M316F

Wheeled Excavator





Engine					
Engine Model	Cat® C4.4 ACERT™				
Emissions	U.S. EPA Tier 4 Final				
Net Power (maximum)					
ISO 9249/SAE J1349 at 2,000 rpm	105 kW	141 hp			
ISO 9249/SAE J1349 at 2,000 rpm (metric)		143 hp (PS)			
ISO 14396 at 2,000 rpm	110 kW	148 hp			
ISO 14396 at 2,000 rpm (metric)		150 hp (PS)			
Weights					
Operating Weight with Attachment	15 410 kg-	33,973 lb-			
	17 490 kg	38,559 lb			

Bucket Specifications		
Bucket Capacities	0.35 m ³ -	0.46 yd ³ -
	1.09 m ³	1.43 yd ³
Working Ranges		
Maximum Reach at Ground Level	9400 mm	30'10"
Maximum Digging Depth	6100 mm	20'0"
Drive		
Maximum Travel Speed	35 km/h	22 mph

M316F Features

Made to keep your costs down.

Not only does the machine give you all the versatility you need, but it does so while providing a great deal of precision and speed with an optimized fuel consumption — and zero impact on your efficiency.

Made to make operation easy and pleasant.

Have a seat, you will be impressed by the quietness and comfort of the cab. Feel relaxed, we help you make sure you're safe.

Enjoy integrated technologies; they act transparently.

When you add the ground level grouped service points that make your maintenance quick and easy, and multiple Cat attachments that help you do all kinds of jobs, you simply won't find a better machine.

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The new F Series generation is here to help you take on the wide variety of challenges you face every day, more easily and with more pleasure.

F Series - Easier Than Ever.



Fuel Efficiency and Reduced Exhaust Emissions

The engine meets Tier 4 Final emission standards, is powerful and efficient, with an optimized fuel consumption and no impact on your productivity. This means less resource consumption and fewer ${\rm CO}_2$ emissions.

Transparent Technologies and Longer Service Intervals

- The new Eco Mode, Auto Engine Speed Control and Engine Idle Shutdown help further reduce your overall fuel consumption.
- Product LinkTM allows remote monitoring of the machine and helps improve overall efficiency.
- Your Cat dealer can help extend service intervals, meaning fewer fluids and disposals, all adding up to lower costs.

Biodiesel and Biodegradable Hydraulic Oil

- The M316F has the flexibility of running on either ultra-lowsulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or up to B20 biodiesel fuel blended with ULSD.
- Cat BIO HYDO™ Advanced HEES™ reduces the impact on the environment.

Cat Certified Used

This program is a key element in the range of solutions offered by Caterpillar and Cat dealers to help customers achieve growth at the lowest cost while eliminating waste. Used equipment is inspected, guaranteed and ready for work and customers will benefit from a Caterpillar warranty.

Engine

Power, Reliability, and Fuel Economy

The Power and Performance You Need

Constant Power Strategy

Provides a quick response to changing loads, while delivering the same amount of power regardless of operating conditions.

A Transparent Emission Solution That Works

The Cat C4.4 ACERT engine meets today's Tier 4 Final emission standards, and it does so without interrupting your job process. It is designed to be:

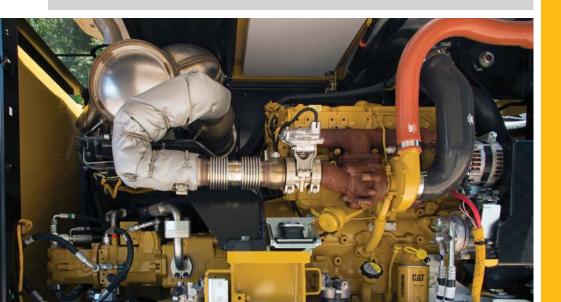
- Transparent: no operator intervention
- Efficient: no work interruption, even in case of extended idling time
- **Simple:** minimum maintenance. Longitudinal engine installation, which further simplifies maintenance.

Biodiesel Not a Problem

The engine can run on up to B20 biodiesel fuel that meets ASTM 6751 standards – all to give you more potential fuel-saving flexibility.

Proven Technology

To assure that our technology will meet your expectations for reliable trouble-free service, we subjected these engines and technologies to extensive operating hours of test and validation.





Built-in Fuel Savers That Add Up

- Automatic Engine Speed Control: lowers engine speed when it is not needed.
- NEW Engine Idle Shutdown (when activated): turns the engine off when it's been idling for more than a pre-set amount of time.
- NEW Cooling System: variable speed and on-demand fan optimizing consumption.
- NEW enhanced Eco Mode: reduces engine speed while delivering the same power.
- Automatic shift to Travel Mode when you start riding: optimizes driveline performance while preserving fuel.

Premium Comfort

Keeps Operators Productive All Shift Long



Legacy from the Renowned Cat Wheeled Excavators

Designed for the operator, our cabs are unique.

Ergonomic Layout

- Frequently used switches are centralized, kept to the minimum and ideally located close to the joysticks.
- Storage compartments are useful... when well designed. The lunch box provides sufficient room to store a hard hat. Several other areas include drink, phone, or key holders.

Comfortable Seat Options

Our seats provide all the comfort needed for a long day of work, including FULL adjustment. All seats are heated and air suspended. Automatic weight adjustment and air cooled seats are available.

Safety Is Not Optional

ROPS/FOGS compatible cabs, seat belt alarm, safety bar, sideview camera ... among others.

Details That Make the Difference

Have a look at the cab; you will see it is through details that we improve pleasure of operating.

Smart Controls to Reduce Fatigue

- Features like ride control, SmartBoom or Joystick Steering will be precious to increase your productivity.
- New technologies that work transparently like the swing and auto travel lock or the automatic brake and axle lock, reduce the number of tasks you need to do.

Plug, Charge and Play Your Devices

- The 12V 10A power supply socket is conveniently located for charging your laptop, or a tablet.
- A CD/MP3 Radio with speakers and USB port is available.







Simplicity and Functionality

For Ease of Operation

A Cab Just for You - Fully Adjustable

- Seat armrests, in height and angle
- Steering column adjustment, not only tilting fore/aft but also in height
- Hydraulic sensitivity of the machine to make it more or less aggressive
- Joystick controls, buttons and thumb wheels
- Automatic air conditioning

Low Sound Levels, Less Fatigue

Increased cab pressure, preventing from dust entry, combined with the new cab design contributes to reducing sound. Add in new hydro mounts to fix the cab on the frame and you have a cab that's as quiet as any of today's pickup trucks.

Outstanding Visibility: See the Difference!

- Standard LED working lights and halogen front roading lights
- · LED dome light
- All glass areas have been drastically increased
- Choice of 70/30 front windshield or one-piece laminated windshield
- New wide angle mirrors including a lower mirror for better visibility to the ground
- Parallel intermittent (four speeds) wipers covering the whole windshield

Standard Rear and Side Wide Angle Cameras

Cameras let you see what's going on around. The image from the side camera is displayed on an additional wide color screen, offering the full view from the front to the rear of the machine. The rear camera is integrated into the counterweight for enhanced protection.

