D375A-6

HORSEPOWER
Gross: 474 kW 636 HP @ 1800 rpm
Net: 455 kW 610 HP @ 1800 rpm

OPERATING WEIGHT
71640 kg 157,940 lb

Photo may include optional equipment.
D375A-6 CRAWLER DOZER

Walk-Around

SAA6D170E-5 turbocharged after-cooled diesel engine provides an output of 474 kW 636 HP with excellent productivity. This machine is EPA Tier 3 and EU stage 3A emissions certified. See page 6.

Preventative maintenance
- Centralized Service Station
- Enclosed Hydraulic Piping
- Modular Power Train Design
- Oil Pressure Checking Ports
See page 9.

Automatic transmission with lockup torque converter increases speed and power to improve fuel consumption and productivity. See page 6.

Large blade capacities:
- 18.5 m³ 24.2 yd³ (Semi-U dozer)
- 22.0 m³ 28.8 yd³ (U dozer)

Simple hull frame and monocoque track frame with pivot shaft for greater reliability.

The Dual tilt dozer (optional) increases productivity while reducing operator effort. See page 6.

Track link design reduces maintenance cost by making turning pins easier, with improved pin reuse. See page 9.

Low-drive, long-track, eight roller undercarriage provides outstanding grading ability and stability.

Track shoe slip control system (optional) reduces operator fatigue. See page 7.

Komatsu-integrated design for the best value, reliability, and versatility. Hydraulics, power train, frame, and all other major components are engineered by Komatsu. You get a machine whose components are designed to work together for higher production, greater reliability, and more versatility.

Hydraulic drive radiator cooling fan controlled automatically, reduces fuel consumption and operating noise levels. See page 9.

Hexagonal designed cab includes:
- Spacious interior
- Comfortable ride with cab damper mounting and K-bogie undercarriage
- Excellent visibility
- High capacity air conditioning system (optional)
- PCCS (Palm Command Control System) lever
- Pressurized cab (optional)
- Adjustable left armrest
- Travel control console integrated with operator seat
See page 8.

Large TFT LCD monitor
- Easy-to-see and use 7" large multi-color monitor.
- Can be displayed in 10 languages for global support.
TFT: Thin Film Transistor
LCD: Liquid Crystal Display
See page 8.

ECMV (Electronic Controlled Modulation Valve) controlled steering clutch/brake system facilitates smooth and shockless steering operation. See page 5.

PCCS (Palm Command Control System)
- Electronic controlled PCCS travel control
- Hydraulic controlled PCCS blade/ripper control
- Fuel control dial
- Automatic/manual gearshift selectable mode
- Gearshift pattern preset function
- ECMV controlled transmission
See page 4.

Rippers (optional):
- Variable giant
- Multi-shank
See page 7.

K-Bogie undercarriage system
- high traction, component durability, and operator comfort.
See page 8.

Extra-low machine profile
- provides excellent machine balance and low center of gravity.

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**Control Features**

Komatsu’s ergonomically designed control system “PCCS” creates an operating environment with “complete operator control.”

**Human-Machine Interface**

**Palm command electronic controlled travel control joystick**

Palm command travel joystick provides the operator with a relaxed posture and superb fine control without operator fatigue. Transmission gear shifting is simplified with thumb push buttons.

**Fully adjustable suspension seat and travel control console**

For improved rear visibility during return part of cycle, the operator can adjust the seat 15° to the right. The transmission and steering controls move with the seat for best operator comfort. The travel control console also has adjustments fore and aft and for height. With an independently adjustable armrest, each D375A operator can adjust control positions to his individual preference, providing optimum operational posture for all operators.

**Palm command PPC controlled blade control joystick**

Blade control joystick uses the PPC (Proportional Pressure Control) valve and the same palm command type joystick as travel control joystick. PPC control, combined with the highly reliable Komatsu hydraulic system, provides superb fine control. (Dual tilt and pitch operation are activated by depressing switch with a thumb. This is available with optional dual tilt dozer.)

**Height adjustable blade control armrest**

Blade control armrest is height adjustable without any tools in three stages, providing the operator with firm arm support and ideal armrest positioning.

**Position adjustable ripper control lever**

Ripper control lever is position adjustable, providing optimum operation posture for all operators during ripping operations facing front or watching ripper point.

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**Outline of electronic control system**

**Power Train Electronic Control System**

**Smooth operation**

D375A-6 uses a newly designed power train electronic control system. The controller registers the amount of operator control (movements of lever and operation of switches) and machine condition signals from each sensor, and calculates to accurately control torque converter, transmission, steering clutches and brakes for optimized machine operation. The ease of operation and productivity of the new D375A-6 is greatly improved by numerous new functions.

