

D375A-8R

Crawler dozer



Photos may include optional equipment.

Engine power

Gross: forward 474 kW (636 hp) @ 1,800 rpm
reverse 578 kW (775 hp) @ 1,800 rpm

Article n°35 of regulation (EU) 2016/1628; NRE-v-7

Net: forward 455 kW (609 hp) @ 1,800 rpm
reverse 558 kW (748 hp) @ 1,800 rpm

Operating weight

76,520 kg

Blade Capacity

Semi U dozer: 18.5 m³

U dozer: 22.0 m³

D375A-8R

Productivity (P+ mode) **18%*** 

*13° downhill dozing
*Compared with D375A-6 (P mode)

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Through high productivity and excellent economic efficiency The D375A enters a new stage

Productivity, ecology and economy

- 20% more power in reverse increases productivity. **New**
- Automatic transmission with lockup torque converter.
- Selectable working modes.
- Automatic/Manual/Track shoe slip control mode gearshift selectable.
- Auto idle stop function. **New**
- Auto-deceleration function. **New**

Comfort

- Comfortable ride with equalizer bar shoulder pad. **New**
- Comfortable ride with new cab damper mounts. **New**
- Comfortable ride with new operator seat. **New**
- Excellent visibility for blade/ripper work. **New**
- Renewed steering and work equipment lever with optimized layout. **New**
- Electronic height adjuster for steering console.

Safety

- Rear platform & guard rails. **New**
- Secondary engine shutdown switch. **New**
- Power ladder. **New**
- Battery and starter isolator.
- Operator Presence Sensing System. **New**
- Seat Belt Reminder (Optional). **New**

Information and Communication Technology (ICT) & Komtrax

- Machine monitor with high resolution 7-inch color Liquid Crystal Display (LCD) unit. **New**
- Energy Saving Operation. **New**

Maintenance

- T-MEX* radiator. **New**
- Hinged type front mask and cooling fan support. **New**
- One side greasing points for work equipment.

*T-MEX is a trademark of T.RAD Co.,Ltd.

Reliability

- Robust main frame and track frame. **New**
- Modular long life power train design.



Performance feature

20% More power in reverse

Increased engine output by 1.2 times when in reverse provides faster reverse climbing speed in downhill dozing. It leads to reduction of cycle time and increases the production drastically.

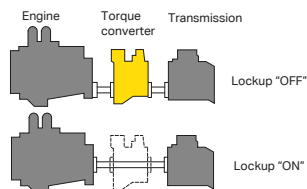
In downhill dozing (13°)

Production increased by 18%

Compared with D375A-6

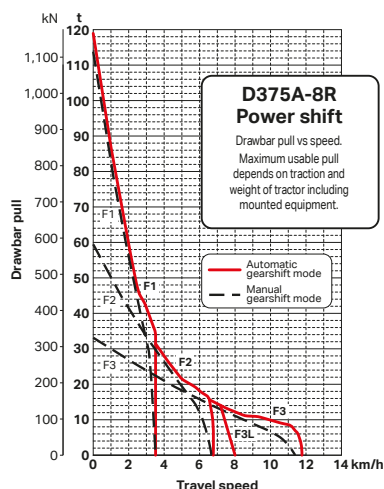
Automatic transmission with lockup torque converter

A sharp reduction in fuel consumption and greater power train efficiency is achieved by the automatic gearshift transmission and lock up torque converter. The automatic gearshift transmission selects the optimal gear range depending on the working conditions and load placed on the machine. This means the machine is always operating at maximum efficiency. (Manual gearshift mode is selectable with a switch).



Fuel consumption reduced by 10%

Compared with manual gearshift mode



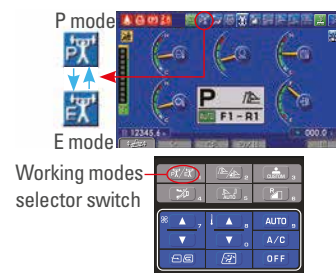
Lockup mechanism of torque converter is automatically actuated to transfer engine power directly to the transmission in usual dozing speed range. Locking up the torque converter eliminates loss of horsepower by 10%. Because the electronically controlled engine is extremely efficient, a decrease in fuel consumption is realized while also maintaining machine power.

Selectable working modes

This mode can be set to either "P mode" for the maximum power or "E mode" for energy saving operation. Combined with the automatic gearshift mode or manual gearshift mode, the working mode allows the operator to select the optimum machine operating condition for the work at hand. (The mode can be switched during operation.)

P mode (Power mode): With P mode, the engine outputs its full power. Select this mode for the work requiring large production, heavy-load work, and uphill work.

E mode (Economy mode): Select for energy saving operation with restricted engine power output. Select for the work on a ground where the machine may cause shoe slip and frequent decelerator pedal operation is required. Select for the work not requiring large power such as downhill dozing, leveling, and light-load work.