Large Color Monitor

Easy to read and in local language, the high resolution LCD monitor will keep you aware of any important information. "Quick Access" buttons allow a quick selection of favorite functions. The tool select function lets you preset up to ten different hydraulic attachments for quick tool changes.

The Next Generation

Easier Than Ever



Make the Move to the Next Generation

Refinements. From the whole design to the smallest details.
Convenient features, new advanced and transparent
technologies, not only to reduce emissions but to further
improve your daily experience when working with our products.

Easier Than Ever

Work like no other with our wheeled excavators. The F Series generation is made to help you take on the wide variety of the challenges you face every day, more easily and with more pleasure, to keep you on the road to your success.

Cruise Control

Focus on the Road, Not on Your Foot



Cruise Control

No need to press the pedal all the time.

- · Choose the very speed you wish
- Press the quick access button on the monitor
- Enjoy the ride

It's as Easy as That.



Smart Technologies

Press Go and Relax

Swing and Auto Travel Lock: As Fast, As Safe

No need for the operator to bend to engage the swing lock pin.

- · Just press a button,
- Align the upper to the lower frame,
- Enjoy the ride: a green indicator confirms the swing and the implements have been automatically locked.

It's as Easy as That.

Integrated Pin Code - Switch Off and Relax

No need to buy an optional security system to protect your equipment against theft.

- The pin code is integrated into the monitor (standard)
- Entering the right code allows the engine to start

The Machine Security System (MSS – optional) adds even more protection when needed.

It's as Easy as That.





Dig and Go Auto Axle Lock

Presses the pedal for you, reducing the number of actions you need to do

The machine automatically detects when the service brake and axle need to be locked (like when digging), or unlocked (roading), hence removing the need for the operator to systematically press the pedal.

Brake and axle are released automatically by pressing the travel pedal again.

Hydraulics

Fast, Precise, Flexible

When it comes to moving material quickly, you need efficient hydraulics – the type the F Series can deliver.

Efficient Design, Smart and Fast

- Simple Design: The new hydraulic valve compartment and routings offer a simple and clean design to help ensure durability. Everything is reachable from ground level.
- Smart Main Hydraulics: The system allows reducing the load on the engine when not needed, which translates into lower fuel consumption.
- Dedicated Swing Pump: A closed hydraulic circuit is dedicated to the swing only. Having two separate pumps, one for the swing and the other for the other functions allows faster and smoother combined movements.

Control Like No Other

- Load Sensing Hydraulics Controllability is one of the main attributes of Cat excavators, and one of the key contributors to this is the load sensing hydraulic system that's designed to provide fast cycle times, great lift capacity and high bucket and stick forces to maximize your efficiency in any job.
- Adjustable Hydraulic Sensitivity Allows you to adjust the aggressiveness of the machine according to the application.
- Stick Regeneration Circuit Increases efficiency and helps enhance controllability for higher productivity.

Proportional Auxiliary Hydraulics, Tremendous Versatility

Medium pressure function (for tilting buckets or rotating tools), high pressure lines (for tilting/rotating attachments requiring a third auxiliary hydraulic function), hydraulic quick coupler circuit: they all come standard, which allows you to switch from one attachment to another, without the need to add lines and hydraulic circuits.







Undercarriage

Strength and Versatility at 35 km/h (22 mph)





Heavy Duty Axles

Long life with effective heavy duty axles. The transmission is mounted directly on the rear axle for protection and optimum ground clearance. The front axle offers wide oscillating and steering angles.

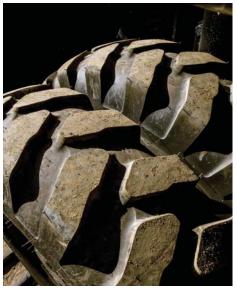
Advanced Disc Brake System

Minimizes the rocking effect when working free on wheels. The disc brake system acts directly on the hub instead of the drive shaft to avoid planetary gear backlash.



Fenders (optional)

Fenders provide excellent coverage of all tires, protecting the machine and surroundings from mud and stones being thrown up.



Joystick Steering

Keep both hands on the joysticks even when simultaneously moving the implements and repositioning the machine, by the use of the slider switch on the right joystick.

New Blade Design

- Optimized design to provide rigidity, stability and ease of maintenance.
- A profile that allows material to roll better and minimizes material packing.
- Choice of radial or parallel kinematic to keep the blade parallel to the ground, in every height position.

Booms and Sticks

Options To Take on Your Far-reaching or Up-close Tasks

Rugged Performance

Booms and sticks are welded, box section structures with thick, multi-plate fabrications in high stress areas for the tough work you do.

Flexibility

The choice of various booms and sticks provides the right balance of reach and digging forces for all applications.

Sticks

- Short stick 2100 mm (6'11") for maximum breakout force and lifting capability
- Medium stick 2400 mm (7'10") for greater crowd force and lift capacity
- Long stick 2600 mm (8'6") for greater depth and reach
- Industrial stick 3100 mm (10'2"): A drop nose stick for industrial applications.

Booms

- Variable Adjustable (VA) improved right side visibility and roading balance. When working in tight quarters or lifting heavy loads, the VA boom offers the best flexibility.
- One-Piece Boom Fits best for all standard applications such as truck loading and digging. A unique straight section in the curve of the side plate reduces stress flow and helps increase boom life.
- Offset Boom The large offset dimensions allow you to dig along walls, over obstacles, to grade while driving, and to dig under laid tubes without damaging them. The combination with a tiltable ditch cleaning bucket lets you operate a highly versatile system.





SmartBoom

Reduces Stress and Vibration

Rock Scraping

Scraping rock and finishing work is easy and fast. SmartBoom simplifies the task and allows more focus on stick and bucket, while the boom freely goes up and down without using pump flow.

Hammer Work

The front parts automatically follow the hammer while penetrating the rock. Blank shots or excessive force on the hammer are avoided resulting in longer life for the hammer and the machine. Similar advantages with vibratory plate compactors.

Truck Loading

Loading trucks from a bench is more productive and fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.



Ride Control

Fast Travel Speed with More Comfort

The ride control system lets you travel faster over rough terrain with improved ride quality for the operator. Accumulators are acting as shock absorbers to dampen the front part motion. It can be activated through a button located on the soft switch panel in the cab.

















Save Time with Tool Changes

Job Site Confidence ... From the operator's seat, visual and audible indicators help assure that the attachment is coupled. Your Cat excavator hydraulics, mechanisms inside the coupler, and digging forces all work together to assure the attachment stays engaged. The Cat Pin Grabber coupler is the secure way to decrease downtime by allowing quick attachment change, and increase job site flexibility.





Power Match

Match your Cat hydraulic work tools attachment to your Cat machine, and get the most out of the standard, built-in software. Attachment changes have never been easier!



Get the Most from Your Machine

If you have multiple tasks to get done, the M316F can help. And you can easily expand all the possibilities it offers by utilizing any of the variety of Cat attachments.



