515/525
Skidder

Featured machines may include additional equipment applicable only for special applications. See your Caterpillar dealer for available options.

	515		525	
Engine	Cat® 3304 DIT		Cat® 3304 DITA	
Gross Power	159 HP	118 kW	179 HP	134 kW
Wheel Base	130 in	3300 mm	138 in	3505 mm
Grapple Capacity	8 ft^2	.74 m^2	9 ft^2 - 12.5 ft^2	.84 m^2 - 1.16 m^2

515/525 Skidder

The 515 and 525 Skidders are designed to exceed loggers' expectations for skidding performance, reliability, comfort and ease of operation.

Performance and Flexibility
The 515 and 525 Skidders provide unsurpassed performance and application flexibility, due to superior balance, torque converter power train, differential locks, and expanded tire and grapple/arch options. **pg. 4-5**

Cradled Front Axle
This exclusive design provides a weight forward balance for outstanding grapple and cable skidding performance, while also providing a comfortable ride for the operator. **pg. 6**

Load-Sensing Hydraulic System
The load sensing hydraulic system reduces horsepower consumption and system heat. A single lever controls grapple and tong hydraulics, reducing operator efforts for improved productivity. Exclusive Auto-Grab hydraulics maintain constant tong gripping pressures to compensate for shifting loads. **pg. 7**

Operator Station
Excellent all-around visibility, swivel seat, and easy-to-reach controls reduce operator fatigue and increase productivity. The Caterpillar Monitoring System keeps the operator informed of key machine functions. **pg. 8-9**

Structures
Box-section mainframe and decking blade, tapered roller bearing lower hitch-pin, and standard belly guards provide excellent durability and reliability. **pg. 10**

Serviceability/Customer Support
Easy to access service features, include an electrical diagnostic port and hydraulic pressure taps. All are part of the most sophisticated parts and dealer support system in the industry.
pg. 11

Engineered for demanding work.
These skidders are state-of-the-art machines that represent Caterpillar's commitment to the logging industry.

Reliable, durable operation.
Rugged construction and easy maintenance provide long hours of service with the low operating costs you expect from Cat machines.

Skidder Performance

Caterpillar power train provide relentless pulling power for the 515 and 525 Skidders.

The Cat 3304 DIT diesel engine of the 515 and the Cat 3304 DITA diesel engine of the 525 set the industry standard for reliability and durability. Big bore, large displacement powerplant provides the torque and response to meet skidding requirements.

- Stylish radiator guards and engine covers maximize air flow to the engine and radiator for reliable operation in hot operating conditions.
- Centrifugal pre-cleaner removes large debris before it reaches the air cleaner for excellent engine protection and reduced air cleaner service requirements in harsh logging environments.
- Direct-injection fuel system uses adjustment-free unit fuel injectors for efficient, accurate fuel metering, reliable power and responsive performance.

Large, heavy duty torque converter provides torque multiplication which, when combined with the torque rise of the 3304, provides excellent skidding power.

- Fluid coupling allows the engine to run in its optimal RPM range, assuring full available power can be applied to skidding.
- Less operator effort is required to match transmission speed range to skidding requirements.
- Torque converter is well suited for the high breakout loads and high speeds of grapple skidding.

Four-speed transmission easily matches power to the load size and ground conditions. Three working gears provide application flexibility.

- Gear one provides industry leading pull capability for heavy load applications.
- Gears two and three are for light loads and higher speed operations.
- Gear four provides excellent empty return capability.
- Extremely easy to use transmission controls, with forward-neutral-reverse trigger and speed range controls located on the steering column.

Hydraulically engaged differential locks significantly expand the operating range of the 515 and 525.

- On-the-go engagement capability means there is no need to stop to engage or disengage the differential locks.
- Reduced tire scrubbing for longer tire life.
- Smaller turning radius for improved maneuverability.
- Improved performance in soft underfoot conditions.

Application Flexibility

The 515 and 525 can easily handle the variety of tasks for today's loggers.

Excellent skidder balance, plus the powerful mechanically driven, heavy duty skidding winch provides outstanding 515 and 525 cable skidder performance.