Preset travel speed selection function

Preset travel speed enables the operator to select fore and aft travel speed among four preset patterns. When the gearshift pattern is set to either <F1-R1>, <F1-R2>, <F2-R2>, or <F2-R3L>, in automatic gearshift mode, the gear is automatically shifted. This function reduces gear shifting time during repeated round-trip operations.



Automatic gearshift mode

F1-R1 Mode
Press DOWN switch ↑ Press UP switch
F1-R2 Mode
Press DOWN switch ↑ Press UP switch
F2-R2 Mode
Press DOWN switch ↑ Press UP switch

Manual gearshift mode

F1-R1 Mode
Press DOWN switch ↑ Press UP switch
F1-R2 Mode
Press DOWN switch ↑ Press UP switch
F2-R2 Mode
Press DOWN switch ↑ Press UP switch

Shoe slip control mode

F1-R1 Mode
Press DOWN switch ↑ Press UP switch
F1-R2 Mode
Press DOWN switch ↑ Press UP switch

Auto downshift function

When load is applied, the transmission automatically downshifts to the optimum gear speed to provide high fuel efficiency. This function provides comfortable operation in dozing without manual downshifting.

Reverse slow mode

With the reverse slow mode, the engine speed is limited to reduce reverse travel speed in order to improve ride quality such as rough terrain operation.

Electronic smooth steering clutch/brake control

Sensors monitor machine operating conditions such as incline angle of slope and degree of load, controller selects the optimal modulation parameter automatically. The timing of engagement for clutch and brake is optimized to provide more smooth steering control.

Automatic/Manual/Track shoe slip control gearshift selectable

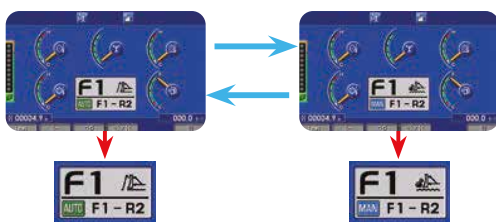
Automatic or manual gearshift modes can be selected with ease to suit the work at hand by simply pressing the switch on the multi-monitor (Selection at neutral).

- **Automatic gearshift mode**

The mode for general dozing. When a load is applied, the gear automatically shifts down, and when the load is off, it automatically shifts up to a set maximum gear speed. This mode economizes both fuel and production where the torque converter lockup mechanism is actuated according to load, automatically selecting the optimum gear speed.

- **Manual gearshift mode**

The mode for dozing and ripping rough ground. When loaded, the gear automatically shifts down, but does not shift up when the load is off. The operator can specify whether the auto shift down function is enabled or disabled by operating the monitor.



Automatic gearshift mode screen

Manual gearshift mode screen

- **Track shoe slip control mode**

Track shoe slip control mode allows the operator not to constantly control engine power output with the decelerator pedal while ripping operation, substantially reducing operator fatigue. Maneuverability is improved because the operator is free to focus on monitoring to track shoe slippage. Repair costs are significantly lowered and undercarriage life is extended with the reduction in track shoe slippage. Additionally, this mode will contribute to lower fuel costs because the engine output is automatically controlled to optimum level for operation.



High efficiency blade and end bit design

A new blade profile features high load hauling efficiency to maximize productivity. The blade section profile has been changed to larger radius and more slanted section to minimize the digging resistance. This increases the amount of hold soil which blade is capable of carrying. Improved end bits provide better penetration and extended wear life.



High penetration force by variable giant ripper

The variable giant ripper is a parallelogram single shank ripper ideal for ripping tough material. The ripping angle is variable, and the deeper reach of shank allows the operator to dig up a larger rock easily. Ripper shank height is adjustable in three stages by a hydraulically controlled pin puller.

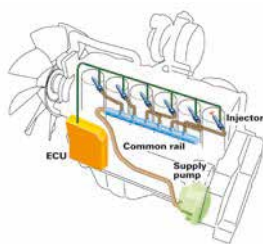


Ecology and economy



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 reduce Particulate Matter (PM) emissions.

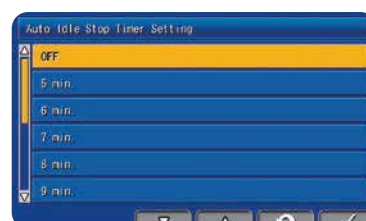


Hydraulic drive radiator cooling fan

The engine cooling fan rotation speed is electronically controlled. The fan rotation speed depends on engine coolant, powertrain oil and hydraulic oil temperatures, the higher the temperature the higher the fan speed. This system increases fuel efficiency, reduces the operating noise levels and requires less horsepower than belt driven fan.

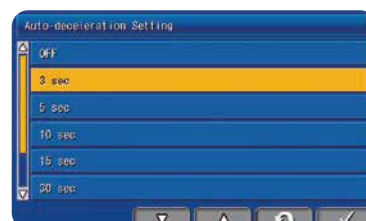
Komatsu auto idle stop

Komatsu auto idle stop helps reduce idle time and operating costs.