Dig, Load, Finish and Compact

A wide range of buckets offers solutions for digging, trenching, loading and finishing works. The addition of a Cat Compactor will introduce your machine to utility work, site prep, road repair and pipeline work.



Choose from one of three different thumb styles to work with your bucket and you have the instant ability to move and handle brush, rocks and debris.

Demolish and Break

Our hammer includes a buffer to improve your comfort and protect your machine from vibration. Fully enclosed, it is ideal when working in noise regulated areas.

Sort and Load

Demolition and Sorting Grapples bring your machine into demolition and waste handling opportunities. Jaws open wide to move volumes, yet are nimble enough to pull a single copper wire out of a pile. Their 360° rotation capability allows you to place the grapple where you want it without moving the machine.



Scrap and Recycle

Shears also have the ability to rotate 360°. A pulverizer allows you to crush and reduce concrete.

Serviceability

When Uptime Counts

Convenient Access Built In

You can reach routine maintenance items like fuel and engine oil filters and fluid taps at ground level while fuel and DEF tanks with engine air filter are accessible from the safety of the slip-resistant new service platform. Compartments feature wide composite service doors, designed to be more resistant to shocks, which all include gas struts to facilitate the opening. Components are now gathered in specific dedicated compartments, like the special electrical compartments.

A Smart Design for Any Temperature

The side-by-side coolers and axial fan design allows greater cooling performance. The system is completely separated from the engine compartment to reduce noise and heat and all radiators are gathered in the same compartment while featuring easy-to-clean cores with a tilting device that requires no tool to unlock.

A Fresh Idea

Ventilation inside the cab allows outside air to enter through a fresh air filter. The filter is located on the side of the cab to make it easy to reach, and it is protected by a lockable door that can be opened with the ignition key.

Lube and Fuel Options

An electric lubricator system is an available time-saving standard feature for greasing the whole upper carriage. Greasing points for the undercarriage are kept to a minimum and grouped. The new drive shaft extends greasing intervals from 500 hours to 1,000 hours and allows simultaneous greasing with the lower axle bearing. An electric refueling pump is also standard. The hose is stored in a dedicated tray, for more cleanliness. Add in the new electric lift pump removing the need to prime the system manually, the standard fuel and water separator and you get a machine that does the fastidious maintenance works for you.

Keep It Simple.









Integrated Technologies

It Pays to Know



Asset Double

Ostalboard Location Alerts Health Maintenance System Details

Status

Asset D
CAT Day

Open Airets

Open Airets

Description

Fuel Level

Lifetime Fuel

1440

Liters

Working B
Working Cat Name

Open Airets

Outprotices

Fuel Level

Lifetime Fuel

1440

Liters

Today

70 Day

70 Day

12 Day

14 Day

Today

70 Day

14 Day

Today

70 Day

15 Day

Today

Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Cat Connect technologies offer improvements in these key areas:



Equipment Management – increase uptime and reduce operating costs.



Productivity – monitor production and manage job site efficiency.



Safety – enhance job site awareness to keep your people and equipment safe.

Featured Cat Connect technologies include the following:

Link

Link technologies provide wireless capability to machines to enable two-way transfer of information collected by on-board sensors, control modules, and other Cat Connect technologies.

Manage Your Machine Remotely

Cat Product Link is a system that is deeply integrated into the machine monitoring system to take the guesswork out of managing your equipment. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes and shares it with you through VisionLink® to help you maximize efficiency, improve productivity, and lower operating costs.

CAT® CONNECT









Safety

Your Safety Is NOT Optional

Embedded Features

Smart devices are embedded to offer as much safety as possible for your operators and help enforce safe behavior:

- Safety seat belt and warning indicators (monitor)
- Automatic swing lock
- Automatic brake and axle lock
- Safety lever, preventing exit when the implements are not locked out
- Emergency shut off switch and battery disconnect switch
- Travel alarm
- Lowering check valves

Safe and Quiet Cab

The all-new cab provides you with a safe environment. It also contributes to your comfort with limited vibrations and low sound levels.











Access into the cab of a wheeled excavator has always been a challenge. We bring a solution to allow you to safely climb into the cab:

- Three longer access steps, aligned with the cab entry
- Anti-skid plates on all walkways and steps reducing slipping hazards
- New, convenient door handrail
- Safety lever built into the tiltable console to make sure the way in and out is free of obstacle



- 1) Laminated windshield and skylight window
- 2) Lowering check valves
- 3) Safety seat belt indicator
- 4) Safety lever
- 5) Emergency shut-off switch
- 6) Automatic brake and axle lock
- 7) Punched, anti-slippery walking surfaces
- 8) Battery disconnect switch
- 9) Swing and implement electronic lock
- 10) Travel alarm
- 11) All doors equipped with gas struts cylinders
- 12) Emergency hammer and exit
- 13) ROPS compliant and front/top guards compatible cab
- 14) Sound proofing
- 15) Beacon available

Smart Lighting

- LED lights for all working lights for enhanced night-time visibility
- Halogen lights for front roading lights
- LED dome light for better illumination inside the cab







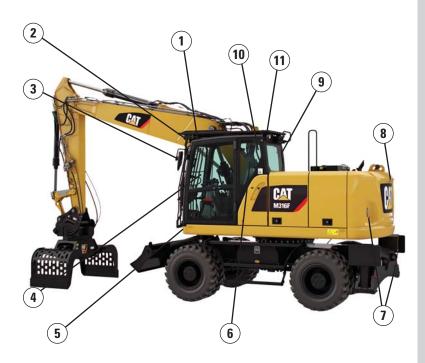


Great Views

- Enlarged glass gives you excellent visibility to the front, top, rear, and sides, even to the right
- Standard rearview camera gives you a clear field of view behind the machine through the monitor. Camera is integrated into the counterweight.
- Standard sideview camera, to check nothing is hidden to you from the front right hand side to the rear of the machine
- Lenses of all the cameras are wide angle and heated
- All mirrors are wide angle and allow view not only around the machine but also to the ground

Unmatched Visibility

Make Sure Nothing Is Hidden to You



Visibility all around is critical, especially for machines which go on public roads.

- 1) Increased skylight and windshield glass area
- 2) Improved lighting with standard LED lights for all working lights
- 3) Optional heated mirrors
- 4) Great left hand side visibility with the new all glass door
- 5) Halogen front roading lights
- 6) Wide rear window
- 7) Reflecting red lights on rear and blade/outriggers
- 8) Standard wide rearview camera
- 9) Standard side camera and dedicated monitor
- 10) Large right hand side window
- 11) Mirrors, wide angle, with additional lower mirror for ground visibility

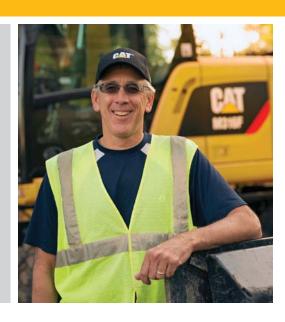
Complete Customer Care

Your Cat Dealer Will Support You Like No Other

Support You Can Count On

From helping you to choose the right machine to knowledgeable on-going support, Cat dealers provide the best-in-sales and services.

