

931XC

The **Komatsu 931XC** is a powerhouse offering considerable stability and low ground pressure. With eight wheels, operator comfort is high, ground damage is reduced and manoeuvrability is excellent in steep terrain.



Dimensions (eight-wheeler with 600 mm tyres)

| | |
|---|----------|
| A. Width | 2,776 mm |
| B. Length, total | 8,015 mm |
| C. Length, front axle to middle joint | 1,930 mm |
| D. Length, middle joint to rear axle | 2,150 mm |
| E. Transport height, with tire compression | 3,945 mm |
| F. Ground clearance | 705 mm |

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

Weight

Curb weight: from 21,900 kg

Engine

| | |
|----------------|---|
| Engine type: | AGCO POWER, 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). |
| 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 1,950 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. 480 l |

Power transmission

| | |
|---------------------|--|
| Differential locks: | Hydrostatic-mechanical, controlled via MaxiXT. Transfer gearbox with 2 positions. Disengageable front-wheel drive. |
| Driving speed: | Front and rear axle. Mechanical electro-hydraulic control. |
| Tractive force: | 0 - approx. 20 km/h |
| | 200 kN |

Hydraulic system

| | |
|---------------------|---|
| Flow: | Working hydraulics have dual-circuit load-sensing system with variable piston pumps. |
| System pressure: | 528 l/min. at 1,600 rpm |
| Hydraulic oil tank: | 280 bar |
| Other: | approx. 220 l |
| | 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: | Suspended geared bogie type "hi clearance" with portal axles housed in the rims. 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

| | |
|------------------------|-----------------------------------|
| Reach: | 230H |
| Lifting torque, gross: | 8,7/10/11 m |
| Slewing torque, gross: | 230 kNm |
| Head: | 54 kNm |
| | S92/C93/C124/S132/V132E/C144/370E |

Steering

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

931XC

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 |
| Alternator: | 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° |
| Available options: | Autolev – fully-automatic cab and crane levelling. Crane damping. Cab suspension. Slewing damper. |

Cab

| | |
|-------------------------|---|
| | Tested in accordance with ISO standard. 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. |
| Other: | Manual tilt. Windscreen wipers and washers on windscreen. |
| Ex. of other equipment: | <ul style="list-style-type: none"> • Swivel seat • Smart radio/DAB radio • MediaZone • Electrically-controlled platform under cab |

MaxiXT control and information system

- Fully integrated machine control system, CAN-based with head, crane, engine and transmission intelligence 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 kW incl. timer and hydraulic oil heater.
- Stump treatment equipment.
- Environmentally friendly 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.