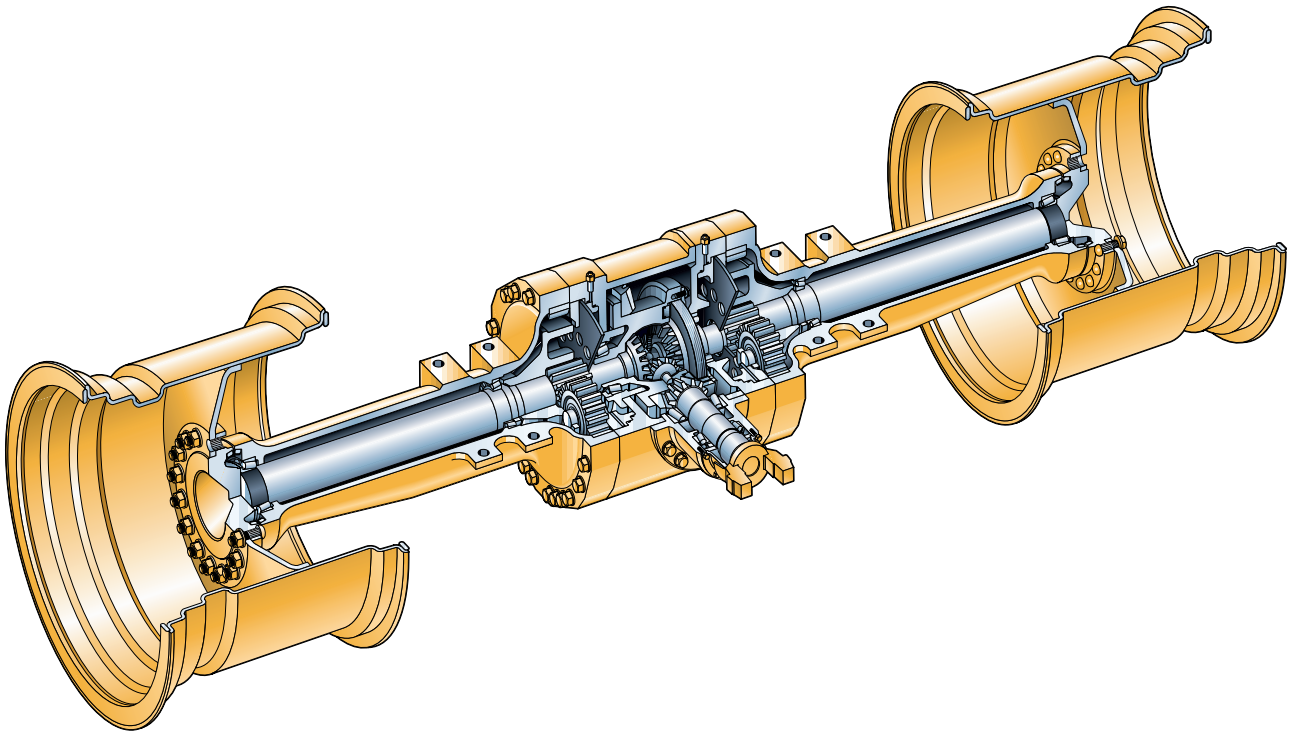
Expanded tire options allow the 515 and 525 to maintain skidding performance in a wide range of ground conditions.

For the ultimate in skidder flexibility, the 525 is available with installed swingboom and grapple. With excellent balance and outstanding visibility, the 525 with swingboom is an ideal tool for very rough or soft underfoot terrain, thinnings, and select cuts. It also provides superior pre-bunching capabilities.

The 525 has the horsepower and wheelbase to handle dual function arch and large capacity bunching grapples.

Axle Design

State-of-the-art engineering sets the standard for reliability and durability. Exclusive front axle cradle provides outstanding skidder balance and superior ride.



Robust componentry provides outstanding reliability and durability.

Full axle length oil sump provides excellent heat rejection for long life.

- All axle components are splash lubricated. The outboard bearings are maintenance free.
- Oil capacity provides excellent heat rejection, ensuring proper lubrication.
- Brake componentry is maintenance free, and provides reliable brake performance in the most demanding logging applications.
- Differential locks provide added traction in weak ground conditions. On-the-go engagement/disengagement allows operator to maintain production.

Heavy duty inboard final drives and brakes are protected from the harshness of logging environment.

Front axle cradle provides significant performance enhancement:

- Acts as a working counterweight to offset the weight of the log load and grapple.
- Creates superior balance for excellent uphill skidding performance.
- 15 degrees oscillation helps isolate the cab from axle movement for a smoother, more comfortable ride.
- Heavy duty trunnion bearings provide durable, reliable operation.

Hydraulics

State-of-the-art Hydraulic System contributes to operational ease and efficiency.

Load sensing hydraulics utilize a load sensing, variable displacement pump and pressure compensating system, which continually monitors braking, steering, and grapple hydraulic power requirements.

- System is capable of full steering power at low idle.
- Brake system maintains priority over other functions.

Reduced pump flow requirements:

- Reduce engine horsepower demand when not needed for hydraulic output.
- Make more power available to the wheels for increased skidding production and fuel efficiency.
- Reduce cooling demands of assorted power train components and hydraulic fluids.

The Auto-Grab feature from Cat constantly monitors and adjusts tong pressure as needed to securely hold grapple loads while skidding.

- Provides constant tong pressure.
- Easily activated by a switch located on the right-hand console.

Hydraulic retrieval device utilizes the power of the Caterpillar variable displacement pump.

- Provides excellent self-retrieval or light duty towing capability.
- Consumes engine power only when used, allowing more power to be available at the wheels.
- Lighter than the HD winch, which provides retrieval capability without unnecessary weight.

Operator's Station

Designed for operator comfort and ease of operation for maximum productivity.

