KOMATSU

D175AX-10
dozer



Photo may include optional equipment

Engine power
Gross: 452 HP (337 kW) @ 1,900 rpm
Net: 450 HP (336 kW) @ 1,900 rpm

Operating weight
100,310 lbs. (45,500 kg)

Blade capacity (ISO 9246)
Semi-u: 13.9 yd^3 (10.6 m^3)
Full-u: 16.9 yd^3 (12.9 m^3)

A new generation of performance

The next push starts here with a completely redesigned production dozer

The Komatsu D175AX-10 isn't a next-generation production dozer — it's a new generation.

Engineered from the ground up, it helps you move more material, improve efficiency and reduce total cost of ownership. Rather than refining an existing platform, we comprehensively redesigned nearly every major system — including the engine, powertrain, steering, blade, undercarriage and operator environment — to deliver measurable gains in productivity, performance and long-term durability.

Purpose-built for high-production earthmoving, quarry, mining and heavy construction applications, the D175AX-10 combines powerful features with an operator-focused design for more uptime, jobsite efficiency and productivity.



We reimagined what a production dozer can do and engineered the D175AX-10 to help you achieve two key measurable business goals — move more material with greater control and lower your total cost of ownership.

Five ways the D175AX-10 can make a difference in your fleet

1. Move more material

The D175AX-10 combines a new 450 Net HP engine, redesigned semi-u blade with high efficiency end bits and next-generation powertrain to deliver up to 25% greater productivity and up to 15% better fuel efficiency than the D155AX-8, helping maximize production in demanding dozing applications.

2. Keep power at the blade

A new hydrostatic steering system helps maintain pushing power through turns, while multiple steering modes provide the maneuverability needed for side cutting, slot dozing and scraper pushing applications.

3. Reduce operator fatigue and help them stay productive

A smoother ride, quieter cab, enhanced visibility and intuitive controls help reduce operator fatigue and build confidence, supporting consistent productivity throughout long shifts.

4. Reduce downtime with a machine built for more uptime

Extended service intervals for key maintenance items help reduce planned downtime and maintenance costs, allowing the machine to spend more time moving material and less time in the shop.

5. Lower your TCO and decrease lifetime costs

Improved fuel efficiency, longer maintenance intervals and durable, long-life components help reduce operating costs while delivering greater value over the life of the machine.

Photo may include optional equipment

Performance by the numbers

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Semi-u: 13.9 yd^3 (10.6 m^3)
Full-u: 16.9 yd^3 (12.9 m^3)

Power*

Drawbar pull	Up to **18% increase**

*average

In slot dozing**

Production	Up to **25% increase**
Fuel efficiency	Up to **15% increase**

**compared with D155AX-8

In curved dozing**

Production	Up to **19% increase**
Fuel efficiency	Up to **4% increase**

**compared with D155AX-8

Turning force**	Up to **17% increase**

**compared with D155AX-8





More work. Less downtime.

Feature snapshot: Behind the D175AX-10's performance is a comprehensive redesign of virtually every major system. Here's an at-a-glance breakdown of key features and innovations that help deliver more work with greater efficiency, reliability and operator confidence.

Move more material

Engineered to maximize production in demanding dozing applications.

- Exceptional power
- High-efficiency, large-capacity semi-u blade
- Outstanding steering performance

Keep operators productive

Designed to improve ride quality, comfort and machine control throughout the workday.

- Equalizer bar shoulder pads
- New cab damper mount
- New 8-roller track frames
- Retuned k-bogie suspension

Work with greater control

Advanced machine controls help operators maintain productivity with less effort.

- Adaptive powertrain and steering control
- Neutral auto brake
- Track shoe slip control mode
- Multi-stage speed control
- Blade auto pitch (dual tilt machines only) and ripper auto functions
- Clear visibility and intuitive controls

Power through demanding applications

A next-generation powertrain delivers the performance and reliability needed for production dozing.

- Komatsu DBA127 engine
- Extended maintenance intervals
- Delayed engine shutdown

Stay comfortable throughout the shift

An operator-focused cab helps reduce fatigue and improve confidence.

- 8-inch touchscreen monitor
- PCCS joystick controls
- Fingertip ripper control
- Adjustable operating position
- Air-conditioned cab
- Expanded storage and accessory options

Maximize uptime

Designed to simplify service and reduce maintenance costs.

- Centralized maintenance points
- Easy-to-clean cooling system
- Reinforced main frame
- New mono blade linkage
- Reduced maintenance costs
- Fluid level check function

Help protect your crew

Safety features help improve awareness on the jobsite and around the machine.

- KomVision
- Easy machine access designed with operator safety in mind
- Ground-level battery disconnect switch
- LED work lights
- LED beacon
- Operator presence sensing system
- Seat belt reminder system

Power and productivity without compromise

The D175AX-10 was engineered from the ground up to move more material with every pass. A new 450 net HP Komatsu DBA127 engine, redesigned 4-speed transmission and high-capacity semi-u blade work together to deliver faster cycle times, greater fuel efficiency and the confidence to tackle demanding production dozing applications.

Move more material, using less fuel

Compared to the D155AX-8, the D175AX-10 delivers measurable gains where they matter most.

In slot dozing*

Production	Up to **25% increase**
Fuel efficiency	Up to **15% increase**

*compared with D155AX-8

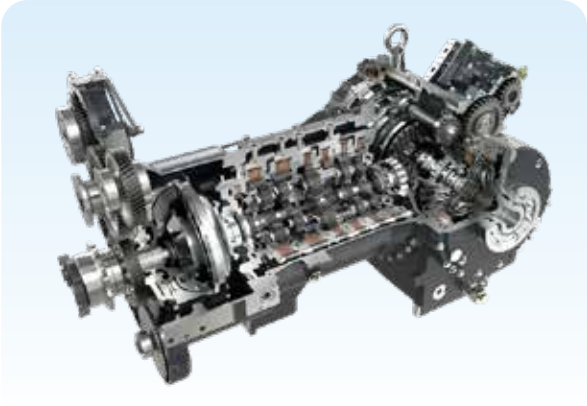
In curved dozing*

Production	Up to **19% increase**
Fuel efficiency	Up to **4% increase**

*compared with D155AX-8

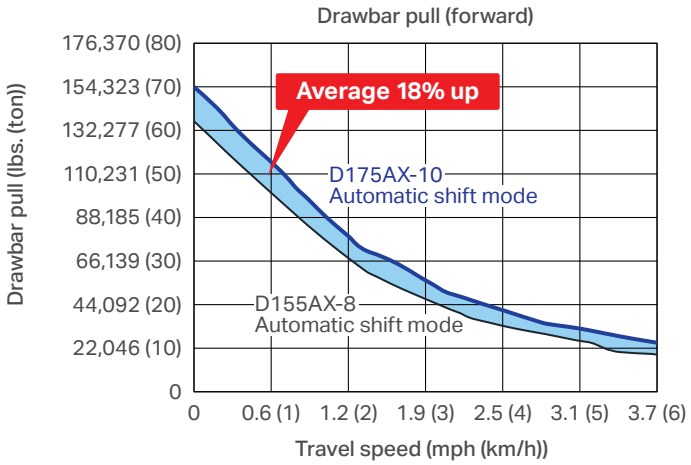
New 4-speed transmission

A redesigned 4-speed transmission with a lock-up clutch improves power transfer and fuel efficiency by minimizing drivetrain losses. New intermediate gear ratios provide smoother shifting, better control and optimized performance across a wider operating range. The addition of 1.5-speed and a faster 2.0-speed provides smoother shifting and greater control for high-output tasks.