Auto-deceleration function

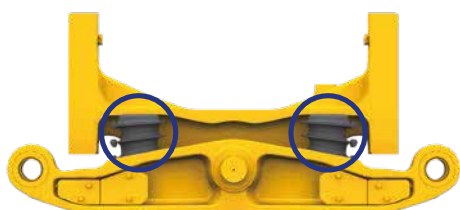
The auto-decelerator automatically decreases the engine speed after selected period since the work equipment or travel lever return neutral.



Comfortable features

Comfortable ride with equalizer bar shoulder pad

Shoulder pad on the equalizer bar makes machine behavior smoother when driving over the obstacles. Additionally, reduced oscillation angle of equalizer bar suppresses machine rolling behavior. Those improvements provide more comfortable environment for operator in rough terrain operation.



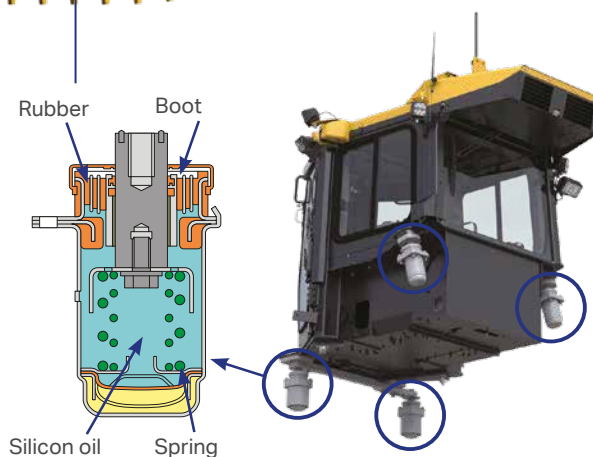
Comfortable operator seat

New air suspension operator seat drastically improves vibration absorption performance. Furthermore, uniformed body pressure management increases contact area with body, which enhances hold performance and fatigue reduction for operator. This seat equips the lumbar support, tilting adjust function, electric heater and ventilator. It is easy to adjust to the various physical size of operator and also the electric heater makes it possible to work comfortably in the winter. And ventilator makes it possible too, in the summer.



Comfortable ride with new cab damper mounts

The D375A-8R's cab mount uses a new cab damper which provides excellent shock and vibration absorption capacity with its long stroke. These mounts soften shocks and vibration while traveling. Also, isolated cab from the machine body provides comfortable operation environment with less vibration and noise.



Working environmental



New design monocoque cab

The D375A-8R has a tall and spacious cab with large glass windows for outstanding visibility. High rigidity structure greatly reduce noise and vibration for the operator and helps prevent dust entering into the cab. Optimum arrangement of fixed operator seat contributes to enhance the blade visibility drastically, and enables to design the optimized lever and pedal layout, which provides comfortable work environment for operator.

Optimized lever and pedal layout



Enlarged foot space

New fixed operator seat layout

Enlarged visible area of ripper shank

Thanks to the new ripper arm structure, the visible area of ripper shank is drastically enlarged. Operator is easy to rip the hard rock by locating the front edge of shank accurately.



Rear view monitor system

The operator can view the rear of the machine with a color monitor screen.



Finger command control system

Newly developed finger command control system allows operator to support his own body by hand firmly when traveling on uphill slope in reverse or on rough ground. Forward/Reverse can be selected by rocker switch and Right/Left steering control by finger-tip handle.



Palm Command Control System (PCCS) (Optional)

Ergonomically designed palm command travel joystick provides the operator with a relaxed posture and superb control improving operator comfort. Transmission gear shifting is simplified with push buttons.



Electronic controlled work equipment control joystick

Electronically controlled work equipment control joystick allows operator to control blade quicker and more accurate than ever before.

Blade fine control mode enables more smooth control for finish grading operation.



Finger command ripper control system

Newly attached the Fixed ripper control system allows operator to hold his own body by hand while ripping.



Working environmental

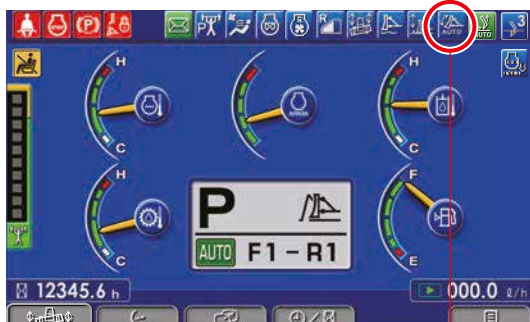
Blade auto-pitch

To reduce operator effort and increase operating efficiency, the new auto blade pitch mode sets dump positions while dozing and digging position while reversing, by one-touch operation with no additional lever movements. Moreover all blade operation (U dozer/Semi-U dozer) be consolidated regardless of blade type. The blade pitch control customization and adjustment can be set through the monitor.



