need to stretch and strain to maintain good posture.

TECHNICAL SPECIFICATIONS



WHEEL EQUIPMENT ALTERNATIVES (FRONT AND REAR) AND MACHINE WIDTH (A)

	Tyre selection	Width (mm)
6WD (front)	710/55 x 28,5	3,060
	780/50 x 28,5	3,160

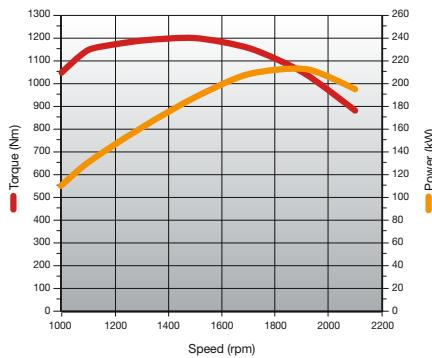
	Tyre selection	Width (mm)
6WD (rear)	710/70 x 34	3,060
	750/65 x 34	3,160

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

WEIGHT

Curb weight¹⁾: from 22,620 kg

1) With 710 wheels.



ENGINE

AGCO POWER 74 -AWF, 6-cylinder diesel engine with turbo and intercooler. EPA Tier 4 Final and EU Stage 4.

Stroke volume:

7.4 l

Power, max.:

210 kW DIN (285 hp) at 1,900 rpm

Torque:

1,200 Nm at 1,500 rpm

Fuel tank:

approx. 529 l

POWER TRANSMISSION

Hydrostatic-mechanical, controlled via MaxiXplorer. Transfer gearbox with 2 positions. Disengageable front-wheel drive.

Differential locks:

Front and rear axle. Mechanical electro-hydraulic control.

Driving speed:

0-7.7/23.5 km/h (off-road/road)

Traction force:

232 kN

HYDRAULIC SYSTEM

Dual-circuit load-sensing system with variable piston pumps.

Flow:

528 l/min at 1,600 rpm

System pressure:

280 bar

Hydraulic oil tank:

approx. 250 l

Miscellaneous:

Pressure filter for hydrostatic circuit. Return oil filter for hydrostatic and working hydraulics. Hydraulic oil level warning.

FRAME/AXLES

Axle, front:

Geared bogie "hi clearance" type with portal axles housed in the rims. Differential with mechanical differential lock.

Axle, rear:

Swing axle with hub reduction. Differential with mechanical differential lock. Hydraulic stabiliser.

BRAKE SYSTEM

Driving brake:

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

Working brake:

Four multi-disc brakes in oil bath acting on front and rear axles.

Parking brake:

Same as driving brake. Automatically engaged when working.

Braking performance:

Spring-action brake with electro-hydraulic control. Emergency brake.

Conforms to ISO 11169 and VVFS 2003:27.

CRANE

270H

Reach:

8.6/10.3 m

Lifting torque, gross:

274 kNm

Slewing torque, gross:

60 kNm

Head:

8,6 m: C202, C202E

10,3 m: 365.1, S132, 370.2, C144, 370E, S172

HARVESTER HEAD

	Komatsu 365.1	Komatsu S132	Komatsu 370.2	Komatsu C144	Komatsu 370E	Komatsu S172	Komatsu C202	Komatsu C202E
Weight:	from 1,235 kg	from 1,364 kg	from 1,470 kg	from 1,400 kg	from 1,600 kg	from 1,675 kg	from 2,060 kg	from 2,010 kg
Felling/cutting diameter:	650 mm	720 mm	700 mm	710 mm	700 mm	750 mm	700 mm	650 mm
Feed rate:	0-5 m/s	0-5 m/s	0-5 m/s	0-5 m/s	0-5 m/s	0-5 m/s	0-4/4.5 m/s	0-4.5/6 m/s
Feed force, gross:	23.7/28.3 kN	28.7/31.1 kN	28.3/30.8 kN	29.6 kN	21.0/30.8 kN	40.2 kN	36.3/39.6 kN	35.5/26.6 kN
Opening, front knives, max.:	625 mm	641 mm	640 mm	660 mm	640 mm	757 mm	670 mm	675 mm
Roller opening, max.:	650 mm	625 mm	600 mm	750 mm	600 mm	713 mm	650 mm	650 mm

STEERING

	Hydraulic articulated joint with 2 dual-acting hydraulic cylinders.
Lever steering:	Load-sensing (LS) proportional steering from crane controls/rocker.
Steering angle:	+/- 40°
Ex. of other equipment:	Electrical limit damping.

ELECTRICAL SYSTEM

Voltage:	24 V
Battery capacity:	2 x 180 Ah
Generator:	2 x 100 A

LIGHTING

	Halogen: More than 30 lux in the entire work area and at least 60 lux at the head. LED: More than 80 lux in the entire work area and at least 120 lux at the head.
Ex. of other equipment:	Twin reversing lights. Roof-mounted work lighting. Service lighting, hoods. Extra work lighting.

