

KOMATSU®

840TX

Extremely effective and gentle

Forestry Quality™

840

FORWARDER



Thinning forwarder with optimal maneuverability and load capacity

840TX



The completely new Komatsu 840TX thinning forwarder is engineered to combine supreme maneuverability with a large load capacity. It represents the very latest forwarder technology resulting from decades of continuous product and manufacturing process improvements.

Nimble

Shorter overall length with improved approach angle and tighter steering radius make this an exceptionally maneuverable forwarder with minimal environmental impact.

Fuel economy

A new 129 kW (177 hp) 4-cylinder engine delivers smooth performance, high torque and exceptional fuel economy.

Tracking characteristics

New rear frame design offers greater payload. Rear bogie position provides precise wheel tracking.



Crane geometry

New loader geometry provides greater loading performance and enhanced reliability.

Ground pressure

Reduced ground pressure resulting from lower total vehicle weight (14.8 tons) and new frame design now capable of using bogie tracks up to 1 m (39") wide.

A SMALL THINNING FORWARDER WITH BIG FORWARDER ATTITUDE



Information system

MaxiForwarder, the powerful and user-friendly information system, gives you full control of everything from machine operation to status and production reports.

The Komatsu 840TX boasts a new compact, highly maneuverable forwarder design that is easier on the environment, yet has the strength and payload required for high production thinning. The 840TX gives you the added value you need for demanding thinning jobs.

The more dense and difficult the forest becomes, the more Komatsu's new 840TX design advantages stand out. The incredible maneuverability becomes apparent in several ways.



Our new bogie concept is optimally positioned to provide a smooth ride with excellent maneuverability on steep slopes and soft/wet terrain.



Superb ergonomics, high productivity, and reliable operation make every shift easy and enjoyable.

840TX



new frame design is 60 cm (2') shorter than its predecessor making it much easier to maneuver. The front axle-to-nose distance, shortened by 25 cm (10") and its 30 cm (12") shorter rear frame-to-articulation joint makes tighter turning a breeze. Minimal stand damage in dense forests, easier driving through ditches and tires that track in the same path make this a very fast and productive forwarder.

If that is not enough, with a low

machine weight, the 840TX treads softly on sensitive ground.

Big forwarder productivity comes from its impressive 12 mt (13.2 ton) load capacity and 155 kN (34,845 lbf) of tractive effort. It's new fuel efficient 129kW (177hp) 4-cylinder engine offers impressive power for fast loader cycles and improved vehicle performance

Whether saving fuel on a light job, or maximizing production on the tough

jobs, the Komatsu 840TXs operator environment further boosts productivity. It features a spacious, climate controlled cab with excellent visibility and well placed controls keeping the operator comfortable and productive. In addition, Komatsu's superb loader geometry builds loads faster and easier.

If you want the optimal thinning forwarder, built on a foundation of global expertise and leading technology, the Komatsu 840TX is a very wise choice!



A large spacious cab with picture window visibility and ergonomic control positioning creates a comfortable and productive work environment. Innovative storage organizes supplies and helps keep the cab tidy.



ProTec - Komatsu's unique grapple/loader tip hose protection system extends hydraulic hose life. ProTec reduces costs and downtime while improving operator productivity.

TECHNICAL SPECIFICATIONS

Machine dimensions with the shortest of the four rear frame options.

WHEEL OPTIONS, FRONT AND REAR, AND MACHINE WIDTH (A) WITH DIFFERENT TIRES

	Tire option	Width (mm)		Tire option	Width (mm)
6 WD (front/rear)	710/55x34	2,894/9'6"	8 WD (front/rear)	710/40x24.5	2,886/9'6"
	600/65x34	2,650/8'8"		650/45x24.5	2,760/9'1"
6 WD (bak)	710/40x24.5	2,886/9'6"	NOTE: Stated dimensions are nominal and may vary slightly.		
	650/45x24.5	2,760/9'1"			