Ripper auto-return

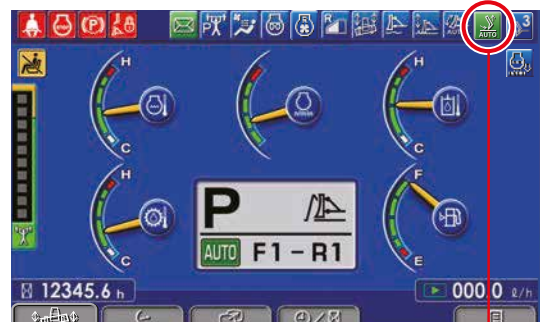
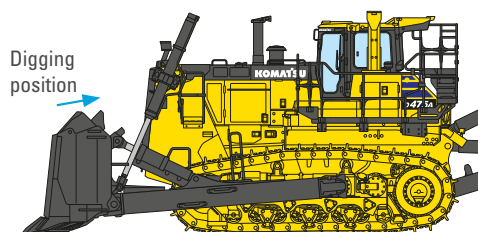
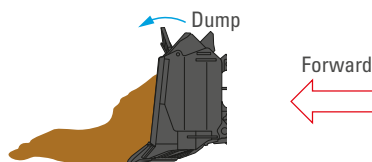
The ripper control lever incorporates an auto-return function that will automatically raise the ripper, so the operator is less fatigued of the day. The function activates automatically when travel lever is moved to reverse position.



During auto-pitch



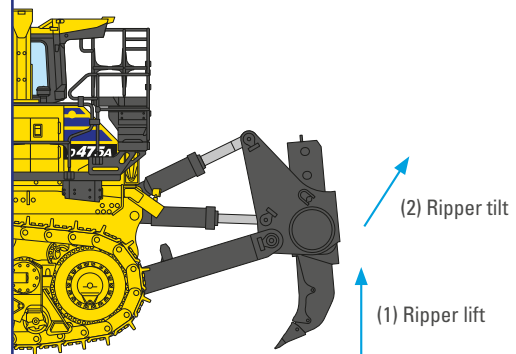
Before or After auto-pitch



During auto-return



Before or After auto-return





Large size armrest

Wide armrest allows operator to put his elbow easily and support his own body during ripping work.



Electronic height adjuster for steering console

Height adjuster of steering console by electronic motor-driven provides easy height adjustment before starting operation.



Automatic climate control system

Automatic climate control system allows the operator to set the cab ambient temperature easily by the switch panel. Enhanced heating/cooling capacity and optimized wind outlet location keep the cab environment comfortable throughout the year.



12 V Outlet power source and aux input jack

Two 12 V outlet power source and AUX input jack is equipped around left side of console.

AUX input jack
USB Port (Only for charge)
24 V cigarette lighter
12 V outlet
12 V outlet



Multifunction audio*

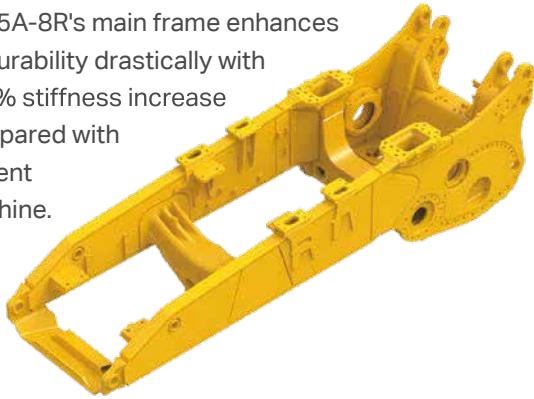
It has functions of AM/FM radio and AUX and Bluetooth® wireless technology enabled products can be connected.

* Specification of audio depends on delivered area.

Reliability & maintenance features

Main frame strength

D375A-8R's main frame enhances its durability drastically with 125% stiffness increase compared with current machine.



T-MEX

T-MEX* is equipped as standard cooling system. Easily and individually exchangeable tube and less clogging structure contribute to easy maintenance and less downtime. Damaged tube can be replaced individually instead of replacing whole assembly, which helps maintenance cost reduction or spare parts stock management.

* T-MEX is a trademark of T.RAD Co., Ltd..



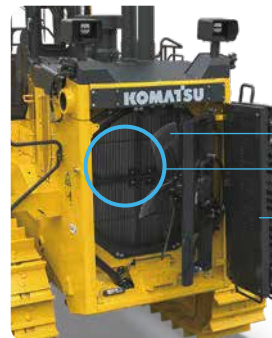
New mono blade linkage

This structure provides less blade sway movement and extends maintenance interval of blade joint.



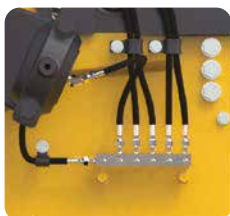
Swing fan

Easy access to the front-side of radiator core for cleaning by swing fan and foldable mask structure.