Exceptional power

More power means more work accomplished. With an average 18% increase in drawbar pull, the D175AX-10 delivers stronger pushing performance to help maintain productivity in challenging ground conditions.



Engineered to keep power at the blade

The D175AX-10 was designed to maintain pushing performance through every turn. A redesigned semi-u blade, new hydrostatic steering system and intelligent power management help operators move more material with greater precision and control.

High-capacity semi-u blade*

The newly developed semi-u blade increases capacity by 13% while reducing digging resistance. The result is improved load retention, smoother material flow and greater productivity with every pass.



Blade capacity*

13.9 yd³ (10.6 m³)	**From 12.3 yd³ (9.4 m³)**

*Based on Komatsu in-house testing comparing the D175AX-10 to the D155AX-8. Average reflects mean results across standardized test protocols. Actual performance will vary.

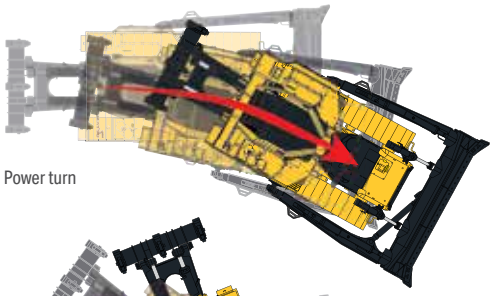
A blade that fills more easily and carries material more efficiently can reduce the number of passes required to move material, improving productivity and lowering cost per cubic yard.

Outstanding steering performance

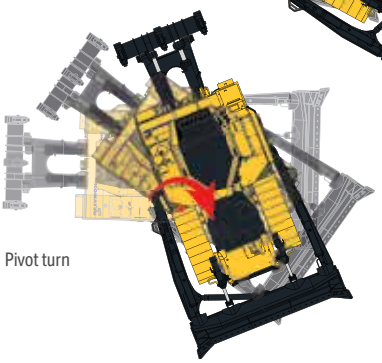
The new hydrostatic steering system gives operators the flexibility and maneuverability needed for demanding production work. Power Turn gives operators the ability to maintain blade load and is effective in side cutting operations. Pivot Turn helps operators make tighter turns and work effectively while slot dozing.

- **Dedicated steering pump** provides quick response and powerful turning, even during heavy blade operation. This system enhances maneuverability and maintains productivity under demanding conditions.
- **Engine power** boost for an average of 7% more power during turning.
- **Power** management **for steering and implements** monitors operator commands and system loads, then automatically balances engine power between steering and implement systems to maintain smooth operation and productivity, even under simultaneous high-demand conditions.

New Hydrostatic Steering System (HSS) incorporates a steering clutch, enabling pivot-turn capability. Electronic control of the clutch and brake ensures safe pivot-turns even on slopes. The HSS motor enables high-speed pivot turns while suppressing track slippage to maintain stability.



Power turn



Pivot turn

Maintaining pushing power while maneuvering helps operators stay productive in tight work areas, make smoother corrections and keep more material moving throughout every cycle.

More progress with every pass — operator-assistive features

Built-in operator-assistive features and functions reduce manual input and improve efficiency, making every task smoother and less demanding for your crew.

Adaptive powertrain and steering control

An inertial measurement unit (IMU) and multiple sensors monitor machine conditions, including slope and load, to optimize shifting and steering. Electronically coordinated transmission and steering controls provide smooth gear changes and seamless transitions between power-turn and pivot-turn, even under heavy loads and challenging terrain.

Neutral auto brake

Automatically applies optimal braking force for smooth stops. Brakes remain engaged after stopping and release when travel resumes, reducing brake pedal use and helping improve operator comfort and control across varied terrain.

Smooth direction change

Automatically adjusts braking and acceleration during forward-reverse transitions to help prevent rollback and deliver smooth, controlled direction changes, even on slopes.



Track shoe slip control mode

Detects track shoe slip during ripping and automatically reduces engine speed to help maintain traction. The inertial measurement unit (IMU) also detects ripper tip sliding on rock and applies slip control to help improve performance. Reduced decelerator pedal input helps reduce operator fatigue and fuel consumption while extending undercarriage longevity.



Torque converter efficiency control

Optimizes transmission efficiency by engaging lock-up in automatic shift mode for up to 5% fuel savings compared to manual mode. In manual mode, the stator clutch releases under light loads for improved fuel efficiency.

Multi-stage speed control

Thirty travel speeds are available through engine speed and the four-speed transmission. Low-speed travel without decelerator pedal input helps operators stay focused.

Directional gear preset

Save up to three forward and reverse gear combinations and recall them with a lever switch. Reduces shifting and helps operators use the 30-speed range more efficiently.





Blade auto pitch*

Automatically moves the blade to the full dump position while dozing and returns it to the digging position when reversing. One-touch operation eliminates the need for additional control inputs, reducing operator workload and improving dozing efficiency.



*dual tilt machines

Ripper auto functions

Auto return and auto stow reduce repetitive lever inputs. With a single switch press, the ripper automatically raises and tilts the shank to the selected position, regardless of travel direction, reducing operator fatigue and improving productivity.



Engineered for stability and a smooth ride

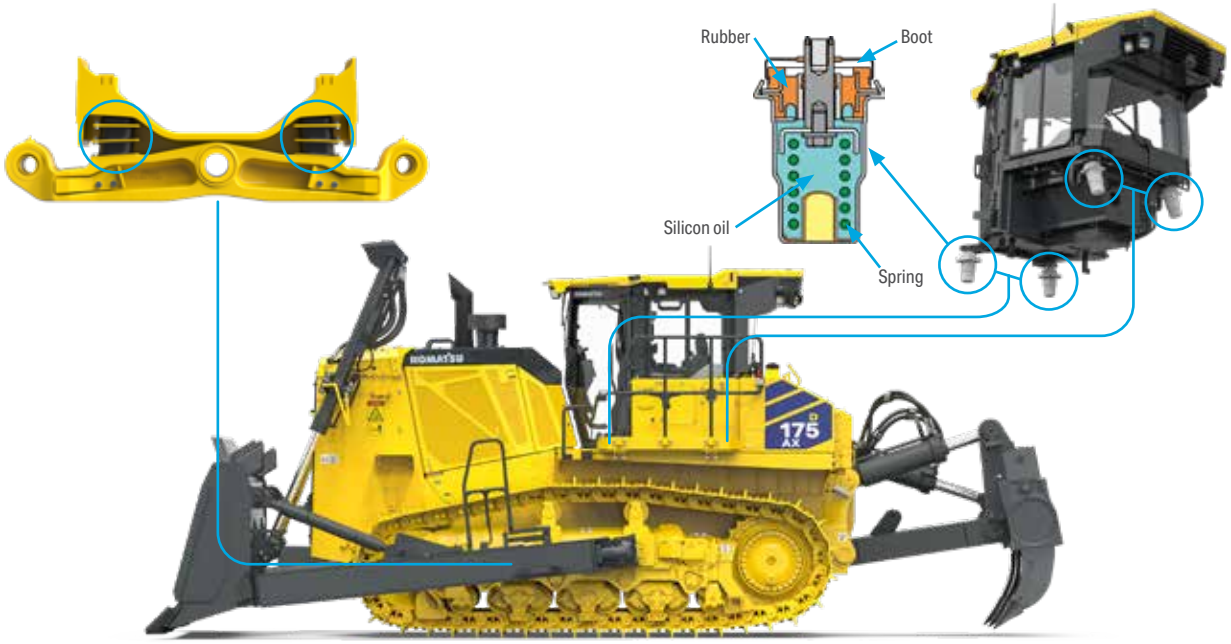
A stable machine and a comfortable operator help drive consistent performance. Updates to the undercarriage, suspension and cab work together to reduce shock and vibration while improving stability and ride comfort across challenging terrain.

