

563D/573D

Wheel Feller Bunchers



	563D	573D
Gross Power	151 kW (203 hp)	179 kW (241 hp)
Wheelbase	2794 mm (110")	2921 mm (115")
Weight *	17 744 kg (39,120 lb)	19 115 kg (42,143 lb)

* Weight is based on a commonly configured machine

Lower Costs and Boost Productivity

Lower Operating Costs

Improved total fluid efficiency. Extended service periods save on maintenance costs.

Powerful Performance

Patented PowerDirect Plus system enhanced providing greater travel power and saw recovery.

Rock Solid Stability

Patented transverse mounted engine and low center of gravity provide rock solid stability for market leading cut and carry capability.

Application Versatility

Shortest wheelbases in the market combined with leading stability provides superior versatility moving from 1st thinning to final fell applications.

Fast Cycle Times

High performance multi-functioning hydraulic system reduces cycle times, increasing productivity.

Clean, Cool Operation

The high capacity cooling system and reversing fan keep the machine running at the proper temperature and debris-free.

Easy Maintenance

Tilting cab, streamlined hose routing and easy access to engine, hydraulics and cooling system.

Comfortable Cab

Roomy, quiet and cool with great visibility through windows skylight and rear view camera.

Contents

Engine	4
Cooling System.....	5
Hydraulics	6
Operator Station.....	9
Advanced Controls	10
Pressurized Compartments	11
Power Train	12
Structures.....	13
Serviceability	14
Saw Heads	16
Customer Support.....	18
Sustainability	19
Integrated Technologies.....	20
Safety	21
Specifications.....	22
Standard Equipment.....	26
Optional Equipment.....	27



Building on nearly 40 years of experience designing and manufacturing feller bunchers, the Cat® D Series Wheel Feller Buncher delivers more productivity at a lower operating cost. Patented technologies including the PowerDirect Plus System and Transverse Mounted Engine allow the machine to cut and carry more wood than ever. Advanced hydraulics speed up multi-functioning and cycle times to increase productivity and saw recovery. The D Series runs cool and is designed to keep debris from collecting inside the machine with active pressurization. Tilting cab, ground level fuel fill and market leading service access around the engine and hydraulic compartment make daily maintenance and servicing an ease.

Engine

More horsepower, less fuel



The Cat C7.1 ACERT™ engine is designed to deliver more power than ever before, while still achieving the highest levels of total fluid efficiency, reliability and durability.

The C7.1 ACERT engine meets U.S. EPA Tier 4 Final and EU Stage IV emission standards using a blend of technologies to optimize performance, whatever the conditions. The Selective Catalytic Reduction (SCR), Exhaust Gas Recirculation (EGR) and Diesel Oxidation Catalyst (DOC) systems effectively remove NOx gases from the exhaust, while a fully passive, service-free Diesel Particulate Filter (DPF) removes soot and other particulates. All Cat C7.1 ACERT emissions technologies are designed to be transparent, so you are free to concentrate on the job at hand.

The High Pressure Common Rail Fuel System provides precise and efficient combustion, allowing for maximum performance, improved fuel efficiency and enhanced reliability. Series turbochargers provide extra power when needed. The engine is designed for maximum uptime and reduced operating costs, with world-class support from the Cat dealer network.

Industry leading integration and engineering support is at the heart of everything we do. The Cat C7.1 ACERT engine is fine-tuned to work seamlessly with machine control systems, optimizing the engine for demanding work cycles.

With a durable design and long life, the C7.1 ACERT delivers better fuel economy, with minimized maintenance costs, while still providing the same great power and response you expect.

Cooling System

High capacity, easy servicing



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

Access all components

The cooling system is arranged in two panel sections for easy access to all components. The air conditioning condenser and fuel cooler are in a hinged panel that tilts out for easy cleaning and access to the primary section with the side-by-side mounted hydraulic oil cooler, engine radiator and air to air after cooler (ATAAC). All components are within easy reach and the cooling system can be cleaned from both sides.

Cool and clean

The cross-flow configuration and compartmentalization of the engine and cooling system maximize efficiency and prevents debris from building up around the engine. Baffling allows only cool ambient air to be pulled in from the side – not hot air from the engine compartment. Fin spacing is coarse to allow debris to pass through more easily and reduce plugging.

Reversing fan

The oversized fan spins at a slower speed and only as fast as needed to maintain proper operating temperatures. In colder weather or when the machine is first started, the fan spins more slowly to conserve power, fuel and reduce noise. The fan automatically reverses every 5 minutes of run time to ensure debris build up is minimized. The operator can activate reversal between cycles through a manual override.



