

BID SUBMITTAL FORM
Alabama County Joint Bidding Program
BID ITEM – 100 HP HYDROSTATIC BULLDOZER – OPTION D

Company Name: Tractor + Equipment Company

Address: P.O. Box 12326

Birmingham, AL 35212

Bid Submitted by: Shay Holliday
(Name of company representative)

Title: V.P. E-mail address: ShayHolliday@tec1943.com

Phone: 205-999-9923 Fax: _____

By submitting this bid, we agree:

Initials

The equipment model number identified below meets the bid specs for this bid item

S.H.

That the bid price will be honored for all counties for the period from **January 1, 2026** to **June 30, 2026**.

S.H.

The equipment will be delivered at the bid price to all counties participating in the joint bid program

S.H.

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program

S.H.

The bid is accompanied by a current catalog or model specification document for the model number identified below

S.H.

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

S.H.

The bid includes the E-Verify documentation required by Alabama law

S.H.

We comply with, and if awarded the contract, we will comply with, the requirements of Section 41-16-50 and Sections 41-16-160 to -166, Code of Alabama 1975.

S.H.

If awarded the bid, a performance bond will be provided upon request

S.H.

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the **Standard Machine**

S.H.

100 HP HYDROSTATIC BULLDOZER – OPTION D

Total Bid Price for Standard Machine: \$ 198,500
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)*

Freight Preparation and Delivery: \$ 5,400
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 284,561

Equipment Model #: D39PX-24

Description: Komatsu Crawler Dozer

Signature of company representative submitting bid:



Title: B.P.

* NOTE: Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include freight preparation, delivery and standard warranty cost. Freight preparation and delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

PRICE INCLUDES

- 100 MONTH / 4000 HR PREMIER WARRANTY
- 4000 hrs of PM's THRU 60 MONTHS
- KOMTRAX

**BID SUBMITTAL FORM: OPTION COST SHEET
100 HP HYDROSTATIC BULLDOZER – OPTION D**

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine*

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine

SIH

SL

Equipment Model #: D39PX-24

Description: Crawler Dozer

Signature of company representative submitting bid: SS KLL

Title: U.P.

***Note:** The percent difference between the Manufacturer's Suggested Retail Price Sheet (MSRP) for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation and delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

BID SPECIFICATIONS FOR 100 HP HYDROSTATIC BULLDOZER – OPTION D

GENERAL

These specifications shall be construed as the minimum acceptable standards for a 100 hp hydrostatic low ground pressure bulldozer. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturers' equipment. The bulldozers must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.

The use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the county to use at no cost to the county until such time as the parts are delivered to the county so it can affect repairs to its machine.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes No

Page#

or

Attachment

ENGINE

Shall be a turbocharged diesel engine with a displacement of not less than **199 cubic inches**, capable of developing a minimum of **105 net** flywheel horsepower (SAE J1349).

Yes No
Page # 1

Engine shall be manufactured by the equipment manufacturer.

Yes No
Page # 17

WEIGHT

Operating weight with blade, operator, full fuel tank, and ROPS canopy shall not be less than **22,800 lbs.**

Yes No
Page # 1

Minimum Ground Clearance shall be 15 inches

Yes No
Page # 18

ELECTRICAL SYSTEM

Shall be equipped with a minimum **85-amp** alternator.

Yes No
Page # 20

TRANSMISSION

Shall be equipped with a hydrostatic type transmission.

Yes No
Page # 17

STEERING

All steering functions must be able to be performed using one hand only.

Yes No
Page # 11

UNDERCARRIAGE

The tractor shall be equipped with sealed and lubricated tracks. Minimum shoe width shall be **27.5 inches**. Track sag shall be hydraulically adjusted.

Yes No
Page # 17

BLADE

The machine shall be equipped with a six-way (pat) blade with a minimum capacity of **3.14 cubic yards**. And a minimum blade width of **128 inches**.

Yes No
Page # 1

VANDALISM PROTECTION

Machine shall be equipped with all standard and optional factory vandalism protection available for the machine bid.

Yes No
Page # 20

Hydraulics

Minimum pump flow shall be **26 gpm** and minimum system pressure of **3900 psi**.

Yes No
Page # 19

SAFETY EQUIPMENT

Gauges and indicators shall be provided to monitor critical (fuel level, coolant

temperature, powertrain oil temperature, and hydraulic oil temperature) operational systems of the machine and alert the operator when potential problems occur.

Yes No
Page # 8/13

Rear view mirror; backup alarm.

Yes No
Page # 20

Heavy duty hinged radiator guard

Yes No
Page # 20

Crankcase guard

Yes No
Page # 20

Track center guiding guard

Yes No
Page # 20

Pre-cleaner guard

Yes No
Page # 20

Front tow hooks

Yes No
Page # 20

Heavy duty rear drawbar

Yes No
Page # _____

Fire extinguisher

Yes No
Page # _____

Water separator

Yes No
Page # _____

HITCH

YES
DEALER Add

KOMATSU

Scopri i vantaggi della tecnologia PAT

Imprenditori lavorano con i trattori Komatsu per ragioni di produttività, affidabilità e costi.

D39EX/EXi/PX/PXi-24



Crawler dozer

Net horsepower
105 HP @ 2,200 rpm
(77 kW @ 2,200 rpm)

 **intelligent** / 2.0
MACHINE CONTROL

Operating weight
D39EX-24: 21,891 lbs. (9,930 kg)
D39PX-24: 22,817 lbs. (10,350 kg)
D39EXi-24: 22,068 lbs. (10,010 kg)
D39PXi-24: 22,950 lbs. (10,410 kg)

Blade capacity
Power angle tilt (PAT) dozer
D39EX-24: 2.89 yd³ (2.21 m³)
D39PX-24: 3.14 yd³ (2.40 m³)
D39EXi-24: 2.89 yd³ (2.21 m³)
D39PXi-24: 3.14 yd³ (2.40 m³)

D39EX/EXi/PX/PXi-24

Next-generation intelligence

How do you make one of the industry's most capable dozers even better? Make it smart. The slant-nosed, intelligent HST dozer features the latest Intelligent Machine Control (IMC) 2.0 capabilities.

Lift layer control

Engineered to achieve consistent lift layers with automatic control to help you increase your productivity.

Quick surface creation

Creates a temporary design surface with the press of a button.

Proactive dozing control

Cut and carry work performed with the smoothness of an experienced operator. Has the ability to operate automatically 100% of the time.

Tilt steering control

Help reduce the need for constant operator corrections toward the target point.

Two antennas to support multiple global navigation satellite system (GNSS)

Satellite signal stability and reception offer reliability and accuracy.

Factory-installed information and communication technology (ICT) system standard

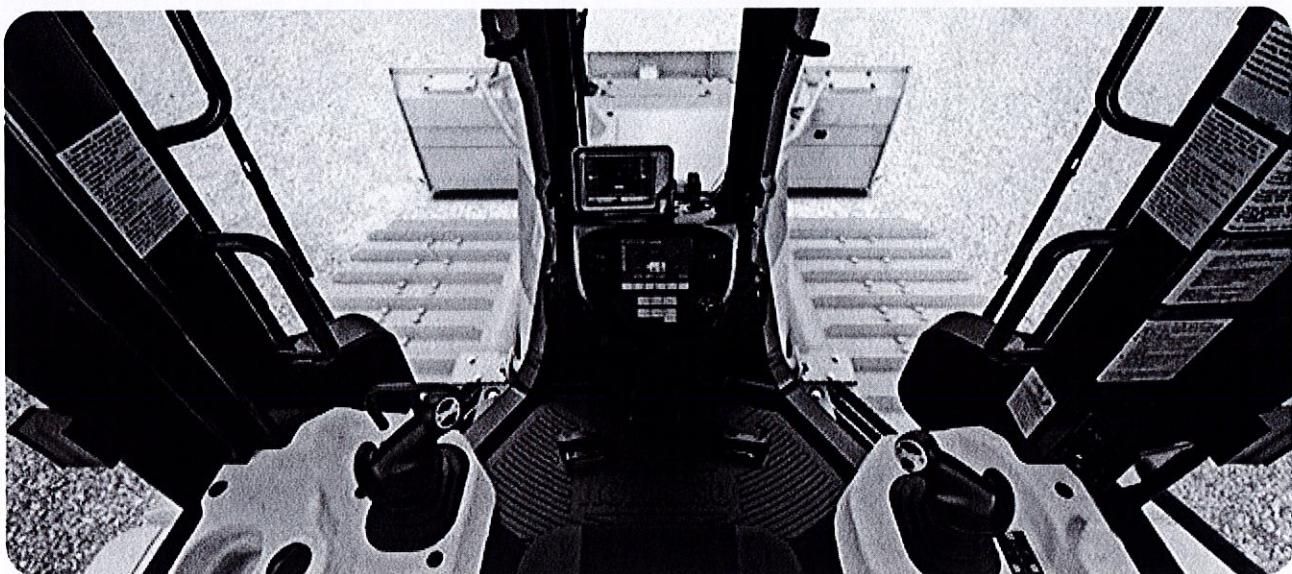


Photo may include optional equipment



Innovative. Integrated. Intelligent.

Standard Intelligent Machine Control 2.0

Standard factory-installed integrated 3D GNSS Intelligent Machine Control system.

Factory-installed machine control components

Machine control components are factory-installed and designed as an integral part of the base machine to promote durability.

Komatsu quality

Machine control components and system are validated to Komatsu's quality and durability standards

Industry standard compatibility

Machine control system makes use of common industry design data file norms and supports typical base station communication.

Simple operator interface

Simple touch screen control box with multicolor customizable display.

3D GNSS machine control (standard)

All on-machine components are standard including control box, GNSS receiver/radio, GNSS antenna and enhanced inertial measuring unit sensor.

Finish grade performance

Advanced sensor package and intelligent logic drive finish-grade accuracy in an integrated system without traditional blade-mounted sensors.

Enhanced Inertial Measuring Unit (IMU+)

Chassis mounted enhanced inertial measuring unit (IMU+) and intelligent logic promotes finish grade accuracy without blade mounted sensors.

Dual cab-top GNSS antennas

Load control intelligence controls blade elevation to help improve productivity and minimize track slip by adjusting blade load. 1.0' from grade or 0.1' from grade — you can run in auto mode.

Intelligent dozing mode settings

Operators can select among four distinct machine control operating modes to drive optimized performance to the application whether cutting, spreading or other.

Operator selectable load settings

Machine control load settings can be adjusted between presets to tailor response to material conditions.

SAA4D95LE-7 variable flow turbocharged and aftercooled 3.26 liter diesel engine

provides excellent fuel economy. This engine is EPA Tier 4 Final emissions certified.

Variable flow turbocharger

uses a simple valve to drive optimum air flow under all speed and load conditions.

Komatsu Diesel Oxidation Catalyst (KDOC) and selective catalytic reduction (SCR) systems help reduce particulate matter and NOx using passive regeneration 100% of the time. No active or manual regeneration is required.

New Komatsu Auto Idle Shutdown helps reduce excessive idle time.

Efficient cooling system:

- Electronically controlled, hydraulically driven fan is manually reversible
- Radiator cover with gas assisted lift cylinders opens easily for cleaning
- Side-by-side coolers made for increased cooling capacity

Integrated ROPS cab features:

- Large, quiet, pressurized cab
- Excellent visibility with integrated ROPS structure
- Heated air-ride seat with high-capacity suspension (standard)
- Standard aux jack and (2) 12V power convertors
- Bluetooth radio and LED worklights

Self-adjusting idler support engineered to provide constant and even idler tension, helping to reduce vibration and increase undercarriage life.

Parallel Link Undercarriage System (PLUS) provides exceptional wear life and helps to control repair and maintenance costs.

New triple labyrinth final drive provides additional protection for the final drive floating seals.

Power angle tilt (PAT) dozer with manually adjustable blade pitch drives increases in productivity in a variety of applications.

