KOMATSU®

D39EXi-23
D39PXi-23

Tier 4 Interim Engine

D39i

NET HORSEPOWER
105 HP @ 2200rpm
78 kW @ 2200rpm

OPERATING WEIGHT
D39EXi-23 9490 kg **20,922 lb**
D39PXi-23 9910 kg **21,848 lb**

BLADE CAPACITY
2.50–2.78 yd³
1.91–2.13 m³

PHOTOS MAY INCLUDE OPTIONAL EQUIPMENT

intelligent MACHINE CONTROL™

INTRODUCING THE D39i-23

Komatsu D37PX-23 With Typical Aftermarket Machine Control System

We've Made Great, Greater

Customer Driven Solutions, For Your Machine Control Needs

Introducing The Next Generation Of Machine Control

>> D39EXi-23

>> D39PXi-23

Innovative

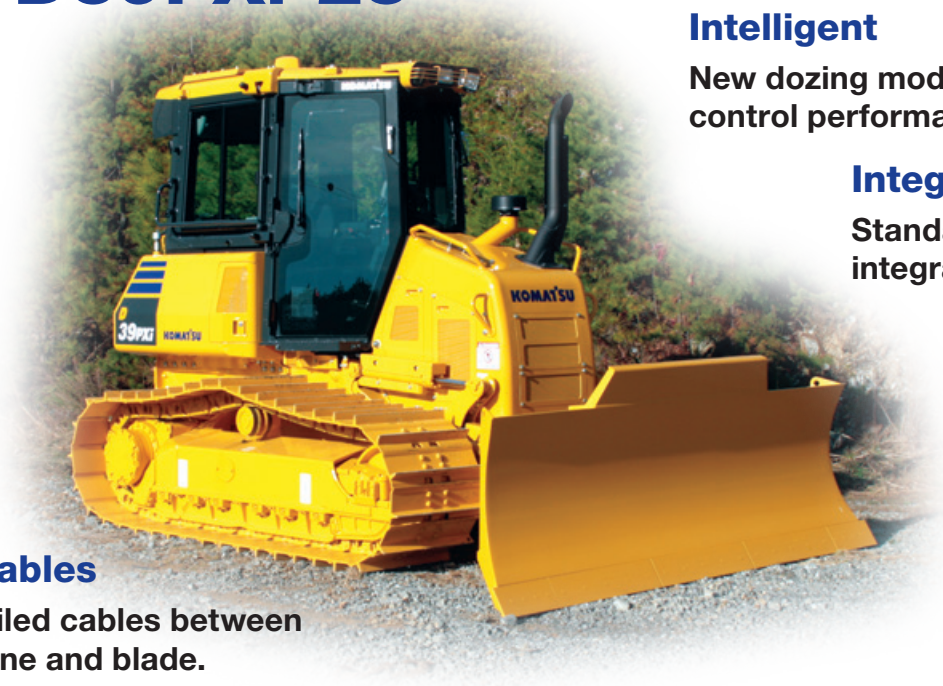
Automated operation from rough dozing to finish grade.

Intelligent

New dozing mode, load control performance features.

Integrated

Standard factory installed integrated system.



No Cables

No coiled cables between machine and blade.

No Climbing

GNSS antenna and mast removed from blade.

No Connections

No daily connections required between machine and blade.

Photos may include optional equipment.

NET HORSEPOWER	OPERATING WEIGHT		BLADE CAPACITY	
78 kW @ 2200 rpm	D39EXi-23	9490 kg **20,922 lb**	**Power Angle Tilt Dozer**	
105 HP @ 2200 rpm	D39PXi-23	9910 kg **21,848 lb**	D39EXi-23	2.21 m³ **2.89 yd³**
			D39PXi-23	2.40 m³ **3.14 yd³**

intelligent MACHINE CONTROL™

INNOVATIVE. INTEGRATED. INTELLIGENT.

Standard Intelligent Machine Control
Standard factory installed integrated 3D GNSS intelligent machine control system.

Improved Machine Control
Up to 9% more efficient dozer operation than comparable aftermarket machine control systems in start to finish grading tests.

Factory Installed Machine Control Components
Machine control components are factory installed and designed as an integral part of the base machine for improved durability.

Komatsu Quality
Machine control components and system validated to Komatsu's rigorous quality & 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 multi-color customizable display.

3D GNSS Machine Control Standard
All on-machine components standard including control box, GNSS receiver/ radio, GNSS antenna, and enhanced inertial measurement unit sensor.

Finish Grade Performance
Enhanced sensor package and intelligent logic provides for finish grade accuracy in an integrated system without traditional blade mounted sensors.

Stroke Sensing Hydraulic Cylinders
Robust stroke sensing hydraulic cylinders employee proven Komatsu sensor technologies for accurate finish grade performance.

Enhanced Inertial Measurement Unit (IMU+)
Chassis mounted enhanced inertial measurement unit (IMU+) and intelligent logic provides for finish grade accuracy without blade mounted sensors.

Cab Top GNSS Antenna
No blade mounted GPS antennas, cables to worry about damaging with cab top GNSS antenna.