Hydraulics

Maximum productivity with PowerDirect Plus



The heart of the D Series productivity advantage is the patented PowerDirect Plus system. Combined with the highly efficient load sense and fast multi-functioning hydraulic system, the performance advantage is clear.

PowerDirect Plus

PowerDirect Plus optimizes the machine's performance by monitoring operator and saw demand and delivering power where and when it is needed. This does not require the operator to reduce demand or do anything differently – just focus on the work and push the machine.

Critical machine systems are oversized, which increases overall machine capacity. This gives each machine system more capability than ever before. The saw pump specifically can provide more flow than ever before but the pressure is also increased when power is available, creating an even greater burst of hydraulic power to improve recovery.

PowerDirect Plus provides better performance in all applications, both steep and flat ground. If you're carrying a tree and backing up a hill, the system will focus full power to the drivetrain as the operator demands. Once the drivetrain does not demand full power, a burst of power is sent to the saw. On flat ground where drivetrain demand is lower, more power is available to the saw because the oversized saw pump can push more flow to the saw. Overall saw performance is significantly better compared to previous wheel feller bunchers.

Multi-Functioning Control Valve

Multi-functioning, always an advantage of Cat wheel feller bunchers, is the result of a field proven, high performance control valve. This allows the operator to close the arms of the saw while simultaneously lifting the saw out of abrasive or rocky soils to improve recovery and fuel efficiency, minimize tooth damage and abrasion wear.

Electrohydraulic Controls

The electrohydraulic pedal and joystick controls give you more precision and customization while eliminating hydraulic pilot lines in the cab.

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 hose stored on the machine. Oil is pumped through the filtration system before it enters the tank, safeguarding the hydraulic system.



Cat Hoses

Cat ToughGuard™ hoses and O-ring face seals throughout the machine improve hose 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.



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, including special modes for thinning, road travel and terrain settings.

Ride

Sit on either end of a teeter-totter and feel every bump; sit in the center and get a level, smooth ride. This principle applies to the D Series as the cab is centered between the axles for the most comfortable ride possible. No bucking.

Cat Comfort Seat

The Cat Comfort Seat is wider, providing more room between the operator's legs and the joysticks. The standard air suspension and built in adjustments for seat and armrest/joystick position, recline and lumbar provide leading comfort maximizing productivity.

Joysticks

The ergonomic joysticks mold to the operator's hands for all-day comfort and increased functionality. They also reduce operator arm and hand fatigue in high cycle applications like 1st thinnings.

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.

Visibility

A clean three-piece front windshield, large rear windows and skylight give the operator a 360° view, including the rear tires. With a clear view to the treetops, picking out the bad or stunted trees in thinning applications is faster. The addition of a rear view camera allows the operator to see the work zone easily, without having to strain, increasing efficiency.

Display

The large 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. The intuitive display provides detailed machine data to maximize machine uptime and productivity.



Operator Station

Superior comfort and visibility

Control Adjustability

The D Series features simplified adjustments to easily set the overall speed and sensitivity for each function to maximize operator comfort and performance. Key operator functions that are fully adjustable through the machine display include:

- Steering
- Lift
- Tilt

The gathering arm(s) and bunching finger(s) controls also are easily reversed. Pedals to control the gathering arm(s) can be easily installed if desired.



Advanced Controls

Maximize machine and operator performance



Unique operating modes and advanced adjustments of the propel system provide the operator with a more capable and versatile machine to maximize productivity.

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, wet ground or bedded plantations. Select Flat Mode to maximize speed and optimize fuel efficiency when ground conditions are good.

Propel Shift Pressure Adjust

Optimize the Terrain Selection Mode even further with the Propel Shift Pressure Adjust available on the D Series. A simple adjustment in the monitor will cause the propel system to shift down quicker for more torque sooner or allow the machine to run out longer, retaining more speed. Both the Hill and Flat Terrain Modes can be independently adjusted to further increase operator and application efficiency.

Creep Mode

Creep Mode gives the operator the ability to dial down the speed of the machine when a propel pedal is fully depressed. This allows the operator to keep the pedal depressed – rather than continually having to start and stop – while working down a row of trees. No need for feathering to find that sweet spot – just relax and push the pedal completely down. The Creep Mode makes it easy to get into a steady rhythm of cutting, gathering and dumping. Productivity is increased and operator fatigue reduced.