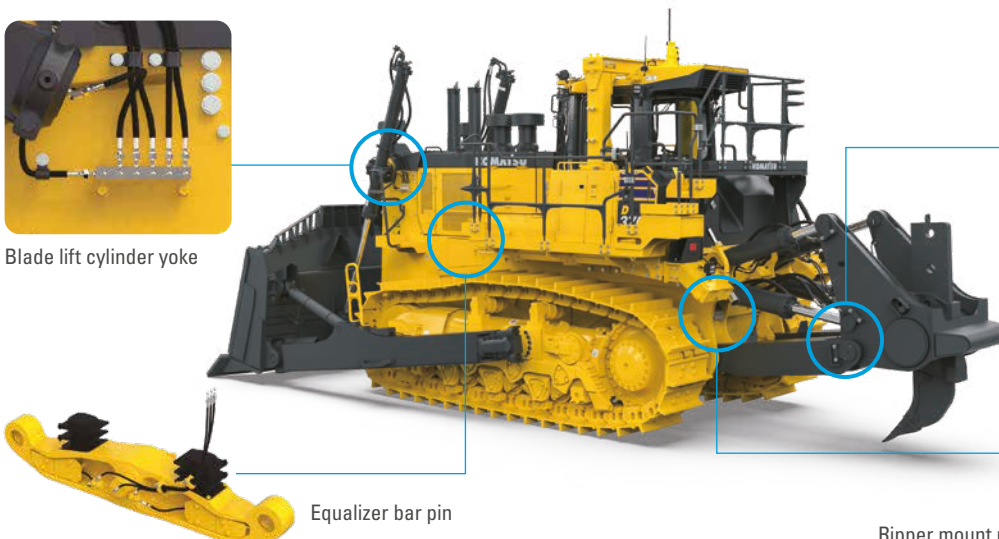


Swing fan
Easy to clean core
Foldable mask

One side greasing points



Blade lift cylinder yoke



Ripper joints



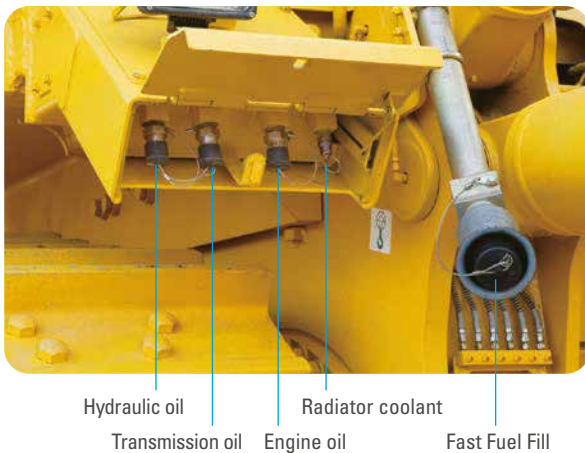
Equalizer bar pin



Ripper mount pin

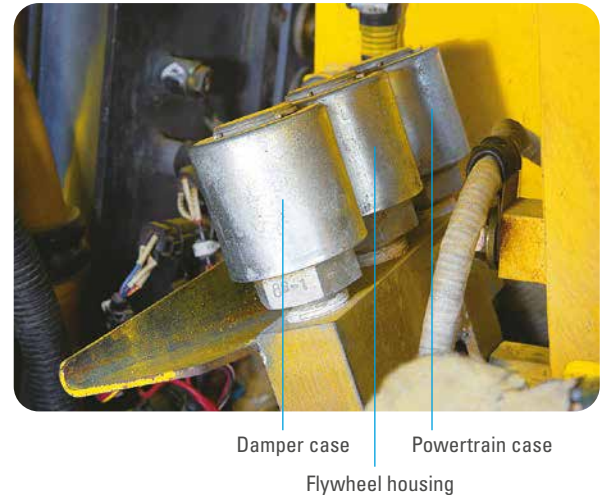
Maintenance service center

Couplings (Made by Wiggins) installed at the rear left of the machine enable quick drain and change of oil and coolant. The Fast Fuel Fill (Also by Wiggins) enables refueling from ground level. The service center eliminates the need to get on/off the machine and to remove/install covers to perform fluid maintenance.



Canister-type breathers

Canister-type breathers are arranged inside the left exterior cover to facilitate check and cleaning of the breather of each component remotely.



Concentrated sampling points

Concentrated sampling points are arranged inside the right side cab step cover to facilitate sampling of the oil and coolant from each component remotely.



