

553/563/573

Wheel Feller Buncher

CATERPILLAR®



	553	563	573
Engine	CAT C6.6 ACERT Engine Tier III Compliant	CAT C7 ACERT Engine Tier III Compliant	CAT C7 ACERT Engine Tier III Compliant
Gross Power	129 kW (173 HP)	147 kW (197 HP)	168 kW (225 HP)
Weight, less attachment	11 476 kg (25,300 lb)	12 372 kg (27,275 lb)	12 599 kg (27,775 lb)

Cat® 553, 563 and 573
Wheel Feller Buncher

Power Train

- Field-proven Cat® ACERT™ diesel engines
- Tier III emission standards compliant
- 2-Speed mechanical gearbox
- Variable Hydrostatic Drive

Hydraulics

- Load sensing hydraulics system powers lift, tilt, steering and attachment arms
- Dedicated oil circulation pump for high cooling capacity
- Steering priority flow for maximum control

Operator Station

- High visibility cab with industry leading unobstructed view from tree bases to tree tops, throughout full articulation
- Quarter-turn steering with adjustable tilt-telescoping steering columns
- Optional joystick steering
- Adjustable armrests and seat



Structure

- Designed and built for maximum durability and reliability
- Proven, long-life center joint with tapered roller bearings
- Rugged lift system
- Up to 90° articulation for maximum maneuverability in thinning stands

Work Tool Options

- Saw attachments are power and performance matched to tractor
- Full line of attachments for all harvesting conditions

Serviceability

- Easy to maintain with tilt cab
- Central lube area
- Ground level access
- Filtered hydraulic oil fill

Caterpillar Wheel Feller Bunchers are durable, reliable and agile. With up to 90° articulation and liquid-smooth operation, Cat Wheel Feller Bunchers maneuver easily up and down hills and through dense timber. These rugged, reliable machines are designed for easy maintenance and low operating costs.

Contents

Operator Station.....	3
Structures.....	4
Serviceability.....	5
Cat 553/563/573 Specifications.....	6

Operator Station

High visibility operator station features an industry leading unobstructed view of tree bases and tree tops, throughout full articulation. The reverse-slope windshield prevents debris from collecting.



Windows

Take a look through the operator's eyes to see the full visibility of the working area. The front window has a reverse slope that protects the window from falling debris and keeps it clean. The front windows and the skylight are triple laminated Lexan for full operator protection.

The slope of the engine house allows clear rear views on both sides.



Steering

Steering control options are available to match the customer's needs. The standard option is wheel steering, a quarter-turn "Quick-Steer" arrangement that produces quick cycle times while minimizing operator fatigue.

Joystick Control

Joystick steering is available as an option to allow full operation of the tractor with two joysticks. The joystick system is smooth, with fast cycle times.

Structures

Cat Wheel Feller Bunchers have proven, long-life tapered roller-bearing center joints. The engine house design is very durable and angled allowing debris to fall and not collect.



Engine House

The rugged engine house is constructed of heavy plate and has locking service panels. An optional bolt-on rear canopy is available.



Roller Bearings

Large double tapered roller bearings in center for high capacity and long life.



Lift Arms

Rugged lift arms made with a large torque tube have sealed pins and lift cylinders have cast ends.

Serviceability

Routine maintenance is quick and simple with ground level access, central lubrication banks and a standard tilting cab. Each side of the engine house is fully accessed by removing two screen doors on each side.



Cab is tilted with easy access hand pumps.



The junction between the cab and engine house is sealed.