Equalizer bar shoulder pad

The equalizer bar shoulder pad helps smooth machine movement over rough terrain by reducing machine roll and improving ride quality, enhancing operator comfort throughout the shift.

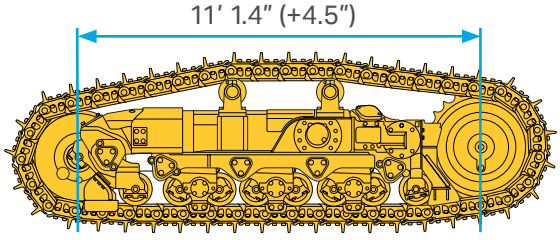
New cab damper mount

Long-stroke cab damper mounts absorb shocks and vibration while isolating the cab from the machine frame, reducing noise and improving operator comfort over rough terrain.



New 8-roller track frame

A redesigned 8-roller track frame increases track-on-ground length to improve stability, grading performance and operator comfort.



Increased track-on-ground length*

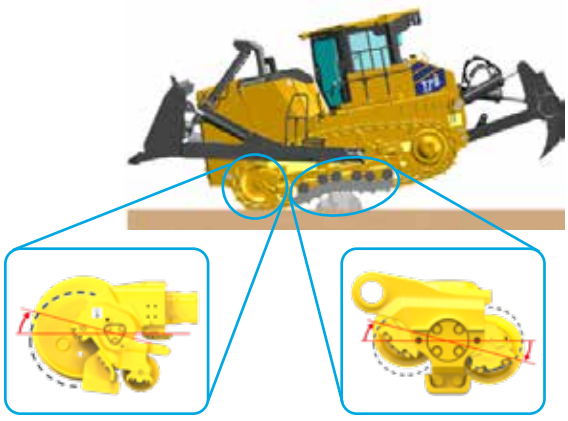
by 4.5″ (114 mm)

(+3%)

*compared with D155AX-8

Optimized bogie suspension

An optimized bogie suspension with an oscillating idler improves ground-following performance over uneven terrain, reducing shock for a smoother ride and greater operator comfort.



Powering a new generation

The all-new **Komatsu DBA127** engine powering the D175AX-10 dozer was engineered from the ground up to deliver more power, greater fuel efficiency and lower lifetime operating costs. A completely redesigned architecture combines high output, improved reliability and extended service intervals to help maximize productivity and reduce downtime.

Engine rated power output (net)*

450 HP (336 kW)

Engine maximum torque (net)*

1,580 lb·ft (2,142 N·m)
(18% increase)

*compared with D155AX-8



Electronic control system

The electronic control system continuously processes data from machine and engine sensors to help optimize machine performance. The system is designed to help reduce NOx and particulate matter (PM) emissions, improve fuel efficiency and maintain low noise levels. The in-cab monitor displays engine operating information, while Komtrax® telematics provides machine data to support maintenance planning and diagnostics.

Delayed engine shutdown

Automatic delayed shutdown helps cool the engine and aftertreatment system before the engine and main power shut off, helping to extend the life of critical components.

Reduced maintenance requirements

Longer service intervals help reduce planned maintenance. KDPF cleaning is extended to 8,000 hours, valve clearance inspection and adjustment to 4,000 hours, and the updated crankcase ventilation filter eliminates KCCV filter replacement.*

Replacement interval	D175AX-10	D155AX-8
KDPF cleaning	**8,000 hrs.**	4,500 hrs.
Valve clearance inspection/adjustment	**4,000 hrs.**	2,000 hrs.
KCCV filter replacement	**Unnecessary**	2,000 hrs.

*Note: Scheduled maintenance intervals are based on Komatsu engineering guidelines and may vary depending on operating conditions, fuel quality and application severity. Refer to the applicable Operations and Maintenance Manual for specific requirements.

Exceptional visibility and ergonomics. Confident operation.

A redesigned cab, expansive visibility and an ergonomic layout of controls and monitors help operators maintain awareness of the work area and operate with confidence throughout the job.



Improved front visibility

A larger front windshield provides a wider view of the work area while maintaining cab strength.

Ergonomic control layout

The redesigned monitor and switch layout helps minimize hand and eye movement for more intuitive operation.

Convenient control layout

Frequently used switches are grouped near the control levers for easy access.

Optimized monitor layout

The main monitor and sub-monitor are positioned on the operator's right side for easy viewing whether working forward or in reverse. Both feature touchscreen operation.





Improved rear visibility

A redesigned rear pillar and bay-style rear window increase rear visibility by approximately 30 percent.*

*Note: Compared to the D155AX-8, based on in-house Komatsu measurements of rear viewing area. Actual visibility may vary based on operating conditions and machine configuration.

Angled seat and console

The seat and control console are angled 12 degrees to support a comfortable operating position when working rearward, including during ripping.



Customizable comfort for productive shifts

Every operator works differently. The D175AX-10 cab offers adjustable controls, seating and climate control so operators can personalize their workspace and stay productive throughout the day.

Adjustable console

Easily adjust the fore-aft position and height of the control levers and armrests. Electronic height adjustment lets you adjust each armrest independently.



Automatic climate control

Ceiling vents and a foot heater work together to help keep the cab comfortable in hot and cold conditions. Automatic climate control adjusts airflow and temperature to maintain the selected setting.



Comfortable operator's seat

The heated and ventilated air-suspension seat reduces vibration, while multiple adjustments let operators personalize comfort. A contoured seat cushion helps distribute pressure evenly, and an adjustable suspension damper lets operators tailor ride quality to their preference.