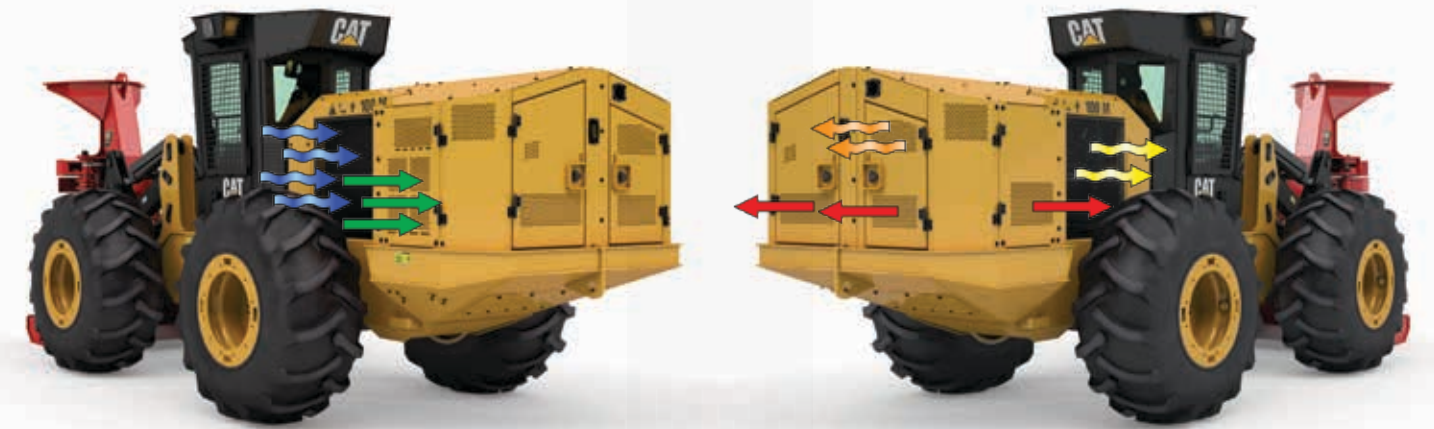
Here's how it works: In the display, set the Creep Mode speed to the percent of maximum machine speed desired. Hit the Creep Mode button on the joystick and fully depress the forward pedal to move forward at the set speed. Cut the first tree, cycle the arms; cut the second tree, cycle the arms, etc. When the head is full, hit the Creep Mode button again to regain full speed while backing up, dumping and driving back to the trees. Hit the Creep Mode button to go back into Creep Mode and begin cutting again.

Road Steer Mode

Responsive steering is required when working in the woods, but slower steering is preferable when driving 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.

Pressurized Compartments

For a cooler and cleaner machine



- 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

Special attention was focused on keeping the D Series cool and free of debris. The machine is segmented into separate compartments that are actively pressurized to prevent debris from entering. Less debris build-up means less time required for cleaning it out and better performance. The engineered 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.

Aftertreatment Compartment

The aftertreatment compartment, which contains the fully insulated 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.

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 through the cooler, maximizing efficiency.

Power Train

Improved performance and durability

Cat engines, field-proven hydrostatic drive, Cat axles and enhanced two-speed gearbox proved a solid, responsive power train.

Two-speed Gearbox

The D Series two-speed gearbox features larger bearings, stronger gears and improved seals providing a rugged and durable transmission. The horizontally mounted gearbox improves durability by eliminating the reliance on splash lubrication to an upper drive like in a traditional vertically mounted gearbox.

Dual Pad Pump Drive

Similar to the two-speed gearbox, the dual pad pump drive is more durable because it is not reliant on splash lubrication. It also features an easily accessible dipstick improving daily maintenance checks and increasing uptime.

Heavy-Duty Axles

Heavy-Duty Cat axles feature a full-length oil sump for excellent heat rejection and long component life when using single tires (up to 30.5 x 32 with chains), odd size dual tires (up to 30.5 x 32 with 24.5 x 32), or wide flotation tires (up to 73 x 44). 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.

Differential Locks

During normal operation all four wheels move independently to maximize agility. In extreme conditions like wet 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.

Service/Parking Brakes

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



Structures

Durability and Stability

Robust box section frames combined with the patented transverse mounted engine provide a rock solid stability. Every structure is field proven and engineered for durability.

Rock Solid Stability

The patented transverse mounted engine provides market leading front-to-rear stability while maintaining a compact machine to maximize application versatility. Side-to-side stability is also an advantage due to the low center of gravity. This increases productivity and allows greater cut and carry capability which increases skidder efficiency.

Strong Frames

Front and rear frames are robot welded to ensure the highest level of quality. Market leading box section construction is utilized to support bending and twisting forces created by heavy loads on uneven ground. The wide lift arms are rugged and designed to support severe loading from the attachment. Heavy-duty belly pans are recessed and hinged providing durable and accessible guarding.