Comprehensive operator blade control:

- Palm Command Control System (PCCS)
- Electronic Proportional Control (EPC)
- Adjustable quick shift and variable shift modes
- Blade angle switch
- Three blade control settings
- Multiple-operator memory storage

Efficient hydrostatic transmission with electronic control:

- Customizable quick shift (three speeds) settings for the operator
- Variable speed selection (20 speeds)
- Low speed matching technology (large displacement pumps/efficient engine speed)
- HST control system can help reduce fuel consumption

Intelligent Machine Control (IMC)



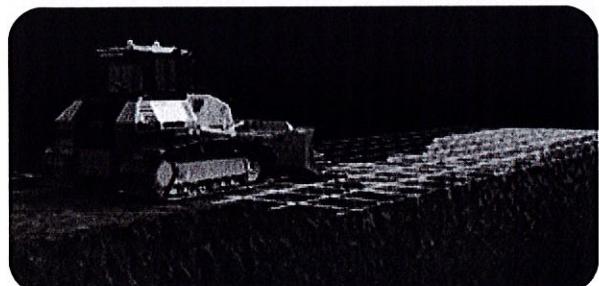
Intelligent Machine Control (IMC) 2.0

D39EX/EXi/PX/PXi-24 utilizes IMC 2.0, a GNSS* system that automatically controls the blade to three-dimensional design data. IMC 2.0 utilizes industry-leading proactive dozing control logic, lift layer control, quick surface creation and tilt steering control. A two-antenna system supports multiple GNSS, which helps reduce downtime and promotes more work time. These added features are designed for enhanced production and efficiency.

*GNSS (global navigation satellite system): General term for satellite positioning systems such as GPS, GLONASS, etc.

Quick surface creation

Operators can create a temporary design surface with the press of a button. Designed to simplify infield surface creation within the control box, it allows for more utilization of IMC 2.0.



Tilt steering control

The blade automatically tilts under a heavy load to maintain a straight line of travel to help optimize productivity throughout each pass while helping to mitigate operator fatigue.



Auto/manual switch

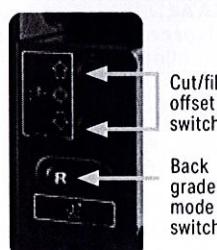
A conveniently located on/off switch giving the operator control of when IMC 2.0 is active.



Function switches

Cut/fill offset switch

The target surface height can be quickly adjusted by pressing the offset switch (button).



Back grade mode switch

Allows for automatic control during back grading.

Lift layer control

Advance earthwork productivity and maintain compaction quality by automatically controlling lifts to the desired heights with respect to the mapped terrain. Excess fill is virtually eliminated as automatic blade control is engineered to follow finish surface once lifts have reached finish grade.

Proactive dozing control

Operators can utilize automatic blade control from rough grading to finish grading work. Proactive dozing control understands the terrain in the path of each cut, working to maximize the blade load throughout the pass, regardless of the terrain ahead and achieves productivity similar to that of an experienced operator.

Two antennas supporting multiple GNSS

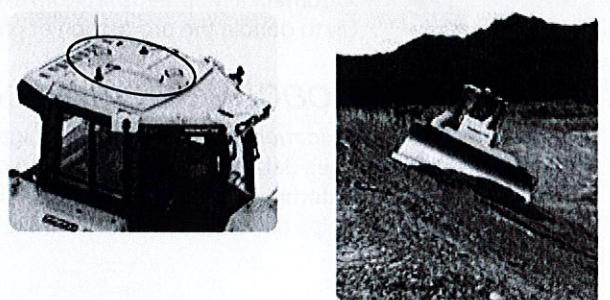
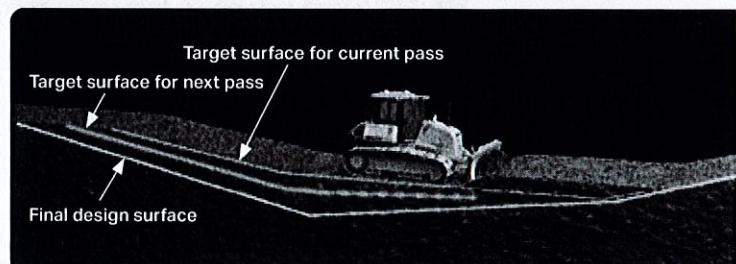
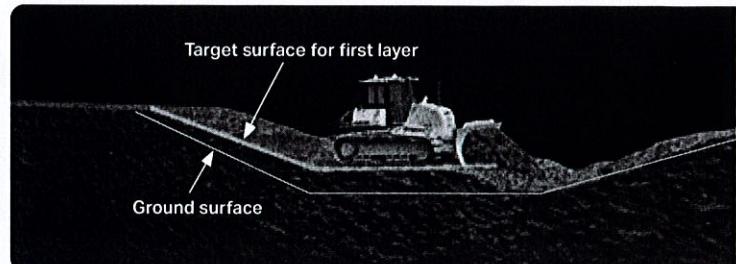
Work accuracy is advanced by two antennas supporting the multiple GNSS.

Improvement of blade accuracy on slope

Blade accuracy is maintained during slope work.

Reliability of blade accuracy

Galileo, QZSS and BeiDou can be used in addition to GPS and GLONASS. The enhanced satellite capture rate allows the machine to be used in any time zone.



Control box

- ① LH LED indicator ② Upper LED indicator
- ③ RH LED indicator
- ④ Power ON/OFF and menu switch (Press: Display the main menu / Hold down: Turn ON/OFF the power supply)
- ⑤ Zoom in switch ⑥ Zoom out switch
- ⑦ Toggle main view switch (Press: Switch the display of main window / Hold down: Adjust the brightness and sound volume)
- ⑧ Left window ⑨ Main window ⑩ Lower window
- ⑪ Right window ⑫ Speed control ON/OFF
- ⑬ Take a topo shot ⑭ Simple grading ON/OFF
- ⑮ Cut depth selection ⑯ Smooth start ON/OFF
- ⑰ Tilt steering ON/OFF ⑱ Toggle As-built mode change view to [none], [cut fill], [pass counts]
- ⑲ Quick surface creation (Create slope plane surface)
- ㉑ Lift layer control (Create As-built design surface)
- ㉔ Elevation control key ㉕ Slope control key
- ㉖ GNSS status ㉗ Radio status ㉘ Cut/Fill offset
- ㉙ Cut/Fill reading ㉚ Tilt of blade
- ㉛ Design cross-slope ㉜ Type of control
- ㉝ AUTO indicator ㉞ Back Grade mode indicator
- ㉟ Lift indicator

* This is a typical main screen of control box.

Automatic dozing from grass to grade

Benefits of IMC 2.0



Improved finish grading

Applications: Finish grading

- Analyzes terrain and 3D model to proactively position blade in hard-to-grade areas
- Helps prevent overcutting at finish grade



Lift layer control

Applications: Lifting, compaction quality control

- Maintain precise lift thickness
- Automatically spreads lift from existing terrain and helps prevent overfill
- Up to double the production of prior model



Proactive dozing control

Applications: Stripping topsoil, high-production dozing

- Uses data from previous pass to plan the next pass
- Automatically cut/strip from existing terrain
- Helps new operators perform like experienced ones



Tilt steering control

- Automatically tilts blade to maintain straight travel while rough dozing
- Maintains consistent power to the ground and track

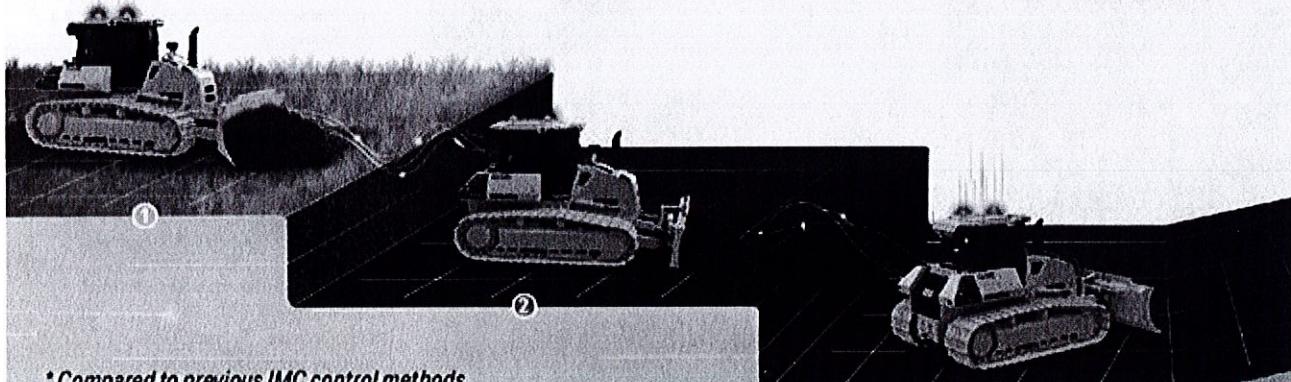
Use automation throughout the entire process

Bidding

Stripping topsoil ①

Mass excavation ②

Finish grading ③



* Compared to previous IMC control methods

** Compared to traditional methods

Performance features

Komatsu engine technologies

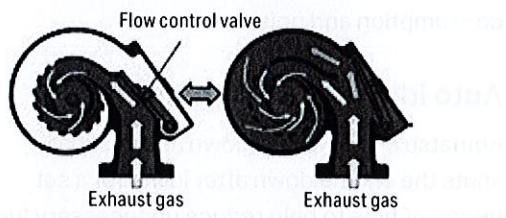
Emissions-compliant engine

Regulations effective in 2014 require the reduction of nitrogen oxide emissions. In addition to refining the U.S. EPA Tier 4 Interim technologies, Komatsu developed a new selective catalytic reduction (SCR) device in-house.

Technologies applied to engine

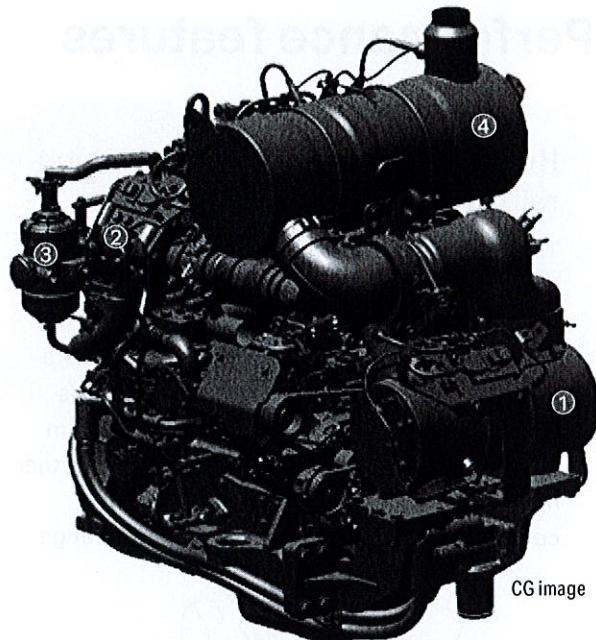
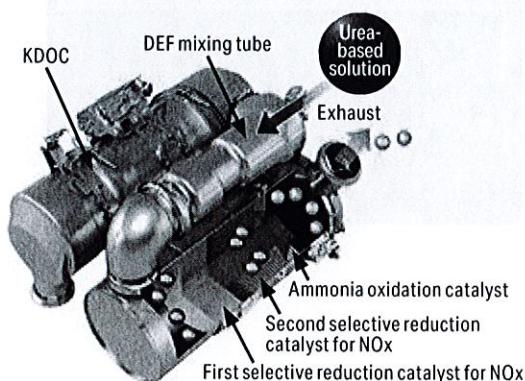
Water-cooled variable flow turbocharger

The variable flow turbocharger features simple and consistent technology that varies the intake air-flow. Exhaust turbine wheel speed is controlled by a flow control valve that enables delivery of a precise volume of air to the engine combustion chamber under all speed and load conditions. This technology helps promote cleaner exhaust gas while maintaining power and performance.