- Best long-term investment with financing options and services
- Productive operation with training programs
- Preventive maintenance and guaranteed maintenance contracts
- Uptime, with best-in-class parts availability
- Repair, rebuild, or replace? Your dealer can help evaluate the best option.



Engine		
Engine Model	Cat C4.4 A	CERT (1)
Ratings	2,000 rpm	
Engine Gross Power (maximum)		
ISO 14396	110 kW	148 hp
ISO 14396 (metric)		150 hp (PS)
Net Power (Rated) (2)		
ISO 9249/SAE J1349	105 kW	141 hp
ISO 9249/SAE J1349 (metric)		143 hp (PS)
80/1269/EEC	105 kW	141 hp
Net Power (maximum)		
ISO 9249/SAE J1349	105 kW	141 hp
ISO 9249/SAE J1349 (metric)		143 hp (PS)
80/1269/EEC	105 kW	141 hp
Bore	105 mm	4.1 in
Stroke	127 mm	5 in
Displacement	4.4 L	268.5 in ³
Maximum Torque at 1,400 rpm	560 N·m	413 lbf-ft
Number of Cylinders	4	

- (1) Meets Tier 4 Final emission standards.
- (2) Rated speed 2,000 rpm.
- Net power advertised is the power available at the flywheel when engine is equipped with air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- No deratings required up to 3000 m (9,842 ft) altitude. Automatic derating occurs after 3000 m (9,842 ft).

Transmission		
Forward/Reverse		
1st Gear	10 km/h	6.2 mph
2nd Gear	35 km/h	22 mph
Creeper Speed		
1st Gear	3 km/h	1.9 mph
2nd Gear	10 km/h	6.2 mph
Drawbar Pull	104 kN	23,380.1 lbf
Maximum Gradeability (16 500 kg/36,380 lb)	78%	

Service Refill Capacities		
Fuel Tank (total capacity)	330 L	87.2 gal
Diesel Exhaust Fluid Tank	19 L	5 gal
Cooling System	38 L	10 gal
Engine Crankcase	8 L	2.1 gal
Rear Axle Housing (differential)	14 L	3.7 gal
Front Steering Axle (differential)	10.5 L	2.8 gal
Final Drive	2.5 L	0.7 gal
Powershift Transmission	2.5 L	0.7 gal

Swing Speed	9 rpm	
Swing Torque	38 kN·m	28,120 lbf-ft
Undercarriage		
Ground Clearance	370 mm	14.6 in
Maximum Steering Angle	35°	
Oscillation Axle Angle	±8.5°	
Minimum Turning Radius		
Outside of Tire	6300 mm	20.7 ft
End of One-Piece Boom	8400 mm	27.6 ft
End of VA Boom	7100 mm	23.3 ft
End of Offset Boom	7100 mm	23.3 ft
Weights		
Operating Weights*	15 410 kg- 17 490 kg	33,973 lb- 38,559 lb
Weights		
VA Boom		
Rear Dozer Only	15 390 kg	33,929 lb
Rear Dozer, Front Outriggers	16 360 kg	36,068 lb
Front and Rear Outriggers	16 630 kg	36,663 lb
One-Piece Boom		
Front Dozer, Rear Outriggers	15 880 kg	35,009 lb
Front and Rear Outriggers	16 150 kg	35,605 lb
Offset Boom		
Rear Dozer, Front Outriggers	16 890 kg	37,236 lb
Front and Rear Outriggers	17 160 kg	37,831 lb
Sticks**		
Short, 2100 mm (6'11")	705 kg	1,554 lb
Medium, 2400 mm (7'10")	735 kg	1,620 lb
Long, 2600 mm (8'6")	755 kg	1,664 lb
Industrial-Drop Nose, 3100 mm (10'2")	420 kg	926 lb
Counterweights		
Standard	3200 kg	7,055 lb
Optional	3700 kg	8,160 lb

^{*}Operating weight includes medium stick, 3200 kg (7,054.784 lb) counterweight, full fuel tank, operator, and dual pneumatic tires. Weight varies depending on configuration.

^{**}Includes cylinder, bucket linkage, pins and standard hydraulic lines.

Hydraulic System		
Tank Capacity	122 L	32.2 gal
System	240 L	63.4 gal
Maximum Pressure		
Implement Circuit		
Normal	350 bar	5,076 psi
Heavy Lift	375 bar	5,439 psi
Travel Circuit	350 bar	5,076 psi
Auxiliary Circuit		
High Pressure	350 bar	5,076 psi
Medium Pressure	185 bar	2,683 psi
Swing Mechanism	370 bar	5,366 psi
Maximum Flow		
Implement/Travel Circuit	240 L/min	63 gal/min
Auxiliary Circuit		
High Pressure	240 L/min	63.4 gal/min
Medium Pressure	50 L/min	13.2 gal/min
Swing Mechanism	80 L/min	21.1 gal/min

Tires	
Standard	10.00-20 (Dual Pneumatic)
Optional	10.00-20 (Dual Solid Rubber) 11.00-20 (Dual Pneumatic) 445/70/R19.5 TL XF (Single Pneumatic)

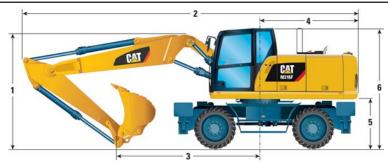
Dozer Blade				
Blade Type	Radial		Parallel	
Width	2540 mm	8'4"	2550 mm	8'4"
Blade Roll-Over Height	540 mm	1'9"	576 mm	1'11"
Blade Total Height	580 mm	1'11"	680 mm	2'3"
Maximum Lowering Depth From Ground	120 mm	5"	131 mm	5"
Maximum Raising Height Above Ground	475 mm	1'7"	496 mm	1'8"

Emissions and Safety	
Engine Emissions	Tier 4 Final
Fluids (Optional)	
Cat Bio HYDO Advanced	Readily biodegradable EU Flower eco-label certified
Biodiesel up to B20	Meets EN 14214 or ASTM D6751 with EN590 or ASTM D975 Standard Mineral diesel fuels
Diesel Exhaust Fluid	Must meet ISO 22241
Vibration Levels	
Maximum Hand/Arm	
ISO 5349:2001	<2.5 m/s ² <8.2 ft/s ²
Maximum Whole Body	
ISO/TR 25398:2006	$<0.5 \text{ m/s}^2$ $<1.6 \text{ ft/s}^2$
Seat Transmissibility Factor	
ISO 7096:2000-spectral class EM5	<0.7
Standards	
ROPS	ROPS (Rollover Protective Structure) offered by Caterpillar meets ROPS criteria ISO 12117-2:2008
Operator Protective Structure:	FOPS (Falling Object
top/front guards	Protective Structure)
	meets FOPS criteria
	ISO 10262:1998 and SAE J1356:2008
Cab/Sound Levels	Meets appropriate standards as listed below
Sound Performance	
Operator Sound	
2000/14/EC	71 dB(A)
Spectator Sound	
2000/14/EC	101 dB(A)

- Operator Sound The operator sound level is measured according to the procedures specified in 2000/14/EC, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/ windows open) for extended periods or in noisy environment(s).