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 and short wheelbases, maneuverability in tight thinning stands is an advantage of the Cat wheel feller bunchers.

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, reducing stress in the rear frame, increasing structural life.

Steering Stops

Cylindrical steering stops are designed to take abuse and protect the frame when the machine makes a hard turn. These stops are more durable and easier to replace than traditional non-metallic steering stops.

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.



Serviceability

Easy ground level servicing



The D Series provides market leading ground-level access to daily service checks, preventive maintenance and emergency repairs.

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 superior ground-level access to remove and replace engine components, hydraulic pumps and other key components like the DEF tank and batteries.

Cooling Compartment

Removable rubber baffling and a split side screens 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.

Tilting Cab/Side Screens

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

Large hinged mesh screens over the door windows protect the operator when the sliding windows are open. Slots at the bottom of these mesh screens have been added, making removal of debris caught between the door and screen easier.

Fueling

No more 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.

Electrical Routing

Critical enhancements have been implemented on the D Series electrical harnesses to provide greater reliability and durability. Harnesses are segmented and bulkheaded to improve serviceability. 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, which keeps the cab quieter and cleaner.

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. Special attention was focused on limiting the number of different hose sizes that would be needed in the woods. Lift arm hoses are all the same diameter and common lengths are used wherever possible.

Straightforward Tier 4 Final engine maintenance:

- Any commercial diesel exhaust fluid (DEF) that meets the ISO 22241 specification can be used in Cat SCR equipped engines. DEF can be purchased at Cat dealers.
- The extended life diesel particulate filter (DPF) was designed for the life of the engine and has a unique remaining life feature, which can be checked by your local Cat dealer.
- The filter assembly for the pump electronics tank unit (PETU), the tank for onboard DEF storage, must be replaced every 5,000 hours.



Saw Heads

Work tool attachments to meet your needs

Cat saw heads have been developed to meet the increased capabilities of the D Series wheel feller bunchers, and provide a comprehensive offering for all applications.

At the heart of each saw is a field proven saw shaft and bearing designed for ease of greasing and durability in high cycle applications. The upper and lower bearing chambers are individually sealed, lubricated and vented from the bottom up.

Market leading replaceable abrasion-resistant materials are used extensively in the discharge chutes, saw disc housings, skis and other exposed areas to maximize durability.

HFW232 Bunching Saw

The HFW232 excels at cutting and handling high volumes of small stems, mixed stems and large single stems up to 57.3 cm (22.6 in). This saw features same axis bunch and gather arms, strong cutting performance (greater disc moment of inertia) for quicker recovery times, increased swell butt and low stump cutting capability and symmetrical toes allow for more effective thinning left or right increasing application versatility. Visibility through the wide lift arm towers of the Cat wheel feller buncher combined with a low profile saw shaft and motor assembly increases operator efficiency and ability to cut lower stumps.

Traditional pin and bushing configurations used for the gather arm and bunching finger are simple, durable and easy to replace minimizing operating costs. Refined guarding improves protection and service access. Optimized lift arm hose entrance into the saw housing provides the greatest protection against debris build up reducing downtime.



HFW221 Felling Saw

The HFW221 excels at cutting and handling large single stems up to 57.6 cm (22.7 in). It also bunches medium and small stems, making it a versatile saw for thinning through final harvesting. The gather arms and tower work together to grip and tightly hold large single stems and small stem bunches for better control. A single cylinder and link control the left and right side gather arms and bunching fingers simultaneously, improving speed and holding power.

The large, robust structure supports the twisting and bending loads of large stems on the gather arms and bunching fingers. Chrome plated pins and abrasion-resistant materials are also used to provide a durable center post saw for many applications. Common fittings and hose lengths are used for the HFW221 lift arm hoses.

HFW222 SC Felling Saw

The HFW222 SC side cut felling saw is a highly versatile saw specially designed for harvesting large timber. It features a single cut capacity of 56.0 cm (22.0 in), along with small stem accumulation. For harvesting larger diameter trees, the HFW222 SC features the industry's only side cut door, a unique solution for harvesting trees up to 76.0 cm (30.0 in) from a single side on either flat or adverse terrain. Common fittings and hose lengths are used for the HFW222 SC lift arm hoses.

Customer Support

Count on Caterpillar and your Cat dealer



Caterpillar is known the world over for the quality of customer support from its dealer network – the industry’s best. No matter where you are, the expertise of a Cat dealer is always nearby. Your local Cat dealer is your forestry consultant who can recommend the machines, work tools and services to maximize your operation and provide the support to keep you at top productivity.