High-performance fresh air filter

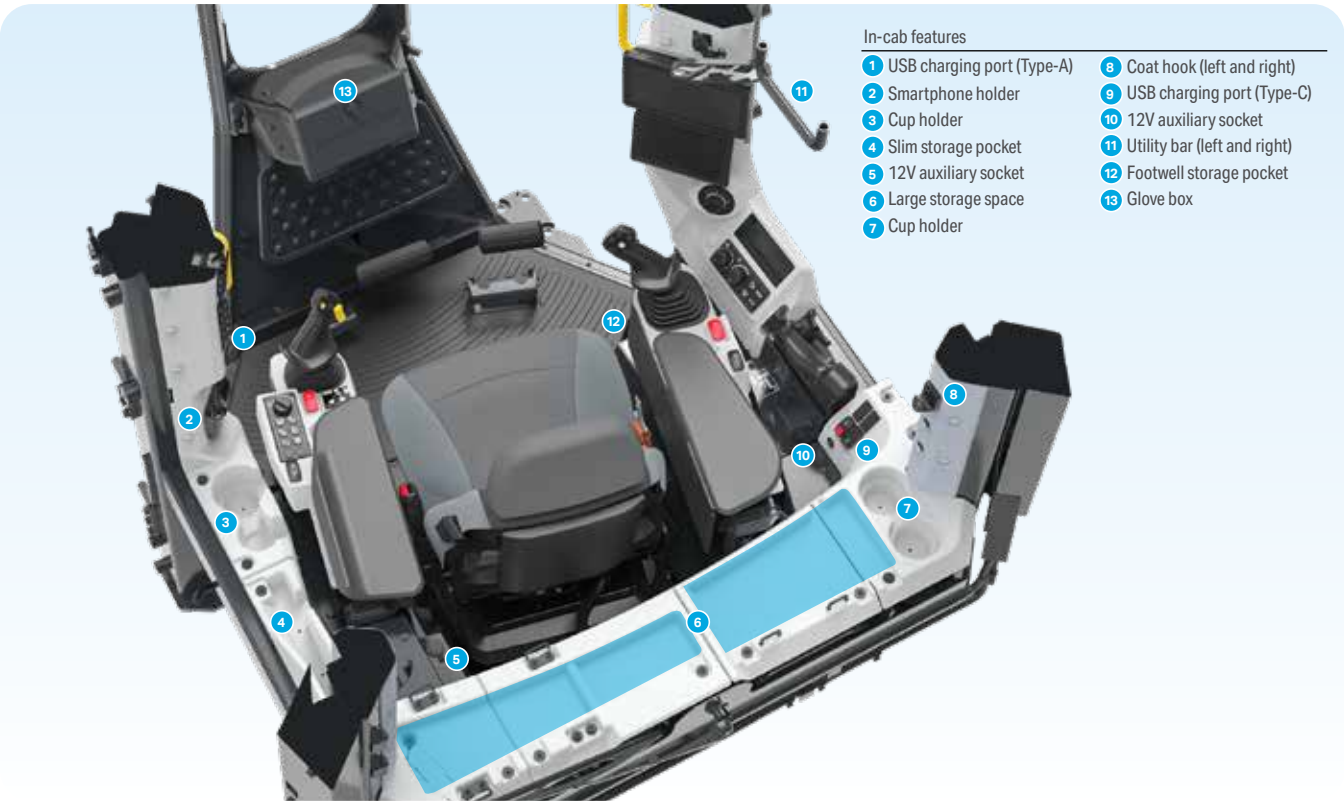
A MERV 16 fresh air filter helps capture fine dust and meets the OSHA silica standard's cab air-intake filtration requirement.*

*Note: When the cab is properly sealed and maintained in accordance with the Operation and Maintenance Manual.

Better visibility, intuitive controls and intelligent operator assistance help reduce workload, improve precision and support safer operation in demanding earthmoving applications.

Convenient storage and connectivity

Convenient storage includes cup holders and a smartphone holder, while USB charging ports, a 12-volt auxiliary socket and Bluetooth® hands-free calling help keep operators connected.



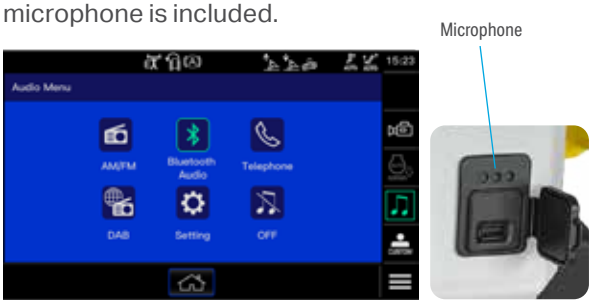
Roller blind

A two-position roller blind helps reduce glare from direct sunlight.



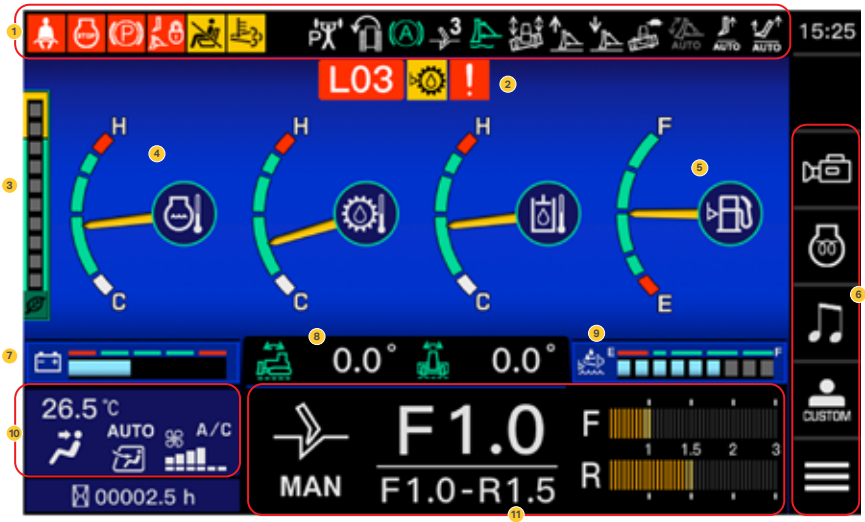
Bluetooth® connectivity

Connect a smartphone via Bluetooth® to stream music and make hands-free calls. A built-in microphone is included.



Information and control where you need it

Designed for efficient operation, the cab places key machine information and controls within easy reach. Intuitive displays and streamlined controls help operators monitor machine performance and adjust settings with confidence.

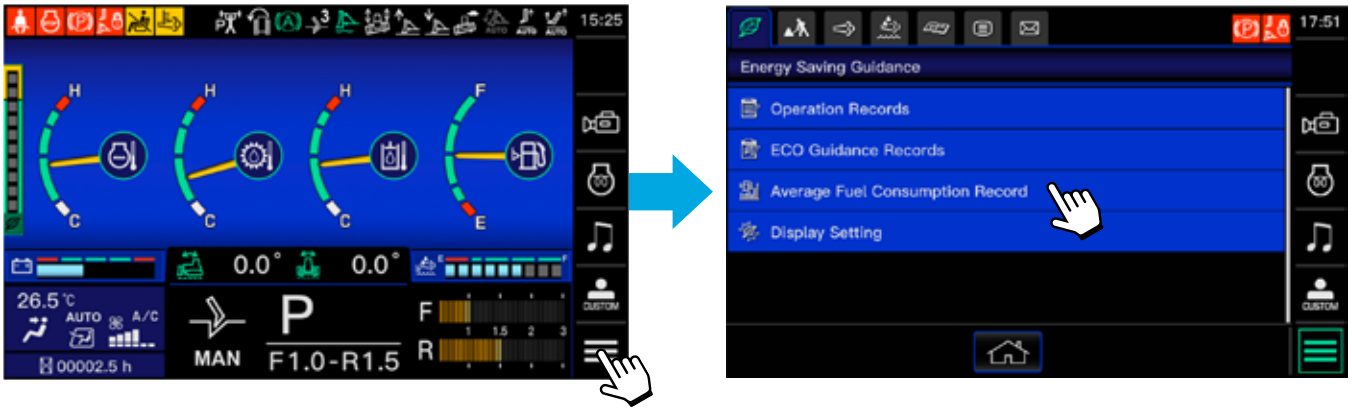


Monitor display

1. Indicator display section
2. Warning display
3. ECO gauge/drawbar pull gauge
4. Oil and coolant temperature gauge
5. Fuel gauge
6. Main menu display section
7. Multi-gauge
8. Machine pitch angle/machine roll angle
9. DEF level gauge
10. Air conditioner display section
11. Gear speed display section

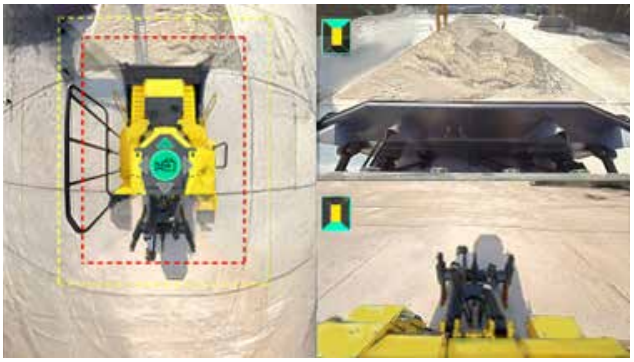
Easy-to-use touchscreen

Navigate menus, select gear shift modes and access key machine functions with intuitive touchscreen controls.