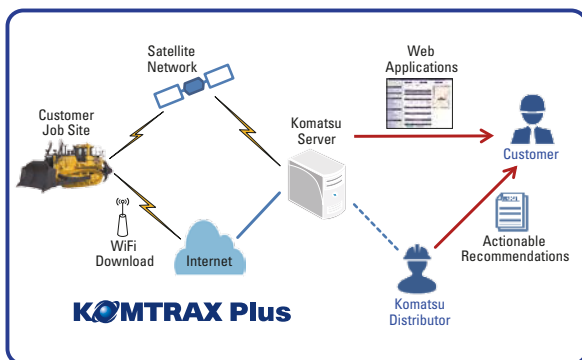
A: Transmission oil B: Hydraulic oil C: Engine oil D: Radiator coolant

KOMTRAX Plus

Assists Customer's Equipment Management and contributes to Fuel Cost Cutting

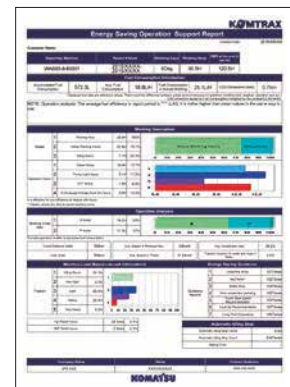
Equipment management support

Komtrax Plus is a management system for large mining equipment, which enables detailed monitoring of the fleet via satellite and wireless LAN. Komatsu and distributors can analyze "machine health", other operating conditions and provide this information to the job site, using the Internet from a remote location, on a near-real time basis. As a result, customers receive timely machine maintenance, reduced maintenance expenses, downtime costs and avoid mechanical trouble.



Energy saving operation support report

Komtrax Plus provides various useful information which includes the energy-saving operation support report based on the operating information of your machine such as fuel consumption and idle time.



Working Status

- SMR
- Working Hours
- Idling %
- Fuel

Caution Record

- Caution occurrence time and location record per machine

Machine Location on Google Maps

- Searching driving route
- Link to Google Maps app

Tracking no usage/no communication machine

- List of machines not being used/ not communicating for a day, a week, or a month

KOMTRAX Mobile App



Safety environmental

One side platform with hand rails and toe boards

One side platform gives operator to access safely to rear maintenance points. Check and refilling of fuel and washer, cleaning of cab window glass and air conditioner condenser, cab lights, etc., can be safely performed.



Heavy duty steps and large hand rails

Strategically placed grab handles with non-slip steps aid operator getting on and off the machine.



Secondary engine shutdown switch

Secondary engine shutdown switch is newly equipped at the side of machine monitor. This is helpful when engine cannot shutdown normally via starting key switch.

Seat belt reminder (Optional)

The buzzer sounds to remind the operator to engage the seat belt. The beacon also informs the outside of the vehicle whether seat belts are engaged or not.

Operator presence sensing system

This feature locks out the power train and hydraulics under certain conditions to prevent unintentional movement when the operator is not in the seat.

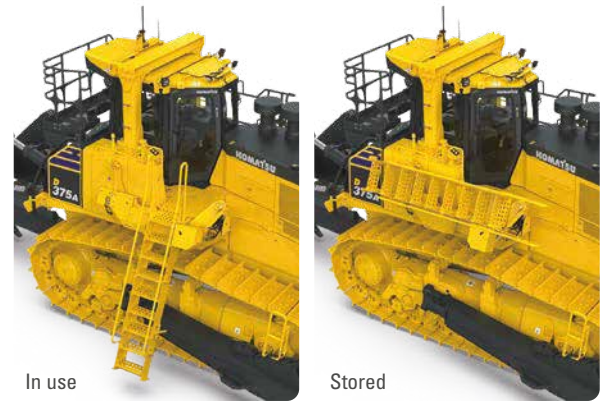
Seat belt caution indicator

Reminds the operator to engage the seat belt.

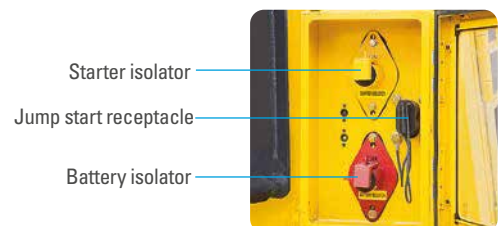


Power ladder (Optional)

Provides safer access and egress to and from the cabin.



Battery and starter isolator box



Emergency engine stop switches

In case you need to stop the engine immediately by using either of the two switches. One is installed in the cab, the other at the right rear of the machine.

Tie-offs

Anchor points of Tie-off are installed. They are used to connect the safety belts of workers for maintenance and cleaning work.



Specifications

Engine

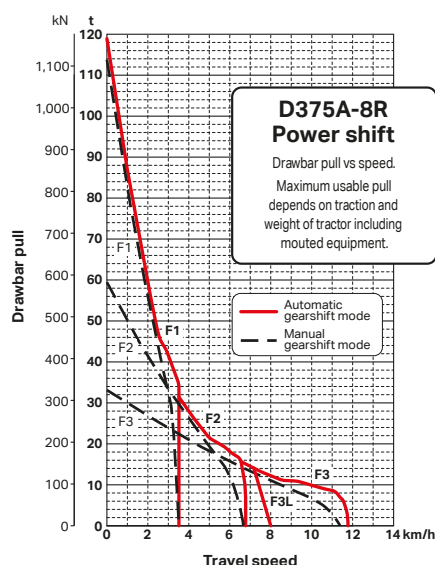
Model	Komatsu SAA6D170E-7		
Type	4-cycle, water-cooled, direct injection		
Aspiration	Turbocharged, air-to-air charge air cooler		
Number of cylinders	6		
Bore x stroke	170 mm x 170 mm		
Piston displacement	23.15 L		
Governor	Mid-range, electronic		
Horsepower:			
SAE J1995	Gross: Forward	474 kW 636 hp	
ISO 14396	Reverse	578 kW 775 hp	
ISO 9249 / SAE J1349*	Net: Forward	455 kW 609 hp	
	Reverse	558 kW 748 hp	
Rated rpm	1,800 rpm		
Fan drive type	Hydraulic		
Lubrication system:			
Method	Gear pump, force lubrication		
Filter	Full-flow		
cooling fan	Forward/reverse 432/536 kW 580/719 hp		