Comfortable, easy operation. Modular ROPS/FOPS cab is resiliently mounted to the frame. Large window area allows excellent side and rear visibility. Ample sound insulation keeps enclosed cab sound levels below 85 decibels, which meets operator environment regulations and improves operator comfort. The new cab is sealed from exterior air flow (with windows closed) for improved heating and cooling, as well as keeping out dust, fumes and insects.

1 **Full 90° steering articulation**, stop-to-stop with about one quarter rotation provides excellent maneuverability and productivity. Steering column tilts and telescopes for improved operator comfort and efficiency.

2 **Transmission controls** for forward, reverse and gear range are located on the steering wheel for easy accessibility.

3 **Single-lever grapple control** for simplified operation and reduced operator effort.

4 **Decking blade control** provides excellent modulation and control for various decking and clearing functions.

5 **Caterpillar Monitoring System** monitors fuel level, torque converter temperature, engine coolant temperature, and shows operator what gear the machine is in. It also indicates voltage, fuel status, and has a three-level warning system to inform operators of potential problems.

6 **Standard suspension seat** swivels 30 degrees to the right for ease and comfort, while allowing the operator to observe skidder and grapple operations to the rear.

7 **AM/FM radio cassette player (optional)** and two speakers.

8 **Auto-grab switch.** System monitors and adjusts tong pressure as needed to maintain a secure grip on grapple loads.

9 **Differential lock switch.** Ergonomically located rocker switch allows quick engagement of differential locks when needed.

10 **Air-conditioning controls** are standard with enclosed cab attachment. Controls allow operator to manage cab temperature for optimal comfort levels.

Key start switch

Standard built-in 24 to 12-volt converter allows the use of a Caterpillar or automotive-style radio cassette player and features built-in communication radio circuitry for hook-up to a shortwave or CB radio.

Structures

Box-section design has set the logging industry standard for resiliency and durability.

New wider hitch pin spread significantly reduces horizontal loading on hinge pins and hinge pin bearings for improved pin and bearing life.

- Provides improved clearance for hydraulic line routings.

Robust rear frame provides the platform to support the various grapple arch, swing boom, or cable arch configurations.

- Long rear frame of the 525 provides three sets of cylinder mount bosses, which allow the use of dual function arch or swing boom configurations.
- The short 515 rear frame helps provide improved maneuverability, and a solid platform for the single function or cable skidding arch.

The front frame is designed with higher clearance to accommodate the front axle cradle mounts.

- Increased oscillation and the new position of the axle provide a smoother operator ride.

Decking blade with fabricated, box-section steel arms mounts directly to the mainframe for superior strength.

- Heat-treated cutting edge and maintenance-free pivot joints for outstanding durability.
- New, higher placement of blade mounts improves visibility to the blade corners and creates a more aggressive working angle for improved grading performance.
- Wide decking blade option (525 only) features bolt-on cutting edge for improved decking blade durability.

Serviceability

The most serviceable machines from the most committed dealers.

Built-in servicing ease. Less service time means more working time. Major components are made as modules and most can be removed without disturbing or removing others.

Ground-level access provides convenient servicing to most filters and lube points.

Centrifugal pre-cleaner removes large debris before it reaches the internal air cleaner to provide significant engine protection.

New radial seal air filters are easy to change, reducing air filter maintenance times.

The relocated turbocharger provides easy access to the air cleaner and allows the cab compartment to be sealed from dust and debris.

Spin-on fuel and engine oil filters save changing time.

Pressure taps are conveniently located to provide easy access to hydraulic system pressures.

24-volt electrical system delivers increased electrical power for engine cranking, lights, and engine diagnostics.

Total Customer Support

When you buy a Caterpillar machine, you also get Caterpillar's total commitment to customer support.

Parts availability. Most Cat parts are immediately available off the shelf. Cat Dealers rely on our worldwide computer network to find parts instantly and minimize your machine downtime. Many components are economically available as Caterpillar Remanufactured parts.

Service capability. Cat dealers are available to help you manage your machine service.

Literature support. Operation and maintenance manuals are easy to use helping you get the full value of your equipment investment.

Machine management service. Cat dealers help manage your equipment investments with:

- Machine systems analysis to match the right machine to your job conditions.
- Effective preventative maintenance programs.
- Diagnostic programs like Scheduled Oil Sampling and Technical Analysis.

- Information to make the most cost-effective repair option decisions.
- Customer meetings, training for operators and mechanics.

Engines

All Caterpillar engines are built to excel in even the most demanding jobs.

515/525

Four-stroke cycle, four cylinder 3304 diesel engine.