Automatic Dozing From Start To Finish
Load control intelligence controls blade elevation to 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 are able to select between 4 distinct machine control operating modes to optimize 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.

KOMTRAX®

Komtrax equipped machines can send location, SMR and operation maps to a secure website utilizing wireless technology. Machines also relay error codes, cautions, maintenance items, fuel levels, and much more.

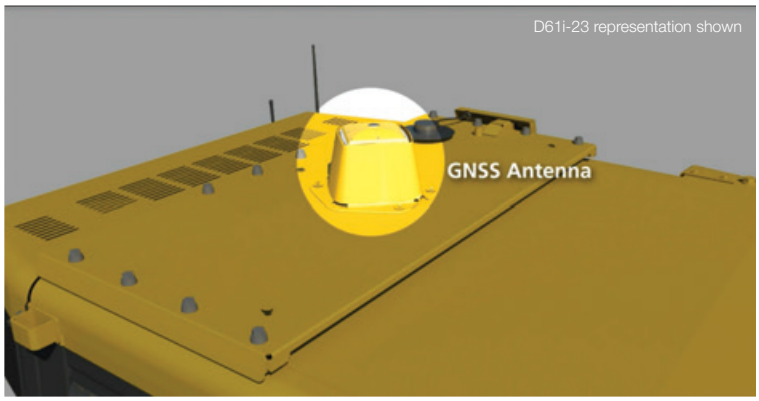
INTELLIGENT MACHINE CONTROL

Factory Integrated Sensor Package

Typical blade mounted components are replaced with factory installed cab top GNSS antenna, enhanced inertial measurement unit (IMU+), and stroke sensing hydraulic cylinders. Komatsu durability & quality with factory installation, integration.

Cab Top GNSS Antenna

No blade mounted GNSS antenna(s), cables to worry about damaging with cab top GNSS antenna. Reduced risk of theft due to low visibility as viewed from ground level.

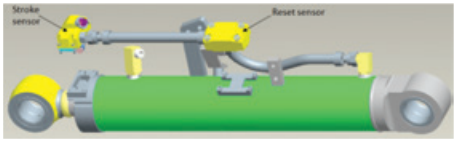


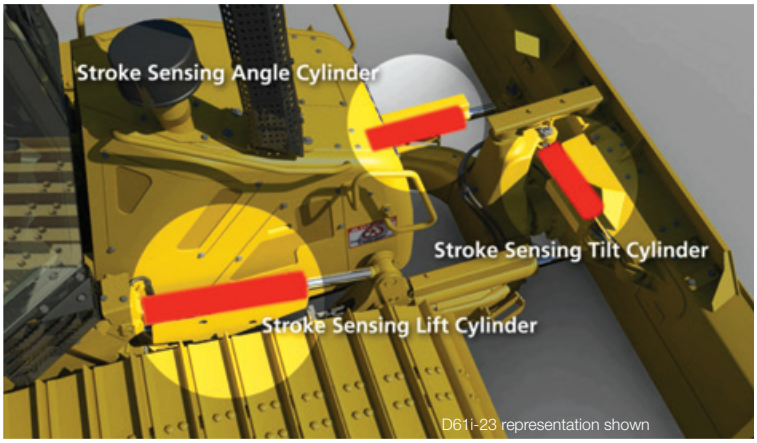
Enhanced Inertial Measurement Unit (IMU+)

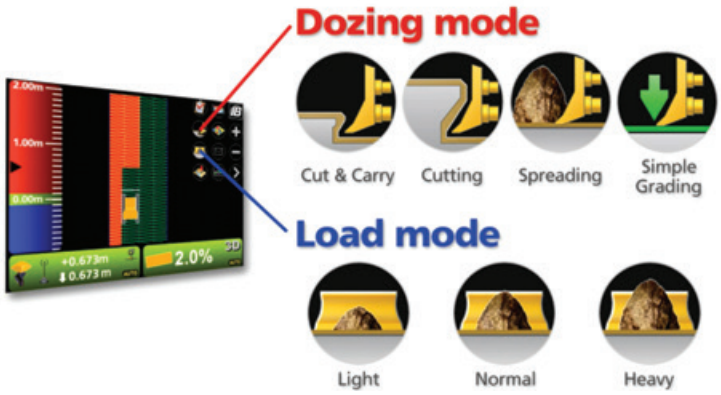
Chassis mounted enhanced inertial measurement unit (IMU+) and intelligent logic provides for finish grade accuracy without blade mounted sensors. Positional updates up to 100Hz.

Stroke Sensing Hydraulic Cylinders

Robust stroke sensing hydraulic cylinders employ proven Komatsu sensor technologies for accurate finish grade performance. Stroke sensing angle cylinder allows machine control system to know the angle of the blade.