**ECMV (Electronic Controlled Modulation Valve) controlled transmission**

Controller automatically adjusts each clutch engagement depending on travel conditions such as gear speed, revolution and shifting pattern. This provides shockless smooth clutch engagement, improved component reliability, expansion of component life and operator riding comfort.

**ECMV (Electronic Controlled Modulation Valve) controlled steering clutches/brakes**

Sensors monitor machine operating conditions, and the controller activates ECMV electronically to control steering clutches and brakes depending on type of job, such as size of load during dozing, incline angle of slope or load, providing smooth and ease of operation by reducing counter-steering on downhill travel, etc.

**Effect of ECMV steering clutches/brakes control**

When dozing and turning, ECMV automatically controls steering clutches and brakes depending on degree of load, enabling smooth dozing and turning.

**Preset travel speed selection function**

When the gearshift pattern is set to either <F1-R2>, <F2-R2> or <F2-R3L> in automatic gearshift mode, the gear is automatically shifted, reducing round trip repetition work time and operator’s efforts.

**Auto downshift function**

Controller monitors engine speed, travel gear and travel speed. When load is applied and machine travel speed is reduced, the transmission automatically downshifts to optimum gear speed to provide high fuel efficiency. This function provides comfortable operation without manual downshift and high productivity.
For improved rear visibility during return part of cycle, the operator can adjust the seat 15° to the right. The console also has transmission and steering controls move with the seat for operator comfort. The travel control console also has fully adjustable suspension seat and travel control console.

Human-Machine Interface

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Facing front

When turned 15°

Outline of electronic control system

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Effect of ECMV steering clutches/brake control
When dozing and turning, ECMV automatically controls stroke ratio of steering clutches and brakes depending on degree of load, enabling smooth dozing and turning.

Preset travel speed selection function
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D375A-6 CRAWLER DOZER

PRODUCTIVITY FEATURES

K-Bogie undercarriage system
K-Bogie undercarriage system combines prior advantages with additional features.
- K-Bogies that oscillate with two fulcrums assure large amount of track roller vertical travel. Impact load to undercarriage components is minimized and durability of components is improved since track rollers are always in contact with track link.
- Track rollers follow track link movement to extend the undercarriage life.
- Excellent riding comfort is provided due to less vibration and shock when traveling over rough terrain.
- K-Bogies with front and rear single bogies are utilized providing increased length of track on ground to improve machine stability and leveling performance.
- The oscillating idler and increased sprocket lead angle improve riding comfort when traveling over rough terrain.

Large blade
Capacities of 18.5 m³ (24.2 yd³) (Semi-U dozer) and 22.0 m³ (28.8 yd³) (U dozer) yield outstanding production. High-tensile strength steel comprising the front and sides of the blade increase durability. The shape of the blade features high load hauling efficiency. The end bit with improved cutting performance is standard equipment.

Dual tilt dozer (optional)
The dual tilt dozer increases productivity while reducing operator effort.
- Optimum blade cutting angle for all types of materials and grades can be selected on-the-go for increased load and production.
- Digging, hauling, and dumping are easy and smooth with less operator fatigue.
- Dozer tilt angle and tilt speed are twice that of a conventional single tilt system.

Rippers (optional)
- The variable giant ripper features a long sprocket center-to-ripper point distance, making ripping operation easy and effective while maintaining high penetration force.
- The variable giant ripper is a parallelogram single shank ripper ideal for ripping tough material. The rippling angle is variable, and the depth is adjustable in three stages by a hydraulically controlled pin puller.
- The multi-shank ripper is a hydraulically controlled parallelogram ripper with three shanks.

Automatic/manual gearshift and shoe slip control (optional) selectable mode
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. (The mode can be selected when the travel control joystick is 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 optimizes 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.

Working mode
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.

Track shoe slip control mode (optional)
- Eliminates the need for the operator to constantly control engine power output with the decelerator pedal while ripping. Operator fatigue is substantially reduced.
- Maneuverability is improved because the operator is free to focus on the ripping application without having to monitor the track shoe slippage.
- Repair costs are significantly lowered and undercarriage life is prolonged with the reduction in track shoe slippage.