Ratings at 2200 RPM*	515 DIT HP	515 DIT kW	525 DITA HP	525 DITA kW
Gross power	159	118	179	134
Net power	140	104	160	119

The following ratings apply at 2200 RPM when tested under the specified conditions for the specified standard:

Net power	HP	kW
Caterpillar	160	119
ISO 9249	160	119
SAE J1349	158	118
EEC 80/1269	160	119

Dimensions

Bore	4.76 in	121 mm
Stroke	6.0 in	152 mm
Displacement	425 cu in	7.0 liters

*Power rating conditions

- based on standard conditions of 77°F (25°C) and 29.32 in Hg (99 kPa) dry barometer
- used 35° API gravity fuel having an LHV of 18,390 Btu/lb (42 780 kJ/kg) when used at 86°F (30°C) [ref. a fuel density of 7.001 lb/U.S. gal (838.9 g/L)]
- net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator
- EPA off-road emission certified engines.
- no derating required up to 7500 ft (2286 m) altitude

Features

- two hard faced intake and two exhaust valves per cylinder
- cam-turned and tapered, cast aluminum-alloy pistons have three rings and are cooled by oil spray
- steel backed, copper-bonded crankshaft bearings
- hardened crankshaft journals
- dry-type air cleaners with primary and secondary elements
- exclusive centrifugal pre-cleaner
- 24-volt electrical starting system with 75-amp alternator and two 700 CCA maintenance-free batteries

Transmission

Cat four-speed counter-shaft design with heavy duty torque converter.

515/525

		515 (23.1 x 26 tires) MPH	515 (23.1 x 26 tires) km/h	525 (28L x 26 tires) MPH	525 (28L x 26 tires) km/h
Forward	1	3.2	5.1	3.3	5.4
	2	5.6	9.0	5.7	9.2
	3	7.8	12.5	8.0	13.0
	4	14.3	23.0	14.6	23.5
Reverse	1	3.2	5.1	3.3	5.4
	2	5.6	9.0	5.7	9.2
	3	10.1	16.2	10.2	16.6

Features

- four speeds forward and three reverse
- three working gears, to better match horse power to skidding requirements
- push button transmission control provides easy shifting in all gears
- separate, dash-mounted switch locks transmission control in neutral
- machine will not move if started in gear

Hydraulic Controls

Closed-center, variable flow, pressure compensating system consists of pump, tank with filter, oil cooler, valves, lines, linkage and control lever.

515/525

Pump, axial piston type		
Output at 2200 Engine RPM	45.5 gpm	175 liters/min
Relief valve setting	3000 psi	20 700 kPa
Steering valve, with direct linkage, non follow-up		
Cylinders, two, double-acting:		
bore	3 in	(76 mm)
stroke	17 in	(436 mm)
rod diameter	1.77 in	(45 mm)
Steering relief valve settings	3000 psi	20 700 kPa
Dozer valve, with direct linkage control		
Cylinders, two, double-acting:		
bore	4 in	(102 mm)
stroke	14 in	(356 mm)
rod diameter	2 in	(51 mm)
Hydraulic retrieval device:		
maximum flow	45.5 gpm	175 liters/min
relief valve pressure	3000 psi	20 700 kPa
Grapple valve, three or four stack and pilot control valve		
Grapple system relief valve settings	3000 psi	20 700 kPa
Reservoir Tank Capacity	12.9 gal	49 liters

Load sensing hydraulics features

- system reduces pump output when hydraulic demand is low
- draws less engine power, providing more power to the drawbar
- hydraulic power is used more effectively and only when needed
- simplifies the skidder operation and saves fuel

Operating Weight

Open ROPS operator's environment, narrow decking blade, full fuel tank, 77 kg (170 lb.) operator.

	515 Skidder	525 Skidder
	8 ft² sorting grapple with 23.1 tires	9 ft² sorting grapple with 28L tires
Grapple Skidder	27,550 lbs (12 497 kg)	29,891 lbs (13 558 kg)

	Cable arch / fairlead / HD winch	
	with 23.1 tires	with 28L tires
Cable Skidder	29,390 lbs (13 331 kg)	30,549 lbs (13 857 kg)

Specifications Common to 515 and 525 Skidder

Brakes

Meets the following standards: OSHA, SAE J1178, ISO 11169-DEC94.

Service brake features

- fully hydraulic actuated, oil-disc brakes
- completely enclosed and sealed
- adjustment free
- separate circuits for front and rear axles

Secondary brake features

- Caterpillar Monitoring System alerts operator if brake oil pressure drops
- parking brake is automatically applied

Parking brake features

- mechanical, shoe-type brake
- mounted on transmission output shaft for manual operation

Cab

Enclosed cab is optional.

- enclosed cab and open canopy with screens meet operator protective structure criteria for forestry equipment SAE J1084 APR80, ISO 8084-1993

NOTE:
When properly installed and maintained, the enclosed cab offered by Caterpillar when tested with doors and windows closed according to ANSI/SAE J1166 MAY90, meets OSHA and MSHA requirements for operator sound exposure limits in effect at time of manufacture.

ROPS/FOPS

ROPS/FOPS canopy is standard.

