



2864C SITE PREP TRACTOR



	2864C
Engine	Cat® C9 ACERT™
Engine Power	261 kW (350 hp)
Wheelbase	3048 mm (120")

Built for Your Toughest Land Management Projects

Runs cool, stays clean and powers high flow attachments.

The Prentice™ 2864C Site Prep Tractor, a multi-purpose, heavy-duty machine with the muscle to run power-hungry mulchers and brushcutters has a long history. Now this machine has been updated to boost performance and improve operator comfort and safety. Tackle a variety of land management projects with one machine and lower your owning and operating costs. Applications include residential/commercial development, utility and pipeline right-of-way construction and maintenance, wetlands and wildlife habitat management, plantation reclamation and management, and clearing for flood control and firebreaks.

The Prentice MD-250 Mulcher and MR-244 Brushcutter, new work tools that match the powerful capability of the 2864C, are available from the factory and supported by Prentice dealers.

Contents

Built for Your Toughest Land Management Projects	3
Engine	4
Cooling System	5
Power Train	6
Structures	7
Hydraulics	8
Operator Station	10
Advanced Controls	12
Pressurized Compartments	13
Serviceability	14
Integrated Technologies	16
Safety	17
Sustainability	17
Attachments	18
Customer Support	20
2864C Site Prep Tractor Specifications	21
2864C Site Prep Tractor Standard Equipment	23
2864C Site Prep Tractor Optional Equipment	23





Lower Owning and Operating Cost

You'll burn less fuel and get more power because of advances in engine technology and machine design.

Powerful Performance

The 350 hp engine and oversized hydraulic system push more flow to power-hungry attachments, such as mulchers and brushcutters. The new PowerDirect Plus optimizes machine efficiency and performance by monitoring operator and attachment hydraulic demand and delivering power where and when it is needed. Simultaneous lift-tilt and lift-steer functions and attachment recovery are faster than major competitive machines.

Clean, Cool Operation

You need a machine that runs cool and doesn't collect debris when you're working in hot, dry and dusty environments. The high capacity cooling system and on-demand reversing fan keep the machine running cool. Compartments for key systems are pressurized to keep debris out and electronics and sensors cool. You'll have more uptime and spend less time blowing out this tractor. Additional features keep this tractor running at peak efficiency if your environment is cold and snowy.

Easy maintenance

Daily service points are in easy reach. Add hydraulic oil with the electric pump and refuel with your boots on solid ground. Reach more components with the tilting cab, hinged access panels and three-sided access to the engine and hydraulic pumps.

Comfortable cab

The weight distribution and cab positioned between the axles give you a stable, smooth ride. The standard air suspension seat with neck and back support and high capacity HVAC system add to your comfort. A clean three-piece front windshield, standard back-up camera and skylight give you a 360° view, including the rear tires. Additional functions enhance operation and reduce operator fatigue, including Control Adjustability, Terrain Selection Mode, Creep Mode, Road Steer Mode, and optional Attachment Float Control.

Stays in the field

This tractor does an extremely good job of staying in the field. Robust box section frames and a field-proven center hitch design provide a solid foundation. The control valve, pumps and cylinder seals were "torture" tested to ensure reliability. Steering cylinder mounts and chrome plated lift arm and tilt link pins are two more examples of structural features built into this tractor to increase uptime and machine life.

"Stuck-to-the-Ground" Stability

The engine is at the back of the machine providing better weight distribution and the counterbalance needed for heavy-duty mowing and mulching attachments. The center hitch is positioned between the front and rear axles to facilitate tire tracking. Combined with the improved weight distribution and balance that results from the rear engine position, the agility of this tractor is a distinct advantage.



Engine

More horsepower, less fuel

The Prentice Site Prep Tractor is powered by a Cat® engine, the 261 kW (350 hp) C9 ACERT™. Field data and customer input have shown that the C9 engine delivers more horsepower at lower engine speeds using less fuel than the previous series.

Cat C9 ACERT Tier 4 Interim engine: Available in Highly Regulated Countries (HRC)

The 2864C, available in Highly Regulated Countries (HRC), is equipped with the Cat C9 ACERT engine that reduces emissions equivalent to U.S. EPA Tier 4 Interim and EU Stage IIIB levels. New technology was incorporated to ensure that changes to reduce emissions would not increase operating costs, reduce uptime or shorten service life.

Driven by customer input, Caterpillar's aftertreatment regeneration emissions solution works with no operator intervention needed. The machine comes with two modes of regeneration: automatic and manual. In automatic mode,

the machine starts the regeneration process once the filtering system reaches a specified level and conditions are optimal. Productivity is not affected by the regeneration process. The system will not interrupt work and can regenerate during machine operation with no impact on machine performance.

With a touch of a button inside the cab, the operator can override the automatic mode and switch to manual mode for initiating or disabling the regeneration process. On average, regeneration is needed only every 10 hours and takes 20-25 minutes. The diesel particulate filter only needs to be cleaned every 5,000 hours – approximately every two years.