Engine
The Komatsu SAA6D170E-5 engine delivers 474 kW (636 HP) at 1800 rpm. The fuel-efficient Komatsu engine, together with the heavy machine weight, make the D375A-6 a superior crawler dozer in both ripping and dozing production. The engine is EPA Tier 3 and EU stage 3A emissions certified, and features direct fuel injection, turbocharger, air-to-air aftercooler and cooled EGR system to maximize fuel efficiency. To minimize noise and vibration, the engine is mounted to the main frame with rubber cushions.

Hydraulic drive radiator cooling fan
Fan rotation is automatically controlled depending on coolant and hydraulic oil temperature, saving fuel consumption and providing great productivity with a quiet operating environment.

Automatic transmission with lockup torque converter
A sharp reduction in fuel consumption and greater power train efficiency is achieved by the new automatic gearshift transmission and lockup 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.)
The variable giant ripper features a long sprocket center-to-ripper point distance, making K-Bogies with front and rear single bogies are utilized. P Mode (Power mode) The mode for work requiring large production, heavy-load work, and uphill work. With P mode, the engine outputs its full power. Select this mode for the work requiring large production, heavy-load work, and uphill work.

The variable giant ripper is a parallelogram single shank ripper ideal for ripping tough material. The ripper angle is variable, and the depth is adjustable in three stages by a hydraulically controlled pin puller.

The multi-shank ripper is a hydraulically controlled parallelogram ripper with three shanks. The oscillating idler and increased sprocket lead angle improve riding comfort when travelling over rough terrain.

Digging, hauling, and dumping are easy and smooth with less operator fatigue.

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- Track rollers follow track link movement to extend the undercarriage life.
- Excellent riding comfort is provided due to less vibration and shock when traveling over rough terrain.
- K-Bogies with front and rear single bogies are utilized providing increased length of track on ground to improve machine stability and leveling performance.
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Dual tilt dozer (optional)
The dual tilt dozer increases productivity while reducing operator effort.

- Optimum blade cutting angle for all types of materials and grades can be selected on-the-go for increased load and production.
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- Dozer tilt angle and tilt speed are twice that of a conventional single tilt system.

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- 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.
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Track shoe slip control mode (optional)

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- Repair costs are significantly lowered and undercarriage life is prolonged with the reduction in track shoe slippage.
- The track shoe slip control system will contribute to lower fuel costs, because the engine output is automatically controlled to optimum levels for operation.

Rippers (optional)
- The variable giant ripper features a long sprocket center-to-ripper point distance, making ripping operation easy and effective while maintaining high penetration force.
- The variable giant ripper is a parallelogram single shank ripper ideal for ripping tough material. The ripper angle is variable, and the depth is adjustable in three stages by a hydraulically controlled pin puller.
- The multi-shank ripper is a hydraulically controlled parallelogram ripper with three shanks.
Hexagonal pressurized cab
- The cab's hexagonal design and large tinted glass windows provide excellent front, side and rear visibility.
- Air filters and a higher internal air pressure combine to prevent dust from entering the cab.

Fresh air intake from rear of engine hood
The air conditioner air intake port is now located at the rear of the engine hood where there is minimal dust. As a result, the air inside the cab is always clean. Cleaning interval of the filter is greatly extended, and use of a new structure filter element facilitates cleaning and replacement.

Large multi-lingual LCD color monitor
A large user-friendly color monitor enables safe, accurate and smooth work. Improved screen visibility is achieved by use of TFT (Thin Film Transistor) liquid crystal display that can easily be read at various angles and lighting conditions. Simple and easy to operate switches. Industry first function keys facilitate multi-function operations. Display data in 10 languages to globally support operators around the world.

Low Maintenance Costs

Track link with wedge ring
D375A-6 track links feature reduced press-fit force and a wedge ring. Conventional track pins are retained only with a large press-fit force. The track link divides pin forces between the wedge ring and press-fit force. This results in easier service with reduced pin damage when turning pins and bushings. The result is improved undercarriage life and reduced maintenance cost through reduced wear, greater pin reusability, and reduced maintenance man-hours.

Highly reliable electric circuit
The electrical circuit reliability is increased by utilizing dust, vibration and corrosion resistant "DT connectors". The reinforced electrical wiring harnesses include a circuit breaker and are covered with a heat-resistant material to increase mechanical strength, provide longer life, and protect the system from damage.

Flat face O-ring seals
Flat face O-ring seals are used to securely seal all hydraulic hose connections and to prevent oil leakage.

Enclosed hydraulic piping
Hydraulic piping for the blade tilt cylinder is completely housed in the push arm protecting it from damage.

Modular power train design
Power train components are sealed in a modular design that allows the components to be dismantled and mounted without oil spillage, making servicing work clean, smooth, and easy.