10" sub-monitor

The high-resolution touchscreen displays KomVision bird's-eye-view images for enhanced visibility around the machine.



Keyless start system

A keyless start system provides convenient engine starting while helping enhance machine security.

Monitor startup
Turning the start switch from the A position to the B position causes it to light orange

Security certification
(if activated) Enter passcode

Engine start
Once the light turns green, start the engine by turning the starting switch to the C position



Passcode entry



Enter the passcode registered for the operator ID

A familiar PIN code system is used to enhance security



Operator ID and settings

Save personalized machine settings and preferences for each operator. Registered settings are automatically recalled at login, reducing setup time. Some of these settings can include:

- Operating mode
- Gear shift mode
- Directional gear preset
- Blade response speed
- Shoe slip control mode
- Blade auto pitch
- Ripper auto return
- Monitor settings
- Bluetooth® settings
- KomVision settings

Finger command ripper control

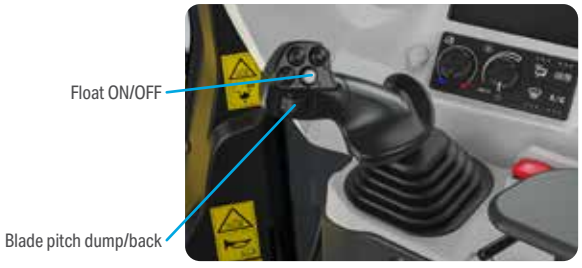
The fixed finger control allows operators to maintain a secure hand position while operating the ripper.



Palm Command Control System (PCCS) levers

Redesigned PCCS levers require less operating effort and feature integrated thumb controls for forward, neutral and reverse shifting. Operators can operate steering, gear shifting, work equipment and the horn without removing a hand from the controls.



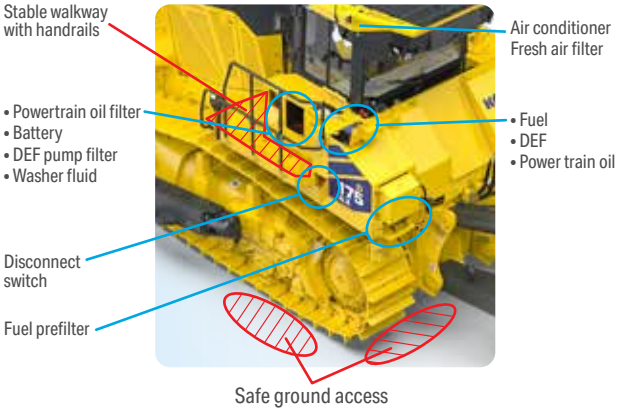


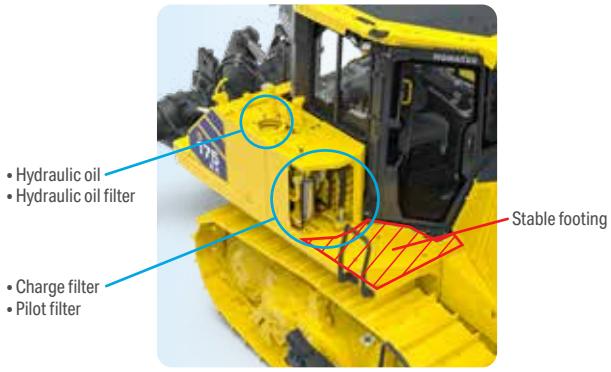
Built for reliability and more uptime

Thoughtful design features help simplify maintenance, extend service intervals and support long-term durability. From centralized service points to reinforced structures, the D175 is engineered to help maximize productive uptime.

Centralized service access

Routine maintenance points are grouped along a wide service platform with handrails, simplifying inspections and maintenance while promoting stability and safe maintenance practices.





Fluid level monitoring

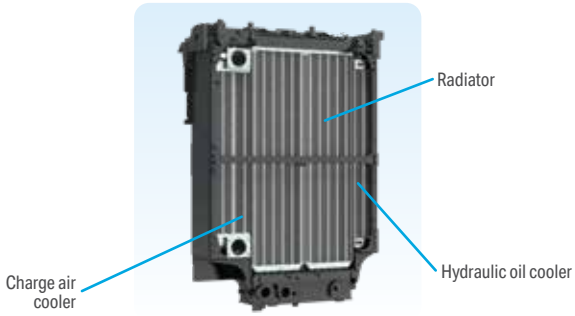
The in-cab display helps operators monitor coolant and oil levels, making daily inspections easier.

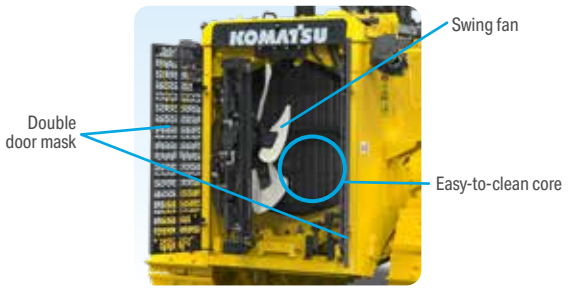
*Note: The monitor display is provided for reference only and does not reflect the machine's actual condition.



Easy-to-clean cooling system

The side-by-side cooling package provides convenient access for cleaning the cooling cores. A swing fan and fold-down front grille provide easy access to clean the cooling cores.





Reinforced main frame

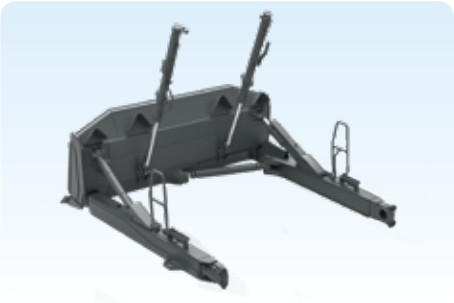
A reinforced main frame is designed to help improve durability. In Komatsu in-house testing, the redesigned frame demonstrated up to 150% longer service life compared to the D155AX-8 main frame.*

*Note: Actual service life will vary depending on application, operating conditions and maintenance practices.



New mono blade linkage

A redesigned mono blade linkage reduces blade sway for improved control while extending blade joint service intervals.



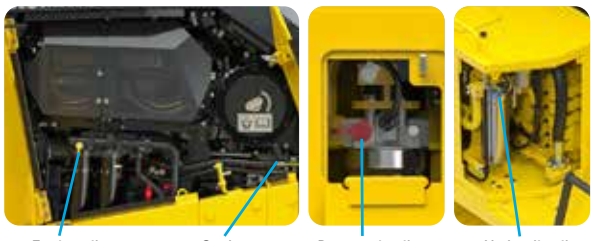
Engine side cover

A wide, side-opening engine cover provides convenient access for routine inspection and maintenance while supporting safe maintenance practices.



Easy sampling

Oil and coolant sampling ports provide quick, convenient access for routine fluid checks.



Easy cab removal

The cab can be removed in as little as 30 minutes* without recovering refrigerant, draining coolant or removing the fuel tank, which helps to minimize downtime.

*Note: under optimal conditions by trained service personnel following Komatsu procedures.

Lower maintenance costs

Extended oil and filter service intervals help reduce total cost of ownership.

Extended change interval for hydraulic oil and hydraulic oil filter

2,000 hrs. → Up to 6,000 hrs.

