

# 845

The **Komatsu 845** is built to deliver the highest possible productivity in thinning and lighter final logging. This is an agile forwarder with low ground pressure and superb operator comfort.

## Dimensions (eight-wheeler with shortest rear frame option and 600 mm tyres)



<b>A. Width</b>	2,620 mm
<b>B. Length, total</b>	9,380 mm
<b>C. Length, front axle to articulated joint</b>	1,850 mm
<b>D. Length, articulated joint to rear axle</b>	2,900 mm
<b>E. Transport height, with hoses and tyre compression</b>	3,880 mm (3,840 mm, 105F with crane tilt)
<b>F. Ground clearance, at steering coupling</b>	660 mm

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

### Weight

Weight from: 16,890 kg

### Engine

AGCO POWER, 4-cylinder diesel engine with turbo and intercooler. EU Stage V (Europe) and EPA Tier 4F (North America).

Engine displacement: 4.9 litres

Power, max.: 140 kW DIN at 1,900 rpm

Torque: 800 Nm at 1,500 rpm

Fuel tank: 145 l

AdBlue® tank: 14 litres (when refuelling)

Ex. of other equipment: Water separator. Fuel filter. Throttle, electrical via CAN. Thermostat-controlled fan (electric). Electrical refuelling.

### Transmission

Computer-controlled, hydrostatic mechanical transmission. Direction of travel and driving speed are controlled via a keypad on the armrest as well as foot-operated forward/reverse controls in the working position. Transfer gearbox with 2 positions (high and low). Disengageable drive operation.

Driving speed: 0–approx. 25 km/h

Tractive force: 170 kN

Ex. of other equipment: SpeedShift

### Frame/Axles

Several rear frame options. Frame with smooth V-shaped bottom made of high-strength steel.

Front and rear axles: Geared bogie "hi clearance" type with portal axles housed in the rims. Differential with mechanical differential lock. Internal multi-disc wet brakes. Damping bogie stops.

Ex. of other equipment: Front blade. Stabiliser. Towing points front and rear. Bogie lift.

### Hydraulic system

Single-circuit load-sensing with variable piston pump.

Flow: 280 l/min at 2,000 rpm

Hydraulic oil tank: 128 l

Working pressure, max.: 105F: 24.5 MPa 130F: 26 MPa

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

### Brake system

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

Driving brake/ 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.

### 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 options are available for individual adjustment of the seat cushion, backrest and lumbar support. Seat column with 0–180° 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 front and rear windows. Fire extinguisher, 2 kg (standard in EEA countries in compliance with applicable EU Directive).

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Ex. of other equipment:	<ul style="list-style-type: none"> <li>• Komatsu Comfort Ride (cab suspension)</li> <li>• Radio with Bluetooth and hands-free support</li> <li>• Seat column with 220° working range</li> <li>• MediaZone</li> </ul>
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## Load area

Gross load:	12,000 kg
Bunk area:	3.5–4.8 m <sup>2</sup>
Load bunks:	Mounted on runners, movable. FlexBunk, widening kit compatible (optional).
Load gate:	Komatsu FlexGate; hydraulic, flexible, full-height gate in fixed or hydraulically manoeuvrable version.
Ex. of other equipment:	Bunk-widening kit. Hydraulic height-adjustable stakes.

## Crane and grapple

Crane:	105F	130F
Reach:	7.7/9.5/10 m	8/10 m
Lifting torque, gross:	103 kNm	127 kNm
Slewing torque, gross:	28.7 kNm	28.7 kNm
Rotator:	G121 and slew dampened link MPB	
Grapple:	Komatsu G28	
Crane tip:	ProTec (standard)	
Ex. of other equipment:	Alternative models of grapples and rotators. Crane tilt.	

## Steering

	Hydraulic articulated steering with dual double-acting hydraulic cylinders.
Joystick steering:	Load-sensing (LS) proportional steering with steering rocker.
Steering angle:	±43°
Electric steering:	Finger-controlled mini steering wheel on right armrest.

## Electrical system

Voltage:	24 V
Battery capacity:	2 x 140 Ah
Alternator:	2 x 100 A

## Lighting

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. Semi-automatic water-based fire extinguishing. Conforms to SBF 127.
- Handheld fire extinguisher (powder). 2 x 6 kg ABE-3. Cab fire extinguisher (powder), 2 kg (CE).
- Diesel heater. 9.1 kW incl. timer (engine, cab, hydraulic oil).
- Environmentally friendly hydraulic oil.
- Tracks, chains.
- Extra storage boxes for hydraulic hosing on sides of rear frame.
- Toolbox 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.