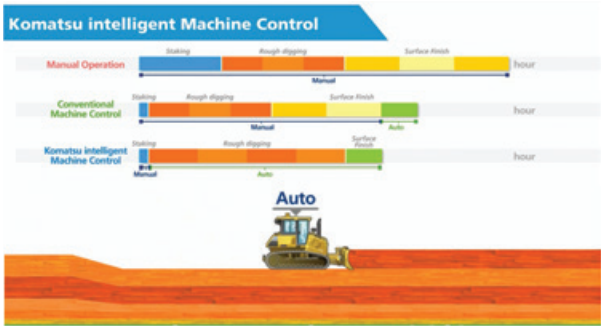


Operator Selectable Load Settings

Machine control load settings can be adjusted between presets to tailor response to material conditions. From dry loose sandy soils to wet heavy clay materials, system performance can be targeted accordingly.

Improved Machine Control Efficiency

Up to 9% more efficient dozer operation than typical aftermarket machine control systems with Komatsu's intelligent machine control. This is on top of already large time savings that standard machine control offers over manual staking & grading.



As-Built Surface Track Mapping

Cab top GNSS antenna provides for accurate as-built surface data collection by measuring actual elevations as machine continuously tracks in operation. Progress can be measured in real time with operator selectable settings.

Standard Touch Screen Control Box

Factory installed and features simple, easy to use operator interface. Mounted high for excellent visibility, viewing angle is adjustable per operator preference.

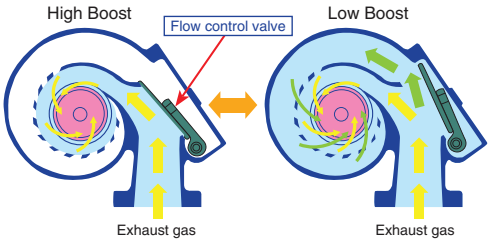
PRODUCTIVITY & ECOLOGY FEATURES

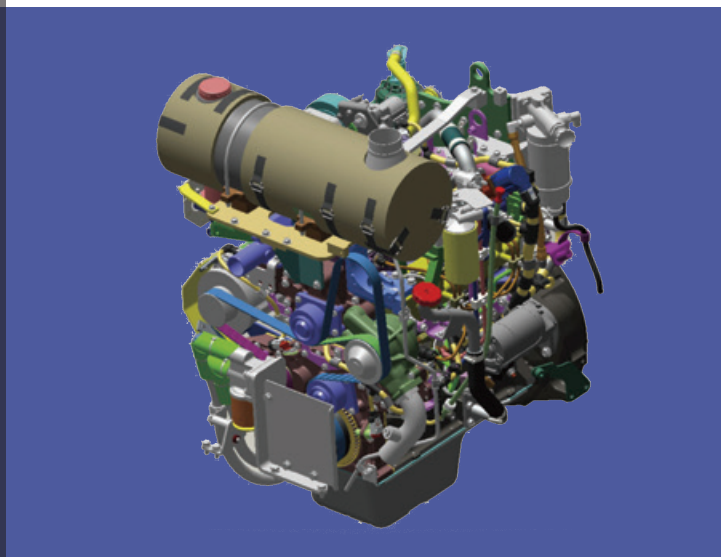
Environment-Friendly Engine

The Komatsu SAA4D95LE-6 engine is EPA Tier 4 Interim and EU Stage 3B emissions certified and provides exceptional performance while reducing fuel consumption. Based on Komatsu proprietary technologies developed over many years, this new diesel engine reduces exhaust gas particulate matter (PM) by more than 90% and nitrogen oxide (NOx) by more than 45%, compared to Tier 3 levels. Through the in-house development and production of engines, electronics, and hydraulic components, Komatsu has achieved great advancements in technology providing high levels of performance and efficiency in virtually all applications.

Newly designed Variable Flow Turbocharger (VFT)

A newly designed variable flow turbocharger features simple and reliable technology that varies the intake airflow. Exhaust turbine wheel speed is controlled by flow control valve and it enables to deliver optimum air quantity to the engine combustion chamber under all speed and load conditions. The result is cleaner exhaust gas while maintaining power and performance..



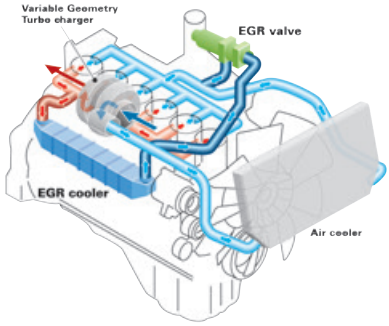


Advanced Electronic Control System

The engine control system has been upgraded to effectively manage a variety of parameters such as the air flow rate, EGR gas flow rate, fuel injection parameters, and aftertreatment functions. The new control system also provides enhanced diagnostic capabilities.

Cooled Exhaust Gas Recirculation (EGR)

Cooled EGR, a technology that has been well proven in Komatsu Tier 3 engines, reduces NOx emission to meet Tier 4 levels. The EGR system has increased capacity and uses larger and more robust components to ensure reliability for demanding work conditions.



Redesigned combustion chamber

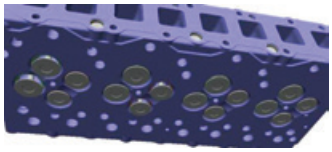
The combustion chamber has a new shape designed to improve combustion and further reduce NOx, PM, fuel consumption, and noise levels.

