

KOMATSU

895-3 forwarder



Photo may include optional equipment

Gross load capacity

44,092 lbs. (20,000 kg)

Horsepower

287 HP (214 kW DIN) @ 1,850 rpm

Tractive force

58,900 lbs. (262 kN)

Specifications

Engine

6-cylinder diesel engine with turbo and intercooler*	
Type	74 LFTN-D4
Engine displacement	2 gal (7.4 l)
Power (max.)	287 HP (214 kW DIN) @ 1,850 rpm
Torque	1,280 Nm at 1,500 rpm
Fuel tank	64.7 gal (245 l)
AdBlue® tank	5.7 gal (21.5 l, filled volume)

* U.S. EPA Tier 4 Final emission certified.

Hydraulics

Single-circuit load-sensing with variable piston pump	
Flow	108 gal/min (409 l/min) @ 1,950 rpm
Working pressure (max.)	245/265 bar
Hydraulic oil tank	39 gal (150 l)
Other	Pressure filter for hydrostatic circuit. Combined return oil filters for hydrostat and working hydraulics. Hydraulic oil level alarm. Sight glass level check. Clogging indicator 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

Transmission

Computer-controlled hydrostatic mechanical transmission. 8-wheel drive. Transfer gearbox with two positions (high and low). Disengageable rear drive. Differential locks front and rear.	
Driving speed	14 mph (23 km/h)
Tractive force	58,900 lbs. (262 kN)

Frames/axles

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

Steering

Hydraulic articulated steering with dual double-acting hydraulic cylinders	
Joystick steering	Load-sensing (LS) proportional steering with steering rocker switch
Electric steering	Finger-controlled mini steering wheel on right armrest
Steering angle	±42°

Electrical system

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

Lighting

Working lights	10 lights on cab and 2 lights on crane (halogen)
Driving lights	2 front lamps (halogen)
Service lighting	LED lights in service compartments

Operating weight (approximate)

8WD	54,741 lbs.	24,830 kg
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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. Ergonomic design with headrest, armrests, joystick keypads and lap 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	As per ISO standard
Vibrations	As per ISO standard
Other	Windscreen wipers and washers on windscreen and rear window. Fire extinguisher, 4.4 lbs. (2 kg) (standard in EEA countries in compliance with applicable EU Directive).

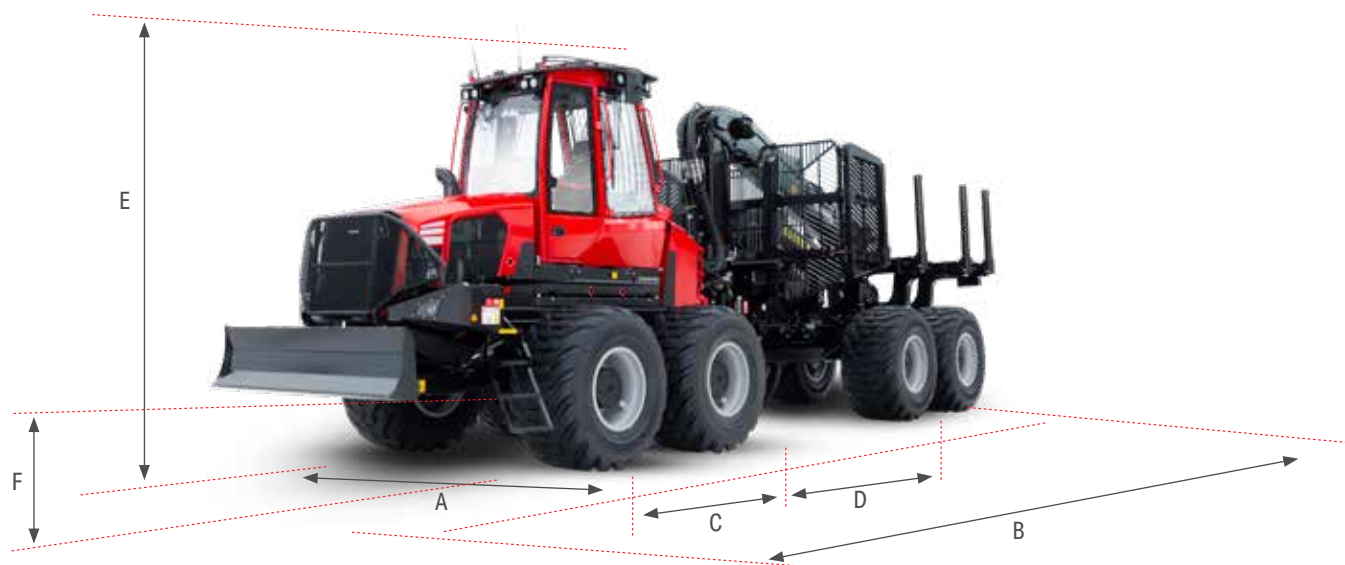
Load area

Gross load	44,092 lbs. (20,000 kg)
Load area	63.5-79.7 ft² (5.9-7.4 m²), depending on options and market
Load bunks	Mounted on runners, movable
Load gate	Komatsu FlexGate, hydraulically flexible full-height gate, fixed