ERGONOMICS

	Levelling for good posture. Cab coupled to swing axle. Crane and cab on horizontal, rotating platform. Hydraulic stabilisation when manoeuvring.
Horizontal levelling:	Longitudinal 20°/22° and lateral 16°
Rotation:	360°
Ex. of other equipment:	Autolev – fully-automatic cab and crane levelling. Crane damping. Cab suspension. Slewing damper.

CAB

Safety:	Safety tested. Levelling. Thermal and acoustic insulation. Conforms to ROPS ISO 8082, FOPS ISO 8083, ISO 3449 and OPS ISO 8084.
Seat:	Choice of ergonomically designed seat for individual adjustment of the seat cushion, back and lumbar support, arm rests and joystick panels. The seats have a suspension and damping system. Alternative seat that also conforms to WCB G603.
Windshields:	Windscreen and side windows of 15-mm safety glass for maximum safety.
Heating/ventilation:	Combined heating and cooling unit or climate control. Filtered intake air via allergy filter.
Noise level:	As per ISO standard.
Vibrations:	As per ISO standard.
Miscellaneous:	Manual tilt. Multi-position safety lock. Electrical kit for two-way radio and telephone (12 V). Windscreen wiper and washer on front and roof windows.
Ex. of other equipment:	Sun shades. Swivel seat. Electrically-controlled platform under cab. Radio with MP3 player and USB port. MediaZone. Air-ventilated BeGe seat with head rest. Environment filter for intake air. Refrigerator. Lunch box heater.

MAXIXPLORER CONTROL AND INFORMATION SYSTEM

- Fully integrated machine control system, CAN-based, with intelligence in the head, crane, engine and transmission, for optimum performance and fuel consumption. Eco-driving function.
- Effective head control system. Features include multi-tree handling, sequence control, anti-slip function, bar rescue, automatic tilt at tree end, diameter-dependent clamping pressure and more.
- Value-optimised or length-optimised bucking with high timber value optimisation.
- Easy-to-use operator interface. High-performance PC with Windows operating system, SSD hard drive, touchscreen selection and data backup function. Antivirus software.
- Comfort Controls. Ergonomic joysticks of various types with extensive functionality.

DOCUMENTATION

Printed operating and starting instructions.
Instruction manual and spare parts catalogue on CD.

EXAMPLES OF OTHER EQUIPMENT

- Sprinkler system. Semi-automatic water-based fire extinguishing. Conforms to RUS 127.
- Hand-held fire extinguisher. 2 x 6 kg ABE-3.
- Dry powder fire extinguishers.
- Printed instruction manual (also electronic in Maxi).
- Printed spare parts catalogue (also electronic in Maxi).
- Diesel heater 9.1 kW incl. timer and hydraulic oil heater.
- Stump treatment equipment.
- Biodegradable hydraulic oil.
- Service ladders.
- Toolbox with tools.
- Reversing camera as standard (in EES countries in compliance with EU Directive 2006/42/EU).
- Platform at side of cab and ladder on left side of rear frame as standard (in EES countries in compliance with EU Directive 2006/42/EU).
- Belt guard for flat belt as standard (in EES countries in compliance with EU Directive 2006/42/EU).
- Central lubrication.
- Electric diesel filling.

NOTES

The specifications describe possible equipment, not which equipment is standard or optional. Standard and optional equipment varies between countries. Your sales representative has an up-to-date list of what is included. Weights are based on the equipment specified in the basic specification. Specifications and designs are subject to alteration without prior notice.



FORESTRY QUALITY

Modern forestry demands a holistic approach. With high productivity, low operating costs and innovative technology. With good ergonomics and a long-term approach to ecology. And with a responsive combination of service and customer care.

We summarise all of this as Forestry Quality – the quality required in the forest. This holistic approach permeates everything we do, and we have but a single focus: your working day. We strive to ensure that machine owners and operators always feel that their relationship with Komatsu Forest is characterised by closeness, knowledge and peace of mind. That we understand your situation and use all of our experience, expertise and capacity to fulfil your needs.

And yes, it is true that Komatsu Forest's technologically advanced harvesters, forwarders and heads continually push the envelope for what can be achieved with a modern forest machine. Equally true is that our integrated information systems and proactive service and support create new opportunities for long-term profitability.

However, at its core, Komatsu Forest's promise concerns the whole. And the combined advantages offered throughout the entire production chain and the machine's entire service life. Today and tomorrow.

That is Forestry Quality.

**KOMATSU****Komatsu Forest AB**
www.komatsuforest.com