The C9 ACERT engine is equipped with an electronic-controlled high-pressure fuel system that includes an electric priming pump and three-layer fuel hose to allow the use of biodiesel.

Biodiesel Ready

The C9 engine is designed to burn biodiesel fuel (meeting ASTM 6751 or EN 14214) up to B20 (biodiesel 20 percent mixture).

Cooling System

High capacity, easy servicing

The high capacity cooling system and on-demand reversing fan keep the machine running at the proper operating temperature, optimizing performance, durability and fuel efficiency.

Cooling System

The cooling system is arranged in two panels for easy access to all components. The air conditioning condenser and fuel cooler are integrated into a hinged panel that tilts out for easy cleaning and to access the primary panel with the side-by-side mounted primary hydraulic oil cooler, dedicated case drain hydraulic oil cooler, engine radiator and air-to-air aftercooler (ATAAC).

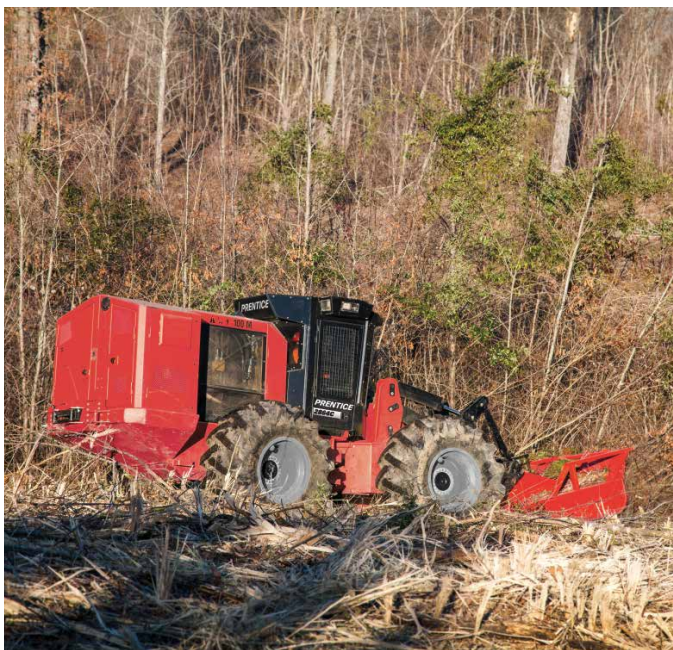
On-demand Reversing Fan

The oversized, hydraulically driven fan spins at a slower speed overall and only turns as fast as needed to maintain proper hydraulic and engine temperatures. In colder weather or when the machine is first started, for example, the fan spins more slowly to conserve power and fuel and reduce noise. Air is pulled in from the side – not from the engine or from under the hood – preventing debris build-up around the engine. It automatically reverses every five minutes of run time to keep the cooling system free of debris. A manual override allows the operator to activate reversal between scheduled cycles. A heavy-duty fan shroud provides protection when servicing.



Power Train

Reliable hydrostatic drive



Cat engines, field-proven hydrostatic drive and Cat axles make a solid, responsive power train. A new design to keep the gearbox well lubricated provides even more durability.

Triple Pad Pump Drive

The Prentice C Series design features a triple pad pump drive. One drive runs the attachment pump; the second the main machine pump; and the third runs the hydrostat and fan pumps.

Two-speed Gearbox

The two-speed gearbox is mounted horizontally instead of vertically, eliminating the need for splash lubrication and improving durability.

Axles

Axles feature a full-length oil sump for excellent heat rejection and long component life. An oscillating rear axle absorbs shock loads caused by stumps and holes and helps isolate the cab from axle movement for a smooth, comfortable ride, while maximizing fore-aft stability.

Brakes

The inline parking brake is spring applied and hydraulically released. Inboard service brakes provide excellent performance and are protected from water, dust and oil.

Differential Locks

During normal operation all four wheels move independently to maximize agility. In extreme conditions like slippery or steep terrain, pressing and holding a trigger button on the joystick will engage the front differential lock to make the front tires turn in sync. The rear differential lock is easily engaged and disengaged by an on/off button on the right hand console.



Structures

Durability built into every part

Robust box section frames provide a solid foundation for a machine designed to keep you working. Every structure was engineered for durability and verified through lab and field tests.

Center Hitch

The field-proven center hitch design features large dual tapered roller bearings and 76.2 mm (3 in) diameter pins providing maximum durability. With up to 90° articulation, maneuverability in tight applications is an advantage of the Prentice Site Prep Tractor.

Lift Arms

The precision manufactured lift arms are rugged and designed to support severe loading from the attachment.

Pins

Lift arm and tilt link pins are 63.5 mm (2.5 in) diameter and chrome-plated to prevent corrosion. Micro-cracks in the chrome plating help retain grease on the pin surface to increase durability.

Steering Cylinder Mounts

The steering cylinders are mounted to large, thick plates that are integrated into the frame and extend from the steering cylinders in the center hitch to the axle housings in the front and rear of the machine. These plates carry the steering cylinder force straight to the axles, rather than sending the load through the machine's frame, increasing structural life.