Heavy-duty aftertreatment system

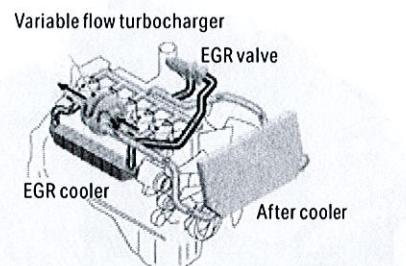
This system consists of a Komatsu Diesel Oxidation Catalyst (KDOC) and a SCR. The SCR NOx reduction system injects the precise amount of diesel exhaust fluid (DEF) at the proper rate, thereby decomposing nitrogen oxide into water (H₂O) and nitrogen gas (N₂).



- ① Komatsu Diesel Oxidation Catalyst (KDOC)
- ② Variable flow turbocharger
- ③ Komatsu Closed Crankcase Ventilation (KCCV)
- ④ SCR

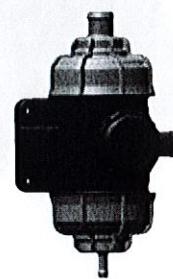
Cooled exhaust gas recirculation (EGR)

Cooled EGR, a dependable technology available in existing Komatsu engines, promotes reduced nitrogen oxide emissions. These components drive reliable performance during the demanding work conditions of construction equipment.



Komatsu Closed Crankcase Ventilation (KCCV)

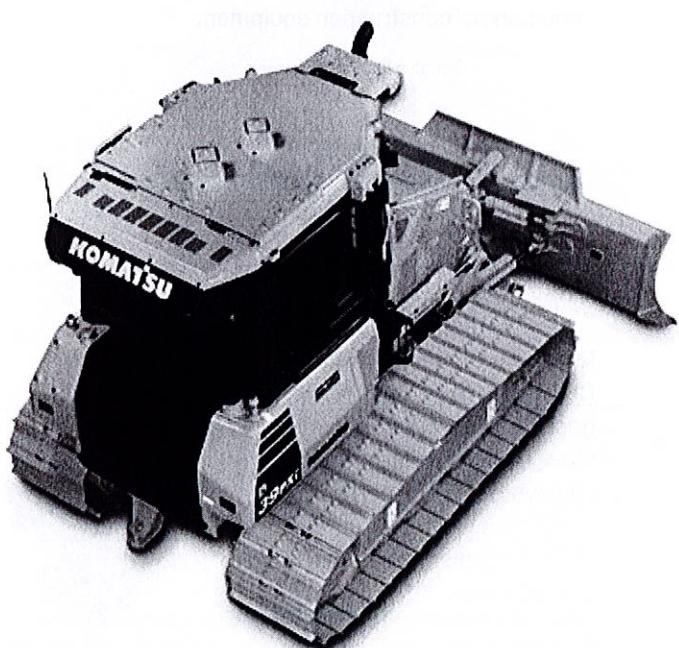
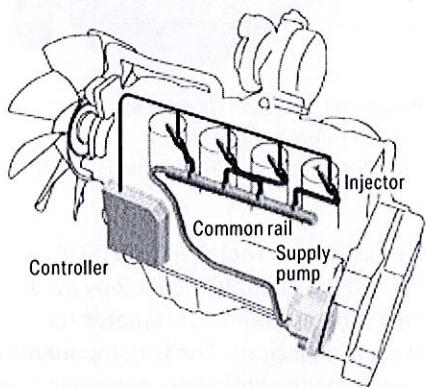
Crankcase emissions (blow-by gas) are passed through a KCCV filter. The KCCV filter traps oil mist which is returned back to the crankcase while the gas, which is almost oil-mist-free, is fed back to the air intake.



Performance features

Heavy-duty high-pressure common rail (HPCR) fuel injection system

The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, thereby bringing close to complete combustion to help control particulate matter (PM) emissions. While this technology is already used in current engines, the new system uses higher-pressure fuel injection, thereby further helping to reduce both PM emissions and fuel consumption over the entire engine power range.



Advanced electronic control system

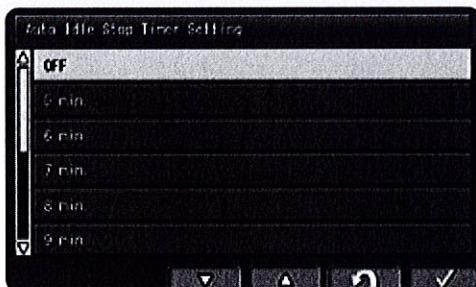
The electronic control system performs high-speed processing of signals from sensors installed in the vehicle and engine. This promotes better control of the equipment under virtually any condition. Engine condition information is displayed via an on-board network on the monitor inside the cab. Furthermore, Komtrax helps customers use this information to keep up with maintenance needs.

Redesigned combustion chamber at top of piston

The combustion chamber at the top of the piston has a new shape designed to improve combustion and further help control NOx, PM, fuel consumption and noise.

Auto idle shutdown function

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to help reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.

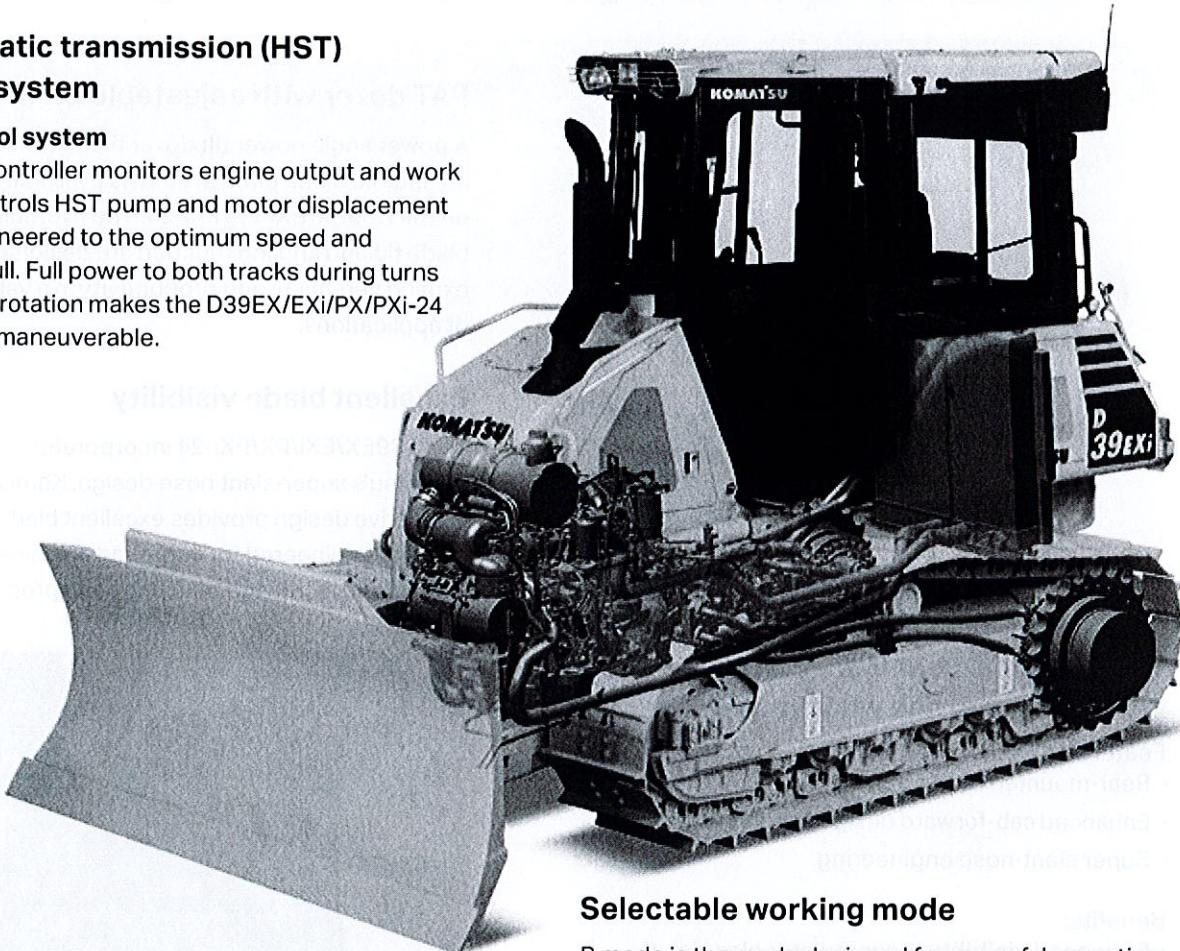


Productivity and fuel economy features

Hydrostatic transmission (HST) control system

HST control system

The HST controller monitors engine output and work load. It controls HST pump and motor displacement and is engineered to the optimum speed and drawbar pull. Full power to both tracks during turns or counter-rotation makes the D39EX/EXi/PX/PXi-24 extremely maneuverable.



Fuel efficiency

The efficient HST control system can help reduce fuel consumption.

Fuel consumption reduced by up to **5%**

Compared with D39EXi/PXi-23 in P mode
Based on typical work pattern collected via Komtrax

Hydraulically driven cooling fan

The engine cooling fan's speed is electronically controlled. Fan speed depends on engine coolant and oil temperatures. The fan will only rotate as fast as is necessary to adequately cool the machine's fluid. This system works to support fuel efficiency, helps control operating noise levels and generally will require less horsepower than a belt-driven fan.

Selectable working mode

P mode is the mode designed for powerful operation and maximum production. E mode is designed for general dozing applications and providing adequate speed and power while saving energy. For fuel usage reduction and energy savings, the monitor panel allows the operator to easily switch between working modes, depending on working conditions.

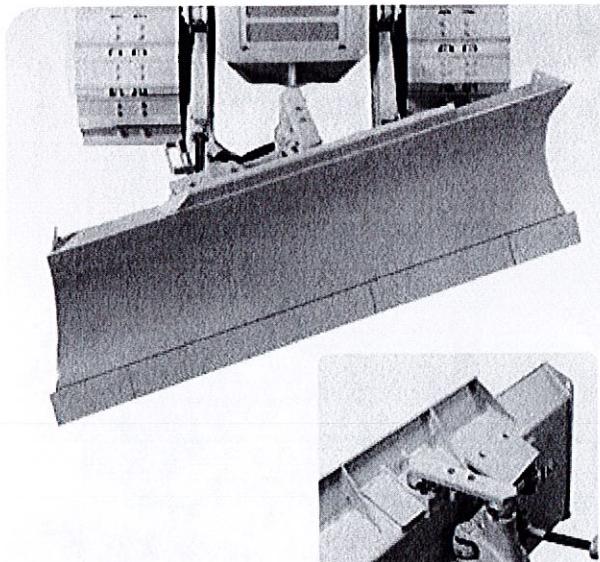
P mode (power mode)

With P mode, the engine outputs its full power, allowing the machine to perform work requiring large production, heavy-load and uphill work.

E mode (economy mode)

With E mode, the engine outputs enough power for the work without delivering unnecessary power. This mode enables energy saving operation and is designed for work on hard or rough surfaces that often cause shoe slip and work not requiring as much power, such as downhill dozing, leveling and light-load work.

Productivity and fuel economy features



PAT dozer with adjustable pitch

A power angle power tilt dozer blade with adjustable blade pitch system is available on the D39EX/EXi/PX/PXi-24. The hydraulic blade tilt and angling function are designed to expand versatility and productivity in a variety of applications.

Excellent blade visibility

The D39EX/EXi/PX/PXi-24 incorporates Komatsu's super-slant nose design. Komatsu's innovative design provides excellent blade visibility engineered for improved machine control and increased efficiency and productivity.