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria SAE J1040 APR88 and ISO 3471-1994
- FOPS (Falling Object Protective Structure) meets FOPS criteria SAE J231 JAN81 and ISO 3449-1984

Electrical System

24-volt

Features

- two, 12-volt maintenance-free batteries
- 75-amp alternator
- wiring harnesses wrapped with braided, vinyl-coated nylon shielding for maximum protection
- connectors are self-sealing, yet still provide easy service access
- key start and stop

Dozer

Fabricated steel arms mount directly to the main frame structure.

- heat-treated cutting edge
- flared junction at box-section push arm and blade to reduce stress
- maintenance-free pivot joints
- two, end-mounted cylinders
- dozer hydraulic hoses and cylinders protected by extensions located at the top of the blade

Steering

Fully hydraulic control. Meets the following standards: SAE J1511 OCT90, ISO 5010-1992.

Features

- flow modulated steering hydraulics
- center-point frame articulation
- tilt-adjustable, telescopic steering column

Tires

Logger (LS-2), steel breaker belts, tube-type.

	23.1 x 26	28L x 26	24.5 x 32	30.5 x 32	67/34 x 25	66/43 x 25	73/44 x 32
515 Skidder	•	•	•		•		
525 Skidder		•	•	•	•	•	•

Hydraulic Retrieval Device

hydraulically driven, electronically controlled via rocker switch in operator compartment.

		515/525 Skidder	
Line pull (bare drum)		20,000 lbs	89.0 kN
Line speed (full drum)		142 ft//min.	43.3 m/min.
Drum capacity	5/8 in (15.9 mm)	200 ft	60.9 m
Drum diameter		10 in	254 mm
Drum width		8.1 in	205.7 mm

Winch

Hydraulically controlled and mechanically driven.

	515 Skidder	525 Skidder
Line pull (maximum at stall)*: bare drum, 5/8 in OD cable	30,000 lb (134 kN)	38,200 lb (170 kN)
Line speed (full drum) at rated engine RPM* and 5/8 in OD cable	502 ft/min (153.1 m/min)	502 ft/min (153.1 m/min)
Line speed (bare drum) at rated engine RPM* and 5/8 in OD cable	336 ft/min (102.5 m/min)	336 ft/min (102.5 m/min)
Drum capacity*		
5/8 in (15.9 mm)	282 ft (86 m)	282 ft (86 m)
3/4 in (19.0 mm)	199 ft (61 m)	199 ft (61 m)
7/8 in (22.2 mm)	143 ft (49 m)	143 ft (49 m)
Drum diameter	12 in (304.8 mm)	12 in (304.8 mm)
Drum width	7.9 in (200 mm)	7.9 in (200 mm)
Flange diameter	19.5 in (495 mm)	19.5 in (495 mm)

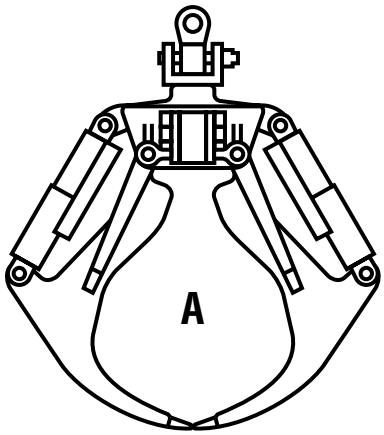
* SAE J1158 JAN85

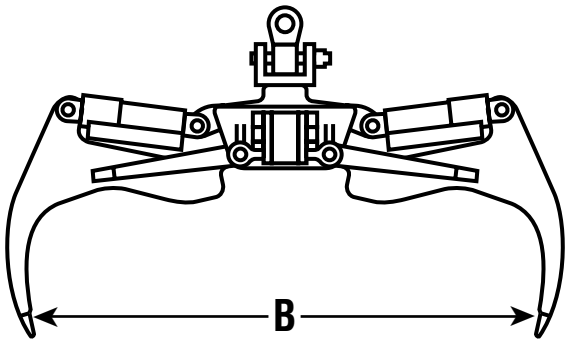
Service Refill

	515 Skidder		525 Skidder	
	U.S. Gallons	L	U.S. Gallons	L
Fuel tank	49	185	68	265
Cooling system	9	36	9	36
Crankcase	4	19	4	19
Transmission and torque converter	14	53	14	53
Differential and final drives:				
Front	11	42	11	42
Rear	11	42	11	42
Hydraulic System:				
Tank	12	49	14	55
Total	19	71	18	70
Retrieval Devices:				
Heavy Duty Winch (fill at rear axle)	5.1	19.4	5.1	19.4
Hydraulic Retrieval Device	.55	2.1	.55	2.1

Grapples

Choose from a variety of grapple configurations to meet your needs.