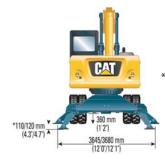
Dimensions

All dimensions are approximate. Values are with 10.00-20 pneumatic tires and standard undercarriage.



		VA Boom			One-Piece Boom				Offset Boom		
Stick Length	mm (ft/in)	2100 (6'11")	2400 (7'10")	2600 (8'6")	3100 (10'2")	2100 (6'11")	2400 (7'10")	2600 (8'6")	3100 (10'2")	2100 (6'11")	2400 (7'10")
1 Shipping Height with Falling Object Guard and Handrails Lowered (highest point between boom and cab)	mm (ft/in)	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")	3300 (10'10")
2 Shipping Length	mm (ft/in)	8645 (28'4")	8640 (28'4")	8635 (28'4")	8610 (28'3")	8485 (27'10")	8490 (27'10")	8495 (27'10")	8505 (27'11")	8640 (28'4")	8630 (28'4")
3 Support Point	mm (ft/in)	3915 (12'10")	3655 (12'0")	3550 (11'8")	3650 (12'0")	3570 (11'9")	3285 (10'9")	3165 (10'5")	3230 (10'7")	4020 (13'2")	3775 (12'5")
4 Tail Swing Radius	mm (ft/in)		2220	(7'3")		2220 (7'3")				2220 (7'3")	
5 Counterweight Clearance	mm (ft/in)		1260	(4'2")			1260	(4'2")		1260	(4'2")
6 Cab Height – No Falling Object Guard, Handrails Lowered	mm (ft/in)		3170	(10'5")			3170	(10'5")		3170 ((10'5")
With Handrails not Lowered	mm (ft/in)		3240	(10'8")			3240	(10'8")		3240 (10'8")
With Falling Object Guard	mm (ft/in)		3300 (10'10")		3300 (10'10")				3300 (10'10")	
7 Overall Machine Width					Stan	dard/Hea	vy Duty U	ndercarri	iage		
Width with Outriggers on Ground	mm (ft/in)	3645/3680 (12'0"/12'1")		3645/3680 (12'0"/12'1") 3645/3680 (12'0"/12'1")		1")	3645/3680 (12'0"/12'1")			
Width with Outriggers Up	mm (ft/in)	2545/2550 (8'4"/8'4")		2545/2550 (8'4"/8'4")			")	2545/2550	(8'4"/8'4")		
Width with Blade	mm (ft/in)	2540/2550 (8'4"/8'4")		2540/2550 (8'4"/8'4")			")	2540/2550			
8 Maximum Outriggers Depth	mm (in)		110/120 (4.3"/4.7")		110/120 (4.3"/4.7")	110/120 (4.3"/4.7")





*Maximum tire clearance with outrigger fully down

Undercarriage with dozer only



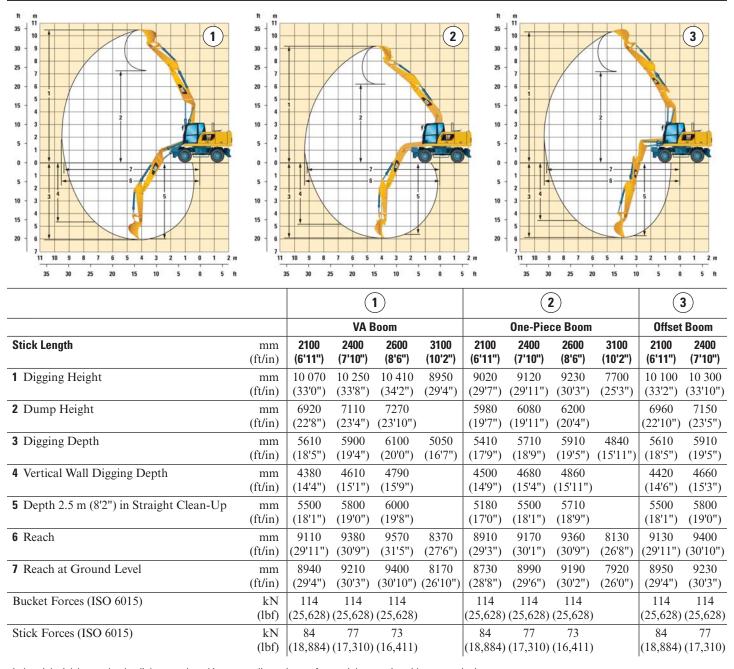
Undercarriage with 2 sets of outriggers



Undercarriage with 1 set of outriggers and dozer



Working Ranges



 $Industrial\ stick\ has\ no\ bucket\ linkage\ and\ working\ range\ dimensions\ refer\ to\ stick\ nose\ pin,\ with\ pneumatic\ tires.$

Range values are calculated with GD Bucket, 1100 mm (43 in), 0.80 m³ (1.03 yd³) with tips K080 and CW-20-H.4.N quick coupler with a tip radius of 1574 mm (5'2").

Breakout force values are calculated with heavy lift on (no quick coupler) and a cutting edge radius of 1237 mm (4'0").

Bucket Specifications and Compatibility

Contact your Cat dealer for special bucket requirements.