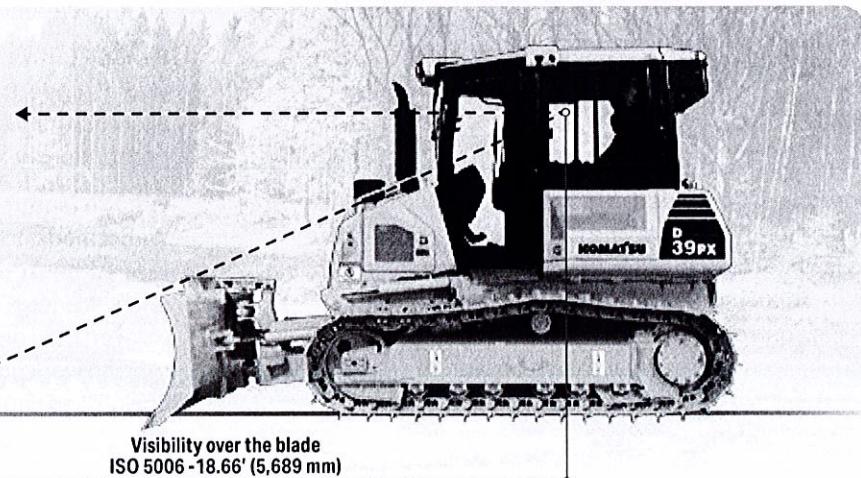
**Looking for a clear line of site?
Let us help you see what you're missing!**

Features:

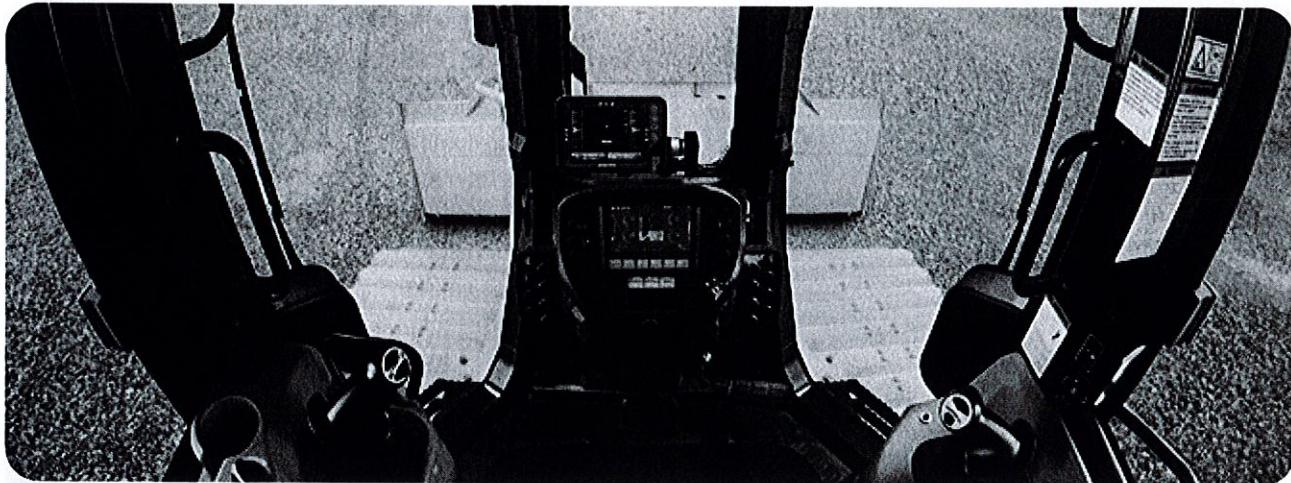
- Rear-mounted radiator
- Enhanced cab-forward design with integrated ROPS
- Super slant-nose engineering

Benefits:

- **Enhanced visibility:** Rear radiator placement allows for a lower front height
- **Operator confidence:** Enhanced field of view facilitates proper operation
- **Comfortable:** Superior cab-forward design for a balanced ride



Control features

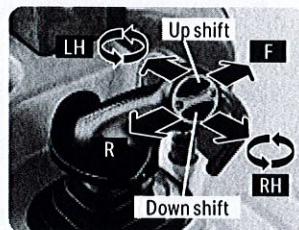


Palm Command Control System (PCCS) levers

Komatsu's ergonomically designed PCCS handles create an operating environment designed for complete operator control.

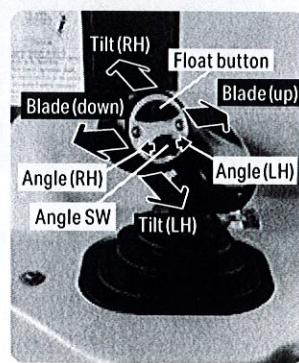
PCCS

The low-effort PCCS joystick controls directional movements, including machine travel speed as well as counter-rotation.



Electronic controlled hydraulic system

Electronic controlled palm commanded joystick in engineered for precise blade control. New blade angling switch operation provides easy and predictable blade control.



HST with electronic control

The D39EX/EXi/PX/PXi-24 is equipped with Komatsu-designed HST that allows for quick-shift or variable speed selection. The HST consists of dual-path closed-circuits, with two variable displacement piston pumps and two variable displacement travel motors. Hydrostatic steering eliminates the need for steering clutches and brakes, providing smooth, powerful turns. Fully electronic control provides automatic shifting and enabling smooth control. Engine speed is controlled using an electronic fuel control dial.

One-pedal design (decelerator/brake pedal) controls speed during operation

Machine operation is simple because brake function has been integrated into the decelerator pedal. Machine travel speed can be controlled using one pedal. The pedal function can be changed by a mode selector switch.



Decelerator mode: The pedal modulates engine rpm and vehicle travel speed. It can be used for all applications.

Brake mode: The pedal modulates vehicle travel speed while maintaining high-engine speed. This mode can be helpful to maintain work-equipment speed, while using the brake function.

Working environment

Integrated ROPS (ISO 3471) cab

The D39EX/EXi/PX/PXi-24 has an integrated ROPS (ISO 3471) cab with Bluetooth radio and LED worklights. High rigidity and superb sealing performance work to sharply reduce noise and vibration for the operator and discourage dust from entering the cab. In addition, side visibility is enhanced because external ROPS (ISO 3471) structure and posts are not required.

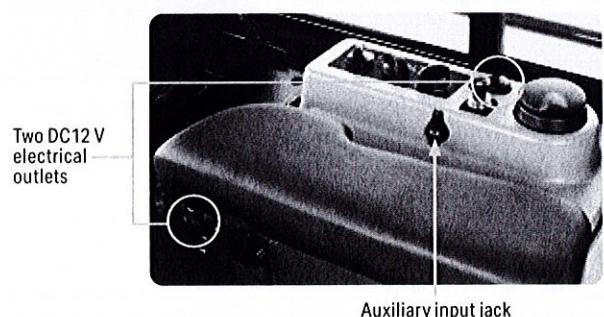


Comfortable ride with cab damper mounting

The D39EX/EXi/PX/PXi-24's cab mount uses a cab damper system that provides excellent shock and vibration absorption. The silicon-oil-filled cab damper mount helps to isolate the cab from the machine body, suppressing vibration and designed to provide quiet, comfortable operating environment.

Auxiliary input jack and two DC12-volt electrical outlets

By connecting an auxiliary device to this plug input, the operator can play audio from a mobile device through the machine's sound system. Two DC12-volt electrical outlets can be used as a power source for radio equipment or others.



Comfortable ride with heated operator seat

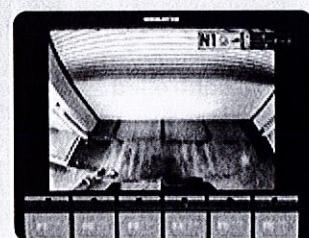
The operator seat has adjustable lumbar support, tilt and an electric heater. It is easy to adjust to the operator's shape and comfortable operation is possible in a variety of conditions. Also, the seat heat makes it possible to work comfortably in the winter.



Additional operator convenience equipment

Rearview monitor system

On the large LCD color monitor, the operator can view, through one camera, areas directly behind the machine. This camera can be synchronized with reverse operation.



Secondary engine shutdown switch

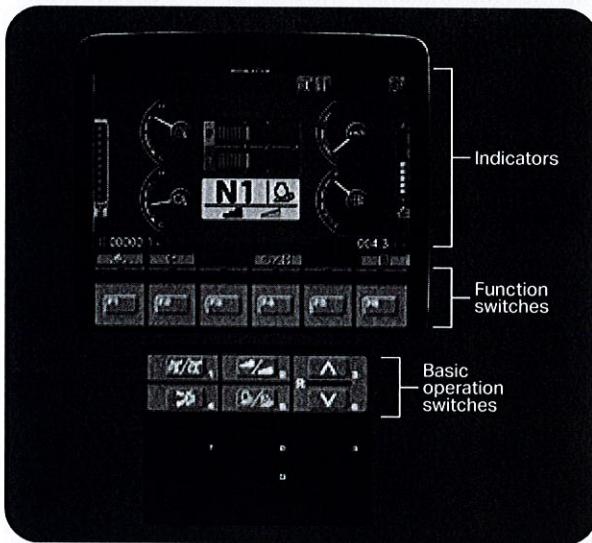
A new secondary switch has been added at the side of the front console to shut down the engine.



Technology features

Large multilingual, high-resolution LCD monitor

A large, user-friendly color monitor provides easy-to-understand information for the operator. Excellent screen visibility is achieved with a high-resolution LCD monitor that is easy to read at various angles and under various lighting conditions. Simple and easy-to-operate switches and function keys facilitate multi-function operations. The monitor displays data in 26 languages.



Multi-monitor with troubleshooting function to control downtime

Various meters, gauges and warning functions are centrally arranged on the multi-monitor. The monitor helps simplify start-up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities occur. In addition, warning indicators are displayed in four levels to alert the operator of potential issues. Replacement times for required PM services are also indicated.

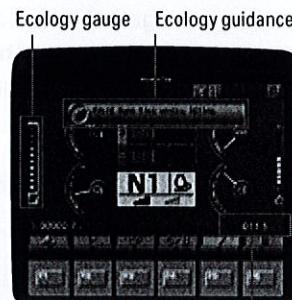


Energy saving operation

Ecology guidance

In order to support efficient operation, the following four messages are displayed for fuel saving operation. These can be displayed by the operator, if desired.

- 1) Avoid excessive engine idling
- 2) Use economy mode to save fuel
- 3) Avoid hydraulic relief pressure
- 4) Avoid over load



Ecology gauge

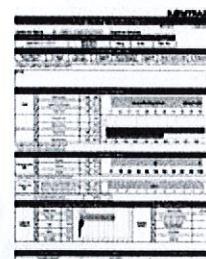
To help the operator perform in an environmentally conscious way and help control energy consumption, an easy-to-read "ecology gauge" is displayed on the left of the multi-monitor screen.

Fuel consumption display

Average fuel consumption during the day is displayed and updated every 10 seconds.