CAT® 553/563/573 Specifications

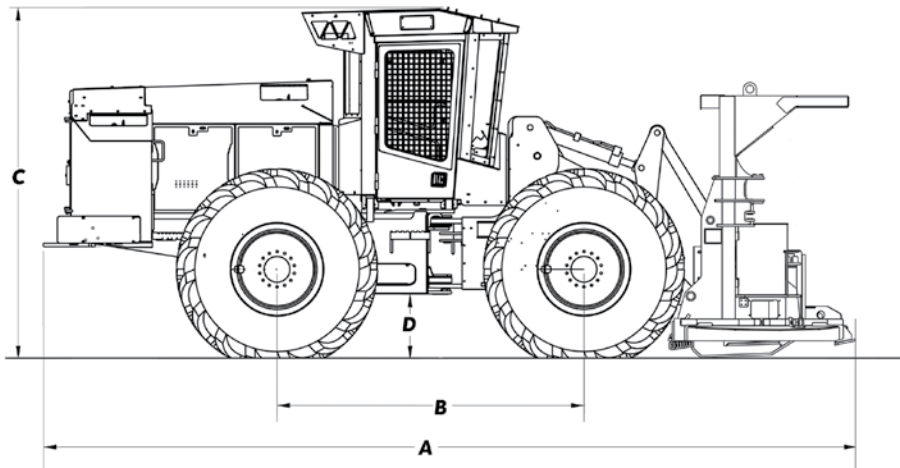
Engines		553		563		573	
Cat C6.6 ACERT Engine, Tier 3 Compliant - Rated Power @ 2200 RPM		129 kW	173 HP	NA		NA	
Cat C7 ACERT Engine, Tier 3 Compliant - Rated Power @ 1800 RPM		NA		147 KW	197 HP	NA	
Cat C7 ACERT Engine, Tier 3 Compliant - Rated Power @ 2200 RPM		NA		NA		168 KW	225 HP
Flexxaire Reversing Fan		NA		OPT		OPT	
Fuel Tank Capacity		273 L	72 Gal	273 L	72 Gal	273 L	72 Gal
Electrical System							
12-volt System with Circuit Breaker Protection and Master Disconnect		STD		STD		STD	
150 Amp Alternator		STD		NA		NA	
130 Amp Alternator		NA		STD		STD	
Lighting Package – 2 Forward, 2 Side, 2 Rear Facing, Mounted to Cab		OPT		OPT		OPT	
Structural							
Tilt Over Operators’ Cab		STD		STD		STD	
Heavy Duty Engine House		STD		STD		STD	
Bolt-on Rear Canopy		OPT		OPT		OPT	
Wrap-around Bumpers/Pressurized Water Tank		STD		STD		OPT	
Long-life Tapered Roller Bearing Center Joint		STD		STD		STD	
Drive Train							
Hydrostatic transmission with variable displacement pump and variable displacement motor. Two speed transfer case with manually operated shift/propel interlock; inboard planetary axles with front and rear hydraulic differential lock.							
Hydrostatic Pump		48 GPM @ 5420 PSI		48 GPM @ 5420 PSI		65 GPM @ 5420 PSI	
Filtration	13 Micron Absolute Rating	STD		STD		STD	
Axles	HA 2503 Front & Rear	STD		STD		STD	
	HA 2513 Front (required for tire sizes over 67/34 x 25)	NA		OPT		OPT	
Brakes	Service brake-hydrostatic-dynamic braking, plus pedal operated, wet disc brakes on the front axle						
		STD		STD		STD	
	Parking brake-lever operated, cable actuated with caliper disc on drive line at transfer case	STD		STD		STD	
Travel Speeds	Low Range w/ 28L x 26 Tires	8 km/H (0-5 MPH)		8 km/H (0-5 MPH)		8 km/H (0-5 MPH)	
	High Range w/28L x 26 Tires	24 km/H (0-15 MPH)		24 km/H (0-15 MPH)		24 km/H (0-15 MPH)	
Tires	28 L x 26 14 PR	STD		STD		STD	
	30.5 x 32 16 PR	NA		OPT		OPT	
	67 x 34 x 25 14 PR	OPT		OPT		OPT	
Hydraulic System							
Pumps	Load sensing, variable displacement pumps for lift and tilt and attachment, double gear pilot/differential lock & circulation pump						
Disc Saw – Fixed Displacement Piston Pump		26 GPM @ 3500 PSI		26 GPM @ 4000 PSI		32 GPM @ 4000 PSI	
PSI Cylinders	Steering (Bore x Rod)	3.5” X 2.0”		3.5” X 2.0”		3.5” X 2.0”	
	Lift (Bore x Rod)	4.0” X 2.5”		4.0” X 2.5”		4.0” X 2.5”	
	Tilt (Bore x Rod)	3.5” x 2.5”		4.0” x 2.5”		4.0” x 2.5”	
Filtration	Main Return - 4.5 Micron Absolute	STD		STD		STD	
	Auxiliary Hydraulics - 13 Micron Absolute Rating	STD		STD		STD	
Operator Station and Controls							
High visibility operators cab, reverse slope LEXAN windshield, eyebrow skylight, left side entry door, recessed door latch, sliding windows, right side emergency exit, high back operator’s seat, electronic gauges and warning lights, air conditioning/heating system digital AM/FM cassette stereo, horn, 10 lb. fire extinguisher, water tank hose storage, dual 12V power points							
Power Tilt Cab with Hand Pump		STD		STD		STD	
Right Hand Joystick Lift and Tilt Control		STD		STD		STD	
1/4 Turn “Quick Steer” with Steering Wheel, Foot Pedal Gathering Arm Control, Lap Belt		STD		STD		STD	
Joystick Steering with Foot Pedal Gathering Arm Control, Four-point Seat Belt		OPT		OPT		OPT	
Joystick Steering with Joystick Button Gathering Arm Control, Four-point Seat Belt		OPT		OPT		OPT	
Back-up Alarm		STD		STD		STD	
General Dimensions (with 28L x 26 tires)							
Weight, Less Attachment		11,476 kg	25,300 lbs	12,372 kg	27,275 lbs	12,599 kg	27,775 lbs
Ground Clearance		53 cm	21”	53 cm	21”	53 cm	21”
Articulation Angle		84 degrees		90 degrees		90 degrees	
Wheelbase		258 cm	101.5”	287 cm	113”	287 cm	113”
Width		279 cm	110”	295 cm	116”	295 cm	116”
Turning Radius		455 cm	14’ 11”	503 cm	16’ 6”	503 cm	16’ 6”
Height		320 cm	10’ 6”	320 cm	10’ 6”	320 cm	10’ 6”
Length	w/SH-50 High Capacity Bunching Saw	679 cm	22’ 3”	730 cm	23’ 11”	NA	
	w/SH-56 High Capacity Bunching Saw	NA		768 cm	25’ 2”	768 cm	25’ 2”