Crane and grapple

	Komatsu 165F	Komatsu 205F
Crane		
Reach	24.6/27.9/32.8 ft (7.5/8.5/10 m)	24.6/27.9/32.8 ft (7.5/8.5/10 m)
Lighting torque (gross)	121,699 lbf-ft (165 kNm)	151,200 lbf-ft (205 kNm)
Slewing torque (gross)	32,084 lbf-ft (43.4 kNm)	38,280 lbf-ft (51.9 kNm)
Rotator	G181	GX
Grapple	G84H/G85H/G86H/G87H	G86H/G87H/G88H
Crane tip	ProTec	ProTec

Dimensions



Machine dimensions

A	Width	10' 4" (3,160 mm)
B	Overall length	36' 1" (11,000 mm)
C	Length (front axle to articulated joint)	7' 1" (2,150 mm)
D	Length (articulated joint to rear axle)	12' 10" (3,900 mm)
E	Transport height (with hoses and tire compression)	13' 4" (4,050 mm)
F	Ground clearance (at steering coupling)	2' 7" (790 mm)

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

Equipment

Engine and related components

Engine, AGCO Power 74 LFTN-D4, EPA Tier 4 Final 287 net HP (214 kW DIN) @ 1,850 RPM	•
After-cooled, turbocharged direct injection	•
Air cleaner, double element	•
Pump, 24V electric fuel fill	○

Electrical system

Alternator, 2 x 100 ampere, 24V	•
Batteries, 2 x 12V, 180 Ah; heated by the diesel heater	•
Emergency start battery cable kit	•
14-LED working lights (2-cab front, 4-cab right, 4-cab left, 2-boom, 2-rear frame)	•

Drivetrain

Hydrostatic-mechanical low/high range transmission with hydraulic retarder overspeed protection	•
XT transmission	○
Front/rear axle, comfort bogie with differential lock	•
Bogie protection plates	•
Internal multi-disc wet brakes	•
Hydraulic frame oscillation lock cylinders	•
± 42° articulation steering angle, electrical steering cylinder end damping	•

Hydraulic system

Load sensing hydraulic system, 95.1 gpm (360 ltr/min) pump flow	•
High pressure filter for hydrostatic travel circuit	•
Low hydraulic oil warning	•
24V electric hydraulic tank oil fill pump	•
24V hydraulic system vacuum pump	•
Shell Tellus S2 VX46 hydraulic oil	•
Thermostatically controlled hydraulic oil cooling	•
Smart Crane	○
Smart Flow	○

Rotator

G181 rotator	•
GX rotator	○

Grapples

Komatsu G84HD grapple	○
Komatsu G85 HD grapple	○

Rear frame and bunks

Long frame, 18' 3" (5,550 mm) headboard to center of rear bunk	•
Carrier - Long wood with 4 FlexBunks with 2-position	•
FlexGate fixed headboard with 14" (350 mm) wideners on each side	•

Tires

780/50-28.5 Nokian Forest King F2	∞
780/50-28.5 Nokian TRS2	∞
Spare - 780/50-28.5 Nokian Forest King F2	○
Spare - 780/50-28.5 Nokian TRS2	○

Standard equipment	•
Optional equipment	•○

Operator environment

Cab, ROPS (ISO8082), FOPS (ISO8083), OPS (ISO8084), WCB (G603)	•
Mini-levers advanced control handles	•
Steering control on left/right controls	•
Automatic climate control with heating, air conditioning and filtered air intake	•
AM/FM radio/CD, MP3 player interface, aux/USB connection, Bluetooth®	•
Front/rear window wipers and washers	•
Fully adjustable Be-Ge 3000 high back air suspension seat, air vented	•
Fully adjustable Be-Ge 3000 high back air suspension seat, air vented - leather upholstered	○
Turnable operator seat - 180° rotation	•
Turnable operator seat - 220° rotation	○
Seat belt, retractable	•
Sun blinds, drink cup holder, coat hook	•
4 cab ceiling-mounted interior LED lights	•
Heating and cooling boxes for food/beverages	•
Sidewiper	○
Side/rear emergency escape	•
Front and rear view video camera	○

Crane

165F crane with 24' 6" (7.5 m) reach	•
165F crane with 27' 9" (8.5 m) reach	○
205F crane with 24' 6" (7.5 m) reach	○
205F crane with 27' 9" (8.5 m) reach	○
205F crane with 32' 10" (10 m) reach	○
Komatsu ProTec grapples hose protection system	•

Control system

MaxiXT Microsoft Windows-based graphic user interface with integrated vehicle and control system	•
Maxi PC X40, Microsoft Windows operating system, 8GB RAM, 128 GB solid state drive, wired keyboard with track ball	•
12" color screen	•
Additional 12" computer screen	○
MaxiPC X40 computer touchscreen	○
GPS receiver	•

Other equipment

Heater, fuel fired jacket water and hydraulic oil preheater 9.1 kW capacity (also heats the 2 x 12V batteries)	•
Electric cab tilt for service with under cab service lights	•
Bogie protection plates	•
Steps and service ladders	•
Automatic central lubrication system	○
Engine hood guard with brush sweep cables	•
Towing hooks	•
O-ring kit for hydraulic hoses	•
Tool box and tools	•
Fire extinguishers, 2 x 13.2 lbs. (6 kg), hand held	•
Back-up (reverse) alarm signal	•
Documentation in memory stick and paper formats	•
Marks and plates, English	•
Marks and plates, French	○
Comfort ride	○
Front frame prepared for dozer blade	○
Dozer blade (Factory install)	○
Dozer blade (Field install)	○

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