Ecological operation report for assistance

My Komatsu makes it easy to collect, visualize and monitor telematics data from both Komatsu machines and other OEM machines so that you can make the best operation and management decisions. Location, actual hours worked, fuel consumption, maintenance monitoring, load frequency and more are displayed on easy-to-read dashboards. The new D39EX/EXi/PX/PXi-24 models add the following new information to drive fuel consumption reduction:



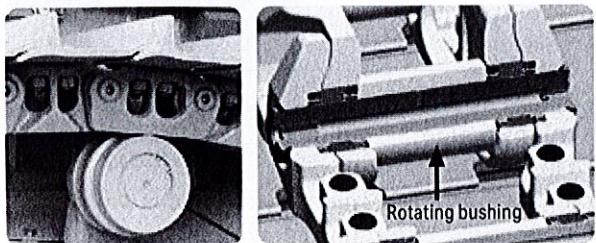
- Guidance to help control fuel consumption
- Ecological operation report
- Operating hours by operation mode (E or P mode)
- Service information for U.S. EPA Tier 4 Final (regeneration information)

Reliability and maintenance features

Excellent reliability and durability

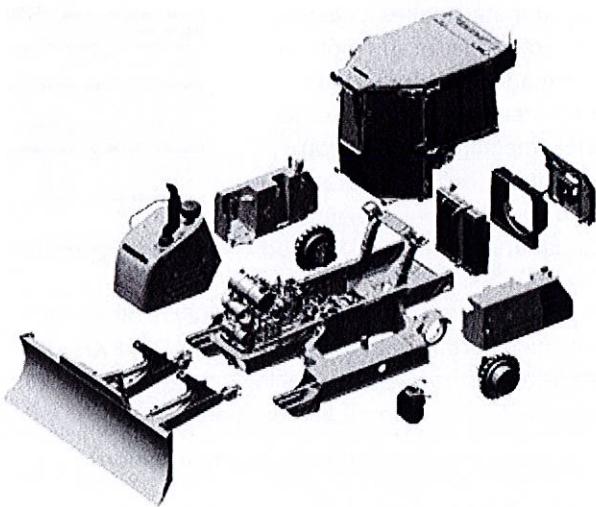
Parallel Link Undercarriage System (PLUS)

Komatsu's PLUS rotating bushing design helps control downtime, promotes longer wear and helps to lower undercarriage maintenance costs. Rotating bushings mitigate the cost and downtime for bushing turns, and strengthened rollers and links are designed to increase wear life. With PLUS, individual links can be replaced with common track tools.



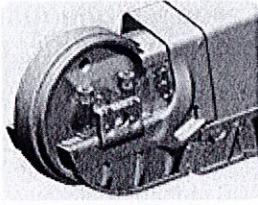
Modular design

One of the design goals behind the creation of the D39EX/EXi/PX/PXi-24 was to manufacture a more durable machine. This was achieved by reducing component complexity and using a strong modular design allows for increased serviceability and durability.



Self-adjusting idler support

The self-adjusting idler support is engineered to provide constant and even tension on idler guide plates, helping to reduce noise and vibration and driving longer undercarriage life.

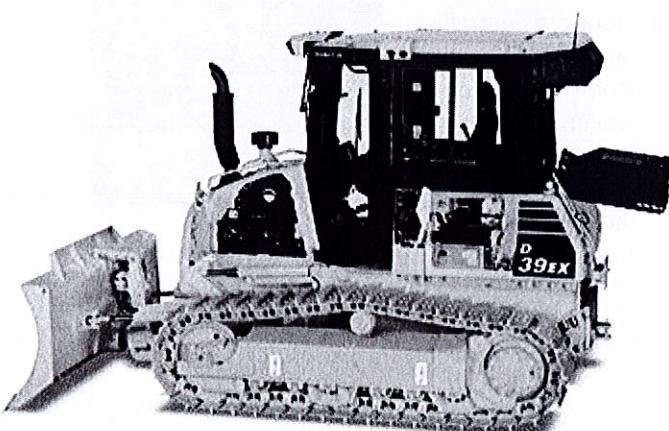
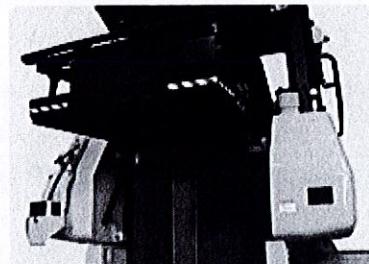


Easy maintenance

Planned maintenance and daily checks are the only way to maintain long service life from equipment. That's why Komatsu designed the D39EX/EXi/PX/PXi-24 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

Rear, hydraulically driven, swing-up fan

The D39EX/EXi/PX/PXi-24 utilizes a swing-up fan with a gas strut-assisted lift system to provide easy access to the (side-by-side) radiator, oil cooler and charge air cooler. The hydraulic fan has a cleaning mode which enables the fan to rotate in the reverse direction to help clear off objects that are restricting air flow.



Komatsu helps you bring it all together

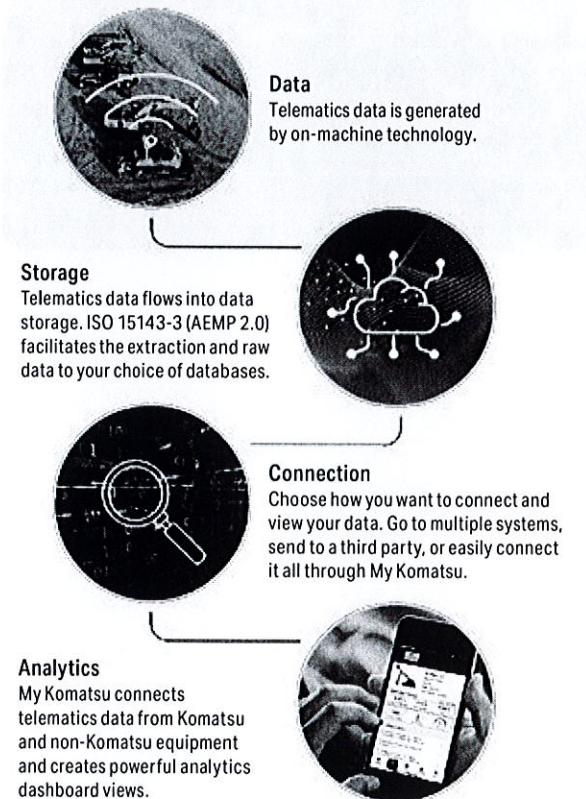
Get the most out of your fleet with My Komatsu

We've designed a portal that makes it easy to collect, visualize and monitor data for both Komatsu machines and other OEM machines. My Komatsu also gives you one easy source for accessing manuals and purchasing parts for your machines.

- Quickly collect, view and manage intuitive data displays in one location
- Help keep costs under control
- Benchmark machine performance and track fuel consumption
- Monitor for theft and unauthorized use
- Receive timely maintenance alerts



My Komatsu, our comprehensive portal, analyzes telematics data from your on-machine technology — Komtrax and Komtrax Plus, or from other OEMs — and displays it on easy-to-read dashboards. Now you can get the powerful analytics you need to manage your costs and enhance your fleet's efficiency without a complicated process or expensive third-party solutions.



mykomatsu.komatsu

Get more from an IMC machine with Smart Construction

You can have more control over your projects, efficiency and profitability when data is easily shared, replicated, updated and analyzed. That's what Smart Construction software, services and solutions are all about.



An IMC dozer is capable of dozing to plan with incredible precision and efficiency when working off a 3D design.

Have paper plans turned into digital 3D design files with our **Smart Construction Design** service.

Transfer files wirelessly to any cellular connected machine or data collector — from almost anywhere — with **Smart Construction Remote**, saving hours of time. You can also review near real-time machine data with a connected phone or computer.



As a dozer tracks, it tracks as-built data. **Smart Construction**, a productivity tracking, site visualization and site management tool can easily quantify production and easily report to and invoice clients.

We can help you implement these solutions and even train your staff to use them. Technology solution experts and trainers are available by phone, online or at your job site to help you thrive on your digitalization journey.

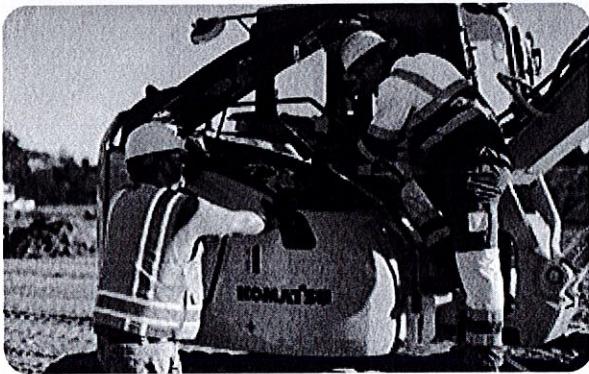
komatsu.com/smart-construction

D39EX/EXi/PX/PXi-24

Komatsu maintenance and repair programs

Simplify the complexities of machine owning and operating costs and enhance the value of your equipment with Komatsu's tiered maintenance and repair offerings. Manage your active coverage programs through the My Komatsu customer interface and take advantage of attractive financing options.

- Solutions that fit your needs and ease your mind
- Fixed maintenance and repair costs for the life of the contract
- National coverage



Komatsu Care Complimentary

Complimentary maintenance

Our complimentary scheduled maintenance program for the first three years or 2,000 hours, whichever occurs first.

Komatsu Care Plus

Extended maintenance

A continuation of the Komatsu Care program. Along with regularly scheduled maintenance and national distributor coverage, you get a variety of added benefits.

Komatsu Care Plus II

Extended maintenance and repair

Everything in the Komatsu Care Plus program bundled with comprehensive repair coverage for qualifying repairs.

Komatsu Care Plus III

Extended maintenance, repair and consumables

A comprehensive program that simplifies your equipment's total cost of ownership with a fixed cost per hour for qualifying repairs and replacements.

Komatsu Care Advantage Warranty

Extended warranty

Protect your equipment in the event a covered component fails due to a defect in material or workmanship. Repairs are performed by Komatsu-trained experts using Komatsu genuine parts.

komatsu.com/maintenance-repair

Komatsu Financial

Financial services built for your business success.

komatsu.com/financing

Komatsu Genuine Parts

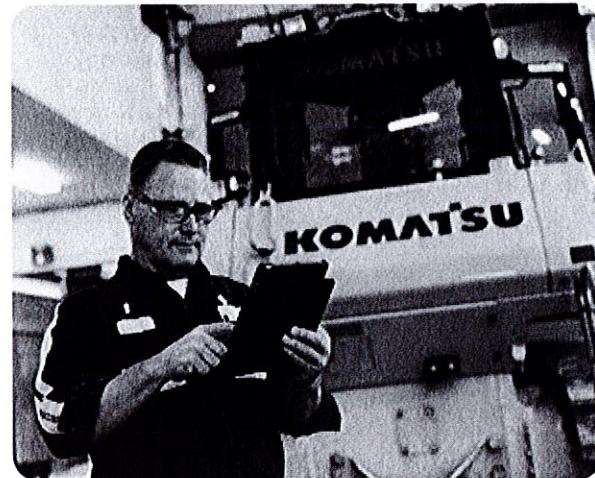
Engineered to help extend the life of your Komatsu machine. Now available on the My Komatsu parts store.

komatsu.com/parts

Komatsu training

Comprehensive training support — virtually, at our facility or where most convenient.

komatsu.com/training



General specifications

Engine

Model	Komatsu SAA4D95LE-7*	
Type	4-cycle, water-cooled, direct injection	
Aspiration	Variable flow, turbocharged, air-to-air aftercooled	
Number of cylinders	4	
Bore x stroke	3.75 in x 4.52 in (95 mm x 115 mm)	
Piston displacement	199 in ³ (3.26 L)	
Governor	All-speed, electronic	
Horsepower		
SAE J1995	Gross: 107 HP (79 kW)	
ISO 9249/SAE J1349	Net: 105 HP (78 kW)	
Rated rpm	2,200 rpm	
Fan drive type	Hydraulic	
Lubrication system		
Method	Gear pump, force lubrication	
Filter	Full-flow	

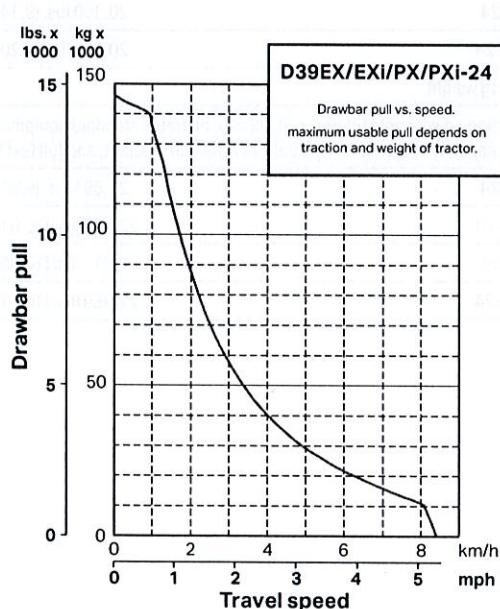
*EPA Tier 4 Final emissions certified

Hydrostatic transmission

Dual-path, hydrostatic transmission provides infinite speed changes up to 5.3 km/h 8.5 mph. The variable capacity travel motors allow the operator to select the best speed to match specific jobs. Travel control lock lever and neutral switch.