Extended replacement intervals for final drive oil

1,000 hrs. → Up to 2,000 hrs.

Extended replacement intervals for powertrain oil filter, fuel pre-filter, engine oil filter and engine oil

500 hrs. → Up to 1,000 hrs.

*compared with D155AX-8



Less maintenance, improved durability and lower fuel consumption help maximize uptime while reducing lifecycle costs, allowing owners to get more value from every hour the machine operates.

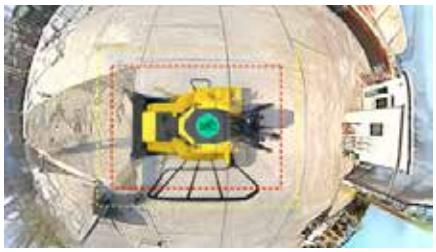
Designed to help improve operator awareness.

Thoughtful features throughout the D175AX-10 help operators maintain awareness of the machine and surrounding work area. Enhanced visibility, convenient access, lighting and operator-focused systems are features designed to help support everyday operation, machine access, maintenance and safe maintenance practices on your jobsite.

KomVision

Four cameras provide a bird's-eye view around the machine, with selectable single-camera views for a closer look. KomVision also expands visibility in front of the blade, helping operators monitor surrounding activity and terrain conditions.

Note: KomVision does not provide a complete view of all areas surrounding the machine. KomVision is an aid to help improve visibility and does not replace the operator's responsibility to maintain direct visual awareness of the work area and follow all applicable safety procedures.





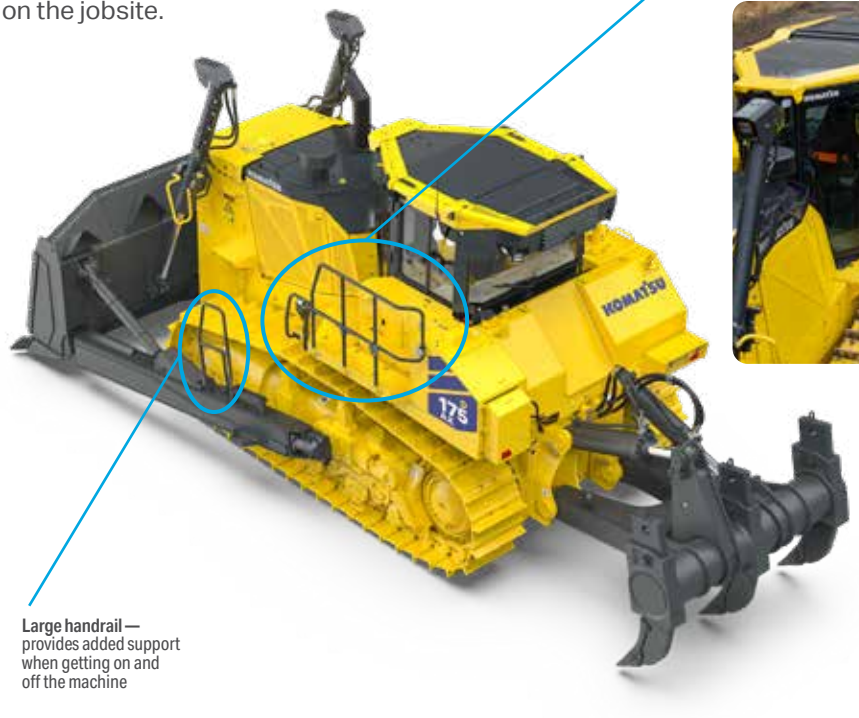


Convenient machine access

Wide walkways and large handrails provide convenient access when getting on, off and around the machine. This design also promotes safe maintenance practices on the jobsite.

Wide walkway with handrail — provides stable footing and support when moving around the machine



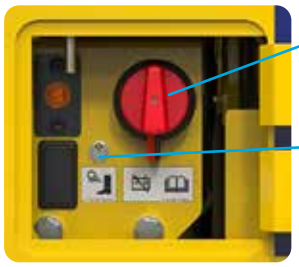




Large handrail — provides added support when getting on and off the machine

Ground-level switches

Operate access lighting and the battery disconnect from ground level, reducing the need to climb onto the machine.



Battery disconnect switch — the enlarged switch is easier to see and operate

Ground-level access light switch — turn on access lights from ground level for better visibility when approaching the machine at night

LED lighting

Work lights

High-output LED lights improve visibility around the machine during nighttime operation.



Remote courtesy lights

LED lights activate when the cab is unlocked and remain on briefly after exiting to illuminate the machine access area.



Beacon lights

Cab-mounted beacon lights communicate machine operating and seat belt status to personnel around the machine. Yellow indicates the machine is operating. Green indicates seat belt usage.





Operator presence sensing system

When the operator leaves the seat, the system is designed to help inhibit the powertrain and hydraulics under specific conditions to help reduce the risk of unintended machine movement.

Note: The system does not eliminate all risk of unintended movement. Operators and site personnel must continue to follow all applicable safety procedures.

High-visibility seat belt

The high-visibility seat belt makes belt use easier to identify, while beacon lights indicate seat belt status externally.



Tie-off points

Integrated anchor points provide designated attachment locations for fall-protection equipment during maintenance and cleaning.

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, 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.



Data
Telematics data is generated by on-machine technology.



Storage
Telematics data flows into data storage. ISO 15143-3 (AEMP 2.0) facilitates the extraction and raw data to your choice of databases.



Connection
Choose how you want to connect and view your data. Go to multiple systems, send to a third party or easily connect it all through My Komatsu.



Analytics
My Komatsu connects telematics data from Komatsu and non-Komatsu equipment and creates powerful analytics dashboard views.

Unlock your fleet's full potential. Sign in or create an account today. Use the QR code or visit *mykomatsu.komatsu*.

Make hard work easier

Smart Construction digital solutions help you get work done better and easier. They take some of the hassle out of planning work, moving dirt, tracking progress and keeping projects moving — so your crew can spend more time getting the work done.

Work more efficiently, the first time

Semi-automatic and GNSS-guided machines help you and your operators get to grade faster and reduce unnecessary rework that costs time and money. You can even support your operators remotely and send design files over cellular.

Know how the job is going

See progress as work gets done instead of waiting for updates. By combining design files, machine, drone and survey data in **Smart Construction Dashboard**, you can know what's complete, what's left and where attention is needed — so you can make decisions with better information and have proof of work when it's time to report or bill.

Spend less time on the work around the work

Ditch paper timecards, inspection reports, material receipts and duplicate entry. Smart Construction helps crews capture what's happening in the field digitally while giving the office tools to plan work, manage schedules and keep projects on track.

Put this machine to work collecting progress

When you add Smart Construction 3D Machine Guidance Flex to this machine, it collects as-built data as it moves around the site. It transmits that data to Smart Construction Dashboard, which shows you progress against design and whether project requirements are met — even every hour, if you want.


Smart Construction Dashboard


Smart Construction Drone

Smart Construction Field

With you from purchase through training and maintenance

Komatsu maintenance and repair programs

Get the service and repairs you need your way. Komatsu offers a tiered maintenance and repair program that simplifies the upkeep of your machine to help control operating costs and get the most from your equipment. 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 duration and machine hours.

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 II Premium

Available for newer Komatsu machines running the next-generation DBA127 engine, this program offers Komatsu's ultra-low-ash oil for even greater uptime. With ultra-low-ash oil, you benefit from extended service intervals — up to 1,000 hours and beyond.*

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.

*Note: Scheduled maintenance intervals are based on Komatsu engineering guidelines and may vary depending on operating conditions, fuel quality and application severity. Refer to the applicable Operations and Maintenance Manual for specific requirements.