WEIGHT

	6 WD	8 WD
Weight from:	13,800 kg (15.2 tons)	14,800 kg (16.3 tons)

ENGINE

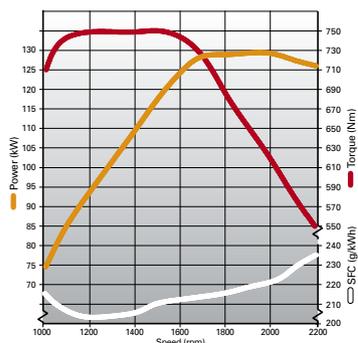
	49 CWA, 4-cylinder turbo with common rail. EPA Tier 3 and EU Stage IIIA compliant.
Stroke volume:	4.9 l (299 cu in)
Power, max.:	129 kW DIN (175 hp) at 2,000 rpm.
Torque:	750 Nm (553 lbf-ft) at 1,500 rpm.
Fuel tank:	160 l (42 gal)

FRAME/AXLES

	Smooth high-tensile steel frame. Sturdy geared bogie. Rear tow point. Permanently lubricated bearings. Wear guard under bogie bearings. Four rear frame options.
Available options:	Bogie lift. Front blade. Dampening bogie stops.

HYDRAULIC SYSTEM

	Single circuit load sensing with variable piston pump.
Flow:	290 l/min (76 gal/min) at 2,000 rpm
Working pressure, max.:	23.5 MPa (235 Bar, 3,410 PSI)
Hydraulic oil tank:	100 l (26.4 gal)
Miscellaneous:	Pressure filter for hydrostatic circuit. Return oil filter for hydrostatic drive and hydraulics. Hydraulic oil level warning.



BRAKE SYSTEM

	Dual circuit, 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

	Safety tested. Spacious and bright with very good visibility. Thermal and acoustic insulation.
Safety:	Conforms to ISO 8082 (ROPS), ISO 8083 (FOPS), and ISO 8084 (OPS). Alternative cab that also conforms to WCB OPS G603.
Seat:	Choice of ergonomically designed seat with headrest for individual adjustment of the seat cushion, back and lumbar support, arm rests, and control panels.
Windshields:	Safety glass in rear side windows and rear windshield.

TRANSMISSION

	Hydrostatic transmission controlled by MaxiForwarder. 8-wheel drive. Disengageable carriage drive. Differential locks front and rear.
Driving speed:	0-23 km/h (0-14.3 mph)
Traction force:	155 kN (34,845 lbf)

840TX

Heating/ventilation:	Fully automatic heating and cooling unit ACC. Filtered intake air.
Noise level:	As per ISO standard.
Vibrations:	As per ISO standard.
Miscellaneous:	Windshield wiper and washer on front and roof windows. Sun blinds. Toolbox with tools.
Available options:	Radio with MP3 player. Air-ventilated seat. Lunchbox heater. Cooler box. Side window wipers. Allergen filter 3 micrometer. Extra floor mats for easier cleaning. Fire extinguisher, 2 kg (4.5 lb).

BUNK AREA

	6 WD	8 WD
Gross load:	12,000 kg (13.2 tons)	12,000 kg (13.2 tons)
Bunk area:	3.2–4.1 m ² (34.4–44.1 sq. ft.), hydraulically adjustable.	
Load bunks:	Mounted on lines, movable.	
Available options:	Alternative gates.	

LOADER AND GRAPPLE

Loader:	CRF 8.1
Reach:	7.8 m (25.6')
Lifting torque, gross:	106.1 kNm (78,255 lbf-ft)
Slewing torque, gross:	28.7 kNm (21,170 lbf-ft)
Rotator:	G121 and slewing dampened link.
Grapple:	Komatsu G28
Available options:	CRF 8.1 C (Combi crane with 9.6 or 10 meter (31' 6" or 32' 10") reach). Komatsu ProTec. Komatsu G36 grapple. Multiplate link.

STEERING

	Hydraulic articulated joint.
Lever steering:	Load sensing (LS) proportional servo steering from loader controls/rocker.
Steering wheel:	Load sensing (LS) proportional servo.
Steering angle:	+/- 42°

ELECTRICAL SYSTEM

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

LIGHTING

	More than 30 lux in work area. Halogen.
Available options:	Xenon lights. Rear work lights (Halogen or Xenon).