Travel speed (quick shift mode)*	Forward	Reverse
1st	0-3.4 km/h 0-2.1 mph	0-4.1 km/h 0-2.5 mph
2nd	0-5.6 km/h 0-3.5 mph	0-6.5 km/h 0-4.0 mph
3rd	0-8.5 km/h 0-5.3 mph	0-8.5 km/h 0-5.3 mph
Travel speed (variable mode)	Forward	Reverse
	0-8.5 km/h 0-5.3 mph	0-8.5 km/h 0-5.3 mph

*Quick shift speeds are adjustable in the monitor.



Final drives

In-shoe mounted, axial-piston-type travel motors, with integrated two-stage planetary gear reduction. Compact in-shoe mount helps control risk of damage by debris. Bolt-on sprocket ring with triple labyrinth seal design.

Steering system

Palm Command Control System (PCCS) joystick control for all directional movements. Pushing the joystick forward results in forward machine travel, while pulling it rearward reverses the machine. Simply tilt the joystick to the left or right to make a turn. Tilting the joystick fully to the left or right activates counter-rotation.

Hydrostatic Transmission (HST) provides smooth powerful turns. Fully electronic control enables smooth control that can be adjusted in the monitor. The PCCS utilizes shift buttons to increase and decrease speed.

Minimum turning radius*

D39EX/EXi-24	2.2 m (87 in)
D39PX/PXi-24	2.4 m (94 in)

*As measured by track marks on the ground at pivot turn.

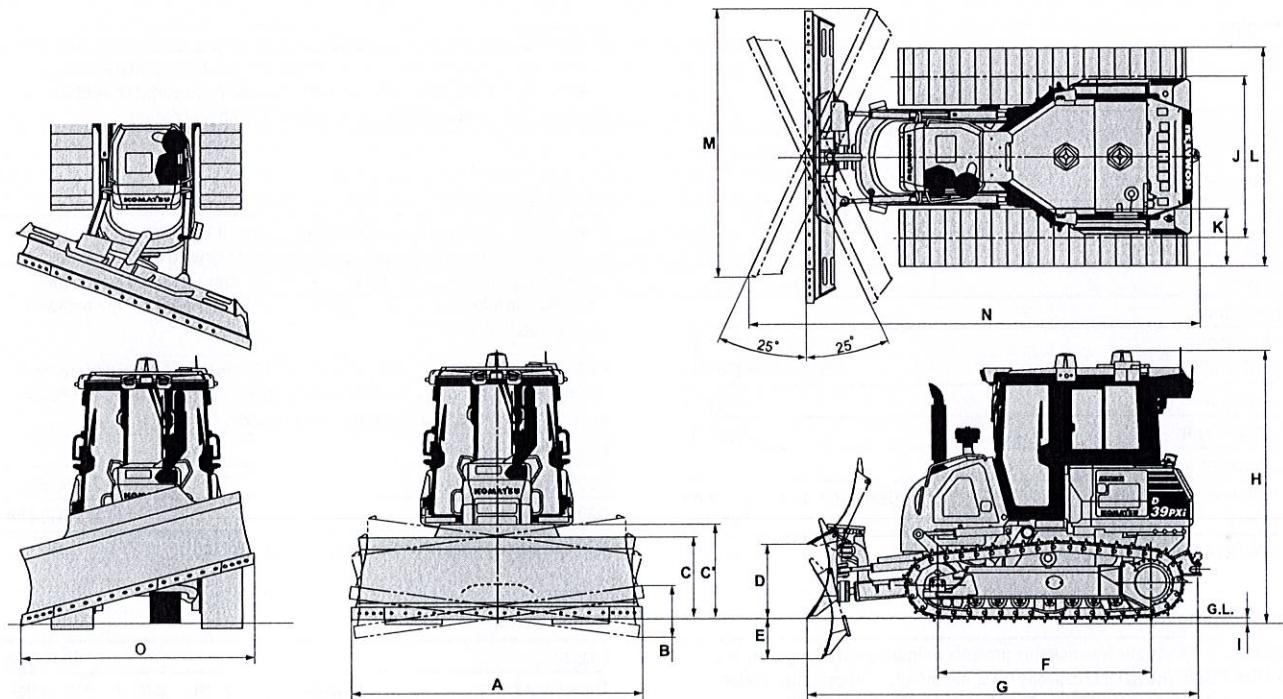
Undercarriage

Suspension	Rigid type		
Track roller frame	Monocoque, large section, durable construction		
Rollers and idlers	Lubricated track rollers		
Sealed & lubricated track...Track tension easily adjusted w/grease gun			
	D39EX/ EXi-24	D39PX/ PXi-24 narrow	D39PX/ PXi-24 wide
Number of track rollers (each side)	6	7	7
Type of shoes (standard)	Single grouser	Single grouser	Single grouser
Number of shoes (each side)	39	39	39
Grouser height	mm in	47 1.9"	47 1.9"
Shoe width (standard)	mm in	510 20"	635 25"
Ground contact area	cm ² in ²	23919 3,707	29782 4,616
Ground pressure (with dozer, ROPS cab)	kPa kgf/cm ² psi	36.1 0.37 5.24	30.1 0.31 4.39
Track gauge	mm ft. in	1620 5'4"	1810 5'11"
Length of track on ground	mm ft. in	2345 7'8"	2345 7'8"

Service refill capacities

Coolant	34 L	9.0 US gal
Fuel tank	190 L	50.2 US gal
Engine oil	11 L	2.9 US gal
Hydraulic tank	64 L	17 US gal
Final drive (each side)	3.5 L	0.9 US gal
Diesel Exhaust Fluid (DEF) tank	10 L	2.6 US gal

D39EX/EXi/PX/PXi-24



Dimensions

	D39EX/EXi-24		D39PX/PXi-24	
A	8'11"	2,710 mm	10'8"	3,250 mm
B	1'2"	365 mm	1'5"	440 mm
C	3'3"	980 mm	3'	910 mm
C1	3'8"	1,120 mm	3'7"	1,105 mm
D	2'8"	820 mm	2'8"	820 mm
E	1'5"	440 mm	1'5"	440 mm
F	7'8"	2,345 mm	7'8"	2,345 mm
G	14'5"	4,385 mm	14'5"	4,385 mm
H	9'11"	3,010 mm	9'4"	2,850 mm
I	1.9"	47 mm	1.9"	47 mm
J	5'4"	1,620 mm	5'11"	1,810 mm
K	1'6"	460 mm	2'1"	635 mm
L	6'10"	2,080 mm	8'2"	2,445 mm
M	8'2"	2,495 mm	9'10"	2,990 mm
N	16'1"	4,910 mm	16'6"	5,020 mm
O	8'1"	2,475 mm	9'8"	2,940 mm
Ground clearance	15" 390 mm			

Operating weight (approximate)

Tractor weight

Including ROPS cab, U frame for power angle tilt dozer, rated capacity of lubricant, coolant, full fuel tank, operator, and standard equipment.

D39EX-24	19,379 lbs. (8,790 kg)
D39EXi-24	19,510 lbs. (8,850 kg)
D39PX-24	20,150 lbs. (9,140 kg)
D39PXi-24	20,282 lbs. (9,200 kg)

Operating weight

Including power angle tilt dozer, ROPS cab, operator, standard equipment, rated capacity of lubricant, hydraulic control unit, coolant, and full fuel tank.

D39EX-24	21,891 lbs. (9,930 kg)
D39EXi-24	22,068 lbs. (10,010 kg)
D39PX-24	22,817 lbs. (10,350 kg)
D39PXi-24	22,950 lbs. (10,410 kg)

General specifications

Hydraulic system

Closed-Center Load Sensing System (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

Hydraulic control unit

All spool control valves externally mounted remote to the hydraulic tank. Piston-type hydraulic pump with capacity (discharge flow) of 99 ltr/min 26.2 US gal/min at rated engine rpm.

Relief valve setting	27.4 MPa 280 kg/cm ² (3,974 psi)	
Hydraulic cylinders	Double-acting, piston type	
	Number of cylinders	Bore
Blade lift	2	75 mm (3.0")
Blade tilt	1	90 mm (3.5")
Blade angle	2	80 mm (3.2")
Hydraulic oil capacity (refill):		
Power angle tilt dozer	64 L	17 US gal
Control valves		
3-Spool control valve for power angle tilt dozer		
Positions		
Blade lift	Raise, hold, lower, and float	
Blade tilt	Right, hold, and left	
Blade angle	Right, hold, and left	
Additional control valve required for ripper		
Positions		
Ripper lift	Raise, hold, and lower	



Dozer equipment

	Overall length with dozer* ft. in mm	Blade capacity yd ³ /m ³	Blade width x height ft. in mm	Max. lift above ground ft. in mm	Max. drop below ground ft. in mm	Max. tilt adjustment ft. in mm	Blade angle
D39EX/EXi-24	14'5"	2.89 yd ³	8'11" x 3'3"	2'8"	1'5"	1'3"	25°
Standard blade	4,385 mm	2.21 m ³	2,710 mm x 980 mm	820 mm	440 mm	385 mm	
D39PX/PXi-24	14'5"	3.14 yd ³	10'8" x 3'	2'8"	1'5"	1'5"	25°
Standard blade	4,385 mm	2.40 m ³	3,250 mm x 910 mm	820 mm	440 mm	440 mm	
D39PX/PXi-24	14'5"	2.90 yd ³	9'9" x 3'	2'8"	1'5"	1'4"	25°
Narrow blade	4,385 mm	2.22 m ³	2,980 mm x 910 mm	820 mm	440 mm	405 mm	

* Including hitch

Blade capacities are based on the ISO recommended practice 9246.

Use of high-tensile-strength steel in moldboard for strengthened blade construction.