Other Structural Features Include:

- Robust guarding on the tilt arm cylinders to prevent damage from limbs.
- New cylindrical steering stops designed to take abuse and protect the frame when the machine makes a hard turn.
- Big, rigid steps with gripper surface.

Hydraulics

Fast and smooth with PowerDirect Plus



The heart of the 2864C hydraulic system is the new PowerDirect Plus system, which goes beyond load-sensing to efficiently distribute power to increase the capability of each system and maximize productivity.

Electrohydraulic Controls

The 2864C features an electrohydraulic control system. The pedals and joysticks communicate through the machine controller to the pumps and motors using electrical signals, rather than hydraulic, to produce more precise and smoother control.

PowerDirect Plus

PowerDirect Plus is a new system that optimizes the machine's performance by monitoring operator and attachment demand and delivering power where and when it is needed.

PowerDirect Plus does not require the operator to reduce demand or do anything differently – just focus on the work. Critical machine systems in the 2864C are oversized, which increases overall machine capacity. This gives each machine hydraulic system – attachment, hydrostat, main and fan – more capability than ever before.

PowerDirect Plus dedicates the horsepower needed to run power-hungry attachments, such as mulchers and brushcutters, without slowing other functions. The oversized attachment pump pushes more flow to the attachment for faster recovery and minimal stalling.

Control Valve and Pumps

Multi-functioning, an advantage for Prentice Site Prep Tractors, is the result of a high performance control valve. In addition to field-testing, we put the control valve and hydraulic pumps through extensive lab “torture” tests that simulated the most brutal conditions and environment.

Cylinder Seals

Rigorous testing similar to the control valve and pumps and side-by-side testing against competitive cylinders was conducted on the new cylinder seal packages to ensure durability.



System Protection

Spin-on hydraulic oil filters and tank suction line strainers keep hydraulic oil clean, which is critical for machine health. The electric fill pump uses a quick coupler hose stored on the machine to pump oil through the filtration system before it enters the tank, safeguarding the hydraulic system.

Cold Hydraulic Oil Protection

When you first start up the 2864C, the hydraulic oil can be too cold to flow freely, which is important for machine performance and to protect components. A built-in safeguard won't allow you to operate the machine until a special recirculation circuit warms the oil to the proper operating temperature protecting the machine's powerful hydraulic system.

Cat Hoses

Cat ToughGuard™ hoses and O-ring face seals throughout the machine improve machine life and reliability, particularly along the lift arms and through the center hitch due to the increased strength and flexibility. The ToughGuard cover consists of a layer of UHMW polyethylene bonded to the rubber cover, providing exceptional abrasion resistance.

Operator Station

Superior comfort and visibility



Comfort and visibility, of course, but you'll find cab features that go beyond the basics to give you control options that can be customized and new operating functions.

Ride

The cab is centered between the axles for the most comfortable ride possible. No bucking. The standard air suspension seat with neck and back support adds to a smooth ride, keeping the operator comfortable and focused.

HVAC System

The durable, high capacity HVAC (heating, ventilation, and air conditioning) system provides dependable cooling

or heating no matter how hot or cold it gets. Vents in front and on both sides can be directed toward the operator or the windows. This also contributes to increased operator productivity and can help reduce mental and physical fatigue at the end of the day.

Visibility

A clean three-piece front windshield, standard rear view camera and skylight give the operator a 360° view. The operator can see the work zone easily without having to strain or reposition the machine.

Monitor

The display allows the operator to continuously monitor the machine's systems. Early indications give the operator the opportunity to react before potential problems become actual problems. A clean and clear monitor provides detailed machine data to maximize machine uptime and productivity. Finding information is intuitive:

- The home screen displays the condition of primary systems, such as fuel level, engine and hydraulic temperatures, and engine speed and attachment performance information. Press the corresponding button along the bottom of the screen to get more detail on any item. As an example, under the hydraulic system selection, the two-speed gearbox oil level indicator is displayed.
- If an engine or hydraulic problem occurs, the monitor will display an easy-to-understand text explanation, along with any applicable fault codes.
- If a machine condition requires immediate action, a warning buzzer will sound to draw the operator's attention to the monitor. The operator must acknowledge the warning to turn off the alarm. Depending on how serious the warning, the alarm will continue to sound until the condition is remedied.
- Everything the system does is recorded in the system log, a useful feature for monitoring machine health and operator activity.

Control Adjustability

All key operator functions – steering, lift and tilt – are fully adjustable through the machine monitor. Overall speed and response to operator input can be adjusted, maximizing operator comfort and performance.

