

931

The new Komatsu 931 is built for truly demanding logging. In several decisive areas it provides the benchmark for future needs of maximum production capacity, eco-friendliness and operator comfort – the most important of which are presented here.



### Dimensions (six-wheeler with 600 mm tires)

<b>A. Width</b>	2,726 mm
<b>B. Length, total</b>	7,525 mm
<b>C. Length, front axle to middle joint</b>	1,930 mm
<b>D. Length, middle joint to rear axle</b>	1,800 mm
<b>E. Transport height, with tire compression</b>	3,960 mm
<b>F. Ground clearance</b>	685 mm

NOTE: Stated dimensions are nominal and may vary slightly depending on production tolerances and choice of equipment.

### Weight

Curb weight: from 19,880 kg

### Engine

AGCO POWER, 6-cylinder diesel engine with turbo and intercooler. Conforms to the requirements of EU Stage V (Europe), Tier 4F (North America), MAR-1 (Brazil) and Stage II (other countries).

Engine type:	Stage V: 74 LFTN-D5, Tier 4F: 74 LFTN-D4, MAR-1: 74 CW3, Stage II: 74 LFEN-A2
Stroke volume:	7.4 l
Power, max.:	Stage V, Tier 4F and Stage II: 190 kW DIN at 1,850 rpm, MAR-1: 193 kW DIN at 1,900 rpm
Torque:	Stage V, Tier 4F and Stage II: 1,130 Nm at 1,500 rpm, MAR-1: 1,000 Nm at 1,500 rpm
AdBlue® tank:	42 l
Fuel tank:	approx. 405 l

### Power transmission

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

Differential locks:	Front and rear axle. Mechanical electro-hydraulic control.
Driving speed:	0 - approx. 21 km/h
Traction force:	189 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. 220 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:	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.
Braking performance:	Conforms to ISO 11169 and VVFS 2003:27.

### Crane

Reach:	230H 8.7/10/11 m
Lifting torque, gross:	230 kNm
Slewing torque, gross:	47.5 kNm
Head:	S92/C93/C124/S132/V132E/C144/370E

### Steering

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

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## Harvester Head

	Komatsu S92	Komatsu C93	Komatsu C124	Komatsu S132	Komatsu V132E	Komatsu C144	Komatsu 370E
Weight, from:	951 kg	970 kg	1,210 kg	1,364 kg	1,380 kg	1,410 kg	1,600 kg
Felling/cutting diameter:	630 mm	600 mm	650 mm	720 mm	550 mm	710/750 mm*	700 mm
Feed rate:	0-5 m/s	0-5 m/s	0-5 m/s	0-4,8/5 m/s**	0-6,5 m/s	0-5 m/s	0-5 m/s
Feed force, gross:	26.1 kN	20.1/25.3 kN**	23.7/28.3 kN**	21.1/24.3 kN**	21.1/24.3 kN**	23.7/29.6 kN**	21/25.7/28.3/30.8 kN**
Opening, front knives, max.:	535 mm	600 mm	625 mm	641 mm	710 mm	660 mm	640 mm
Roller opening, max.:	519 mm	550 mm	670 mm	625 mm	550 mm	750 mm	600 mm

\*depends on saw bar \*\*depends on engine

## Electrical system

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

## Lighting

Working lights:	13 lights on cab, 2 lights on crane, 3 lights on crane base, all halogen, and 2 lights on the engine hood grille, LED
Service lighting:	LED lights in service compartments.
Ex. of other equipment:	Working lights (LED). 9 lights on cab, 2 lights on crane, 3 lights on crane base and 2 lights on engine hood grille. Variations of extra working lights (LED). 2 roof-mounted lights on cab (halogen)

## Ergonomics

	Levelling for good posture. Cab coupled to swing axle. Crane and cab on horizontal, rotating platform. Hydraulic stabilisation when manoeuvring.
Horizontal levelling:	Longitudinal 22°/20° and lateral 16°
Rotation:	+/-180°
Ex. of other equipment:	Autolev – fully-automatic cab and crane levelling. Crane damping. Cab suspension. Slewing damper.

## \*Cab

	Tested in accordance with applicable requirements. Levelling. Thermal and acoustic insulation.
Seat:	Several alternative seat options. Ergonomically designed with headrest, armrests, hand controllers and waist safety belt. Depending on seat selection, different options are available for individual adjustment of the seat cushion, backrest and lumbar support. Also available as a rotating seat.
Windows:	Polycarbonate windows throughout.
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. Windscreen wipers and washers on windscreen.
Ex. of other equipment:	<ul style="list-style-type: none"> <li>• Swivel seat</li> <li>• Smart radio/DAB radio</li> <li>• MediaZone</li> <li>• Electrically-controlled platform under cab</li> </ul>

## MaxiXT 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.

## Examples of other equipment

- Sprinkler system. Fully automatic water-based fire extinguishing. Conforms to SBF 127.
- Hand-held dry powder fire extinguishers 2 x 6 kg (ABE-3), fitted externally.
- Hand-held dry powder fire extinguisher 2 kg (F2GM), fitted in cab.
- Hand-held dry powder fire extinguishers 2 x 9 kg, fitted externally.
- Diesel heater 9.1 kW incl. timer and hydraulic oil heater.
- Stump treatment equipment.
- Biodegradable hydraulic oil.
- Service ladders.
- Toolbox with tools.
- Tracks, chains.
- Reversing camera as standard (in EEA countries in compliance with applicable EU Directive).
- Platform at side of cab and ladder on left side of rear frame as standard (in EEA countries in compliance with applicable EU Directive).
- 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.