Standard equipment for base machine*	D39	D39i
Accumulator for Electric Proportional Control (EPC)	•	•
Air cleaner, dry, double element type with caution lamp on monitor	•	•
Air conditioner (A/C)	•	•
Air inlet	•	•
Alternator, 24 V/85 A	•	•
Back-up alarm	•	•
Batteries, large capacity 24 V/92 Ah	•	•
Cab accessories		
- 12 V x 2 power supply		
- Cup holder		
- Rear view mirror	•	•
- Rear view monitor system		
- Bluetooth/USB compatible radio with remote AUX plug (3.5 mm)		
Crankcase guard and underguard	•	•
Decelerator/brake pedal (single pedal)	•	•
Electronically controlled Hydrostatic Transmission (HST) with quick-shift and variable speed settings	•	•
Electronic monitor panel with on-board diagnostics	•	•
Engine hood and side panels	•	•
Engine, Komatsu SAA4D95LE-7, gross output of 80 kW 107 HP, direct injection, water-cooled turbocharged, air-to-air aftercooler, cooled EGR, EPA Tier 4 Final and EU Stage 4 emissions certified	•	•
Fan, hydraulic driven, electronic control	•	•
Filler cap locks and cover locks	•	•
Foot rest, high mounted	•	•
Fuel pre-filter (10 micron) and fuel filter (2 micron)	•	•
Grease gun holder	•	•
High altitude arrangement (No fuel adjustment up to 2300 m)	•	•
Horn	•	•
Hydraulics for PAT dozer	•	•
Intake pipe with precleaner	•	•
Large high-resolution LCD	•	•
LED worklights	•	•
Lunch box holder	•	•
Marks and plates, English	•	•
New operator identification system	•	•
Palm Command Control System (PCCS) with electronic control for travel control	•	•
Palm Command Control System (PCCS) with EPC for blade control	•	•
Power turn with counter rotation	•	•
Pulhook, front	•	•
Radiator guard grid	•	•

	D39	D39i
Radiator reserve tank	•	•
Real-time DEF monitoring	•	•
Rear-hinged radiator guard	•	•
Reverse travel speed presets	•	•
ROPS cab, meets ISO 3471, SAE J/ISO 3471 ROPS standards, and ISO 3449 FOPS standard	•	•
Seat belt, 3" (76 mm) retractable	•	•
Seat, air suspension, fabric, heated, low back, headrest	•	•
Starting motor, 24 V/4.5 kW	•	•
Self adjusting roller	•	•
Sprockets, bolt-on	•	•
Sprocket inner guard	•	•
Track roller guards, end section	•	•
Track shoe assembly (PLUS)	•	•
- Heavy-duty lubricated rotary bushing		
D39EX/EXi-24: 20" (510 mm) single grouser shoe	•	•
D39PX/PXi-24: 25" (635 mm) single grouser shoe	•	•
Triple labyrinth final drive	•	•
Water separator	•	•
Shovel holder	•	•
Optional equipment	D39	D39i
Dozer assembly	○	○
Hitch	○	○
Hydraulics for rear equipment	○	○
Track roller guard, full length	○	○
Multi-shank scarifier		
- Weight 1,036 lbs. (470 kg)		
- Beam length 62" (1,569 mm)		
- Maximum lift above ground 15" (389 mm)	○	○
- Maximum digging depth 13" (336 mm)		
- Number of shanks 3		
27.5" (700 mm) single grouser (PX) (PLUS)	○	○
IMC 2.0 2D laser kit	-	○
Allied manufacturer's attachments (shipped loose)	D39	D39i
Guarding-Komatsu (Ken Garner)		
- Front sweeps 584 lbs. (229 kg)		
- Hinged cab side screens 97 lbs. (44 kg)	○	○
- Hinged cab rear screen 95 lbs. (43 kg)		
- Poly panel door inserts 91 lbs. (41 kg)		
Hydraulic winch - Allied H4AT 1,510 lbs. (685 kg)	○	○
Fairlead, four roller	○	○
Drawbar	○	○
Arch, four roller	○	○
*Dozer assembly and rear-mounted equipment are not included in base machine price.	Standard equipment	•
	Optional equipment	○
	Not applicable	-

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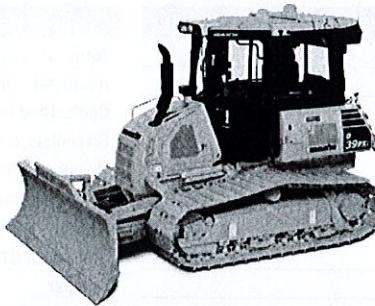
komatsu.com





D39EX/EXi/PX/PXi-24

Tier 4 final engine



Program information

Komatsu Care Plus II takes care of your equipment maintenance and repairs. You'll receive all the benefits of Komatsu Care Plus such as oil sampling, automatic maintenance scheduling, 50-point inspections, and the peace of mind that your equipment is being taken care of the way Komatsu intended. In addition, we've bundled Komatsu's Premier Extended Coverage to support your equipment's needs in case of unexpected repairs. Our comprehensive support plan protects your equipment with certified labor and includes diagnostic time.

Benefits

- Fixed maintenance and repair costs
- National service coverage
- Special financing
- Competitive pricing

Guaranteed

Komatsu Genuine Parts — To promote long-term performance and reliability, only genuine Komatsu parts are used for your equipment's maintenance.

Certified labor — So you're confident the job will get done right, work on your machine will be performed by Komatsu factory-trained service technicians. In addition to required work, they also perform a 50-point inspection to make sure your machine stays running at top performance.

Komatsu Oil and Wear Analysis (KOWA) — Enables us to detect abnormalities in your machine's condition, so we can further investigate and take the necessary actions to prevent catastrophic failures and minimize downtime.

Komtrax — Have a busy schedule? We'll monitor your machine through Komtrax telematics to automatically schedule your next maintenance and notify you when it's complete.

Contract agreement

Machine model:

Serial number:

Length:

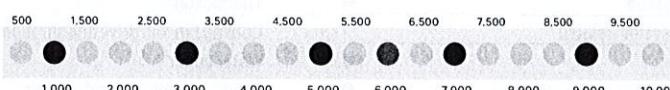
Duration:

Planned maintenance interval	500	1,000	2,000	6,000
Reset monitor panel for service interval	•	•	•	•
Complete 50-point inspection	•	•	•	•
Perform KOWA sampling	•	•	•	•
Lubricate machine	•	•	•	•
Change engine oil	•	•	•	•
Replace engine oil filter	•	•	•	•
Replace main fuel filter	•	•	•	•
Replace fuel pre-filter	•	•	•	•
Replace air conditioner recirculation filters	•	•	•	•
Replace engine air filter	•	•	•	•
Change final drive case oil	•	•	•	•
Replace fuel tank breather element		•	•	•
Replace hydraulic tank breather element		•	•	•
Replace DEF tank breather element		•	•	•
Clean fan		•	•	•
Change hydraulic tank oil			•	•
Replace hydraulic tank oil filter			•	•
Replace HST oil filter			•	•
Clean hydraulic tank strainer			•	•
Replace KCCV filter			•	•
Replace DEF filter			•	•
Change coolant				•
Additional parts				
KDPF filters				As needed

Additional items may be included

Coolant replacement will be included in maintenance intervals starting at 6,000 hours.

Machine hours



Repair coverage

- Powertrain
- Hydraulics
- Engine
- Cabin
- Electrical
- Structural
- Certified technicians
- Diagnostics
- Travel

For complete list of repairs, refer to page two of the contract.

Covered items	Plus II	Covered items	Plus II	Covered items	Plus II
Engine and related parts		Torque flow assembly/power module	●	Hydraulic accumulators	●
Engine oil related		Hydrostatic pumps and motors	●	Hydraulic oil coolers and cooling fans	●
Cooler	●	Control and PPC valves	●	Swivels (rotary manifolds)	●
Engine filter mount	●	Oil coolers, tanks and reservoirs	●	Swing motor	●
Remote make-up oil tanks	●	Oil filter mount	●	Hydraulic oil filter assembly	●
Remote mounted oil filtration system	●	Electronic control module	●	Hydraulic tanks	●
Valves	●	Senders, solenoids and sensors	●	Senders, solenoids and sensors	●
Hose clamps and hoses*	●	Steering and transfer cases	●	Pipes, tubes, clamps, valves and hoses*	●
Air intake and exhaust		Damper	●	Suspension	
Air cleaner housing and after coolers	●	Swing gear box	●	Electronic control module	●
Inter coolers	●	Pipes, tubes, clamps and hoses*	●	Suspension cylinders and control valves	●
Turbo charger**	●	Drive line		Suspension control arm assemblies	●
Intake and exhaust manifolds	●	Axles and axle housings	●	Senders, solenoids and sensors	●
EGR valve and cooler	●	Axle mounting and oscillation	●	Pipes, tubes, clamps, valves and hoses*	●
Mufflers**	●	Differentials and final drives	●	Electrical system	
Senders, solenoids and sensors	●	Wheel/rim	●	Gauges and instruments	●
Pipes, tubes, clamps, hoses	●	Drive shaft/axle shaft and universal joints	●	Wiring harnesses	●
Fuel system		Valves	●	Switches	●
Fuel tank assembly and mounting	●	Pipes, tubes, clamps and hoses*	●	Relays and circuit breakers	●
Fuel filter mounts	●	Steering		Start switch	●
Fuel transfer, auxiliary, lift and injection pumps	●	Steering clutch	●	Fuse/circuit breaker panel and circuit board	●
Fuel coolers	●	Steering clutch and brake control valve	●	Monitor panels	●
Injectors**	●	Steering pump and emergency steering pump	●	Komtrax, VHMS and PLM (payload meter)	●
Fuel manifolds/valves	●	Steering oil cooler	●	Electronic controllers	●
Senders, solenoids and sensors	●	Steering valves	●	Air intake heaters and glow plugs	●
Pipes, tubes, clamps and hoses*	●	Steering box	●	Senders, solenoids and sensors	●
Engine mount		Steering linkage, column and console	●	Frames, structures and linkages	
AC compressor/condenser	●	Tie rod	●	Boom/arm	●
Alternator** and starter	●	Senders, solenoids and sensors	●	Bell crank and Z-bar on wheel loaders	●
Damper and vibration damper	●	Pipes, tubes, clamps and hoses*	●	Carbody	●
Power take off	●	Braking system		Steel frame (front, rear, sub)/revolving frame	●
Belt tensioner**	●	Brake primary and secondary cylinders	●	Steel of outrigger on backhoe loaders	●
Flywheel and flywheel housing	●	Brake pump and emergency brake pump	●	Motor grader circle	●
Heat shielding and framework	●	Wet brake assemblies	●	Undercarriage	
Transmission	●	Brake oil cooler assemblies	●	Bogie assemblies	●
Senders, solenoids and sensors	●	Brake oil cooler fan, pump and motor	●	Equalizer bar	●
Electronic control modules	●	Brake caliper	●	HIC assemblies	●
Engine wiring harness	●	Accumulators	●	Pivot shaft assembly	●
Aftertreatment system		Tanks and reservoirs	●	Recoil springs	●
KDPF assembly**	●	Electronic control modules	●	Track adjusters	●
HC and DEF dosing nozzles**	●	Senders, solenoids and sensors	●	Track roller frame	●
SCR assembly	●	Pipes, tubes, clamps, valves and hoses*	●	Hybrid systems	
KCCV assembly	●	Cooling system		Capacitor/inverter	●
Senders, solenoids and sensors	●	Radiator	●	Generator/motor	●
Pipes, tubes, clamps and hoses*	●	Expansion tank	●	Hybrid controller	●
DEF mixing tube	●	Thermostat**	●	Lubrication pump	●
Other DEF system related		Cooling fan, fan drive and shrouding	●	Radiator	●
Tank	●	Water pump**	●	Swing motor	●
Heater, pump and tank heater valve	●	Senders, solenoids and sensors	●	Water pump**	●
Pump controller	●	Pipes, tubes, clamps, valves and hoses*	●	Wiring harness	●
Senders, solenoids and sensors	●	Hydraulic systems		intelligent Machine Control system	
Pipes, tubes, clamps and hoses*	●	Non-propulsion hydraulic pumps and motors	●	GNSS and GPS antenna(s), GNSS receiver/controller, GNSS	●
Power transmitting system		Hydraulic cylinders	●	Control box and ICT controller	●
Transmission		Hydraulic valve and controls	●	IB monitor	●
Transmission and torque converters	●	Electronic control modules	●	Sensors and encoders	●

Premier coverage type includes items in addition to the above list and is subject to the limitation listed in Section 2 of this agreement.

* Indicates coverage for 24 months/4,000 hours

** Indicates coverage through the first 5,000 hours

Komatsu Care Plus II terms and conditions

Agreement coverage:

- a. Subject to the terms and conditions below, authorized Distributors will provide Komatsu genuine parts, labor and other services required to properly execute maintenance activities outlined in "Covered Items."
- b. The Machine will be eligible for this coverage starting at _____ SMR hours (MM/DD/YYYY) and expiring the earlier of the date when the Machine has accumulated _____ SMR hours or _____ MM/DD/YYYY. The phrase "SMR hours" represents the engine run time for the Machine and is measured using the hour meter or monitor panel installed in the Machine's operator cab.