Maintenance-free disc brakes
Wet disc brakes require less maintenance.

Preventative Maintenance
Preventative maintenance is the only way to ensure long service life from your equipment. That's why Komatsu designed the D375A-6 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

Multi-monitor with troubleshooting function to prevent critical machine troubles
Various meters, gauges, and warning functions are centrally arranged on the multi-monitor. Offers ease of start-up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities should occur. In addition, countermeasures are indicated in 4 stage codes to ensure safety and prevent the machine from major problems. Replacement times for oil and filters are also indicated.

Centralized service station
To ensure convenient maintenance, the transmission and torque converter oil filters are both arranged next to the power train oil level gauge.

Oil pressure checking ports
Pressure checking ports for power train components are centralized to promote quick and simple diagnosis.

Enlarged engine room
Engine room space is enlarged by increasing engine hood height, facilitating maintenance of the engine and related equipment. Solid engine hood prevents dust and rain from entering and keeps the engine clean.

Gull-wing engine side covers
Gull-wing engine side covers facilitate engine maintenance and filter replacement. Side covers are a thick two-piece structure with bolt-on latch to improve durability and repairability.

Maintenance warning screen
Abnormality warning screen
Maintenance List screen for replacement time display
**EASY MAINTENANCE**

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**Low Maintenance Costs**

**Track link with wedge ring**

D375A-6 track links feature reduced press-fit force and a wedge ring. Conventional track pins are retained only with a large press-fit force. The track link divides pin forces between the wedge ring and press-fit force. This results in easier service with reduced pin damage when turning pins and bushings. The result is improved undercarriage life and reduced maintenance cost through reduced wear, greater pin reusability, and reduced maintenance man-hours.

**Highly reliable electric circuit**

The electrical circuit reliability is increased by utilizing dust, vibration and corrosion resistant “DT connectors”. The reinforced electrical wiring harnesses include a circuit breaker and are covered with a heat-resistant material to increase mechanical strength, provide longer life, and protect the system from damage.

**Flat face O-ring seals**

Flat face O-ring seals are used to securely seal all hydraulic hose connections and to prevent oil leakage.

**Enclosed hydraulic piping**

Hydraulic piping for the blade tilt cylinder is completely housed in the push arm protecting it from damage.

**Modular power train design**

Power train components are sealed in a modular design that allows the components to be dismounted and mounted without oil spillage, making servicing work clean, smooth, and easy.

**Maintenance-free disc brakes**

Wet disc brakes require less maintenance.
### NEW SAFETY & MAINTENANCE FEATURES

Komatsu designs our bulldozers with safety in mind. Following safety features are optionally available for D375A-6.

#### Highly mounted headlights
- Illuminate the places in front of the machine more effectively. Use of HID lamps allows for performing night works more safely.

#### Rear view camera
- Allows the operator to see the rear view image sent from it on the monitor. (Be sure to check the safety around the machine with your eyes. The rear view camera is a mere supplement device to check the rear safety.)

#### Manual emergency engine shutdown switches *
- In case you urgently need to stop the engine, use either of the two switches installed in the cab and at the rear right of the machine. (Do not use the switches for normal engine stop.)

#### Uninterrupted power source *
- Uninterrupted power source allows for 2-way radio communication at any time. Interior lights can be turned on without connecting to the grid.

#### Access lights *
- Access lights are installed at two places (the right and left) of the front and at one place of the rear of the machine for safe getting on/off and servicing at night.

#### Working light for the engine bay *
- Working light is installed inside the engine hood (left side) to facilitate night-time inspection and maintenance.

#### Isolator box *
- Battery isolator and starting motor isolator are housed in the isolator box on the left side of the machine to facilitate cut-off of the battery circuit for the maintenance of the machine.

### SPECIFICATIONS

#### ENGINE
- **Model**: Komatsu SAA6D170E-5
- **Type**: Turbocharged, air-to-air aftercooled, cooled EGR
- **Number of cylinders**: 6
- **Bore x stroke**: 170 mm x 170 mm (6.69” x 6.69”)
- **Piston displacement**: 23.15 ltr (1.413 in³)
- **Governor**: All-speed and mid-range, electronic
- **Horsepower**: SAE J1995 Gross 474 kW (636 HP) ISO 9249 / SAE J1349 Net 455 kW (615 HP)
- **Rated rpm**: 1800 rpm
- **Fan drive type**: Hydraulic
- **Lubrication system**: Gear pump, force lubrication
- **Filter**: Full flow