CONTROL AND INFORMATION SYSTEM

MaxiForwarder is a CAN-based control system for managing all machine functions via a user-friendly PC interface. The system is used to set and control loader functionality, transmission and diesel engine characteristics, and other machine settings. The system also offers production and machine status reports, troubleshooting, and alarm systems.

PC, standard equipment

	2 alternative computers	
	MaxiPC X20	MaxiPC X
Processor	Intel Atom 1,6 GHz	Intel Pentium 1,4 GHz
RAM	1 GB	1 GB
Hard disk	40 GB	40 GB
Screen	10"	12"
USB ports (incl. display)	7 st	8 st
Serial ports	3 st	2 st
Operating system	Windows XP Pro	Windows XP Pro
Available options for MaxiPC X20	Display 12", slave display 10", DVD, A4 printer, GPS receiver	
Available options for MaxiPC X	DVD, A4 printer, GPS receiver	

AVAILABLE OPTIONS

Sprinkler system. Semi-automatic, water-based fire extinguishing. Conforms to RUS 127.

Hand-held extinguishers. 2 x 6 kg (13 lb) ABE-3. Powder extinguishers.

Printed instruction manual (also electronic in Maxi).

Printed spare parts catalog (also electronic in Maxi).

Diesel heater. 9.1 kW incl. timer. Hydraulic oil heater.

Biodegradable hydraulic oil.

Tracks, chains.

Centralized lubrication.

Rearview camera as standard (in EES countries in compliance with EU Directive 2006/42/EU).

Vacuum pump.

For forwarders without front blade: Platforms for ladders over left front wheel and hydraulic tank as standard (in EES countries in compliance with EU Directive 2006/42/EU).

Belt guard for flat belt as standard (in EES countries in compliance with EU Directive 2006/42/EU).

NOTES

Standard and extra equipment are market-dependent and vary between countries. The specification describes possible equipment, which is either standard or optional. Stated weights are based on standard equipment. Specifications and designs are subject to change without notice.

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WHY A KOMATSU FORWARDER?

High productivity, low operating costs, innovative technology, excellent operator environment – these are just a few examples of the advantages that earn Komatsu forestry machines a place among the best in the world. Behind all this is a highly-focused strategy to continually build upon the advantages of owning a Komatsu forwarder. A strategy based on the following principal ideas.

Ergonomics

Your forwarder is a mobile work environment where the operator's opportunities to perform optimally without tiring are a decisive factor for success. This is an important reference point that has helped us develop the important ergonomic advantages of Komatsu forwarders. Good examples are the stability and the operator environment with its perfect view whether driving or operating the loader.

Economy

The ambition to maximize profitability is one of the most important driving forces in the further development of Komatsu's forwarders. Each small improvement that increases productivity and reliability, reduces costs, or saves time is of interest. Tangible and quantifiable examples from today's Komatsu forwarders include energy-efficient engines, high reliability, and unmatched high productivity per unit of time.

Productivity

More work in less time. This is something we often hear from contractors who switch from competing brands to Komatsu forwarders. And there are many reasons behind this, both large and small. The most important include the high-performance operator environment, superior loader geometry, and great maneuverability and speed.

Customer Support

Fast and competent service has a direct bearing on the performance and economy of any forestry machine. Our extensive service network provides you as a Komatsu owner with a sense of security. Well-trained technicians – Komatsu experts – provide additional assurance. Another benefit is ProSelect, our special line of accessories and consumables. The range is based on a selection of items that are all of the highest quality and designed for both Komatsu and other brands of professional forestry machinery.

Environment

Forests are an essential and fragile element of the global ecology. This is why every new Komatsu product, and all its component parts, is examined with an eye to both the short-term and long-term environmental effects. This has resulted in real environmental improvements such as highly-effective exhaust emission control and low, evenly-distributed ground pressure in Komatsu forwarders. Environmental considerations also permeate our broad range of accessories and consumables, such as our special, rapidly biodegradable oils.

Global Experience

Komatsu forwarders can be found the world over. Consequently, they have been adapted to deliver optimum profitability regardless of working conditions. The same fundamental idea lies behind the global service and dealer network that provides support to thousands of Komatsu owners on a daily basis.

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