Terms and conditions:

- a. It is the responsibility of the nearest servicing branch within distributor's territory to the location of set machine to perform outlined maintenance service in accordance to the machine model specific reimbursement policy letter for appropriate service maintenance interval. Distributor should notify customer of planned service date minimum of 72 hours in advance via MyKomatsu.com, e-mail or other communication platform.
- b. It is the responsibility of the customer to confirm scheduled date and relinquish set machine for maintenance and/or repair upon arrival of distributor personnel. If the customer has a conflict on scheduled date, he/she must notify servicing distributor to perform services on a different date so long as it is done in a timely manner and follows the nature of these agreement.
- c. Relinquish machine to servicing distributor in a timely manner after failure has occurred to execute appropriate repairs. Relinquish machine for scheduled maintenance at designated interval hours for maintenance by servicing distributor. Failure to do so can result in additional charges for technician labor time or travel for a second trip to machine. Failure to repair machine promptly after machine failure was identified, can result in original or consequential failures not being covered.
- d. Customer is to have machine available for distributor personnel in reasonable cleanliness conditions as to allow the technician to properly execute tasks. The machine is to be set in a safe working environment that allows access to perform services.
- e. Customer should receive results of oil analysis, 50-point inspection, and MyKomatsu.com service completion after the execution of every maintenance service.
- f. All service records are maintained by the Komatsu and made available for distribution to share with designated customers via the My Komatsu or Komatsu Care Report.

Maintenance

Exclusions and limitations:

- a. Machine parts that are not procured from Komatsu or an authorized distributor.
- b. Machine attachments, optional extras and other work equipment such as buckets, dump bodies, blades, and associated wear packages such as teeth, cutting edges, and liners.
- c. Operating expenses on Covered Items required to keep the Machine in good operating condition and repair, including by way of example but not limitation:
 - i. System adjustments.
 - ii. Cleaning and calibration/re-calibration of intelligent Machine Control components.
 - iii. Hardware, Software or Firmware updates.
 - iv. Cosmetic damage that does not impact product functionality.
 - v. Application based maintenance that requires a higher frequency of filter/oil/lubricant replacement than what is listed in "Covered Items."
- d. Service coverage is provided nationally based on country of machine sale. Machines migrating outside of selling country are not eligible to be serviced by any other distributor under this program.
- e. All maintenance services must be completed within +/- 200 hours of the target service interval to qualify for Komatsu reimbursement. Failure to complete set maintenance service according to these conditions will result as a loss of set service interval, following service intervals will resume as scheduled afterwards. Example: 500-hour maintenance service must be completed within 300-700 SMR as reported by Komtrax. However, in order to qualify for program benefits such as, but not limited to **Major Component Assurance, Komatsu Certified Equipment**, all maintenance services must be completed within +/- 100 hours of set interval.

Repairs

Exclusions and limitations:

- a. Repairs or replacements of:
 - i. Hose and tube flange O-rings and gaskets.
 - ii. Hoses after the Machine has been in service for 24 months or 4,000 SMR hours.
 - iii. Hydraulic cylinder packing replacements after the Machine has been in service for 5,000 SMR hours.
 - iv. Starters, alternators, thermostats, belt tensioners, injectors, turbochargers, KDPF, HC and DEF dosing nozzles, and water pumps after the Machine has been in service for 5,000 SMR hours.
 - v. Covered Items that are worn because of use. Examples of wear resulting from use would include, by way of example but not limitation, oil consumption and high blow by pressure on engines, hydraulic cylinder seal leaks, wear of clutch or brake packs, pins or bushings, etc.
 - vi. Machine parts that are not procured from Komatsu or an authorized distributor.
 - vii. Machine attachments, optional extras and other work equipment such as buckets, dump bodies, blades, and associated wear packages such as teeth, cutting edges, and liners.
 - viii. Any Machine part or component not specifically included within the scope of the Coverage Type, unless otherwise noted.
- b. Operating expenses on Covered Items required to keep the Machine in good operating condition and repair, including by way of example but not limitation:
 - i. System adjustments.
 - ii. Cleaning and calibration/recalibration of intelligent Machine Control components (unless recalibration is required due to the repair or replacement of a covered intelligent Machine Control component).
 - iii. Hardware, Software or Firmware updates.
 - iv. Cosmetic damage that does not impact product functionality.



Komatsu Care Plus II

Extended maintenance and repair

- v. As needed maintenance items such as repairs or replacements of mounting hardware, including bolts, nuts, pins, bushings, and bearings, paint, windshield wiper blades, seat belt assemblies, air cleaners, belts, light bulbs, batteries, cables, fuses, tires, track link assemblies, track shoes, idlers, rollers, sprockets, rock guards and deflectors.
- vi. Cost of carrying out scheduled structural inspections that are required to maintain coverage for certain Covered Items for Frame and Boom and Arm Coverage Types. If you wish to perform these inspections yourself, please obtain a copy of the Distributor Inspection Worksheet from your local Komatsu Distributor.
- c. Machine or Covered Item failures resulting from:
 - i. Operating the Machine outside the guidelines specified in O&M Manual.
 - ii. Operating the Machine outside of the parameters specified in the Machine specific Payload Policy or other notices or letters from Distributor or Komatsu.
 - iii. Noncompliance with the maintenance schedule and procedure outlined in the Machine's O&M manual.
 - iv. Fuel, lubricant or coolant contamination from any source.
 - v. Continuing to operate the machine when KOWA reports or the Machine monitor panel, Komtrax Plus, Komtrax, PLM or any other systems ("Machine Monitoring Systems") show critical errors, indicate that components are compromised by failures or are performing below specifications, or when the Distributor has requested that components be repaired or removed from the Machine because of an impending failure, manufacturer authorized field campaign or other good cause.
 - vi. Improper Machine storage procedures.
 - vii. Incomplete or faulty repair procedures on previous repairs completed by any person other than Distributor.
 - viii. Improper initialization procedures during Machine commissioning if the commissioning process was carried out by any person other than Distributor.
 - ix. Machine attachments options, accessories, modifications, or work equipment not authorized in O&M Manual and other materials published by Komatsu for distributors and customers or otherwise approved in writing and signed by an engineering officer of Komatsu.
 - x. Work site hazards or falling objects.
 - xi. Fire, accidents, vandalism, theft, acts of terrorism or war, acts of nature or other causes beyond the direct control of Distributor.
 - xii. Misuse, misapplication, negligence or other misconduct on the part of Customer or any other person.
- d. Customer may be responsible for paying for the following specific expenses related to repairs on Covered Items:
 - i. Transporting the Machine to a Distributor facility for completion of a covered repair and transporting the Machine back to the Machine's work location after completion of the covered repair.
 - ii. Overtime labor charges incurred at the request of Customer to complete repairs outside of the Distributor's normal working hours.
 - iii. Additional services performed at the Customer's request outside the scope of the Coverage Time, including, by way of example but not limitation, replacing parts and components outside such scope during performing a repair on a Covered Item.

Customer responsibilities: The obligations of Distributor under this Agreement are subject to and conditioned by the Customer's timely performance of the following, at their own expense:

- a. Operate, maintain, store, repair and otherwise use the Machine per the guidelines specified in the O&M Manual, Machine specific Payload Policy and all other notices or letters from Distributor or Komatsu concerning such topics.
- b. Maintain the Machine Monitoring Systems in good operating condition and repair.
- c. Notify Distributor promptly in the event of failure of a Covered Item. If the Machine is located outside of the Distributor territory at the time of a Covered Item failure, Customer can contact the local Komatsu distributor to carry out the covered repair.

Distributor responsibilities:

- a. Distributor will exercise commercially reasonable efforts to respond promptly to any Customer requests and questions related to this Agreement.
- b. Distributor will carry out covered maintenance services during normal Distributor working hours.
- c. All program coverages follow the spirit and guidelines outlined in Komatsu Service Policy and Procedure Manual.

Agreement transferability:

This Agreement is specific to the Machine listed in Section 1. Customer may not assign its right under this Agreement. This maintenance Agreement is transferrable with machine in the case of change in machine ownership. The unit under changed ownership is eligible to all the services outlined under original contract with no additional costs. Length and duration of Komatsu Care Plus II will follow as originally listed.

Agreement limitation of liability:

Except as expressly provided in this Agreement and in any written warranty certificate delivered by Distributor to Customer in connection with a purchase, Distributor does not make any representations or warranties, expressed, implied, arising by operation of law or otherwise, as to merchantability, fitness for a particular purpose, quality, design, condition, suitability, performance or any other matter or characteristic with respect to the Machine and any related attachments, options, accessories, modifications or work equipment. For any failure within the scope of the Coverage Type, Customer agrees that its sole and exclusive remedy will be for Distributor to perform the required repair. Distributor will not be liable under any circumstance to Customer for, and Customer waives and releases Distributor from all claims and liabilities for, any general, special, incidental, punitive, consequential, exemplary or any other damages of whatever kind or nature suffered or incurred by consignee, directly or indirectly, actual or alleged, whether arising in tort or in contract or otherwise, related to or arising out of this Agreement and the Machines and any related attachments, options, accessories, modifications or work equipment.

Agreed to by Customer and Distributor as of the Effective Date.

Distributor:

By _____

Name _____

Title _____

Customer:

By _____

Name _____

Title _____

EXHIBIT S

State Contract ID # _____

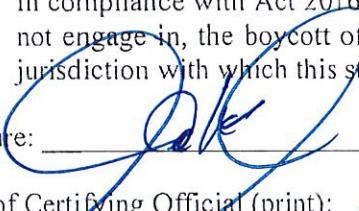
Federal-Aid Project # _____

State Alabama _____

CERTIFICATE OF COMPLIANCE WITH ACT 2016-312

I, the undersigned, certify to the State of Alabama as follows:

- a. I am authorized to provide representations set out in this Certificate as the official and binding act of the Contractor, and have knowledge of Alabama's Act 2016-312.
- b. In compliance with Act 2016-312, the Contractor is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state can enjoy open trade.

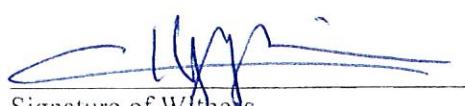
*Signature: 

*Name of Certifying Official (print): James W. Steeple, Jr.

*Title: SVP/CFO

Date of Certification (mm/dd/yyyy): 11-17-2025

The above Certification was signed in my presence by the person whose name appears above on this 17 day of NOVEMBER, 20 25.


Signature of Witness

ANDREW S. HUGGINS

Printed Name of Witness



***State of Alabama
Department of Revenue***

Certificate of Compliance

Tractor & Equipment Company is found to be in compliance for purposes of the issuance of a Certificate of Compliance from the Alabama Department of Revenue. An examination of the Alabama Department of Revenue's records for the following accounts: Corporate Income, Excise, Pass Through Entity, Business Privilege, Business & License Tax, Withholding, International Fuel Tax Agreement, International Registration Plan, and Sales and Use Tax, reveals that the aforementioned taxpayer/entity has filed all applicable tax returns and paid the tax or taxes, interest amounts, and any penalties that were reported due for all tax returns, assessments, and/or audit liabilities that were owed, as of November 17, 2025. No representation is made as to the accuracy of the amounts reported. Like all taxpayers, this taxpayer is subject to audit and billing for additional amounts for periods within the statute of limitations.

*IN WITNESS WHEREOF, I hereunto set my hand this
date of November 17, 2025.*

A handwritten signature in black ink, appearing to read "Wanda J. Re".

Disclosure Officer

**Phone: 334-242-1189
Fax: 334-242-1030**

Request Date: November 17, 2025
Request Code: 25111710048790



Company ID Number:571783

Client Company ID Number:1453697



Information Required for the E-Verify Program

Information relating to your Company:

Company Name	Tractor & Equipment Co Inc
Company Facility Address	5336 Messer Airport Highway Birmingham, AL 35212
Company Alternate Address	PO Box 12326 Birmingham, AL 35202
County or Parish	Jefferson
Employer Identification Number	63-0211767
North American Industry Classification Systems Code	Merchant Wholesalers, Durable Goods (423)
Parent Company	
Number of Employees	500 to 999
Number of Sites Verified for	22