Closed Crankcase Ventilation (CCV)

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

New 16 valve cylinder head

4 valves per cylinder maximizes air intake quantity and optimizes fuel combustion.



High efficiency fuel filter

A new high efficiency fuel filter improves fuel system reliability. The dual-type filter offers twice the filtration capacity.

Fuel consumption decreased by up to 10% P mode

(Compared with the D39-22)

Fuel consumption decreased by up to 20% E mode

(Compared with the D39-22)

New HST Technology

The D39i-23 incorporates new proprietary engine and hydrostatic transmission pump control technology to improve operational efficiency and reduce fuel consumption to levels lower than a conventional HST control system can obtain. This Komatsu exclusive feature reduces fuel consumption by up to 10% in P mode in demanding working conditions and up to 20% in E mode under lighter load conditions as compared to the prior model.

Powerful turns under various work conditions are achieved with the new HST transmission, even under load. Counter-rotation is available for minimum turning radius, providing excellent maneuverability in tight spots.

Variable and New Customizable Quickshift Modes

The D39i-23 offers two gearshift modes: Variable and the new Customizable Quick shift. Variable shift mode provides 20 incremental speed settings for the operator, while the new Customizable Quick shift provides 3 speed settings; all can be adjusted in the monitor to obtain the right speed for different operator preferences.

Single Pedal (Decelerator/Brake Pedal) to be operated for Speed Control, during Operation

Machine operation becomes simple because brake function has been integrated into decelerator pedal. Machine moving speed including/excluding engine speed can be controllable by using only one pedal of decelerator/brake pedal. Operation of pedal function can be changed by the mode selector switch.

Decelerator mode

The pedal can decelerate engine RPMS and vehicle travel speed. Normally can be used for all applications.

Brake mode

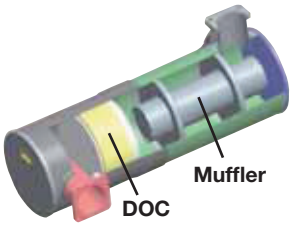
The pedal can decelerate vehicle travel speed, keeping high engine revolution. This mode can be helpful to keep work equipment controllability and/or force, even during braking.

D39-23 representation shown

WORKING ENVIRONMENT

Komatsu Diesel Oxidation Catalyst (KDOC)

The new Komatsu Diesel Oxidation Catalyst (KDOC) has an integrated design that does not interfere with daily operation. This smart and simplified system removes soot using **100% "passive regeneration"** without the need for a Diesel Particulate Filter. The KDOC is a simple design and does not have a scheduled service interval like a DPF and is designed for long life with no scheduled maintenance required. For owners, this means lower Owning and Operating costs due to less complexity and truly seamless operation for the operator.



Selectable Working Mode

Working mode E is for general dozing applications with adequate speed and power while reducing fuel consumption and CO_2. Working mode P is aimed at powerful operation and maximum production. The working mode is easily switched on the monitor panel, depending on the work at hand.

- **E mode (Economy mode)**

  With E mode, the engine outputs enough power for most general dozing applications without delivering unnecessary power. This mode allows for energy-saving operation and is suitable for work on ground where the machine may experience shoe slip or applications not requiring large power such as downhill dozing, leveling and light-load work.

- **P mode (Power mode)**

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

Other Features

Power Angle Tilt (PAT) Dozer With Adjustable Pitch

A Power Angle Tilt dozer blade with highly durable box-structure frame is available for the EX and PX machines. The hydraulic blade tilt and angling functions and manually adjustable blade pitch expand versatility and productivity in a variety of applications. This PAT dozer assembly is tested to stringent test standards.


D39-23 representation shown

Secondary Engine Shutdown Switch

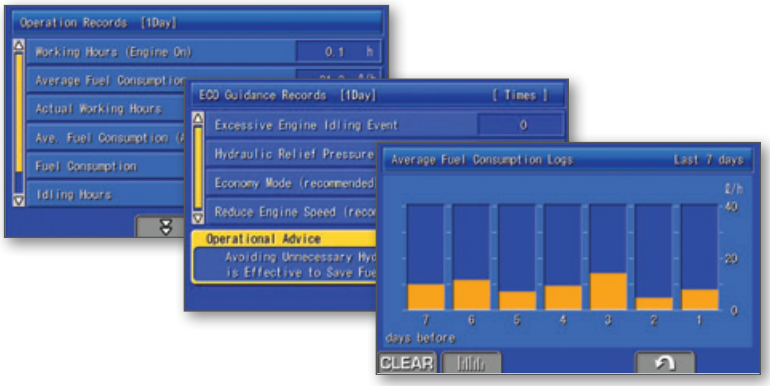
A new secondary switch has been added, at the side of the front console, to shut down the engine.

Ecology Guidance

In order to support optimum operation, the following 4 recommendations are displayed to improve fuel saving operation:

1) Avoid Excessive Engine Idling
2) Use Economy Mode to Save Fuel
3) Avoid Hydraulic Relief Pressure
4) Avoid Overload

The operator can access the ecology guidance menu to check the Operation Records, Ecology Guidance Records, and Average Fuel Consumption logs.



Rear View Monitoring 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.