Joysticks

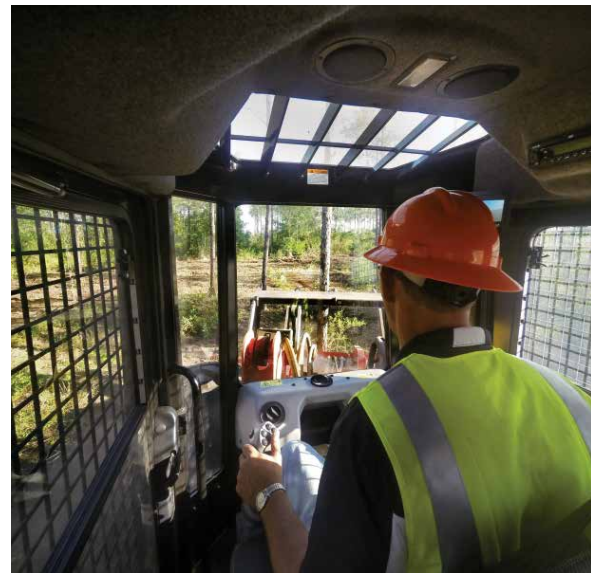
New electrohydraulic joysticks mold to the operator's hands for all day comfort and increased functionality. Electrohydraulic control also means there are no hydraulic pilot lines running to the joysticks, eliminating a potential source of heat in the cab.

Button Pad

The button pad on the right hand console features on/off buttons clearly labeled with large icons for many features, including the parking brake, hydraulic arming and reversing fan.

Other Cab Features Include:

- Two cup holders
- Two 12-volt power points for cell phone chargers etc.
- Coat hook
- AM/FM/CD/Sirius satellite radio package with USB and auxiliary inputs



Advanced Controls

Maximize machine and operator performance

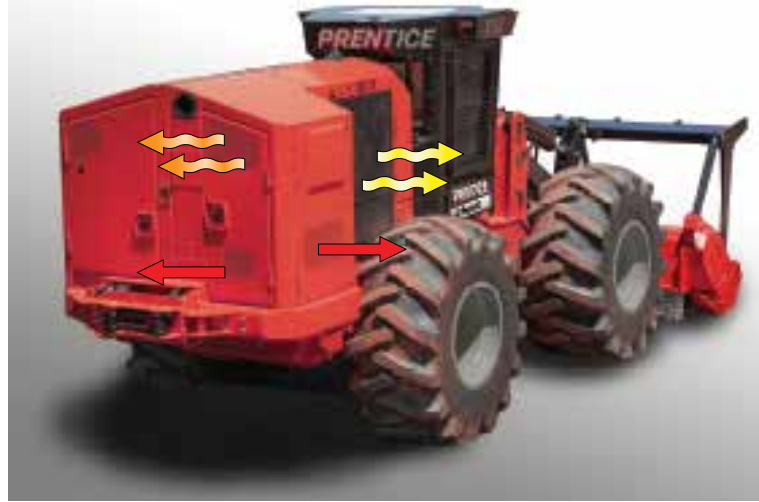
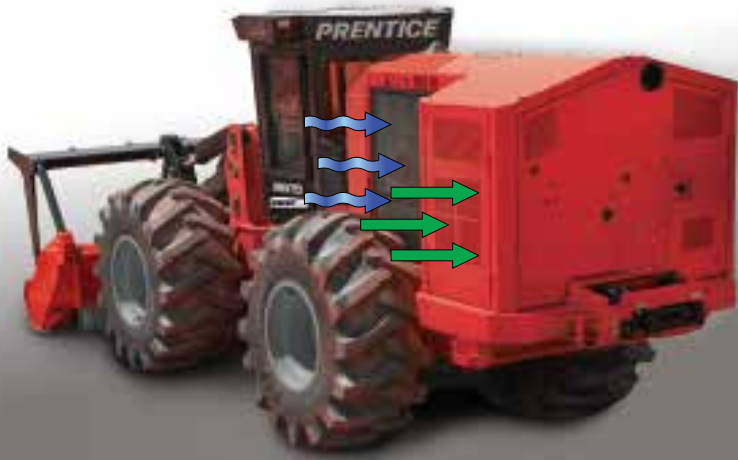







Unique operating modes, combined with complete electrohydraulic controls, provide the operator with a smoother machine with increased productivity. These modes include Creep Mode to easily adjust machine speed to improve mulching, Terrain Selection Mode to optimize performance on hills or flat ground, and Road Steer Mode for high-speed transport of the machine.

- **Creep Mode:** Pushing through thick vegetation or mulching and back dragging can be hard on the operator if speed is controlled strictly with the foot pedal. Creep Mode is a great feature that gives the operator the ability to adjust speed up or down on the fly with joystick buttons, instead of with a foot pedal. Productivity is increased and operator fatigue reduced.
- **Terrain Selection Mode:** Quickly and easily optimize machine performance based on application requirements. Select Hill Mode to boost drivetrain power for working in rough conditions like hills or wet ground. Select Flat Mode to maximize speed and optimize fuel efficiency when ground conditions are good.
- **Road Steer Mode:** Fast steering is required when working, but slower steering is preferable when driving down a road to a new job site. Road Steer Mode slows the joystick's response so the operator can steer the machine safely to the next site. The machine will automatically shift into Road Steer Mode when the two-speed transmission is shifted into high gear.