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 Preventive Maintenance (PM) Kits

Simplify regular maintenance with one order at one price for a complete parts kit. Includes all required Komatsu Genuine Parts for a scheduled maintenance interval, pre-packaged by machine model and service interval. Available for maintenance intervals of 500, 1,000 and 2,000 hours.

komatsu.com/maintenance-repair

Komatsu Financial

Financing can be a major advantage for your operation, enabling you to get the equipment and service you need with terms to fit your business needs. Komatsu Financial offers 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




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Specifications

Engine

Model		Komatsu DBA127
Type		Water-cooled, 4-cycle
Aspiration		Turbocharged, aftercooled
Number of cylinders		6
Bore	5.1"	130 mm
Stroke	6.3"	160 mm
Piston displacement	777 in^3	12.74 L
Horsepower		
SAE J1995 (gross)	452 HP	337 kW
ISO 14396	452 HP	337 kW
ISO 9249/SAE J1349 (net)	450 HP	336 kW
Rated rpm		1,900 rpm
Fan drive type		Hydraulic
Lubrication system		
Method		Gear pump, force lubrication
Filter		Full-flow

*U.S. EPA Tier 4 final emission certified

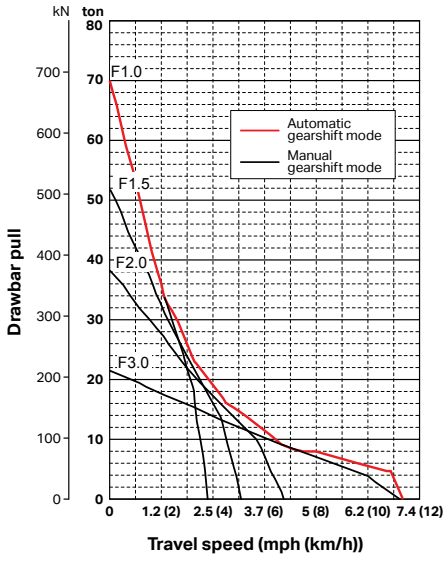
Torqflow transmission

Komatsu's automatic TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 2-phase torque converter with lockup clutch, and a planetary gear, multiple-disc clutch transmission which is hydraulically actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch prevent machine from accidental starts.

Gear	Forward	Reverse
1st	2.3 mph (3.7 km/h)	3 mph (4.9 km/h)
1.5	3.1 mph (5.0 km/h)	4.1 mph (6.6 km/h)
2nd	4.2 mph (6.8 km/h)	5.5 mph (8.8 km/h)
3rd	7.1 mph (11.4 km/h)	9.2 mph (14.9 km/h)

Drawbar pull

Maximum usable pull depends on traction and mass of tractor including mounted equipment.



Final drives

Double-reduction, spur and planetary final drives increase tractive effort. Segmented sprockets are bolt-on for easy in-the-field replacement.

Steering system

HSS is powered by steering planetary units and an independent hydraulic pump and motor. Counter-rotation turns are also available. Wet, multiple-disc, pedal-controlled service brakes are spring-actuated and hydraulically released.

Minimum turning radius*	3' 6"	1.07 m

*Theoretical value during pivot turn

Undercarriage

Suspension	Oscillation-type with equalizer bar and forward mounted pivot shafts
Track frame	Monocoque, high-tensile-strength steel construction

Komatsu Bogie (K-Bogie) undercarriage:

Lubricated track rollers are resiliently mounted to the track frame with a bogie suspension system whose oscillating motion is cushioned by rubber pads.

Track shoes:

Lubricated tracks. Unique dust seals for preventing entry of foreign abrasives into pin-to-bushing clearance for extended service. Track tension easily adjusted with grease gun.

Number of shoes (each side)		43
Grouser height	3.1"	80 mm
Shoe width (standard/maximum)	24"/28"	610 mm/710 mm
Ground contact area	6,408.6 in^2	41,346 cm^2
Ground pressure (tractor only, including ROPS cab)		82.8 kPa / 0.84 kgf/cm^2
Number of track rollers (each side)		8
Number of carrier rollers (each side)		2

Shoes (optional)	Additional mass	Ground contact area
28" (710 mm) single grouser shoes	+970 lbs. (440 kg)	7,459 in^2 (48,124 cm^2)
24" (610 mm) extreme grouser shoes	+1,014 lbs. (460 kg)	6,408.6 in^2 (41,346 cm^2)
26" (660 mm) extreme grouser shoes	+ 1,587 lbs. (720 kg)	6,934 in^2 (44,735 cm^2)

Coolant and lubricant capacity (refill)

Fuel tank	165.1 gal	625 L
Coolant	25.1 gal	95 L
Engine oil	12.9 gal	49 L
Damper	0.4 gal	1.6 L
Transmission, bevel gear and steering system	23.8 gal	90 L
Final drive (each side)	8.2 gal	31 L
DEF tank	20.1 gal	76 L

Dozer equipment

Use of high-tensile-strength steel in moldboard for strengthened blade construction. Blade tilt hose piping is mounted inside the dozer push arm to protect from damage.

	Overall length with dozer	Blade capacity (ISO 9246)	Blade length x height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Pitch adjustment	Additional mass
Strengthened single tilt semi-u dozer	26' 9" (8,610 mm)	13.9 yd^3 (10.6 m^3)	13' 6.6" x 5' 11.5" (4,130 mm x 1,815 mm)	4' 6.3" (1,380 mm)	1' 11.4" (595 mm)	2' (615 mm)	—	14,308 lbs. (6,490 kg)
Strengthened dual tilt semi-u dozer	26' 9" (8,610 mm)	13.9 yd^3 (10.6 m^3)	13' 6.6" x 5' 11.5" (4,130 mm x 1,815 mm)	4' 6.3" (1,380 mm)	1' 11.4" (595 mm)	2' 7.7" (805 mm)	±5°	14,440 lbs. (6,550 kg)

Hydraulic system

Closed-center load sensing system (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

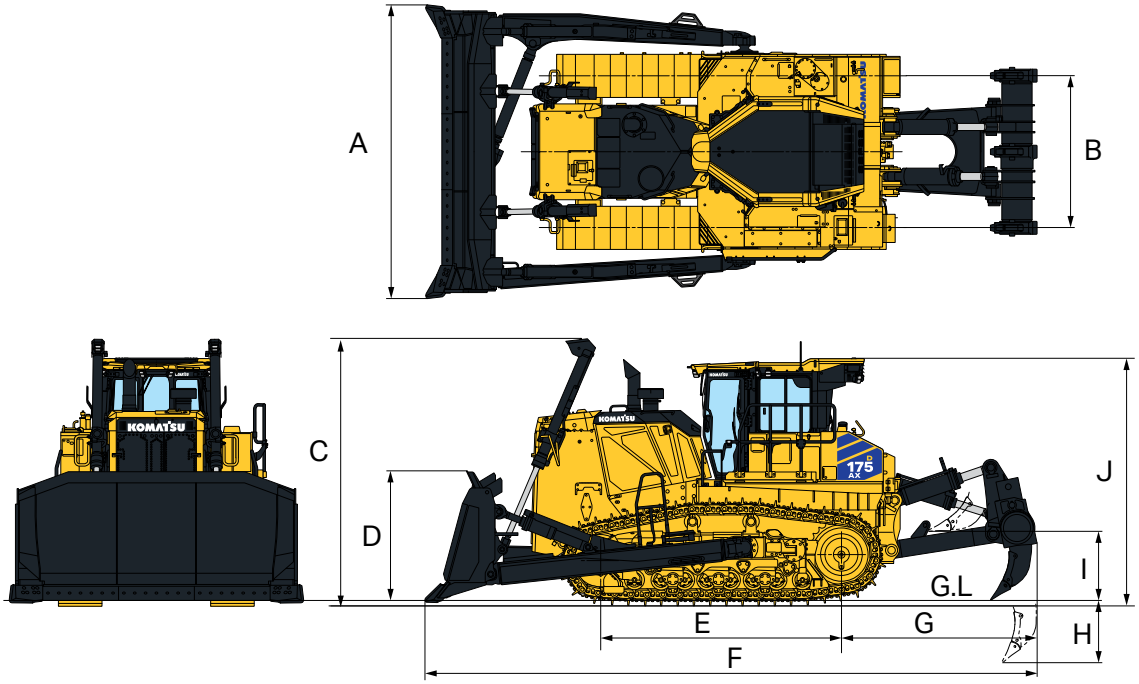
Hydraulic control unit:

