

835

The Komatsu 835 is the world's absolute best when it comes to environmental benefits, low weight, manoeuvrability and power for thinning forwarders in its class, 11 tons. A true specialist in other words, that provides both contractors as well as machine operators and landowners with unique advantages.

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



A. Width	2,620 mm
B. Length, total	9,306 mm
C. Length, front axle to middle joint	1,850 mm
D. Length, middle joint to rear axle	2,897 mm
E. Transport height, hoses included and with tire compression	3,780 mm
F. Ground clearance, at steering coupling	603 mm

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

Weight

Weight from: 15,850 kg

Engine

AGCO POWER 49 AWF-4V, 4-cylinder diesel engine with turbo and intercooler. EPA Tier 4 Final and EU Stage 4.

Stroke volume: 4.9 l
 Power, max.: 127 kW DIN at 1,900 RPM
 Torque: 750 Nm at 1,200–1,500 RPM
 Fuel tank: 120 l
 AdBlue® tank: 15.5 l
 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 controlled via keypads on the armrests and foot-operated forward/reverse controls in the working position. Transfer gearbox with 2 positions (high and low). Disengageable drive operation.

Driving speed: 0–20 km/h
 Traction force: 159 kN

Frame/axles

Two rear frame alternatives. Rear frame with smooth V-shaped bottom made of high-strength steel.

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

Ex. of other equipment: Front blade. Stabiliser. Towing points front and rear. Bogie lift. Comfort bogie. Extra sealing on articulated frame.

Hydraulic system

Flow: 280 l/min at 2,000 RPM
 Hydraulic oil tank: 127 l
 Miscellaneous: Single-circuit load-sensing system with variable piston pump. Dual return oil filters for hydrostat and working hydraulics. Hydraulic oil level warning. Sight glass level control. Contamination indication for return oil filter. Visual alarm in cab.

Brake system

Driving brakes/Working brakes: Fully hydraulic multi-disc brakes. Hydraulic accumulator charging valve. 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

Seat: Tested in accordance with applicable ISO standard. Spacious and bright with very good visibility. Thermal and acoustic insulation. 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.
 Windshields: Polycarbonate side windows and rear window. Alternative cab with polycarbonate windows throughout.
 Heating/ventilation: Fully automatic heating and cooling unit ACC. Filtered intake air.
 Noise level: As per ISO standard
 Vibrations: As per ISO standard
 Miscellaneous: Windscreen wipers and washer on front and rear windows. Driving/acceleration pedal, electric via CAN, in transport position and crane position. Inside rear view mirror.

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Ex. of other equipment:	• Komatsu Comfort Ride (cab suspension) • Radio with Bluetooth and hands-free support • Seat column with 220° working range • Hand-held fire extinguishers
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Load area

Gross load:	11,000 kg
Load area:	3.8–4.3 m ²
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:	Komatsu FlexBunks; hydraulic vertically adjustable stakes.

Crane and grapple

Crane:	Komatsu 105 F
Range:	7.7/9.5/10 m
Lifting torque, gross:	103 kNm
Slewing torque, gross:	28.7 kNm
Rotator:	G121 and slew damper 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 two dual-acting hydraulic cylinders.
Lever steering:	Load-sensing (LS) proportional steering with steering rocker.
Steering angle:	+/- 43°
Ex. of other equipment:	Wheel steering, load-sensing (LS) proportional servo.

Electrical system

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

Work lighting

	Over 30 lux in work area. Halogen.
Ex. of other equipment:	Work lighting, cab/crane (LED). Articulation lighting (LED/halogen). Extra work lighting, back, mounted on cab (LED). Extra work lighting, back, mounted on bunk (LED/halogen). Road lighting.

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.
- 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 hose on sides of rear frame.
- Tool box with tools (heated in engine compartment).
- Central lubrication.
- Reversing camera, rear (standard in EEA countries in compliance with applicable EU Directive).
- Backing camera, front.
- Vacuum pump.
- Wear protection and chain guard for bogie casings.
- Service ladder at hydraulic tank (standard in EEA countries in compliance with applicable EU Directive).

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.