

# 895

The **Komatsu 895** is designed to forward productively. Every component has been developed for a load capacity of 20 metric tons. No other forwarder matches this performance. It's as simple as that.

## Dimensions (eight-wheeler with shortest rear frame option and 780 mm tires)



<b>A. Width</b>	3,160 mm
<b>B. Length, total</b>	10,790 mm
<b>C. Length, front axle to middle joint</b>	2,000 mm
<b>D. Length, middle joint to rear axle</b>	3,900 mm
<b>E. Transport height, hoses included and with tire compression</b>	4,050 mm
<b>F. Ground clearance, at steering coupling</b>	790 mm

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

## Weight

Weight from: 6WD: 20,400 kg, 8WD: 23,600 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

Engine displacement: 7.4 l

Power, max.: Stage V and Tier 4F: 214 kW DIN at 1,850 rpm, MAR-1: 193 kW DIN at 1,900 rpm, Stage II: 210 kW DIN at 1,850 rpm

Torque: Stage V, Tier 4F and Stage II: 1,280 Nm at 1,500 rpm, MAR-1: 1,000 Nm at 1,500 rpm

Fuel tank: 220 l

AdBlue® tank: 22 litres

Hydraulic oil tank: 150 l

Other: Pressure filter for hydrostatic circuit. Dual return oil filters for hydrostatic and working hydraulics. Hydraulic oil level warning. Sight glass level check. Clogging indication for return oil filter. Visual alarm in cab.

## Transmission

Computer-controlled, hydrostatic mechanical transmission. 6/8-wheel drive. Transfer case with 2 positions (high and low). Disengageable drive operation. Differential locks front and rear.

Driving speed: 0–approx. 23 km/h

Tractive force: 262 kN

Ex. of other equipment: SpeedShift, over-revving protection

## Brake system

Fully hydraulic multi-disc brakes. Hydraulic accumulator charging valve.

Driving brakes/ Working brake: Multi-disc brakes in oil bath. Automatically engaged when working.

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

Braking performance: Conforms to ISO 11169 and VVFS 2003:17.

## Frame/axles

Several rear frame options. Frame with smooth V-shaped bottom made of high-strength steel. Sturdy balanced portal bogie. Damping bogie stops. Towing points front and rear.

Ex. of other equipment: Front blade. Stabiliser. Towing point, rear.

## Cab/Ergonomics

Tested in accordance with applicable ISO standard. Spacious and bright with very good visibility. Thermal and acoustic insulation.

Seat: Several alternative seat options. Ergonomically designed with headrest, armrests, joystick panels and waist safety belt. Depending on seat selection, different capabilities are available for individual adjustment of the seat cushion, backrest and lumbar support. Seat column with 0–180-degree working range.

Windows: Polycarbonate windows throughout.

Heating/ventilation: Fully automatic heating and cooling unit, ACC. Filtered intake air.

Noise level: In compliance with ISO standard

Vibrations: In compliance with ISO standard

Other: Windscreen wipers and washers on windscreen and rear window. Fire extinguisher, 2 kg (standard in EEA countries in compliance with applicable EU Directive).

Ex. of other equipment:

- Komatsu Comfort Ride (cab suspension)
- Radio with Bluetooth and hands-free support
- Seat column with 220° working range
- MediaZone

## Hydraulic system

Single-circuit load-sensing system with variable piston pump.

Flow: 0–360 l/min at 2,000 rpm.

Working pressure, max.: 24.5 MPa (245 bar)

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## Bunk

Gross load:	20,000 kg
Bunk area:	5.2–7.2 m <sup>2</sup> depending on options and market.
Load bunks:	Mounted on runners, movable.
Load gate:	Komatsu FlexGate; hydraulic, flexible, full-height gate in fixed or hydraulically manoeuvrable configuration.
Ex. of other equipment:	Bunk widening, hydraulic height-adjustable stakes, coupled first load bunk with gate, separating supports, LoadFlex.

## Crane and grapple

Crane:	Komatsu 165F
Reach:	7.5/8.5/10 m
Lifting torque, gross:	165 kNm
Slewing torque, gross:	43.4 kNm
Rotator:	G121/G141/G171 ProTec 2
Grapple:	Komatsu G36
Crane tip:	ProTec (standard)
Ex. of other equipment:	165F Combi (combi crane with 10 m reach), SmartFlow

## Steering

	Hydraulic articulated steering with two dual-acting hydraulic cylinders.
Lever steering:	Load-sensing (LS) proportional steering with steering rocker.
Electric steering:	Finger-controlled miniature steering wheel on right armrest.
Steering angle:	±42°

## Electrical system

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

## Lights

Working lights:	10 lights on cab and 2 lights on crane (halogen)
Driving lights:	2 front lights (halogen)
Service lighting:	LED lights in service compartments
Ex. of other equipment:	Working lights (LED), variations of extra working lights (LED), driving lights on rear bunk and separate mount by tow bar (LED). Driving lights, front (LED)

## 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
- Production follow-up system for forwarders. Registers timber deliveries (assortments) and roadside wood pile locations. Delivery selection using hand controller buttons.
- Optional ProTec Scale crane scale system. Automatic and highly accurate weighing. Compact scale link with hose routing through the link.
- 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 fire extinguishers. 2 x 6 kg ABE-3. Dry powder fire extinguishers.
- Diesel heater. 9.1 kW with timer. Hydraulic oil heater.
- Biodegradable hydraulic oil.
- Extra water separator (diesel).
- Tracks, chains.
- Tool box with tools (heated in engine compartment).
- Central lubrication.
- Reversing camera, rear (standard in EEA countries in compliance with applicable EU Directive).
- Reversing camera, front.
- Vacuum pump.
- Wear guard and chain guard for bogie casings.
- Service ladder at hydraulic tank (standard in EEA countries in compliance with applicable EU Directive).
- Front guard.
- Remote control for central locking (Europe only).

## Notes

Standard and extra equipment are market-dependent and vary between countries. This product brochure describes functions that are in some cases optional. Check with your dealer as to what is standard or optional. Weights are based on the equipment specified in the basic specification. Specifications and designs are subject to alteration without prior notice.