- 24-hour parts availability, where and when you need them, to minimize expensive downtime.
- Remanufactured parts that carry the same warranty as new parts at a reduced cost.
- Operator training to get the most out of your Cat equipment.
- Field services to provide on-site help when needed.
- Timely repair and replacement services.
- Customer Support Agreements to lower your operating costs.
- State-of-the-art diagnostic programs, such as S-O-SSM oil analysis, inspection services and trend reporting to help avoid unscheduled repairs.
- Financing programs for buying, renting or leasing Cat equipment.
- Cat Financial Commercial Account, a fast and convenient way to pay for or rent anything offered at any Cat dealer or The Cat Rental Store.
- Cat Insurance to cover equipment losses from theft, collision, flood, upset or overturn, fire, vandalism and more.
- Product Link™ to manage your equipment fleet through remote monitoring.
- Cat Certified Rebuild to get a second life from your equipment.

For more information on Cat products, dealer services and industry solutions, visit us at www.cat.com.

Sustainability For generations to come

The D Series wheel feller bunchers are designed to maximize efficiency and productivity while conserving natural resources.

- The C7.1 ACERT engine meets U.S. EPA Tier 4 Final and EU Stage IV emission standards.
- The D Series is more fuel efficient which means reduced emissions per unit of work performed.
- 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.

Integrated Technologies

Work smarter



Caterpillar offers solutions to help you work smarter.

Machine Troubleshooting

The D Series comes with a machine 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.

Cat Product Link

Cat Product Link, Caterpillar's machine monitoring system, is standard on all D Series wheel feller bunchers and comes with a free three-year subscription to VisionLink®, the user interface.

Product Link is an advanced – but user friendly – remote monitoring technology for equipment. With Product Link, you know where your feller buncher is, what it's doing and how it's performing. Armed with this information you can maximize efficiency and lower operating costs.

Product Link is integrated with the Electronic Control Modules (ECMs) on Cat equipment to collect and deliver valuable information. Because logging sites tend to be in remote areas, information will be transmitted via satellite for more consistent communications. You will have remote access to information over the web at any time and any place. With Product Link you can:

- Know the location and status of your machine, including alerts if it is moved without your knowledge.
- Track fuel use and idle time.
- Monitor efficiency and health, including fault codes.
- Access fluid analyses results and online parts ordering.
- Access model-specific daily safety and maintenance inspection checklists.

Visit www.cat.com/itpaystoknow for more information on Cat Product Link.

Safety

Safely home. Everyone. Every day.™



Safety is critical in the woods and a number of unique safety features have been designed into the D Series, including:

- Ground level fuel and hydraulic oil fills.
- Ground level servicing with four-sided access to the engine and hydraulic pumps.
- Leading weight distribution to maximize stability.
- Pressurized engine/hydraulic and aftertreatment compartments to minimize debris accumulation.
- ROPS/FOPS/OPS certified cab with tough Lexan windows.
- Pressurized operator station for a clean, quiet environment.
- 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.
- Forestry-duty cooling packages.
- Ground level machine kill switch.
- Halogen working lights.

563D/573D Wheel Feller Buncher Specifications

Engine

Engine Model	Cat C7.1 ACERT		
Gross Power			
	563D	151 kW	203 hp
	573D	179 kW	241 hp
Displacement	7.0 L	428 in ³	
Bore	105 mm	4.13 in	
Stroke	135 mm	5.31 in	
Number of Cylinders	6		
Max Torque @ 1400 rpm			
	563D	983 N-m	1318 lb-ft
	573D	1092 N-m	1464 lb-ft
Derating Altitude	3000 m	9843 ft	
Electrical System	24V		
Battery - Quantity	2		
Battery - Volts	12V		
Battery - Capacity	950 CCA		

Power Train

Transmission Type	Hydrostat with Manual Two-speed Gearbox		
Travel Speed*			
	Low Range	8.2 km/h	5.1 mph
	High Range	19.8 km/h	12.3 mph

Brakes

Service	Enclosed wet single disc		
Parking	Spring applied, hydraulically released		

* Travel speeds are based on 30.5L-32 tires.