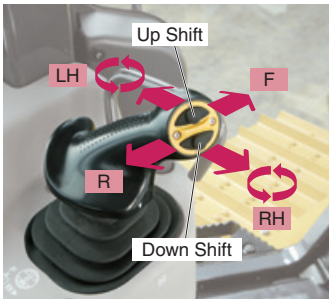
WORKING ENVIRONMENT

New Integrated ROPS Cab

A new design cab; wider, deeper and taller, is integrated with the ROPS. High rigidity and superb sealing performance greatly reduce noise and vibration for the operator and minimize dust entering the cab. Larger glass area improves visibility of the blade, sides, and rear of the machine. Cab meets ROPS and FOPS Level 2 standards.

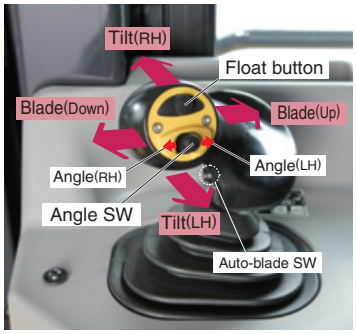
Palm Command Control System (PCCS) Travel Joystick

Palm command travel joystick provides the operator with a relaxed posture and superb fine control. Transmission shifting is simplified with thumb push buttons.



Electronic Controlled Hydraulic System (EPC) Blade Control Joystick

Blade control joystick uses the EPC valve and joystick, similar to the travel control joystick. EPC control combined with the highly reliable Komatsu hydraulic system enables superb fine control. A switch is now used to angle the PAT blade. A button to activate float is also provided.



New Air Suspension Seat

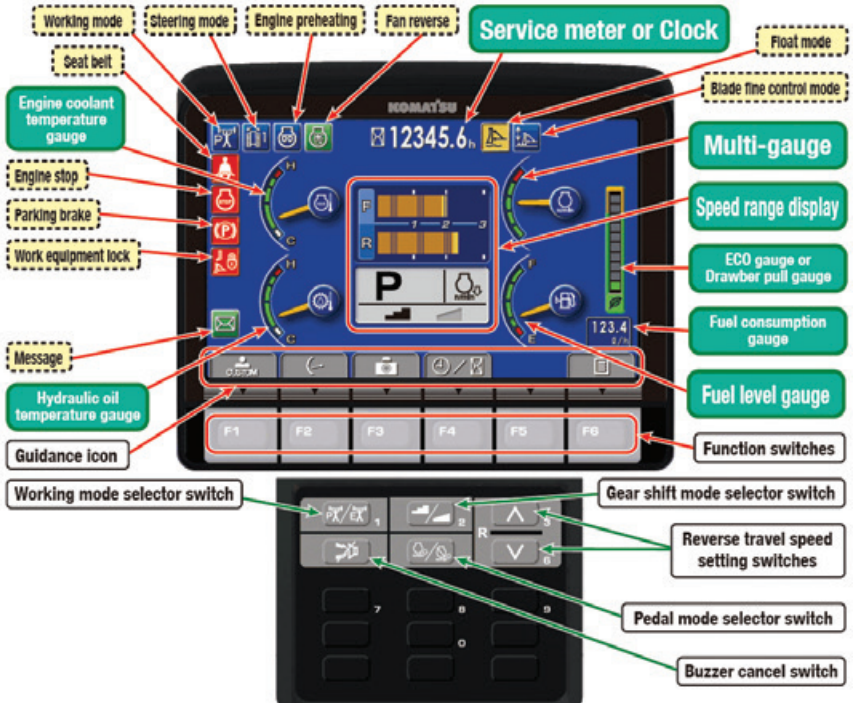
A new higher capacity low-back heated seat with headrest is now standard. The new seat has many adjustments to accomodate different operators comfortably.

Auxiliary Input Jack

By connecting an auxiliary device to this plug input, the operator can hear sound through the speakers installed in the cab.

Large Multi-Lingual LCD Color Monitor

A large user-friendly color monitor enables accurate and smooth work. Excellent screen visibility is achieved by the use of a TFT liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Function keys facilitate multi-function operations. Data can be displayed in 25 languages for local customization.



MAINTENANCE & DURABILITY FEATURES

Planned maintenance is the best way to ensure long service life from your equipment. That's why Komatsu designed the D39 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

Hydraulically-Driven Swing-up Fan

The D39i-23 utilizes a swing-up fan with a gas strut-assisted lift locking system to provide easy access to the (side-by-side) radiator, oil cooler, and charge air cooler. The swing-up feature makes it easier to access cooling cores. The hydraulic fan can rotate in the reverse direction to help remove debris from cooler cores.

Photos may include optional equipment

Daily Checks

All daily checks can be performed efficiently from the left side of the machine.

Photos may include optional equipment

Parallel Link Undercarriage System (PLUS)

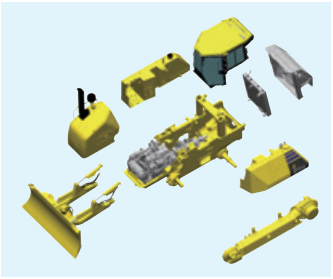
Komatsu's new Parallel Link Undercarriage System (PLUS) provides less downtime plus longer wear life with up to 40% lower undercarriage maintenance costs. Rotating bushings eliminate the cost and downtime for bushing turns, and strengthened rollers and links increase wear life up to two times. With PLUS, individual links can be replaced with common track tools.