								Va	riab	le /	Adj	usta	able	е В	001	m				One	e-Pi	ece	В	oon	1				Off	set	Во	om	
Stick Length							1	100 (6'1	mm 1")	2		0 mr 10")			(8'6		n 2	2100 (6') m 11")	- 1		00 m ''10'		2	(8)	mm 6")	1	210 (6	0 m '11"	- 1		100 (7'1	mm 0")
	W.i.d+h		*	vveignt		Capacity (150)	Free on wheels	Front dozer lowered	Front dozer and rear outriggers	Free on wheels	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Free on wheels	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Free on wheels	Front dozer and rear outriggers	Fully etabilized	Free on wheels	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Free on wheels	Front dozer lowered	Front dozer and rear outriggers
Pin-on Buckets	mm	in	kg	lb	m³	yd³									V	√ith	3.2	mt	(7,0	55	lb) C	our	nte	rwe	eigh	t							
	750	30	464	1,022	0.49	0.64																											
	1100	43	583	1,285	0.79	1.03								_	_																_	_	
General Duty (GD)	1200	48	651	1,435	0.91	1.19	L	\sqcup			\perp			4							1				Щ			\perp			4	_	
	1300	51	663	1,462	1.00	1.31	L	\vdash	\perp		+			\dashv	4			F			+				\vdash			+			\dashv	4	
Heavy Duty (HD)	1400 1300	55 51	712 699	1,570 1,541	1.09	1.43	-	Н	+	-	\perp			\dashv	-			+			+		+		\vdash			+			\dashv	\dashv	
neavy Duty (ND)	mm	in	kg	1,341 lb	m ³	yd ³		Ш		_	_			_	۱۸	/ith	3.7	mt	/R 1	60 l	lh) C	'OUT	nto	rvare	ainh	t					_		
	750	30	464	1,022	0.49	0.64		П	\top	Т	Т		П	П	V \	VILII	3.7	1111	(0,1		10) 0	Jour	T	1 000	rigii		Ŧ	T	т				\top
	1100	43	583	1,285	0.79	1.03		Н	+	۲		\Box	+	_	_	+	+			Н	+	+	+	T		+		T	+				
General Duty (GD)	1200	48	651	1,435	0.91	1.19			+						7	\dashv							$^{+}$			\dashv						٦	
,	1300	51	663	1,462	1.00	1.31	T		\top						T	\top							t			\top		\top				7	
	1400	55	712	1,570	1.09	1.43		П	\top	Т	T			T	1							Т	T	Т	П	\top		\top			T	7	
Heavy Duty (HD)	1300	51	699	1,541	1.00	1.31																	Т										
Pin Grabber Coupler	mm	in	kg	lb	m ³	yd³									V	√ith	3.2	mt	(7,0	55	lb) C	our	nte	rwe	eigh	t							
	750	30	464	1,022	0.49	0.64			\perp							4							L			_							
	1100	43	583	1,285	0.79	1.03			4		_			\perp		_		L			_		╀					_			\perp	_	
General Duty (GD)	1200	48	651	1,435	0.91	1.19	L		_		\perp			\dashv	4			╀			\perp		1		\perp			\perp		Н	\dashv	4	4
	1300 1400	51 55	663 712	1,462	1.00	1.31	L				+			\dashv	_			+			\perp				\vdash			+			\dashv	_	
Heavy Duty (HD)	1300	51	699	1,570 1,541	1.09	1.43	\vdash				+			\dashv	-	-		+			-				\vdash			+			\dashv	_	
Tleavy Duty (TID)	mm	in	kg	1,541 lb	m ³	yd ³				_	_			_	۱۸	/ith	3.7	mt	/R 1	6N I	lh) C	'OUT	nto	rvare	ainh	t			_		_		
	750	30	464	1,022	0.49	0.64									V	- 101	. 0.7		,0,1			Jul	1.0		rigil			T					T
	1100	43	583	1,285	0.79	1.03									٦	1																7	
General Duty (GD)	1200	48	651	1,435	0.91	1.19	\vdash	П			\dagger			\dashv	7			Г			+				\vdash			\dagger			\dashv		
	1300	51	663	1,462	1.00	1.31	T	П			T			\dashv	T			\dagger			\top				П			\dagger			\dashv	7	
	1400	55	712	1,570	1.09	1.43					I							I			I												
Heavy Duty (HD)	1300	51	699	1,541	1.00	1.31								\Box																	\Box		
The above loads are in compliar 87% of hydraulic lifting capacity ground line with bucket curled.												ed					Ma Ma							,									
Capacity based on ISO 7451.																	Ma	vim	IJт	ma	iteri	키 시	۵n	city	150	ነበ ৮	n/m	ו 13 / מ	5በበ	llh/	\/\d3	A	
Bucket weight with Long tips.																					iteri			•							•		
																	Not							1	_,	;	٠. س	,-	,	-,	, -	•	

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Bucket Specifications and Compatibility

Contact your Cat dealer for special bucket requirements.

								Va	riab	le <i>F</i>	Adju	ısta	ble	Boo	om			(ne	-Pie	се	Boo	om				01	fse	t Bo	on	n
Stick Length							ı	100 (6'1		- 1	400 (7'1	mm 10")	1 2		0 mı '6")	m :) mr 11")	n	240 (7'	0 m 10")	- 1		00 m 8'6")			00 r 6'11		1		0 mm 10")
	W/id+		**	vveignt"	0000	Capacity (ISU)	Free on wheels	Front dozer lowered	Front dozer and rear outriggers Fully stabilized	Free on wheels	Front dozer lowered	Front dozer and rear outriggers	Frae on wheels	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized	Free on wheels	Front dozer lowered Front dozer and rear outriggers	Fully stabilized	Free on wheels	Front dozer lowered	Fully stabilized	Free on wheels	Front dozer lowered	Front dozer and rear outriggers Fully stabilized
CW30/CW30s Buckets	mm	in	kg	lb	m³	yd³								١	Witl	h 3.2	mt	(7,0	55 II	b) Co	oun	terv	veiç	ght							
Ditch Cleaning (DC)	1800	72	646	1,424	1.14	1.49								1			1			_			_								
	2100	82	738	1,628	1.45 0.35	1.90																									
ł	600 750	24 30	431 464	949	0.35	0.46				+															-			+			
•	900	36	524	1,155	0.49	0.04			+	H		\vdash	H					Н			H	Н			+	Н		+			
General Duty (GD)	1100	43	583	1,285	0.79	1.03			+			\vdash						Н							+	Н		+			
Contral Buty (CB)	1200	48	633	1,396	0.91	1.19		Н	+		\vdash	\vdash		╁				Н			۲		+		+	Н	+	+			
	1300	51	663	1,462	1.00	1.31			+									Н		+			+								
	1400	55	693	1,528	1.09	1.43		П			T			†			$^{+}$	\Box		\top	П		\top		Т	Н					
	1200	48	649	1,431	0.91	1.19					T			T			T	П					\top			П					
Heavy Duty (HD)	1300	51	681	1,501	1.00	1.31		П						T			T	П					T			П					
	1400	55	712	1,570	1.09	1.43																				П					
	mm	in	kg	lb	m³	yd³								١	Witl	h 3.7	mt	(8,1	60 II	b) Co	oun	terv	vei	ght							
Ditch Cleaning (DC)	1800	72	646	1,424	1.14	1.49		Ш																	L	Ц					
Diton Glodining (DO)	2100	82	738	1,628	1.45	1.90																									
	600	24	431	949	0.35	0.46		Ш	4	L		Щ	1			Щ	_	Ш	4	4				+	╀			+			
	750	30	464	1,022	0.49	0.64			+		L	\vdash						Ш	4					_	\perp	П		+			
C D-+- (CD)	900	36	524	1,155	0.62	0.81			+	H		\vdash	+					Н				Н			+	Н	-	+			
General Duty (GD)	1100 1200	43 48	583 633	1,285 1,396	0.79	1.03	\vdash				F			+									+		H	$\vdash \vdash$		H		\vdash	
}	1300	51	663	1,462	1.00	1.19	H	H			\vdash			+			F						+	F		Н		H		\vdash	
	1400	55	693	1,528	1.00	1.43	H	H			+			+			+			+	E		+			H				\vdash	
	1200	48	649	1,431	0.91	1.19	H	\forall			+			+						+			+			\vdash				\vdash	
Heavy Duty (HD)	1300	51	681	1,501	1.00	1.31		\forall			\vdash			+						+			+	Ť		\vdash				\vdash	
, , , ,	1400	55	712	1,570	1.09	1.43	Т	П			t			\dagger			\dagger			\dagger			\dagger			Н					
The above loads are in compliance w 87% of hydraulic lifting capacity or 79 ground line with bucket curled. Capacity based on ISO 7451. Bucket weight with Long tips.												ed				Ma Ma	xim xim	um um	ma [·] ma [·]	teria teria teria	ıl de	ensi ensi	ity 1	800 500	kg/	m³ (3,00 2,50	0 lb	/yd /yd	3)	