Wheel Feller Buncher Dimensions

		553	563	573
A+	Overall Length	679 cm (267.0")	767 cm (302.0")	767 cm (302.0")
B	Wheelbase	258 cm (101.5")	287 cm (113.0")	287 cm (113.0")
C*	Overall Height	316 cm (124.3")	320 cm (126.0")	320 cm (126.0")
D**	Ground Clearance	53 cm (21.0")	53 cm (21.0")	53 cm (21.0")
E***	Overall Width	274 cm (107.9")	292 cm (115.1")	292 cm (115.1")
F	Turning Radius	455 cm (179.0")	503 cm (198.0")	503 cm (198.0")
G	Weight, Less Attachment	11,476 kg (25,300 lbs)	12,372 kg (27,275 lbs)	12,599 kg (27,775 lbs)

- all dimensions shown with 28L x 26 tires

Notes: + 553 with SH-50 High Capacity Saw, 563/573 with SS-56 Side Cut Saw
 * for 67 x 34 x 26 tires add 3 cm (1.2"); for 30.5 x 32 tires add 13 cm (5")
 ** for 67 x 34 x 26 tires add 3 cm (1.2"); for 30.5 x 32 tires add 10 cm (4")
 *** for 67 x 34 x 26 tires add 29 cm (11.5"); for 30.5 x 32 tires add 12 cm (4.8")



CAT® 553/563/573 Wheel Feller Buncher

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

© 2009 Caterpillar Inc.
All rights reserved

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

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and 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.

CATWFB(08-09)

CATERPILLAR®
TODAY'S WORK. TOMORROW'S WORLD.™