Self-Adjusting Idler Support

The self-adjusting idler support provides constant and even tension on idler guide plates reducing noise and vibration and increasing undercarriage life.

Modular Design

One of the design goals behind the creation of the D39i-23 was to manufacture a more durable machine. This was achieved by reducing component complexity and using a strong modular design for increased serviceability and durability. Steel castings reduce the number of welds, improving C-frame rigidity and strength.



Robust Guarding And Attachments

Komatsu offers a full guarding package to help protect your machine and operator in severe applications.

KOMATSU PARTS & SERVICE SUPPORT

Komatsu CARE – Complimentary Scheduled Maintenance

- PM services for the earlier of 3 years / 2000 hours
- Performed by factory certified technicians
- Komatsu Genuine parts and fluids
- Significantly lowers your cost of ownership while maintaining high uptime and reliability
- Increases resale value and provides detailed maintenance records
- Extended PM services can be purchased beyond the complimentary period to provide additional peace of mind and maximize uptime

Komatsu CARE – Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs

Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction

Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH KOMTRAX®

WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **aids in making repair or replacement decisions**

WHEN

- Know when your machines are **running or idling** and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance was done** and help you plan for future maintenance needs

WHERE

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

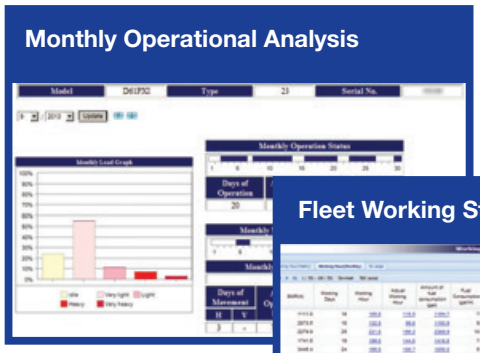
WHO

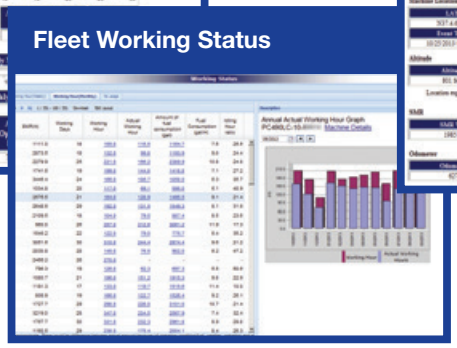
- KOMTRAX is **standard** equipment on all Komatsu construction products

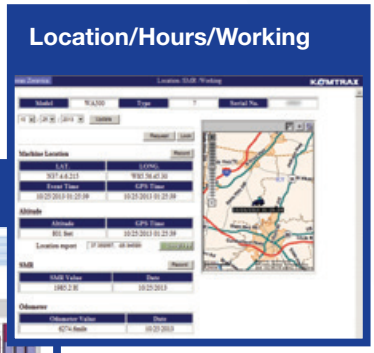
WHY

- Knowledge is power - **make informed decisions** to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- **Take control of your equipment** - any time, anywhere

D39-23 representation shown







KOMTRAX®

For construction and compact equipment.

KOMTRAX Plus™

For production and mining class machines.

SPECIFICATIONS

ENGINE

Model.....Komatsu SAA4D95LE-6*
Type..... 4-cycle, water-cooled, direct injection
Aspiration..... Variable flow turbocharged, air-to-air aftercooled
Number of cylinders..... 4
Bore x stroke..... 95 mm x 115 mm **3.75" x 4.52"**
Piston displacement.....3.26 ltr **199 in³**
Governor.....All-speed, electronic
Horsepower
SAE J1995.....Gross 79 kW **107 HP**
ISO 9249 / SAE J1349.....Net 78 kW **105 HP**
Rated rpm..... 2200 rpm
Fan drive type .....Hydraulic
Lubrication system
Method..... Gear pump, forced lubrication
Filter..... Full-flow

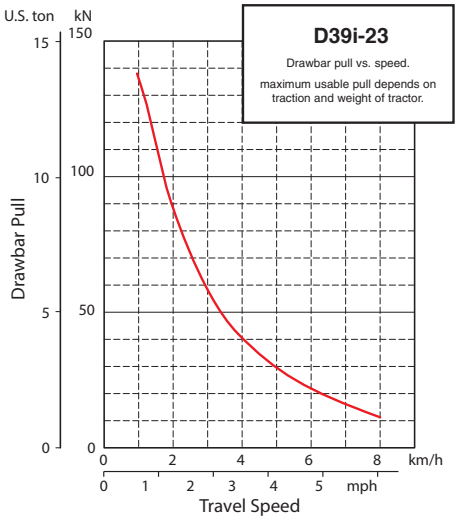
*EPA Tier 4 Interim and EU stage 3B emissions certified

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 optimum 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 reduces risk of damaged by debris. Bolt-on sprocket ring.