Article n°35 of regulation (EU) 2016/1628; NRE-v-7.

Torqueflow transmission

Komatsu TORQFLOW transmission consists of a water-cooled, 3-element, 1-stage, 1-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 accidental starts.

Gear	Forward	Reverse
1 st	3.5 km/h	4.6 km/h
2 nd	6.8 km/h	8.9 km/h
3 rd L	8.0 km/h	9.7 km/h
3 rd	11.8 km/h	15.8 km/h



Final drives

Double-reduction final drive of spur and planetary gear sets to increase tractive effort and reduce gear tooth stresses for long final drive life. Segmented sprocket teeth are bolt-on for easy replacement.

Steering system

Finger command control system, wet multiple-disc steering clutches are spring-loaded and hydraulically released. Wet multiple-disc, pedal/lever controlled steering brakes are spring-actuated hydraulically released and require no adjustment. Steering clutches and brakes are interconnected for easy, responsive steering.

Minimum turning radius	4.2 m
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Undercarriage

Suspension	Oscillating equalizer bar with shoulder pad and pivot shaft
Track roller frame	Cylindrical, high-tensile-strength steel construction
Rollers and idlers	Lubricated track rollers

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.

Extreme service track shoes:

Lubricated tracks. Unique seals prevent entry of foreign abrasives into pin to bushing clearances to provide extended service life. Track tension is easily adjusted with grease gun.

Number of shoes (Each side)	41
Grouser height (Single grouser)	93 mm
Shoe width (Standard)	610 mm
Ground contact area	48,560 cm ²
Ground pressure (Tractor)	118 kPa 1.20 kgf/cm ²
Number of track rollers	8
Number of carrier rollers	2

Extreme Service Shoes	Additional Weight	Ground Contact Area	Ground Pressure*
710 mm	680 kg	56,520 cm ²	103 kPa 1.05 kgf/cm ²
810 mm	1,360 kg	64,480 cm ²	91.0 kPa 0.93 kgf/cm ²

*Tractor

Coolant and lubricant capacity (refill)

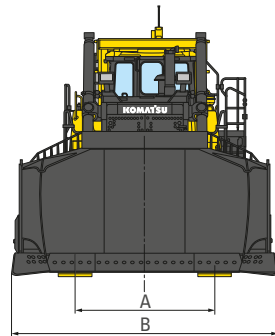
Fuel tank	1,200 L
Coolant	153 L (153 L)
Engine	86 L (80 L)
Torque converter, transmission, bevel gear, and steering system	275 L (150 L)
Final drive (Each side)	61 L (61 L)

Specifications

Dimensions

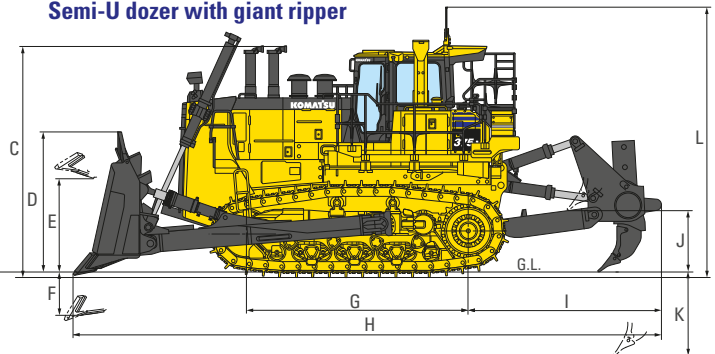
A	2,500 mm
B	4,775 mm
C	4,160 mm
D	2,525 mm
E	1,690 mm
F	735 mm
G	3,980 mm
H	10,560 mm
I	3,460 mm
J	1,120 mm ^{*1}
K	1,485 mm ^{*2}
L	4,865 mm

*1 Maximum lift above ground.
*2 Maximum drop below ground.



Ground clearance: 658 mm

Semi-U dozer with giant ripper



Operating Weight

Tractor weight	58,460 kg
Including rated capacity of lubricant, coolant, full fuel tank, operator, and standard equipment.	

Operating weight	76,520 kg
Including Strengthened dual tilt Semi-U dozer, giant ripper, cab, ROPS (ISO 3471), Platform, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.	

