

855

The **Komatsu 855** makes it easy to deliver. With its power, nimbleness and smart solutions, the Komatsu 855 is a forwarder that offers you long-term productivity in all situations.

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



A. Width	2,730 mm
B. Length, total	130F: 10,080 mm, 145F: 10,260 mm
C. Length, front axle to middle joint	1,800 mm
D. Length, middle joint to rear axle	130F: 3,300 mm, 145F: 3,480 mm
E. Transport height, hoses included and with tire compression	130F: 3,880 mm, 145F: 3,930 mm
F. Ground clearance, at steering coupling	710 mm

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

Weight

Weight from: 6WD: 16 500 kg, 8WD: 18 100 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) and Stage II (other countries).
Engine type:	Stage V: 66 LFTN-D5, Tier 4F: 66 LFTN-D4, Stage II: 66 LFEN-A2
Engine displacement:	6.6 l
Power, max.:	Stage V and Tier 4F: 170 kW DIN at 1,900 rpm, Stage II: 165 kW DIN at 1,900 rpm
Torque:	Stage V, Tier 4F and Stage II: 950 Nm at 1,500 rpm
Fuel tank:	160 l
AdBlue® tank:	35 l

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. 25 km/h
Traction force:	187 kN
Ex. of other equipment:	SpeedShift, over-revving protection.

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, bogie lift, extra sealing on articulated frame.

Hydraulic system

	Single-circuit load-sensing system with variable piston pump.
Flow:	280 l/min at 2,000 rpm
Hydraulic oil tank:	120 l
Other:	Pressure filter for hydrostatic circuit. Dual return oil filters for hydrostatic and working hydraulics. Hydraulic oil level warning.

Brake system

	Fully hydraulic multi-disc brakes. Hydraulic accumulator charging valve.
Driving brakes/Working brake:	Multi-disc brakes in oil bath. Automatically/manually 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, 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. 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 windscreen and rear window. Fire extinguisher, 2 kg (standard in EEA countries in compliance with applicable EU Directive).

855

- Ex. of other equipment:
- Komatsu Comfort Ride (cab suspension)
 - Radio with Bluetooth and hands-free support
 - Seat column with 220° working range
 - MediaZone

Bunk

Gross load:	14,000 kg
Bunk area:	4.4-5.9 m ² 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 version.

- Ex. of other equipment:
- Bunk widening, hydraulic height-adjustable stakes coupled to first load bunk with gate and separating supports.

Crane and grapple

Crane:	130F	145F
Reach:	8/10 m	8.5/10 m
Lifting torque, gross:	127 kNm	145 kNm
Slewing torque, gross:	28.7 kNm	38 kNm
Rotator:	G121/G141 ProTec and slew dampened link.	
Grapple:	Komatsu G28	
Crane tip:	ProTec	
Ex. of other equipment:	Alternative grapple models. Crane tilt. ProTec Scale, crane scale, SmartFlow.	

Steering

	Hydraulic articulated joint 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
Generator:	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 intelligence in the 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. 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 kW with timer. Hydraulic oil heater.
- Biodegradable hydraulic oil.
- Tracks, chains.
- Extra water separator (diesel).
- 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 optional 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.