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Not recommended

M316F Work Tool Offering Guide

When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

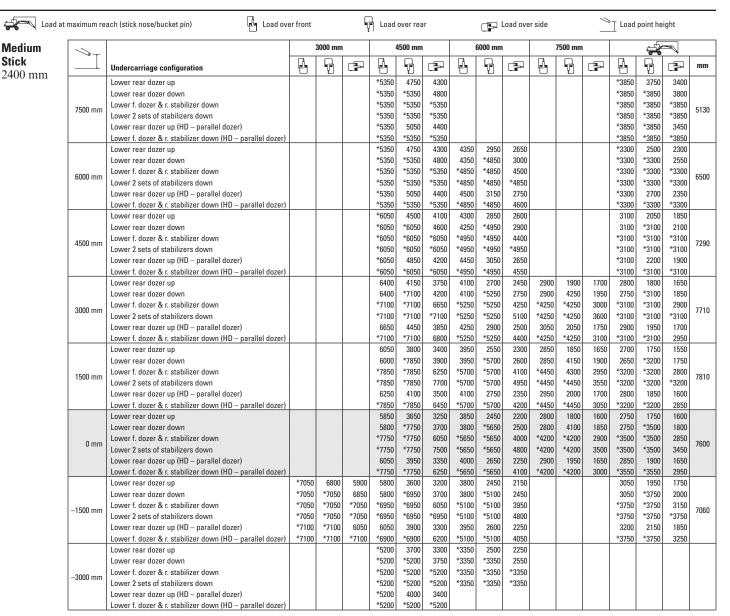
Boom Type – One-Piece Boom						22	m+ /7	7 NEE	Ih\									27	m+ /0	2 160	IP/				
Undercarriage	Counterweight		1.	1)		3.2	mt (7		ID)	ı —		3)			(1	11		3./	mt (8		ID)	ı —	1.	3)	
Undercarriage		_	—	1)	_		$\overline{}$				T .	3)			— i	Ė	_		т —	<u> </u>	_	_		1	
		2100 mm (6'11")	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")	"11.9) mι	"01 '7) mr	("9,8) mı	"10'2"	"H (6'11"	"01 '7) mr	("9,8) mr	"10'2"	"H (6'11"	"01 '7) mr	("9,8) mı	"10'2"	"H (6'11"	"01 '7' mr	("9,8) mı	"1012" mι	"11.9) mı	"01 '7' mr	("9,8) mr	"2,01) mr
		00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00 n	00
	Stick Length	21	24	26	31	21	24	26	31	21	24	26	31	21	24	26	31	21	24	26	31	21	24	26	3
Work Tools																									
	H110Es																								L
Hydraulic Hammer	H115Es																								
	H120Es																								
	MP318 CC Jaw																								
	MP318 D Jaw																								
Multi-Processor	MP318 P Jaw																								
	MP318 U Jaw																								
	MP318 S Jaw																								
Crusher	P315																								
Pulverizer	P215																								
	G310B-D/R																								
Danielikian and	G310B-D/R fixed CAN																								
Demolition and	G313 GC																								
Sorting Grapple	G313 GC fixed CAN																								
(D-Demolition shells,	G315 GC																								
R-Recycling shells,	G315 GC fixed CAN																								
WH-Waste Handling shells)	G315B-D/R																								
3	G315B-D/R fixed CAN																								
	G315B-WH																								
Scrap and Demolition Shear	S320B																								
	S325B																								
Compactor Plate	CVP75																								
Boom Type – Variable Adjusta	ble Boom																								
Work Tools																									
	H110Es																								
Hydraulic Hammer	H115Es																								
	H120Es																								
	G310B-D/R																								
Danielikian and	G310B-D/R fixed CAN																								
Demolition and	G313 GC																								
Sorting Grapple	G313 GC fixed CAN																								
(D-Demolition shells,	G315 GC																								
R-Recycling shells,	G315 GC fixed CAN																								
WH-Waste Handling shells)	G315B-D/R																								
3	G315B-D/R fixed CAN																								
	G315B-WH																								
Scrap and Demolition Shear	S320B																								
·	S325B																								
Compactor Plate	CVP75																								
(1) Dozer lowered		Work Tool is a match													Boom	ı Mo	unt								
(2) 2 sets outriggers lowered		Pin-on or dedicated coupler																only	with	dedi	ater	d cou	ınler		
(3) Dozer and outrigger lowere	h							- u u	Japic									-					. P. O.		
(o) Dozer and outrigger lowere	, u					•	+ 0 - 1	.,											vVILIÍ	OL U	Jupit	-1			
				UVE	er the	ol is a match																			

Offerings not available in all areas. Matches are dependent on Wheeled Excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

Note: Demolition and Sorting Grapple: fixed CAN – fixed hinge plates for CW quick coupler usage.

Lift Capacities – Variable Adjustable Boom

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (3700 kg), heavy lift on.



^{*}Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information

Lift Capacities – Variable Adjustable Boom

All values are in lb, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (8,160 lb), heavy lift on.