Attachment Float Control (Optional)

A touch of a button engages the optional Float Control so the attachment can follow the contours of the ground for a uniform, consistent mulch on uneven ground. This feature also reduces operator fatigue by reducing the continual adjustments needed when mulching on rough ground. Two buttons allow the operator to adjust the float pressure on the fly to maximize productivity and efficiency.



-  Cooling System Air Intake
-  Engine/Hydraulic Compartment Air Intake – Electric reversing fan pressurizes the engine/hydraulic compartment with cool ambient air
-  Cooling System Air Exhaust
-  Aftertreatment Compartment Pressurization
-  Engine/Hydraulic Compartment Pressurization – Hot air from the engine/hydraulic compartment is pushed out of 3 openings

Pressurized Compartments

For a cooler and cleaner machine

In a typical land management or right-of-way project, the air is dry and dusty with a lot of vegetation debris kicked up during mowing or mulching. In designing the 2864C, special attention was focused on keeping the machine cool and free of debris. The machine is segmented into separate compartments that are pressurized to prevent debris from entering. Less debris build-up means less time required for cleaning it out and better performance. The pressurized airflow keeps electronics, sensors and other key components cool during long workdays.

Engine/Hydraulic Compartment

The engine and hydraulics are located in a separate compartment at the rear of the machine. An electric reversing fan draws cool ambient air into the compartment. This forces hot air out of the engine compartment while pressurizing it, preventing debris from entering and keeping engine electronics and sensors cool.

Cooling Compartment

Removable rubber baffling separates the cooling system from the engine/hydraulic compartment. This prevents the cooling system from pulling hot air from the engine compartment through the cooler, maximizing the cooler's efficiency.

Aftertreatment Compartment

The aftertreatment compartment, which contains the Cat Clean Emissions Module, is pressurized by airflow from the cooling package. As the air is pulled through the cooling package, the side screens provide resistance and some of the airflow enters the aftertreatment compartment and forces hot air out while preventing debris from entering the compartment.

Serviceability

More ground level servicing to keep you safe



Daily service points are in easy reach on the 2864C. Add hydraulic oil with the electric pump and refuel with your boots on solid ground. The tilting cab and hinged panels give you access to even more.

Engine/Hydraulic Compartment

Large hinged doors at the rear of the machine, along with hinged doors on both sides and the bottom of the compartment, provide access to key engine components, filters, hydraulic pumps, hydraulic test ports and other key components.

Cooling Compartment

Removable rubber baffling and a split side screen protect the cooling system while making it easy to access for servicing. A locking latch on the lower half of the side screen allows for quick and easy access for cleaning out debris.

Aftertreatment Compartment

The aftertreatment compartment has full three-sided access to the Cat Clean Emissions Module optimizing service and cleaning access.

Engine Air Precleaner System

A precleaner and scavenger system increase the life of primary and secondary engine air filters by filtering out debris before it even gets to the air filters. Air first passes through the turbine style precleaner, which ejects dust and debris through an integrated shoot. The scavenger system then suctions off material that passed through the precleaner. This system can help extend air filter maintenance and replacement intervals.

Tilting Cab

The tilting cab provides full access to the interior of the machine, where the two-speed gearbox and hydrostat motor are located. You can also access the hydraulic hoses and electrical harnesses where they enter the center hitch area. The tilting cab also improves access to clean the machine and remove the batteries.

Fueling

No climbing up on the machine, dragging a fueling hose to fill the tank. The fuel tank is located behind the rear axle and the fill is at ground level. Simple, easy, safe.

Hinged Access

Additional hinged panels are used throughout for easy access to other components, such as the batteries, hydraulic filters and strategic bulkheads. All hinged panels are fabricated of heavy-duty steel for durability and can be completely removed for servicing if desired.

Large hinged mesh screens over the door windows protect the operator when the sliding windows are open. These mesh screens swing out to remove debris caught between the door and screen.

Heavy-duty belly pans are also hinged providing durable guarding and access to the bottom of the machine for machine clean out.

Electric Hydraulic Oil Fill Pump

Hydraulic oil is added to the system quickly and easily from ground level with the standard electric hydraulic oil fill pump and a quick coupler hose stored on the machine. Oil is pumped through the filtration system before it enters the tank, safeguarding the hydraulic system.

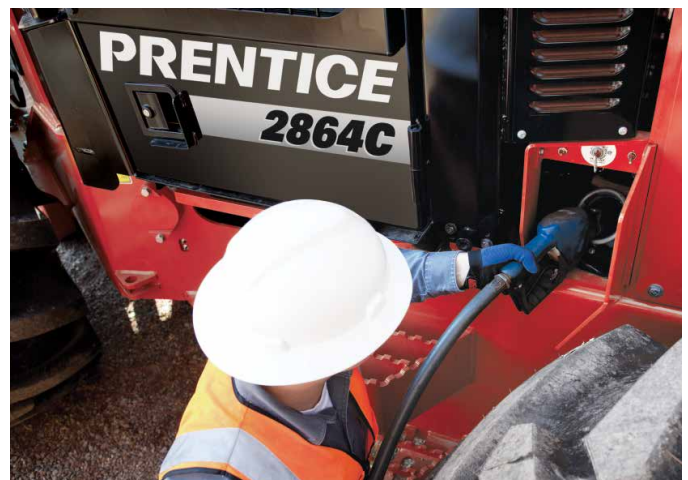
Electrical Routing

Electrical harnesses segregate the wiring and connections within the core systems they support and are bulkheaded between each system. So, for example, a separate electrical harness that supports the engine is bulkheaded where it connects to the cooling package electrical harness. No more complex, spaghetti wiring. Troubleshooting electrical issues and replacing wires are greatly simplified.