Hydraulic System

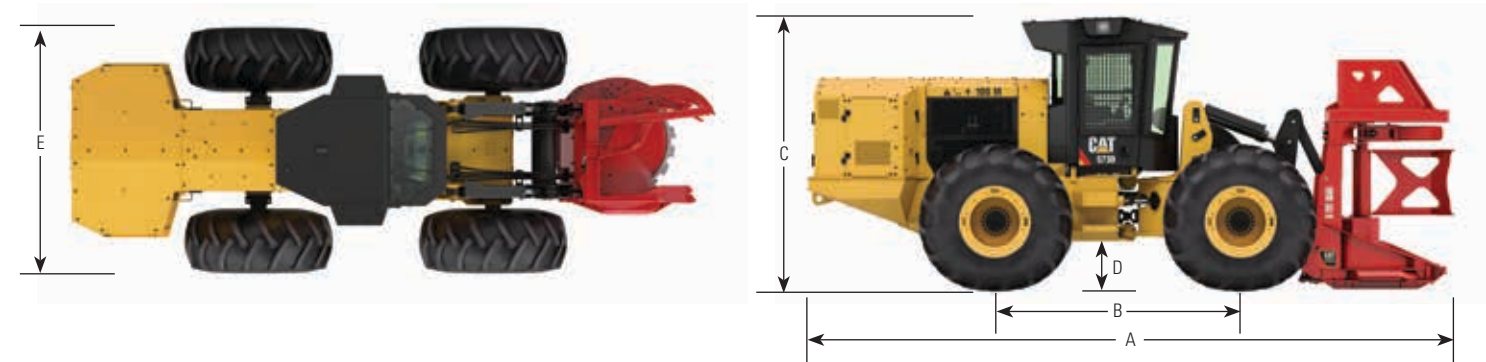
Hydrostatic Pump			
Pump Type	Variable displacement piston pump		
Flow Capacity	242 L/min	64 gpm	
Pressure	37 370 kPa	5,420 psi	
Primary Hydraulic Pump			
Pump Type	Variable displacement piston pump		
Flow Capacity	172 L/min	45 gpm	
Pressure	28 000 kPa	4,060 psi	
Saw Pump			
Pump Type	Variable displacement piston pump		
Flow Capacity	172 L/min	45 gpm	
Pressure	29 000 kPa	4,200 psi	
Fan Pump			
Pump Type	Variable displacement piston pump		
Flow Capacity	68 L/min	18 gpm	
Pressure	28 000 kPa	4,060 psi	

Service Refill

Fuel Tank	309 L	81.6 gal	
DEF Tank	19 L	5.0 gal	
Engine Oil	23 L	6.1 gal	
Cooling System	61 L	16.1 gal	
Two-speed Gearbox	5 L	1.4 gal	
Pump Drive	2.3 L	0.6 gal	
Parking Brake	600 mL	20.3 oz	
Differential, Final Drive			
	Front	52 L	13.7 gal
	Rear	52 L	13.7 gal
Hydraulic System			
	563D	243 L	64.2 gal
	573D	269 L	71.1 gal

Dimensions

All dimensions are approximate.



Model	563D	573D		
A Overall Length*				
Length (with HFW232 Bunching Saw)	7546 mm	297.1"	7674 mm	302.1"
Length (with HFW221 Felling Saw)	7606 mm	299.4"	7734 mm	304.4"
Length (with HFW222SC Felling Saw)	7525 mm	296.3"	7653 mm	301.3"
B Wheelbase				
	2794 mm	110.0"	2921 mm	115.0"
C Overall Height				
28L-26	3170 mm	124.8"	3170 mm	124.8"
30.5L-32	3271 mm	128.8"	3271 mm	128.8"
67-34	3198 mm	125.9"	3198 mm	125.9"
D Ground Clearance				
28L-26	493 mm	19.4"	493 mm	19.4"
30.5L-32	594 mm	23.4"	594 mm	23.4"
67-34	521 mm	20.5"	521 mm	20.5"
E Overall Width				
28L-26 NOAW	2795 mm	110.0"	2795 mm	110.0"
28L-26	2920 mm	115.0"	2920 mm	115.0"
30.5L-32 NOAW	2980 mm	117.3"	2980 mm	117.3"
30.5L-32	3160 mm	124.4"	3160 mm	124.4"
30.5L-32 2X Ring	2980 mm	117.3"	2980 mm	117.3"
67-34	3225 mm	126.9"	3225 mm	126.9"
F Weight, less Saw Head				
28L-26 NOAW	14 897 kg	32,843 lb	15 115 kg	33,323 lb
28L-26	14 897 kg	32,843 lb	15 115 kg	33,323 lb
30.5L-32 NOAW	15 678 kg	34,563 lb	15 895 kg	35,043 lb
30.5L-32	15 678 kg	34,563 lb	15 895 kg	35,043 lb
30.5L-32 2X Ring	16 059 kg	35,403 lb	16 276 kg	35,883 lb
67-34	15 678 kg	34,563 lb	15 895 kg	35,043 lb

* Configured with 30.5L-32 Tires.