Ground pressure	155 kPa 1.58 kgf/cm ²
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Hydraulic System

Hydraulic control unit:	
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 366 L/min for implement at rated engine rpm.	

Relief valve setting	for implement 29.8 MPa 304 kgf/cm ²
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Control valves:	
Spool control valve for Semi-U tilt dozer and U tilt dozer.	
Positions: Blade lift	Raise, hold, lower, and float
Blade tilt	Right, hold, and left
Additional control valve required for variable digging angle multi-shank ripper and giant ripper.	
Positions: Ripper lift	Raise, hold, and lower
Ripper tilt	Increase, hold, and decrease

Hydraulic cylinders	Double-acting, piston
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	Number of Cylinders	Bore
Blade Lift	2	140 mm
Blade Tilt (Dual tilt)	2	200 mm
Ripper Lift	2	200 mm
Ripper Tilt	2	180 mm

Hydraulic oil capacity (Refill):	
Semi-U dozer or U dozer	130 L

Ripper equipment (Additional volume):	
Giant ripper	42 L
Multi-shank ripper (Variable)	42 L

Dozer Equipment

Blade capacities are based on the ISO recommended practice 9246.

	Overall length with dozer	Blade capacity (ISO 9246)	Blade length x height with spill guard height	Maximum lift above ground	Maximum drop below ground	Maximum tilt adjustment	Weight		Ground pressure*
							Dozer equipment	Hydraulic oil	
Strengthened dual tilt Semi-U dozer with spill guard	7,855 mm	18.5 m ³	4,775 mm x 2525 mm	1,690 mm	735 mm	1,170 mm	12,000 kg	50 kg	155 kPa 1.58 kgf/cm ²
Strengthened dual tilt U dozer with spill guard	8,215 mm	22.0 m ³	5,215 mm x 2525 mm	1,690 mm	735 mm	1,280 mm	12,700 kg	50 kg	156 kPa 1.59 kgf/cm ²

*Ground pressure shows tractor with cab, ROPS (ISO 3471), variable giant ripper, standard equipment and applicable blade.

Standard and optional equipment

Standard equipment for base machine

Access lights
 Air conditioner with heater and defroster
 Alternator, 24 V/140 A
 Back-up alarm
 Blower cooling fan
 Canister-type breather
 Color monitor
 Concentrated sampling points
 Decelerator pedal
 Double wiper for cab door
 Dry-type air cleaner with dust evacuator and dust indicator
 Dual tilt dozer
 Eight-roller track frames
 Electrical dust indicator
 Evacuation service center
 Fast fuel fill system
 Final drive case wear guard
 Finger command control system
 Group Lube for ripper
 High mount head lights
 Hinged front mask
 Hinged fan support
 Hinged underguards with front pull hook
 Horn, warning
 Hydraulics for dozer
 Hydraulics for ripper
 Hydraulic track adjusters
 Isolator box
 LED light
 Komtrax Plus with Iridium
 Lighting system (including four front and two rear lights)
 Lockup torque converter
 Lunch box holder
 Maintenance-free batteries, 2 x 12 V/160 Ah*
*5 hour rate capacity
 Manual emergency engine shutdown switches
 Mirror, rearview
 Multifunction audio
 Perforated side covers
 Platform with hand rails and toe boards
 Provision for power ladder
 Radiator reserve tank
 Rear view monitor system
 Seat
 Air suspension seat, fabric, low back rest, head rest, heater and ventilator
 Seat belt
 Segmented sprockets
 Shoes, 610 mm extreme service, single-grouser
 Starting motors, 2 x 24 V/11 kW
 TORQFLOW transmissions
 Track roller guards
 Track shoe slip control system
 Two muffler with rain cap

Uninterrupted power source for 3rd party system
 Vandalism protection kit (Cover locks)
 Wet steering clutches
 Working light for the engine bay

Optional equipment

Counterweight
 End bits
 -Heavy wall type
 Extreme service shoes
 -710 mm
 -810 mm
 Hitch
 Light for ripper point
 Strengthened Semi-U blade
 Strengthened U blade
 Tool kit
 PCCS lever steering control
 Power ladder

ROPS*

Weight	600 kg
Width	1,965 mm
Height	
Compartment floor to ceiling	1,865 mm

*Meets ISO 3471 standards.

Multi-shank ripper

Hydraulically controlled parallelogram ripper with three shanks. Ripping angle is steplessly adjustable.	
Weight (Including hydraulic control unit and oil)	6,450 kg
Beam length	2,910 mm
Maximum lift above ground	1,155 mm
Maximum digging depth	1,140 mm

Variable giant ripper

Variable, parallelogram single-shank ripper ideal for ripping up tough material. Ripping angle is variable. Ripping depth is adjustable in three stages by a hydraulically controlled pin puller.	
Weight (Including hydraulic control unit and oil)	4,900 kg
Beam length	1,600 mm
Maximum lift above ground	1,120 mm
Maximum digging depth	1,485 mm

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