

835TX

The Komatsu 835TX, with its mobility and power, is ideal for thinning. This is a forwarder with low weight, high ground clearance and a fuel-efficient engine, all of which help to reduce environmental impact.

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



A. Width	2,620 mm
B. Length, total	9,380 mm
C. Length, front axle to articulated joint	1,900 mm (2,150 mm with tracking frame)
D. Length, articulated joint to rear axle	2,900 mm (2,650 mm with tracking frame)
E. Transport height, with hoses and tyre compression	3,840 mm (3,800 mm, 105F with crane tilt)
F. Ground clearance, at steering coupling	610 mm

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

Weight

Weight, from: 16,090 kg

Engine

AGCO POWER 4.9 l. 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.:	127 kW DIN at 1,800 rpm
Torque:	750 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:	163 kN
Ex. of other equipment:	SpeedShift (not on forwarders equipped with tracking frame)

Frame/Axles

Four rear frame options. Rear 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:	Tracking frame. Front blade. Stabiliser. Towing points front and rear. Bogie lift. Comfort bogie. Extra sealing on articulated frame.

Hydraulic system

	Single-circuit load-sensing with variable piston pump.
Flow:	280 l/min at 2,000 rpm
Hydraulic oil tank:	128 l
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. Acceleration pedal, electric via CAN, in transport mode and crane mode. Inside rear-view mirror.

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

Gross load:	11,000 kg
Bunk area:	3.3–4.4 m ²
Load bunks:	Mounted on runners, movable.
Load gate:	Komatsu Thinning Gate (machine with tracking frame). Komatsu FlexGate (hydraulically flexible full-height gate, fixed or hydraulically adjustable design).

Ex. of other equipment:	Komatsu Thinning Bunks.
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Crane and grapple

Crane:	Komatsu 105 F
Reach:	7.7/9.5/10 m
Lifting torque, gross:	103 kNm
Slewing torque, gross:	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).
- Biodegradable 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 guards and chain guards 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.