All spool control valves externally mounted beside the hydraulic tank. Variable piston pump with capacity (discharge flow) of 345 L/min for steering and 225 L/min for implement at rated engine rpm.

Relief valve setting:		
For implement		28.5 MPa 291 kgf/cm^2
For steering		39.5 MPa 403 kgf/cm^2
Spool control valve positions:		
Blade lift		Raise, hold, lower, and float
Blade tilt		Right, hold, and left
Ripper lift		Raise, hold, and lower
Ripper tilt		Increase, hold, and decrease
Hydraulic cylinders		Double-acting, piston
	Number of cylinders	Bore
Blade lift	2	4.3" (110 mm)
Blade tilt	1	6.3" (160 mm)
Ripper lift	1	7.1" (180 mm)
Ripper tilt	1	7.9" (200 mm)
Hydraulic oil capacity (refill):		
Semi-u tilt dozer	38.3 gal	145 L
Ripper equipment (additional volume):		
Multi-shank ripper	9.8 gal	37 L
Giant ripper	9.8 gal	37 L



Dimensions



Machine dimensions

A	13′ 6.6″ (4,130 mm)	**F**	28′ 3″ (8,610 mm)
B	7′ (2,140 mm)	**G**	9′ (2,750 mm)
C	11′ 4.6″ (3,470 mm)	**H**	2′ 10.6″ (880 mm)
D	5′ 11.5″ (1,815 mm)	**I**	3′ 2.2″ (970 mm)
E	11′ 1.4″ (3,389 mm)	**J**	11′ 5.2″ (3,485 mm)

Ground clearance: 1′ 8.25″ (515 mm)

Operating mass

Tractor mass	77,007 lbs. (34,930 kg)
Including rated capacity of lubricant, coolant, full fuel tank, operator and standard equipment (including ROPS cab).	
Operating mass	100,310 lbs. (45,500 kg)
Including strengthened dual tilt semi-u dozer, multi-shank ripper, ROPS cab, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.	
Ground pressure	15.6 psi, 107.9 kPa (1.10 kgf/cm^2)



Equipment

Engine and related components

Bio diesel fuel, B20	●
Alternator, 24 V/140 A	●
Starting motor, 24 V/11.0 kW	●
Maintenance-free batteries, 2 x 12 V/160 Ah	●
Hydraulically-driven colling fan with clean mode	●
High performance single plane cooling system	●
Air cleaner with ejector pre-cleaner and dust indicator	●
Pre-cleaner, enginaire bonnet mount	●
Auto idle stop	●
Delayed engine shutdown	●
Fuel tank - quick charge compatible	●

Hydraulic system

Blade response speed setting	●
Blade auto pitch	●
Ripper auto functions	●

Powertrain

Directional gear preset	●
Multi-stage speed control	●
Neutral auto brake	●
Pivot turn	●
Track shoe slip control mode	●

Undercarriage

8-roller track frames - suspension type	●
Equalizer bar shoulder pad	●
Track roller guard, end sections	●
Final drive case wear guard	●
28" (710 mm) single grouser shoes	○
24" (610 mm) extreme grouser shoes	○
26" (660 mm) extreme grouser shoes	○
24" (610 mm) extreme grouser shoes, PLUS	○
26" (660 mm) extreme grouser shoes, PLUS	○
28" (710 mm) extreme grouser shoes, PLUS	○

Lighting

LED lights - 2 work (high mount), 2 front, 2 side, 2 rear, 2 front access	●
LED light - ripper point	●
LED light - engine room	●
LED lights, 2 side (additional)	●
Remote courtesy light	●

Service and maintenance

Remote lubrication for equalizer bar	●
Easy cab removal	●
Sampling ports for oils and coolant	●
Swing-out cooling fan	●
Ground level services switch (electrical disconnect, access lights)	●
Fluid level check	●
Clogging detection sensor - hydraulic, powertrain, charge	●

Standard equipment	●
Optional equipment	○

Cab

Cab with integrated ROPS/FOPS (ISO 3471/3449)	●
8" full-color touch-panel monitor	●
10" full-color touch-panel sub monitor	●
Keyless start system	●
Multifunction Bluetooth® radio	●
Multifunction steering lever with FNR switch	●
Multifunction blade lever	●
Fixed ripper lever	●
Adjustable lever consoles with armrests (electric height adjustment)	●
Premium air suspension, heated and ventilated seat with multiple adjustments	●
High mount footrest	●
Heating, ventilation and air conditioning with automatic climate control	●
Cab fresh air filter with high efficiency (MERV 16)	●
Double door wipers and front/rear window wipers	●
Auxiliary sockets (2 x 12 V) and USB charging ports (Type-A, C)	●
Roller blinds for front window and doors	●
Room lamp	●
Storage (glove box, coat hooks, cup holders, smartphone holder)	●
Floor mat	●

Safety

Backup alarm	●
Horn, warning	●
Mirror, rearview	●
Walkway with hand rails and toe boards	●
KomVision	●
Cab-integrated beacon light	●
Electric parking brake and work equipment lock switches	●
Operator presence sensing system	●
Seat belt 3"	●
Seat belt reminder	●
Secondary engine shutdown switch	●
Tie off	●

Work equipment

Strengthened semi-u dozer - single tilt	○
Strengthened semi-u dozer - dual tilt	○
Spill guard for semi-u dozer	○
End bits - high efficiency type	○
Variable multi-shank ripper	○
Variable giant ripper	○
Rigid drawbar	○
Counterweight with hitch	○

Other

Komtrax	●
Auto power off	●
Tying-down	●
Operator authentication	●
Vandalism protection	●
Tool box	●

Notes

Notes

All performance comparisons, unless otherwise noted, are between the Komatsu D175AX-10 and the Komatsu D155AX-8 and based on Komatsu in-house testing under controlled conditions. Actual results will vary depending on the machine configuration, material type, operator technique, terrain, jobsite conditions, altitude, temperature and maintenance practices. Specifications and features are subject to change without notice and may vary by market.

The descriptions, specifications and claims in this brochure are provided for information and illustrative purposes only and do not expand or modify the terms of any applicable Komatsu limited warranty. The only warranty applicable to Komatsu equipment is the written limited warranty provided at the time of sale. Contact your Komatsu distributor for complete warranty terms and conditions.

Operator-assistive features described in this brochure are designed to help improve machine operation. They are not a substitute for trained, qualified operator judgment, proper inspection or compliance with all applicable safety regulations, standards and jobsite procedures. Always operate the machine in accordance with the Operation and Maintenance Manual.

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