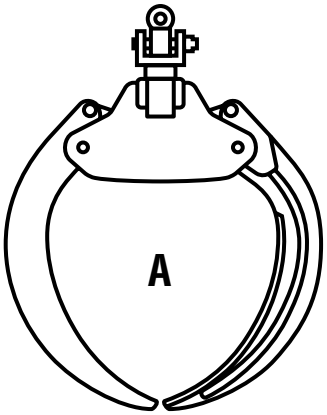


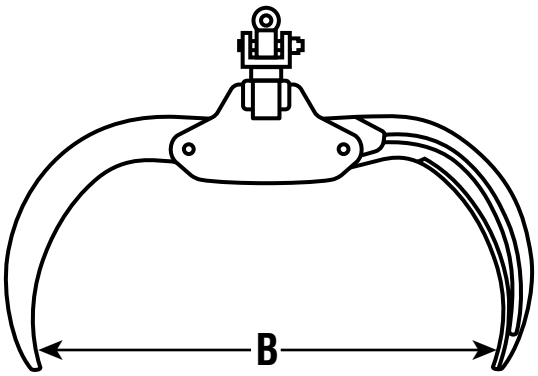


Sorting Grapple

- Used for 12 in (305 mm) or larger diameter trees
- Designed to pick-up individual or several stems for quick cycles

Sorting Grapples	Grapple Capacity (A)		Tong Opening (B)	
	ft²	m²	in	mm
515 Skidder	8.0	.74	84	2134
525 Skidder	9.0	.84	100	2540





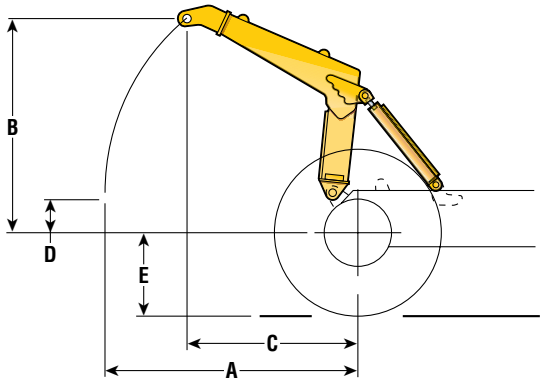
Bunching Grapple

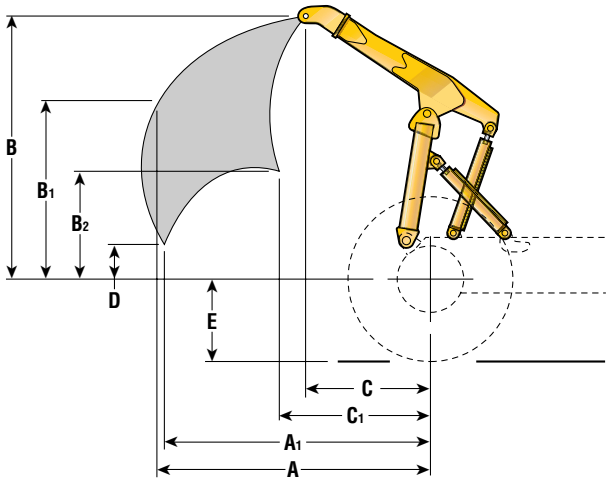
- Used for 12 in (305 mm) or smaller diameter trees
- Designed to gather bundle of stems and maximize grapple loads

Bunching Grapples	Grapple Capacity (A)		Tong Opening (B)	
	ft²	m²	in	mm
515 Skidder	8.0	.74	90	2286
525 Skidder	11.2	1.04	110	2794
	12.5	1.16	124	3150

Arch Configurations

Three arch configurations allow you to effectively match the 515/525 Skidder to a wide variety of skidding applications.



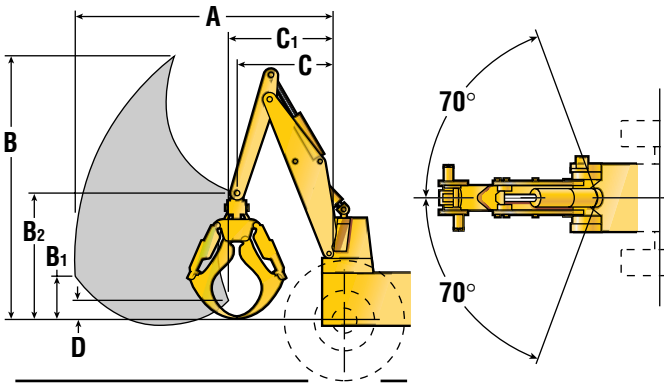


Single-function arch

- Versatile attachment suitable for selection and clear cut applications
- Reach consists of one vertical arc
- Typical application include short cycles and/or larger diameter timber

Dual-function arch

- Extended range provides extra reach for grabbing large bundles of feller bunched, small diameter logs
- Ability to position load closer to tractor for improved stability and traction
- Typical applications include longer cycles and small diameter bunched timber



Arch/Grapple Combinations

	515 Skidder	525 Skidder
Single function		
8.0 ft² (.74 m²) sort/84" (2134 mm)	●	
8.0 ft² (.74 m²) bunch/90" (2286 mm)	●	
9.0 ft² (.84 m²) sort/100" (2540 mm)		●
11.2 ft² (1.04 m²) bunch/110" (2794 mm)		●
Dual function		
9.0 ft² (.84 m²) sort/100" (2540 mm)		●
11.2 ft² (1.04 m²) bunch/110" (2794 mm)		●
12.5 ft² (1.16 m²) bunch/120" (3048 mm)		●
Swing boom		
9.0 ft² (.84 m²) sort/100" (2540 mm)		●