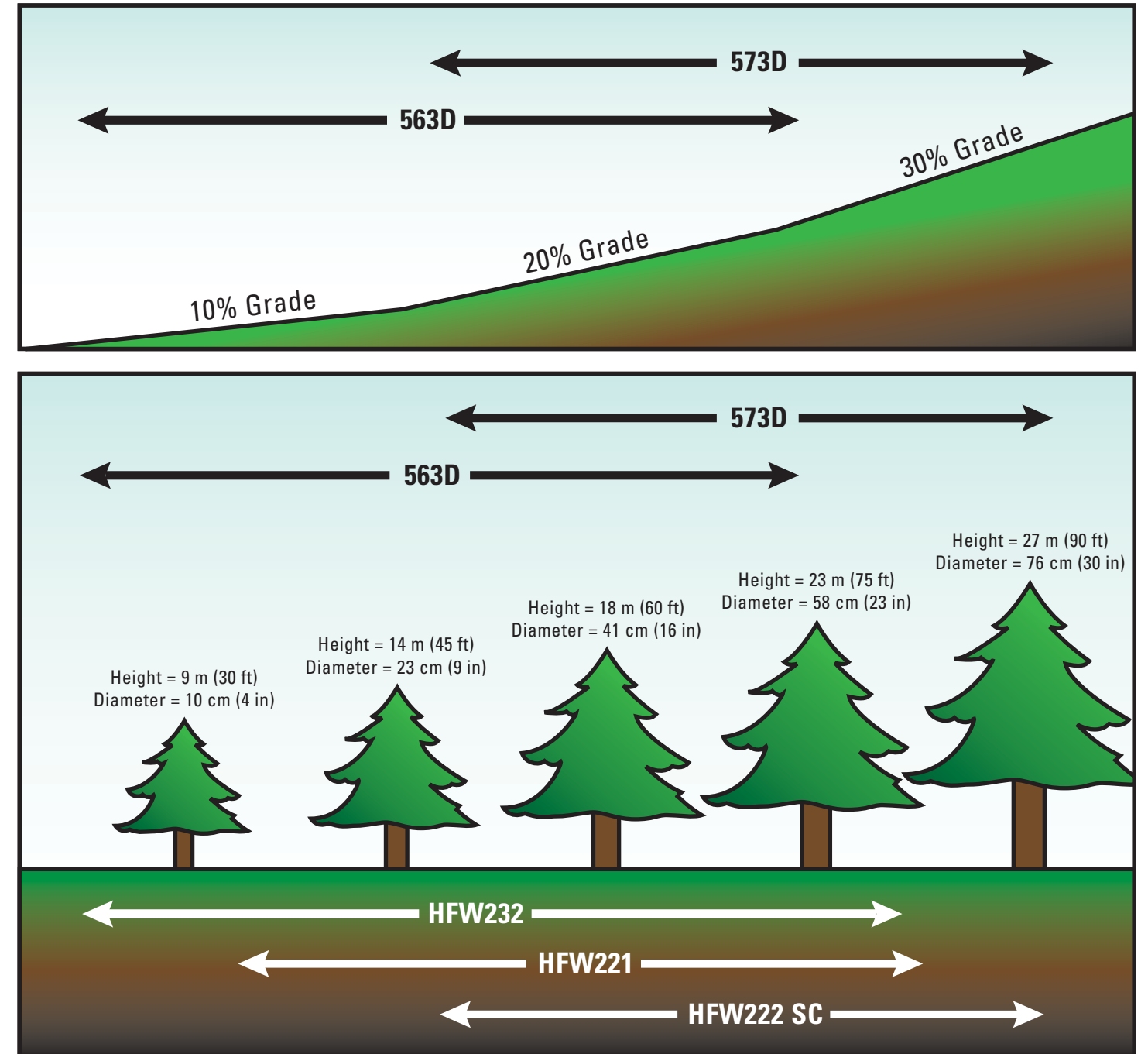
Dimensions

All dimensions are approximate.