Just a single, short harness (bulkheaded on both sides) crosses the center hitch. This harness is protected, making it much less prone to damage, and is easily replaceable if necessary. All electrical harnesses are bulkheaded before they enter the cab, instead of lines fed in through holes in the floor. This keeps the cab quieter.

Hydraulic Hose Routing

The same thinking was applied to hydraulic hose routing. Strategically placed bulkheads keep hoses short. In the center hitch, hoses are short and positioned dead center as they cross through the center hitch, so bending is minimized as the machine turns.



Integrated Technologies

Work smarter



Machine Troubleshooting

The 2864C comes with a troubleshooting feature that allows the operator to drill down and pinpoint the root cause of a problem, reducing the need for service calls and holding down costs. The operator can also check the main hydraulic pump and attachment pump pressures through the monitor in the cab.

Cat Product Link™

The Prentice Site Prep Tractor comes equipped with Product Link, remote monitoring technology for tracking productivity, idle time, fuel burn, maintenance intervals and more. With Product Link, you know where your equipment is, what it's doing and how it's performing, so you can maximize efficiency and lower operating costs.

Through VisionLink®, the user-friendly interface on your computer or mobile device, you can create customized health and productivity reports for one machine or a mixed fleet.





Safety

Safely home. Everyone. Every day.™

Safety features in the Prentice 2864C Site Prep Tractor include:

- Ground level fuel and hydraulic oil fills
- Four-sided access to the engine and hydraulic pumps
- ROPS/FOPS/OPS certified cab with tough Lexan windows
- Additional mesh screen guarding on side windows
- 360° visibility of the work area from the cab
- Hydraulic disarm and parking brake automatically engage if door is opened
- Safe and secure access into and out of the cab with grab handles and big fixed steps with gripper surface
- Extreme-duty cooling packages
- Pressurized compartments to minimize debris accumulation
- Ground level machine kill switch
- Halogen working lights
- Safety lights package (optional)

Sustainability

Resourceful in every way

The 2864C is designed to maximize efficiency and productivity while conserving natural resources.

- The 2864C available in Highly Regulated Countries (HRC) is equipped with the Cat C9 ACERT engine that reduces emissions equivalent to U.S. EPA Tier 4 Interim and EU Stage IIIB levels.
- The C Series burns less fuel. Less fuel burned means reduced emissions.
- Fewer parts and longer component life, less fuel and fluids, means less to replace and less to dispose.
- Major structures and components are built to be rebuilt, reducing waste and replacement costs.

Attachments

Work tool attachments to meet your needs



New work tools have been developed to match the powerful capability of the 2864C Site Prep Tractor. The Prentice MD-250 Mulcher and the Prentice MR-244 Brushcutter are available from the factory and supported by your Prentice dealer. Other key 2864C attachments include an attachment quick coupler and retrieval assist winch to increase versatility.

The MD-250 and MR-244 are both durable and reliable. Rugged structures, reinforced skids and internal abrasion-resistant plating minimize downtime and repairs. All daily service points are at ground level and adjustments are easy to make.

The operator has clear visibility around the attachments. Discharge is directed down and away from the tractor. When the attachments are turned off, the tractor's hydraulics slow the attachments' moving parts to a safe stop.

Prentice MD-250 Mulcher

The MD-250 can produce either coarse or fine mulch. You may need to make multiple passes, depending on the material being mulched and the consistency you want. Mulched material can be worked into the soil or left as ground cover.

The MD-250 is designed for mixed applications and is the best tool for mowing heavy mixed brush or single stems up to 40.6 cm (16 in) diameter. The cutting path is 2.54 m (8.3 ft).

Dual variable hydraulic motors optimize power and recovery. Oversized rotor hub and bearings are field proven for high cycle applications. The belt-driven rotor drum reduces shock loading on the tractor's hydraulic system. Three large sets of counter knives make it possible to mulch many projects in a single pass.

The MD-250 features both a heavy-duty hydraulic guide bar and mulching door. Both are activated with dual hydraulic cylinders.

The drum is designed to reduce fuel consumption by minimizing drag. Debris doesn't collect on the smooth surface and the double carbide-tipped teeth are staggered so that only one tooth is in contact with the ground at a time.

Prentice MR-244 Brushcutter

The MR-244 produces generally coarser material, about the size of your forearm. Multiple passes can help shred material smaller, but if you want a fine mulch the MD-250 is the better choice.