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*
D39EXi-23..... 2.2 m **87"**
D39PXi-23..... 2.4 m **94"**

*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 and lubricated track
Track tension is easily adjusted with grease gun.

		D39EXi-23	D39PXi-23 Narrow	D39PXi-23 Wide
Number of track rollers (each side)		6	6	6
Type of shoes (standard)		Single grouser	Single grouser	Single grouser
Number of shoes (each side)		39	39	39
Grouser height	mm **in**	53 **2.1"**	53 **2.1"**	53 **2.1"**
Shoe width (standard)	mm **in**	510 **20"**	635 **25"**	700 **27.5"**
Ground contact area	cm^2	24072	29970	32970
	in^2	**3,731**	**4,645**	**5,110**
Ground pressure (with dozer, ROPS cab)	kPa	38.9	32.6	30
	kgf/cm^2	0.40	0.33	0.31
	psi	**5.64**	**4.73**	**4.35**
Track gauge	mm **ft.in**	1620 **5'4"**	1810 **5'11"**	1810 **5'11"**
Length of track on ground	mm **ft.in**	2360 **7'9"**	2360 **7'9"**	2360 **7'9"**

SERVICE REFILL CAPACITIES

Coolant	34 ltr	**9.0 U.S. gal**
Fuel tank	190 ltr	**50.2 U.S. gal**
Engine oil	11 ltr	**2.9 U.S. gal**
Hydraulic tank	60 ltr	**15.8 U.S. gal**
Final drive (each side)	3.5 ltr	**0.9 U.S. gal**

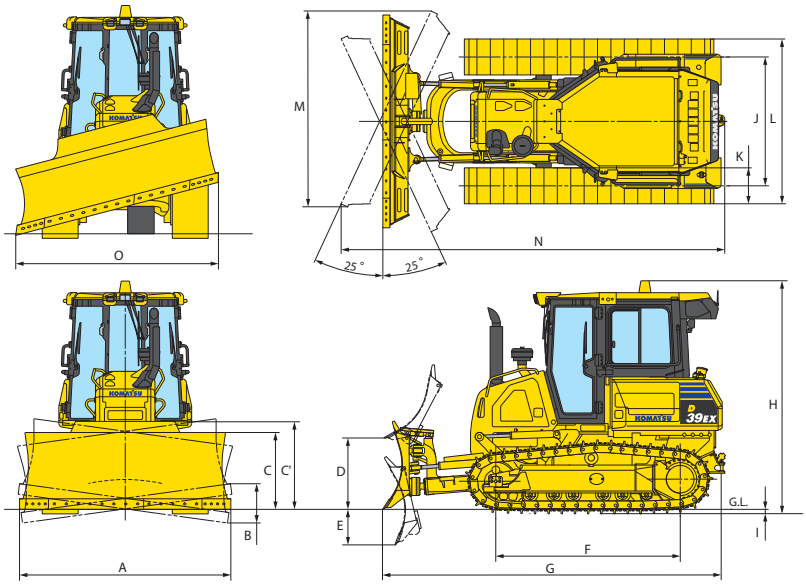
OPERATING WEIGHT (APPROXIMATE)

Tractor weight:
Including ROPS cab, U frame for power angle tilt dozer, rated capacity of lubricant, coolant, full fuel tank, operator, and standard equipment.
D39EXi-23..... 8340 kg **18,387 lb**
D39PXi-23..... 8690 kg **19,158 lb**

Operating weight:
Including Power Angle Tilt dozer, ROPS cab, operator, standard equipment, rated capacity of lubricant, hydraulic control unit, coolant, and full fuel tank.
D39EXi-23.....9490 kg **20,922 lb**
D39PXi-23..... 9910 kg **21,848 lb**

DIMENSIONS

	D39EXi-23		D39PXi-23*		D39PXi-23**	
A	2710 mm	**8'11'**	2980 mm	**9'9'**	3250 mm	**10'8'**
B	365 mm	**14"**	405 mm	**16"**	440 mm	**17"**
C	980 mm	**39"**	920 mm	**36"**	980 mm	**38.5"**
C'	1075 mm	**3'6"**	1047 mm	**3'5"**	1075 mm	**3'6"**
D	910 mm	**3'0"**	920 mm	**3'0"**	920 mm	**3'0"**
E	450 mm	**1'6"**	440 mm	**1'6"**	440 mm	**1'6"**
F	2360 mm	**7'9'**	2360 mm	**7'9'**	2360 mm	**7'9'**
G	4385 mm	**14'5"**	4385 mm	**14'5"**	4385 mm	**14'5"**
H	3015 mm	**9'11"**	3015 mm	**9'11"**	3015 mm	**9'11"**
I	53 mm	**2"**	53 mm	**2"**	53 mm	**2"**
J	1620 mm	**5'4"**	1810 mm	**5'11"**	1810 mm	**5'11"**
K	460 mm	**1'6"**	635 mm	**2'1"**	700 mm	**2'3"**
L	2080 mm	**6'10"**	2445 mm	**8'0"**	2490 mm	**8'2"**
M	2495 mm	**8'2"**	2980 mm	**9'9"**	2990 mm	**9'10"**
N	4910 mm	**16'1"**	4957 mm	**16'3"**	5020 mm	**16'6"**
O	2475 mm	**8'1"**	2870 mm	**9'5"**	2940 mm	**9'8"**



Ground clearance ..... 380 mm **15"**

* Narrow blade, narrow shoe
** Wide blade, wide shoe

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 U.S. gal/min** at rated engine rpm.