Swing boom

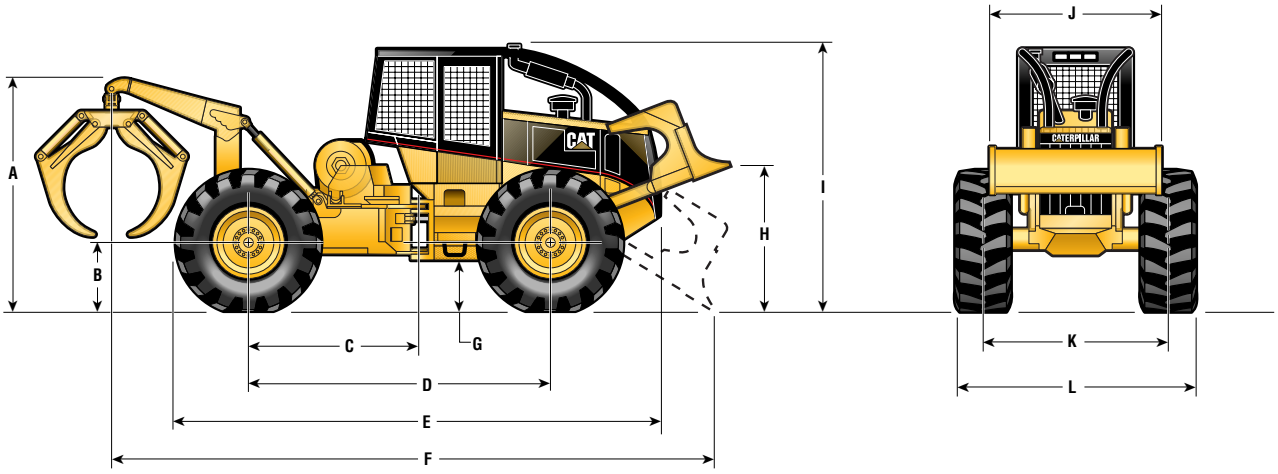
- Excellent reach to the rear and side for maximum skidder versatility
- Suitable for hard to reach timber on steep slopes, soft ground, or selection harvest or thinnings
- Reduces cycle times by reducing the amount of maneuvering of the skidder to reach logs
- Complements the 525 excellent visibility for outstanding operational ease and comfort
- Includes special six functions single lever swing boom control

Dimension	A	A1	B	B1	B2	C	C1	D	E
Single Function	99.1 in (2517.1 mm)	—	85.4 in (2169.2 mm)	—	—	65.6 in (1666.2 mm)	—	13.5 in (342.9 mm)	31.8 in (807.7 mm)
Dual Function	107.3 in (2725.4 mm)	104.5 in (2654.3 mm)	106.1 in (2694.9 mm)	72.0 in (1828.8 mm)	44.3 in (1125.2 mm)	48.9 in (1242.1 mm)	58.7 in (1491.0 mm)	14.9 in (378.5 mm)	31.8 in (807.7 mm)
Swing boom Arch	150 in (3810 mm)	—	151 in (3835 mm)	71 in (1803 mm)	24 in (610 mm)	62 in (1575 mm)	65 in (1651 mm)	9 in (229 mm)	— —

Dimensions

All dimensions are approximate.