The MR-244 is designed for mowing brush up to 11 cm (4 in) diameter or single stems up to 20 cm (8 in). The cutting path is 2.44 m (8 ft). Minimal mulch is worked into soil.

Designed for performance and reliability, the heavy-duty hydraulic motor optimizes power and recovery. The patented rotor bar shaft and bearing are field proven and feature independent upper and lower grease chambers maximizing reliability. Two free-swinging blades use centrifugal force for cutting. The front edge is beveled, which helps when mulching light material by creating lift. Rotation can be reversed.

Attachment Quick Coupler

The attachment quick coupler can simplify and shorten the time needed to switch attachments. Non-powered attachments can be hooked up without leaving the cab. Powered attachments hook up to a hydraulic quick coupler bulkhead system in the front frame of the tractor. Quick coupler hoses and mounting system are integrated into the design of both the MD-250 Mulcher and MR-244 Brushcutter. The hydraulic system stays clean because it is not exposed to the environment.

Retrieval Assist Winch

The Retrieval Assist Winch can help an operator get out of a sticky situation. The two-speed winch is hydraulically driven and can be powered in and out with in-cab controls.





Customer Support

Count on your Prentice dealer

Your local Prentice dealer is your forestry and land management consultant who can recommend the machines, work tools and services to maximize your operation and provide the support to keep you at top productivity.

- Field services to provide on-site help when needed.
- Timely repair and replacement services.
- Product Link to manage your equipment fleet through remote monitoring. For more information on Prentice products, dealer services and industry solutions, visit us at www.prenticeforestry.com.

2864C Site Prep Tractor Specifications

Engine

Engine Model*	C9.3 ACERT	
Gross power	261 kW	350 hp
Engine Speed	1,880 rpm	

* Machine requires Ultra-Low Sulfur Diesel Fuel (ULSD) of no more than 15 ppm fuel sulfur.

Service Refill Capacities

Fuel Capacity	494 L	130.5 gal
---------------	-------	-----------

Hydraulic System

Hydrostatic Pump**	242 L/min @ 37 370 kPa	64 gpm @ 5,420 psi
--------------------	------------------------	--------------------

Primary Hydraulic Pump**	155 L/min @ 27 579 kPa	41 gpm @ 4,000 psi
--------------------------	------------------------	--------------------

Attachment Pump**	378 L/min @ 37 921 kPa	100 gpm @ 5,500 psi
-------------------	------------------------	---------------------

**Variable Displacement Piston Pump

Drive

Travel Speed (Low Range with 30.5L-32 tires)	0 - 8.4 km/h	0 - 5.2 mph
---	--------------	-------------

Travel Speed (High Range with 30.5L-32 tires)	0-19.8 km/h	0-12.3 mph
--	-------------	------------

Weights

Weight includes Quick Coupler, Retrieval Assist Winch with Cable, and Full Fluids; Subtract 164 kg (362 lb) for 28L-26 Tires and add 40 kg (88 lb) for 67-34 Tires

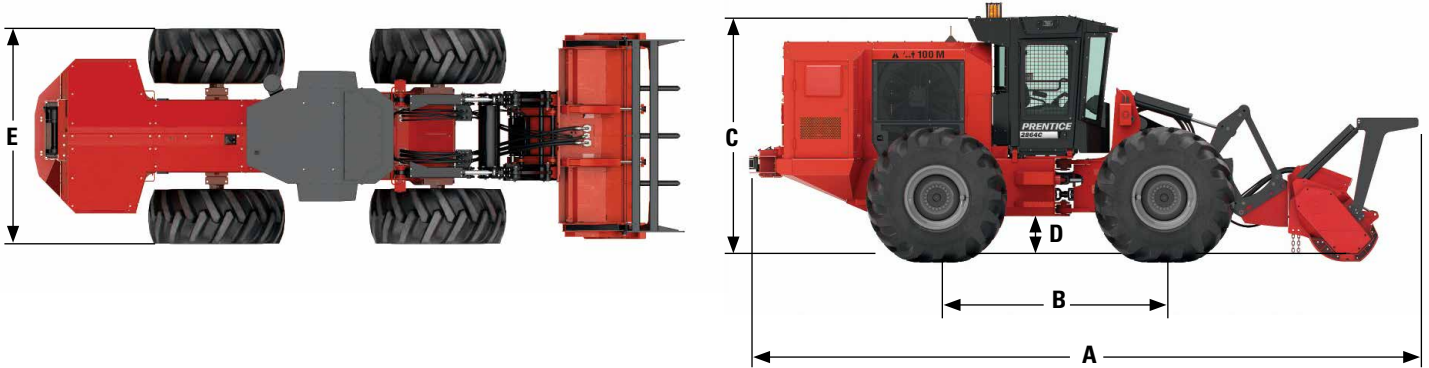
17 440 kg	38,450 lb
-----------	-----------



2864C Site Prep Tractor Specifications

Dimensions

All dimensions are approximate.