Relief valve setting ..... 27.4 MPa 280 kg/cm² **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 **3.1"**

Hydraulic oil capacity (refill):
Power angle tilt dozer ..... 60 ltr **15.9 U.S. 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

Blade capacities are based on the SAE recommended practice J1265.
Use of high tensile strength steel in moldboard for strengthened blade construction.

	Overall Length With Dozer* mm ft.in	Blade Capacity m^3 yd^3	Blade Width x Height mm ft.in	Max. Lift Above Ground mm ft.in	Max. Drop Below Ground mm ft.in	Max. Tilt Adjustment mm ft.in	Blade Angle
D39EXi-23	4385	2.21	2710 x 980	910	440	365	25
Power Angle Tilt Dozer	**14'5"**	**2.89**	**8'11" x 3'3"**	**3'10"**	**1'6"**	**1'3"**	
D39PXi-23	4385	2.40	3250 x 910	910	440	440	25
Power Angle Tilt Dozer	**14'5"**	**3.14**	**10'8" x 3'0"**	**3'10"**	**1'6"**	**1'5"**	
D39PXi-23 PAT	4385	2.22	2980 x 910	910	440	405	25
Narrow Blade	**14'5"**	**2.90**	**9'9" x 3'0"**	**3'10"**	**1'6"**	**1'4"**	

*Including hitch

Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.

STANDARD EQUIPMENT FOR BASE MACHINE*

- Air cleaner, double element with caution lamp on monitor
- Alternator, 60 ampere/24V
- Backup alarm
- Batteries, 92 Ah/2 x 12V
- Battery disconnect switch
- Blade lift cylinders
- Color monitor, LCD
- Decelerator pedal (single pedal)
- Engine hood
- Engine intake centrifugal precleaner
- Engine, swing open side cover
- Engine shutdown secondary switch
- Front pull hook
- Fuel prefilter (10 micron) and fuel filter (2 micron)
- Grease gun holder
- High mount foot rests
- Horn, warning
- Hydraulic driven radiator cooling fan with reverse clean mode
- Intelligent Machine Control
- KOMTRAX® Level 4
- Komatsu Diesel Oxidation Catalyst (KDOC)
- Locks, filler caps and covers
- Muffler with curved exhaust pipe
- Radiator mask, heavy-duty, swing up
- Radiator reserve tank
- ROPS cab**
  - Air conditioner
  - Cab accessories
    - 12V power supply (2 ports)
    - Cup holder
    - Rearview mirror
    - Rear view monitoring (1 camera)
    - AM/FM Radio w/remote AUX plug (3.5 mm)
    - 72 dBA
  - Work lights
    - 3 front, cab mounted
    - 2 rear, cab mounted
- Seat, air suspension, fabric, heated low back, headrest
- Seat belt, 76 mm **3"**, retractable
- Seat belt indicator
- Sealed electrical connectors
- Side by side rear mounted cooling package
- Starting motor, 4.5 kW/24V
- Steering system, hydrostatic
- Track roller guards, center and end sections
- Track shoe assembly
  - Sealed and lubricated
  - 510 mm **20"** single grouser shoe (EX)
  - 635 mm **25"** single grouser shoe (PX)
- Transmission with Variable and Customizable Quickshift
- Transmission, hydrostatic
- Underguards, heavy duty
  - Engine
  - Transmission
- Variable flow turbocharger
- Water separator

* Dozer assembly and rear mounted equipment are not included in base machine standard equipment

** Cab meets ROPS and FOPS Level 2 standards

OPTIONAL EQUIPMENT

- 700 mm **27.5"** grouser with AR link
- Dozer assembly
- Hitch
- Hydraulics for rear equipment
- Track roller guard, full length

Multi-shank ripper (for D39EX)

Weight	470 kg **1,036 lb**
Beam length	1569 mm **62"**
Maximum lift above ground	389 mm **15"**
Maximum digging depth	336 mm **13"**
Number of shanks	3

- 700 mm **27.5"** grouser (PX)(PLUS)

ALLIED MANUFACTURER'S ATTACHMENTS (SHIPPED LOOSE)

- Guarding - Komatsu (Ken Garner)
  - Front sweeps 265 kg **584 lb**
  - Hinged cab side screens 44 kg **97 lb**
  - Hinged cab rear screen 43 kg **95 lb**
  - Rear A/C guard (requires front sweep) 61 kg **134 lb**
  - Poly panel door inserts 41 kg **91 lb**
- Hydraulic winch - Allied H4AT 685 kg **1,510 lb**

AESS857-00

AD11(Electronic View Only) 04/15 (EV-3)

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