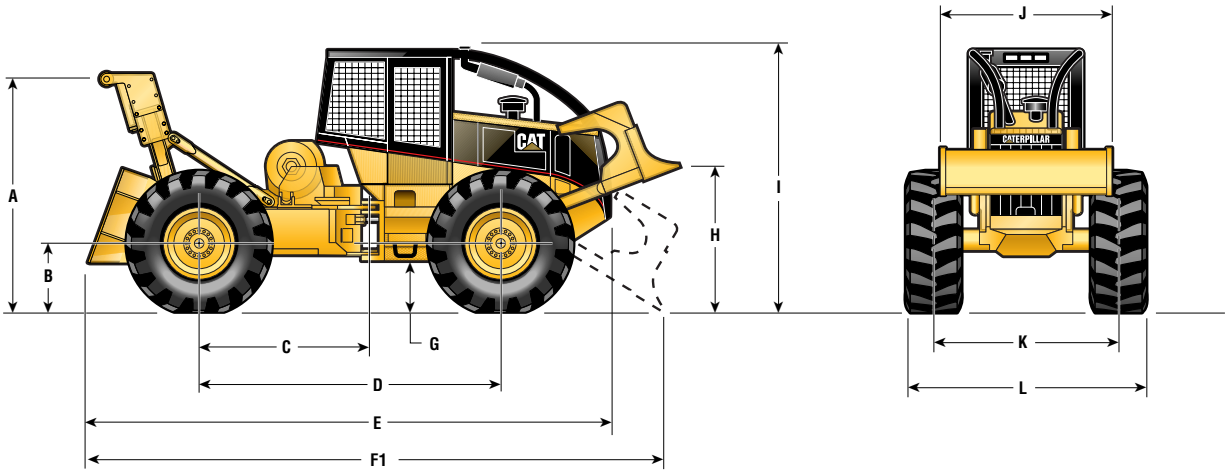
Grapple



Dimension		515	525
	Overall machine width	107.2" (2724 mm)	122.2" (3105 mm)
	Ground clearance	18.0" (457.5 mm)	18.5" (470 mm)
A	Ground level to center line of top roller (grapple)	113.6" (2886 mm)	113.9" (2893 mm)
	Ground level to center line of top roller (cable)	103.6" (2631 mm)	103.9" (2638 mm)
B	Ground level to axle center line	28.5" (724 mm)	29.0" (736.6 mm)
C	Rear axle center line to pin	64.4" (1635 mm)	72.4" (1839 mm)
D	Wheel base	129.9" (3300 mm)	137.9" (3503 mm)
E	Length without dozer or arch	210.4" (5344 mm)	218.4" (5547 mm)
F	Overall length	228.3" (5800 mm)	236.2" (6000 mm)
F1	Overall length	243.3" (6180 mm)	251.0" (6375 mm)
G	Ground clearance	20.3" (516 mm)	20.7" (527 mm)
H	Decking blade lift height	48.5" (1232.5 mm)	49.0" (1245 mm)
I	Height to top of cab	121.0" (3073 mm)	121.5" (3087 mm)
J	Decking blade width	85.0" (2159 mm)	85.0" (2159 mm)
K	Tread width	82.7" (2100 mm)	93.0" (2362 mm)
L	Overall width	107.2" (2724 mm)	122.2" (3105 mm)

* With 23.1 x 26 tires
** With 28L x 26 tires

Cable



Base Skidder

Note: Standard equipment may vary. Consult your Caterpillar dealer for specifics.

Air cleaner, 2-stage with
  pre-cleaner
Alarm, back-up
Alternator, 75 amp/24-volt
Batteries, two 12-volt
Brakes: service, secondary, parking
Blower fan
Cap locks:
  Oil filler
  Oil dipstick
  Fuel tank
  Hydraulic tank
Differential lock axles (front and rear)
Direct electric starting, 24-volt
Decking blade (and hydraulics), narrow
Engine enclosures (perforated)
Gauges:
  Ammeter
  Brake indicator light
  Electric hour meter
  Fuel pressure
  Engine oil pressure
  Engine water temperature
  Torque converter temperature
Guards:
  Dozer cylinder
  Fan
  Front brush sweeps
  Hinged radiator guard with
    lift-out screen
  Integral underguards
Horns:
  Warning
Indicators:
  Air cleaner service
  Visual hydraulic oil level
Lighting system, halogen
  three front, three rear
Muffler
Operator environment:
  Rear view mirrors
  30 degrees swivel suspension seat
  Seat belt
  Tilt and telescoping half wheel
  Steering wheel mounted
    transmission control
  Cup holder
Pump, fuel priming
Vandalism protection

Additional Equipment

With approximate changes in operating weights.
Note: Additional equipment choices may change without notice. Consult your Caterpillar dealer for specifics.

	lb	kg
Axles		
Narrow (515 only)	3,756	680
Wide (515 and 525)	4,015	1823
Arch		
Single function		
515	1,765	801
525	2,070	940
Dual function		
(525 only)	2,630	1,194
Swingboom		
(525 only)	5,350	2429
Cable skidding	3,500	1589
Grapples		
8.0 ft^2 (.74 m^2) - sorting (515 only)	1,550	680
8.0 ft^2 (.74 m^2) - bunching (515 only)	1,580	717
9.0 ft^2 (.84 m^2) - sorting (525 only)	1,780	807
11.2 ft^2 (1.04 m^2) - bunching (525 only)	2,350	1066
12.5 ft^2 (1.16 m^2) - bunching (525 only)	2,460	1116

	lb	kg
Enclosed cab window screens	150	68
Cold weather starting aid package	16	7
Operator environment		
Open ROPS	1,900	863
Enclosed ROPS	2,000	908
Tires and tubes, set of four:		
Logger (LS-2), steel breaker belts:		
23.1 x 26, 14 PR (515 only)	3,160	1435
28L x 26, 12 PR (515 only)	3,634	1650
28L x 26, 14 PR (525 only)	3,634	1650
24.5 x 32, 16 PR (525 only)	4,236	1923
30.5L x 32, 16 PR (525 only)	5,165	2345
66/43 x 25, 14 PR	5,640	2560
73/44 x 32, 14 PR (525 only)	6,400	2905
Wide decking blade (bolt on edge)	550	250
Hydraulic retrieval device	1,100	500
Grapple fenders	1,450	658

515/525 Skidder

AEHQ5166-04 (04-99)
(Replaces AEHQ5166-03)

CATERPILLAR®