Model	2864C	
A Overall Length*		
Length (with MD-250)	9000 mm	354.3"
Length (with MR-244)	8855 mm	348.6"
B Wheelbase	3048 mm	120"
C Rear Axle Center Line to Hitch Pin	1702 mm	67"
D Overall Height**		
28L-26, NOAW	3223 mm	126.9"
28L-26, STD	3223 mm	126.9"
30.5L-32, NOAW	3324 mm	130.9"
30.5L-32, STD	3324 mm	130.9"
67-34, STD	3251 mm	128.0"
D Ground Clearance		
28L-26, NOAW	527.2 mm	20.8"
28L-26, STD	527.2 mm	20.8"
30.5L-32, NOAW	628.2 mm	24.7"
30.5L-32, STD	628.2 mm	24.7"
67-34, STD	555.2 mm	21.9"
E Overall Width		
28L-26, NOAW	2793 mm	110.0"
28L-26, STD	2920 mm	115.0"
30.5L-32, NOAW	2980 mm	117.3"
30.5L-32, STD	3140 mm	123.6"
67-34, STD	3222 mm	126.9"

* Subtract 214 mm (8.4") for Tow Hooks in lieu of Retrieval Assist Winch.

**Add 211 mm (8.3") for Safety Light Package.

2864C Site Prep Tractor Standard Equipment

Standard equipment may vary. Consult your Prentice dealer for details.

ENGINE

Engine, Cat C9 with ACERT Technology
EPA/ARB Tier 4 Interim and EU Stage
IIIB Equivalent Engine with Cat Clean
Emissions Module (CEM)
Fuel priming pump, electric
Engine over speed protection
Air Precleaner
Scavenger System Air Cleaner
2 Stage Air Cleaner

COOLING SYSTEM

Cross-Flow Cooling System
Side by Side Cores
Integrated Air Conditioner Condenser
and Fuel Cooler (Tier 4 only)
Hydraulically Driven on Demand Reversing
Fan

POWER TRAIN

Cat Axles
Front and Rear Differential Locks
HD Drivelines
Brakes
Enclosed Disc Service Brakes
Hydraulically Released and Spring Applied
Parking Brake

STRUCTURES

HD Front and Rear Frames
Dual Tapered Roller Bearing Upper
and Lower Center Hitch

Chrome Plated Lift Arm and Tilt Pins

Hinged Access Panel
High Capacity Fuel Tank
Heavy-Duty Hydraulic Oil Tank

HYDRAULIC SYSTEM

PowerDirect Plus System
Load-Sensing Hydraulics with Variable
Displacement Main, Attachment, Hydrostatic
and Fan Pumps
High Performance Multifunctioning
Main Control Valve
Cat ToughGuard Hoses

ELECTRICAL

24-Volt Electrical System
130-Amp Alternator
Maintenance Free (2-1,000 CCA) Batteries
Cat Jump Start Receptacle
Dual Bulb Halogen (6 total) Working Lights
Main Disconnect Switch
Diagnostic Connector
Warning Horn
Product Link Ready
IQAN MD3 Full Function Control System
Working Lights
Product Link - 321
Radio Ready Package

OPERATOR STATION

Reverse Slope 3-piece Windshield
High Capacity HVAC System

Knee Action Air Suspension Seat

Headliner
Non Permeable Removable Floor Mat
Dome Light
Rearview Camera
Dual 12V Outlets
Two (2) Beverage Holders

ADVANCED CONTROLS

Operator Control Adjustability
Terrain Selection Mode
Creep Mode
Road Steer Mode

SERVICEABILITY

Pressurized Engine/Hydraulic and Cat CEM
Compartments
Tilting Cab
Ground Level Engine/Hydraulic
Compartment Access
Ground Level Fuel Fill
Electric Hydraulic Oil Fill Pump
Diagnostic Monitor
Hinged Access Panels
Oil Sample Ports

SAFETY

OPS/FOPS/ROPS Certified Cab
Back-Up Alarm
Ground Level Kill Switch
Harness Seat Belt
Pressurized Water Tank

2864C Site Prep Tractor Optional Equipment

Optional equipment may vary. Consult your Prentice dealer for details.

MACHINE ATTACHMENTS

AM/FM/CD/Sirius-Satellite Radio Package
Safety Lights
Attachment Float Control Arm Control
Attachment Quick Coupler
Tow Hooks
Retrieval Assist Winch

WORK TOOL ATTACHMENTS

MD-250 Mulcher
MR-244 Brushcutter

TIRES

28L × 26 16 PR, NOAW Offset
28L × 26 16 PR, Standard Offset
67 × 34 14 PR, Standard Offset
30.5L × 32 20 PR, NOAW Offset
30.5L × 32 20 PR, Standard Offset

2864C Site Prep Tractor

For more complete information on Prentice products, dealer services, and industry solutions, visit us on the web at www.prenticeforestry.com.

BAC 60115/10/14

© 2014 Caterpillar Forest Products Inc.
All rights reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Prentice dealer for available options.

PRENTICE, its respective logos, as well as corporate and product identity used herein, are trademarks of Caterpillar Forest Products Inc. and may not be used without permission.