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

#### UNDERCARRIAGE
- **Suspension**: Oscillating equalizer bar and pivot shaft
- **Track roller frame**: Cylindrical, high-tensile-strength steel construction
- **Rollers and idlers**: Lubricated track rollers
- **K-Bogie undercarrage**: Lubricated track rails are resiliently mounted to the track frame with a bogie suspension system whose oscillating motion is cushioned by rubber pads.
- **Extreme service track shoes**: Limited 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**: 93 mm (3.7”)
- **Shoe width (standard)**: 610 mm (24”)
- **Ground contact area**: 48560 cm² (7,527 in²)
- **Ground pressure (track)**: 108 kPa (15.6 psi)
- **Number of track rollers**: 8
- **Number of carrier rollers**: 2

#### COOLANT AND LUBRICANT CAPACITY (REFILL)
- **Fuel tank**: 1200 ltr (317.0 U.S. gal)
- **Coolant**: 130 l (31.7 U.S. gal)
- **Engine**: 86 l (22.7 U.S. gal)
- **Torque converter, transmission, bevel gear, and steering system**: 150 l (39.6 U.S. gal)
- **Final drive (each side)**: 65 l (17.1 U.S. gal)
NEW SAFETY & MAINTENANCE FEATURES

Komatsu designs our bulldozers with safety in mining operations. Following safety features are optionally available for D375A-6.

Highly mounted headlights
Illuminate the places in front of the machine more effectively. Use of HID lamps allows for performing night work more safely.

Rear view camera
Allows the operator to see the rear view image sent from it on the monitor. (Be sure to check the safety around the machine with your eyes. The rear view camera is a mere supplement device to check the rear safety.)

Manual emergency engine shutdown switches *
In case you urgently need to stop the engine, use either of the two switches installed in the cab or at the right rear of the machine. (Do not use the switches for normal engine stop.)

Uninterrupted power source *
Uninterrupted power source allows for 2-way radio communication at any time. Interior lights can be turned on with the starting switch at OFF position. (The lights do not work with the opening/closing of the cab door.)

Access lights *
Access lights are installed at two places (the right and left) of the front and at one place of the rear of the machine for safe getting on/off and servicing at night.

Working light for the engine bay *
A working light is installed inside the engine hood (left side) to facilitate night-time inspection and maintenance.

Isolator box *
Battery isolator and starting motor isolator are housed in the isolator box on the left side of the machine to facilitate cut-off of the battery circuit for the maintenance of the machine.

Jump-start connectors are also provided in the box in case the batteries run out.

A : Starter isolator  B : Batteries isolator
C : Jump start receptacle

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

A : Power train case  B : Flywheel housing
C : Damper case

Evacuation service center *
Coupings (made by Wiggins) installed at the rear left of the machine allows for quick drain and charge of oil and coolant. The service center eliminates the need to get off the machine and to remove/install covers for the work, and realizes safe and quick servicing.

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

Concentrated sampling points *
Concentrated sampling points are remotely arranged in the right storage for the tool box to facilitate sampling of the oil and coolant from each component.

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

Provision for platform *
Provision for platform eliminates the need to modify the machine for installation of platform.

Platform with handrails and toe boards
Platform gives access to the side faces and the rear of the machine. Check and refilling of fuel and hydraulic oil, cleaning of cab window glass, check of cab lights, etc. can be performed with ease.

Safety features marked with * are standard equipment for D375A-6 with mining specification.
**Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall length</th>
<th>Blade capacity</th>
<th>Blade lift</th>
<th>Maximum drop</th>
<th>Maximum lift</th>
<th>Doozer equipment</th>
<th>Hydraulic oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi-U dozer</td>
<td>1972 mm 29.6&quot;</td>
<td>17.2 m 36.4 yd</td>
<td>705 mm 27.9&quot;</td>
<td>765 mm 30.1&quot;</td>
<td>970 mm 38.2&quot;</td>
<td>1026 kg 22.6 lb</td>
<td>45 ltr 45 ltr</td>
</tr>
<tr>
<td>Strengthened Semi-U dozer</td>
<td>1972 mm 29.6&quot;</td>
<td>17.2 m 36.4 yd</td>
<td>705 mm 27.9&quot;</td>
<td>765 mm 30.1&quot;</td>
<td>970 mm 38.2&quot;</td>
<td>1026 kg 22.6 lb</td>
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</tr>
</tbody>
</table>

**Operating Weight**

Tractor weight: 5320 kg 117.290 lb

Including rated capacity of lubricant, coolant, full fuel tank, operator, and standard equipment.