Model	HFW232		HFW221		HFW222SC	
Accumulation Area	0.80 m ²	8.6 ft ²	0.47 m ²	5.1 ft ²	0.37 m ²	4.0 ft ²
Maximum Single Cut	573 mm	22.6"	576 mm	22.7"	560 mm	22.0"
Directional Felling Capacity	N/A		N/A		762 mm	30.0"
Width	1734 mm	68.3"	1615 mm	63.6"	1727 mm	68.0"
Height	2763 mm	108.8"	3023 mm	119"	2413 mm	95"
Weight	2847 kg	6,277 lb	3220 kg	7,100 lb	2973 kg	6,554 lb



Application Guide



563D/573D Wheel Feller Buncher Standard Equipment

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

POWERTRAIN

- Engine, Cat C7 with ACERT Technology
 - Meets Tier 4 Final / Stage IV emission standards
 - Cat Clean Emissions Module (CEM)
- Fuel priming pump, electric
- Fuel transfer pump, electric
- Fuel filters, inline, primary and secondary
- Air precleaner, turbine
- Air Cleaner, 2-stage
- Cooling, cross-flow system with side by side cores and integrated air conditioner condenser and fuel cooler
- Reversing cooling fan, hydraulically driven on demand
- Hydrostatic drive hydraulic system
- 2 Speed transmission, manually shifted for working and travel range
- Heavy-Duty Axles, Cat inboard planetary approved for odd size dual tires up to 30.5 x 32 with 24.5 x 32 and wide tires up to 73 x 44
- Front differential lock, momentary control
- Rear differential lock, on/off control
- Four-wheel enclosed disc service brakes
- Driveshafts, heavy-duty
- Universal joints, lubed for life
- Parking brake, hydraulically released, spring applied
- Fuel tank, high capacity

HYDRAULICS

- PowerDirect Plus System
- Load-Sense Hydraulics
- Pumps, variable displacement main, attachment, hydrostatic and fan
- Main control valve, high performance multi-functioning
- Spin on filters, dual inline return
- Cat ToughGuard hoses

ELECTRICAL

- 24-volt electrical system
- Alarm, back-up
- Alternator, 130-amp
- Batteries, maintenance free (2-1000CCA)
- Lighting system, dual bulb halogen (6 total)
- Main disconnect switch with Diesel Exhaust Fluid (DEF) purge indicator light
- Starter, electric, heavy-duty
- Starting and charging system
- Diagnostic connector
- Horn, warning

OPERATOR ENVIRONMENT

- Enclosed cab, OPS/FOPS/ROPS certified
- Windshield, reverse slope 3-piece
- HVAC, high capacity system
- Water tank, pressurized
- Seat, air suspension with harness seat belt
- Headliner with dome light
- Controls, joystick steering
- Controls, joystick gather arm(s)
- Controls, foot pedal gather arm(s) ready only
- Radio, AM/FM/CD/Sirius-Satellite
- Camera, rear view
- Floor mat, non-permeable and removable
- Mirror, rear view
- Converter, 24V to 12V
- Radio, AM/FM/CD/Sirius-Satellite
- Power ports, 12 volt (2)
- Beverage holders (2)
- Electro-hydraulic machine controls
- Advanced Operator Controls
- Operator control adjustability
- Terrain Selection Mode
- Creep Mode
- Road Steer Mode
- Computerized Monitoring System
- Instrumentation, Gauges
- Instrumentation, Warning Indicators
- Computerized diagnostics and monitoring

OTHER STANDARD EQUIPMENT

- Articulation lock link
- Frames, heavy-duty double walled box section front and rear
- Center Hitch, dual tapered roller bearing upper and lower
- Pins, Chrome plated lift arm and tilt
- Ecology drains (engine oil, engine coolant, hyd tank, fuel tank, axles)
- Tilt Cab
- Pressurized compartments, engine, hydraulic, and CEM
- Product Link PLE631
- Fuel fill, ground level
- Hydraulic oil fill pump, ground level electric
- Test ports, remote mounted bank
- Single side engine service
- S-O-S sampling ports
- Vandalism protection, lockable doors and cap locks

563D/573D Wheel Feller Buncher Optional Equipment

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

Tires

- 28L-26 16PR, NOAW *
- 28L-26 16PR
- 30.5L-32 20PR, NOAW*
- 30.5L-32 20PR
- 30.5L-32 20PR, 2X Ring**
- 67-34 14PR

Saw Heads

- Cat HFW232 Bunching Saw
- Cat HFW221 Felling Saw
- Cat HFW222 SC Felling Saw

* NOAW – Narrow Overall Width

** 2X Ring – Inner dual tire rim with integrated dual ring mounting of 24.5L-32 outer tire



563D/573D Wheel Feller Buncher

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

© 2018 Caterpillar. All Rights Reserved.

VisionLink is a trademark of Trimble Navigation Limited, registered in the United States and in other countries.

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

CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.
www.cat.com www.caterpillar.com

AEHQ8024 (01-2018)