Operating weight: 71640 kg 157,940 lb

Including Semi-U tilt dozer, giant ripper, cab, ROPS, operator, standard equipment, rated capacity of lubricant, coolant, and full fuel tank.

Ground pressure: 1.48 kgf/cm² 21.0 psi

**Hydraulic System**

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

Hydraulic control unit:

- All spool controls are centrally mounted beside the hydraulic tank.
- Variable piston pump with discharge flow of 366 l/min or 96.7 U.S. gal/min at rated engine rpm.
- Relief valve setting: for implement 27.5 MPa 3960 psi

Control valves:

- Spool control variable for Semi-U tilt dozer and Full-U tilt dozer.
- Positions: Blade lift ....... Raise, hold, lower and float
- Blade tilt ....... Right, hold, and left
- Additional control valves required for variable digging angle multi-shank ripper and giant ripper.
- Positions: Ripper lift ....... Raise, hold, and lower
- Ripper lift ....... Increase, hold, and decrease

**Doozer Equipment**

Blade capacities are based on the SAE recommended practice J1265.

**Standard Equipment**

- Alternator, 60 amp/v 24V
- Back-up alarm
- Batteries, 170 Ah/2 x 12V
- Blower cooling fan
- Color monitor
- Decelerator pedal
- Dry-type air cleaner with dust evacuator and dust indicator
- Eight roller track frame
- Electrical dust indicator
- Final drive case guard
- Hinged front mask
- Hinged underguards with front pull hook
- Horn, warning
- Hydraulics for dozer
- Hydraulic track adjusters
- Lighting system (including four front and two rear lights)
- Lockout torque converter
- Muffler with rain cap
- PCCS lever steering control
- Perforated side covers

**Optional Equipment**

- Air conditioner with heater and defroster
- Alternator, 90 amp/v 24V
- Batteries, 200 Ah/2 x 12V
- Car stereo
- Counterweight
- Decelerator
- Door trim panel
- Dual tilt dozer
- End bits
- Eight roller track frame
- Electrical dust indicator
- Final drive case guard
- Hinged front mask
- Hinged underguards with front pull hook
- Horn, warning
- Hydraulics for dozer
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<table>
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<tr>
<th>Operating weight</th>
<th>CRAWLER DOZER D375A-6</th>
</tr>
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<tbody>
<tr>
<td>Tractor weight</td>
<td>53200 kg / 117,290 lb</td>
</tr>
<tr>
<td>Including rated cap of lubricant, coolant, full fuel tank, operator, and standard equipment.</td>
<td></td>
</tr>
</tbody>
</table>

**HYDRAULIC SYSTEM**

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

Hydraulic controlunit:

- All spool valves are centrally mounted beside the hydraulic tank.
- Variable piston pump with capacity (discharge flow) of 368 l/min @ 972 U.S. gal/min for seamless at rated engine rpm.
- Relief valve setting... for operation 27.5 MPa 280 kgf/cm² 3,980 psi

Control valves:

- Spool control valve for Semi-U lift dozer and Full-U lift dozer.
- Positions: Blade lift... RAISE, hold, and lower
- Blade lift...
- Control valve for variable digging angle multi-shank ripper and giant ripper.
- Positions: Ripper lift...
- Additional control valve required for variable digging angle multi-shank ripper and giant ripper.

**DOZER EQUIPMENT**

### Blade capacities

<table>
<thead>
<tr>
<th>Overall length with dozer</th>
<th>Blade capacity</th>
<th>Blade length x height (with spill guard length)</th>
<th>Maximum digging depth</th>
<th>Maximum lift above ground</th>
<th>Maximum drop below ground</th>
<th>Dzer equipment</th>
<th>Hydraulic oil</th>
<th>Ground Pressure</th>
</tr>
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<td>Semi-U dozer</td>
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<td>4160 mm x 2255 mm (2055) 17° x 7° (8.3°)</td>
<td>1140 mm 3'9&quot;</td>
<td>366 ltr/min</td>
<td>23800 kg 108 lb</td>
<td>13600 mm 5'4&quot;</td>
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*Ground pressure shows tractor with cab, ROPS, variable giant ripper, standard equipment and applicable blade.
D375A-6

HORSEPOWER
Gross: 474 kW 636 HP @ 1800 rpm
Net: 455 kW 610 HP @ 1800 rpm

OPERATING WEIGHT
71640 kg 157,940 lb

Photo may include optional equipment.