Load at maximum reach (stick nose/bucket pin) Load over front Load over rear T Load point height Load over side 15.0 ft Medium 10.0 ft 25.0 ft Stick ft Undercarriage configuration 7'10" 11,300 10,100 9,200 *8.700 8,600 Lower rear dozer down *11,300 *11,300 10,300 *8,700 *8,700 *8,700 Lower f. dozer & r. stabilizer down *11.300 | *11.300 *11.300 *8.700 *8.700 *8.700 25.0 ft 16.37 Lower 2 sets of stabilizers down *11.300 l *11.300 11,300 *8.700 *8,700 *8.700 9,400 Lower rear dozer up (HD - parallel dozer) *11.400 10,800 *8.600 *8.600 8.000 Lower f. dozer & r. stabilizer down (HD - parallel dozer) 11,400 *11,400 11,400 *8,600 *8,600 °8,600 Lower rear dozer up *11.700 10.200 9,300 9.300 6.300 5.700 *7.300 5.700 5.100 11,700 *11,700 10,300 9,300 £10,200 *7,300 *7,300 5.800 Lower rear dozer down 6,400 *11,700 | *11,700 *7,300 *7,300 Lower f. dozer & r. stabilizer down 10.200 11.700 £10,200 9,600 *7.300 21.10 Lower 2 sets of stabilizers down *11.700 | *11.700 11.700 10.200 £10.200 10.200 *7.300 *7.300 *7.300 Lower rear dozer up (HD - parallel dozer) *11,700 10,900 9,500 9,700 6,700 5,900 *7,300 6,000 5,300 Lower f. dozer & r. stabilizer down (HD - parallel dozer) *11,700 | *11,700 11,700 10,300 *10,300 9,900 *7,300 *7,300 *7,300 13,000 9,800 9,200 6,200 5,600 *6,800 4,500 Lower rear dozer down 13.000 13,000 9.900 9.200 10.800 6.300 6.800 *6.800 4.600 *13.000 | *13.000 10.800 *6.800 *6.800 Lower f. dozer & r. stabilizer down 13,000 °10.800 9.500 *6.800 15 0 ft 23 85 Lower 2 sets of stabilizers down *13.000 l *13.000 13,000 10.800 °10.800 10,800 *6.800 *6.800 *6.800 Lower rear dozer up (HD - parallel dozer) *13 100 l 10,400 9.000 9 500 6 600 5.700 *6.800 4 800 4.200 Lower f. dozer & r. stabilizer down (HD – parallel dozer) 13,100 ⁴13,100 13,100 10,800 10,800 9,800 *6,800 *6,800 *6,800 Lower rear dozer up 9,000 8,100 8,900 5,900 5,300 6,300 4,100 3,700 6,100 4,000 3,600 Lower rear dozer down 13.800 ⁴15,300 9.100 8,800 11.400 6,000 6,200 *8.300 4.200 6,100 *6,800 4.100 Lower f. dozer & r. stabilizer down 15,300 *15,300 11,400 *11,400 *8,300 *6,800 6,400 14,300 9,200 *8,300 6,500 *6,800 10 0 ft 25.26 Lower 2 sets of stabilizers down 15 300 | *15 300 15 300 11 400 l *11 400 11 000 *8 300 *8 300 7 700 *6 800 *6 800 *6 800 Lower rear dozer up (HD - parallel dozer) 14 300 9 600 8 300 9 200 6.300 5.400 6 500 4 400 3 800 6,400 4 300 3 700 Lower f. dozer & r. stabilizer down (HD - parallel dozer) 15,300 *15,300 14,700 11,400 *11,400 9,400 *8,300 *8,300 6,700 *6.800 *6.800 6.500 Lower rear dozer up 13,000 8,200 7,400 8,500 5,500 5,000 6,100 4,000 3,600 5,900 3,800 3,400 Lower rear dozer down 13,000 ⁴16,900 8.400 8,500 ⁴12,300 9,000 5,900 *7,100 3,900 5,600 6,100 4,100 Lower f. dozer & r. stabilizer down 12,300 16,900 *16,900 13,500 £12,300 8,800 9,200 6,400 *7,100 6,100 *9,600 *7,100 5.0 ft 25.62 Lower 2 sets of stabilizers down 9.600 *7.100 16.900 *16.900 16.500 12.300 £12.300 10.600 *9.600 7.600 *7.100 *7.100 Lower rear dozer up (HD - parallel dozer) 13.500 8.900 7.600 8.800 5.900 5.100 6.400 4.300 3.700 6.200 4,100 3.500 Lower f. dozer & r. stabilizer down (HD - parallel dozer) 16,900 £16,900 13,900 12,300 12,300 9,100 *9,600 *9,600 6,500 *7,100 *7,100 6,300 Lower rear dozer up 12,600 7,900 7,000 8,300 5,300 4,800 3,900 3,500 12.500 *16.900 8.000 8.200 £12.300 5.400 6.000 *7.800 4.000 Lower f. dozer & r. stabilizer down 16,900 *16,900 12.300 *7,800 *7,800 6.300 13,100 *12,300 8,600 24.93 12.300 *7.800 7.600 Lower 2 sets of stabilizers down 16.900 *16.900 16.100 £12.300 10.400 *7.800 Lower rear dozer up (HD - parallel dozer) 13.100 8.500 7.200 8.600 5.700 4.900 6.300 4.200 3.600 Lower f. dozer & r. stabilizer down (HD – parallel dozer) 16,800 *16,800 13,400 12,300 *12,300 8,800 *7,800 *7,800 6,500 3,900 16,200 14,600 6,800 Lower rear dozer up 12,700 12,500 7,800 6,900 8,200 5,200 4,700 4,300 Lower rear dozer down 16.200 *16.200 15.000 7,900 *11.000 5.300 6.700 *8.300 Lower f. dozer & r. stabilizer down 16,200 *16,200 16,200 *15,000 13,000 11,000 *11,000 8,500 *8,300 *8,300 7,000 15,000 23 13 -50 ftLower 2 sets of stabilizers down *16.200 11.000 *11.000 *8.300 *8.300 16.200 16,200 15.000 *15,000 15,000 10,300 *8.300 Lower rear dozer up (HD - parallel dozer) 16.300 15.900 13,000 13.000 8,400 7.100 8.500 5.700 4.800 7.000 4.700 4.000 Lower f. dozer & r. stabilizer down (HD – parallel dozer) *16,300 *16,300 £16,300 15,000 15,000 13,300 10,900 ⁴10,900 8,800 *8,300 *8,300 Lower rear dozer up *11,200 8,000 7,100 11,200 11,200 8,100

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

*11,200

*11.100 8.600

*11,200 | *11,200

*11,100 | *11,100 | *11,100

*11.200

7.300

*11.200 | *11.200 |

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Lower f. dozer & r. stabilizer down

Lower f. dozer & r. stabilizer down (HD - parallel dozer)

Lower 2 sets of stabilizers down

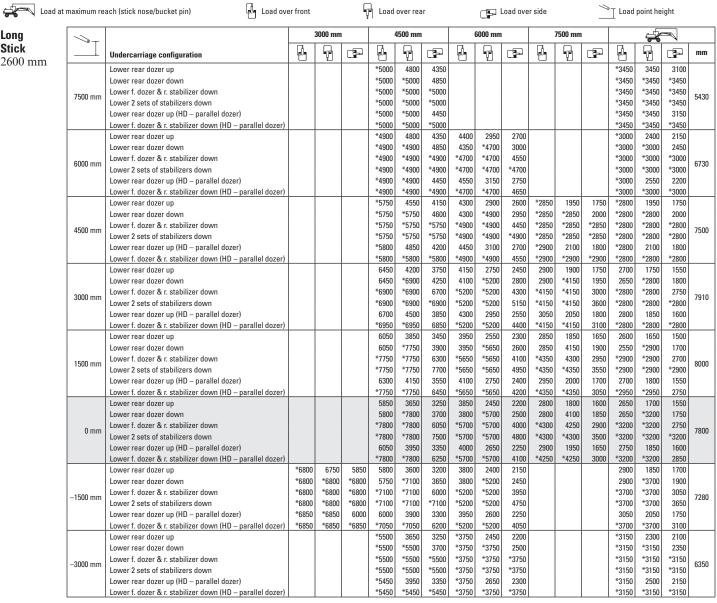
Lower rear dozer up (HD – parallel dozer)

^{*}Limited by hydraulic rather than tipping load.

Lift Capacities – Variable Adjustable Boom

Long Stick

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (3700 kg), heavy lift on.



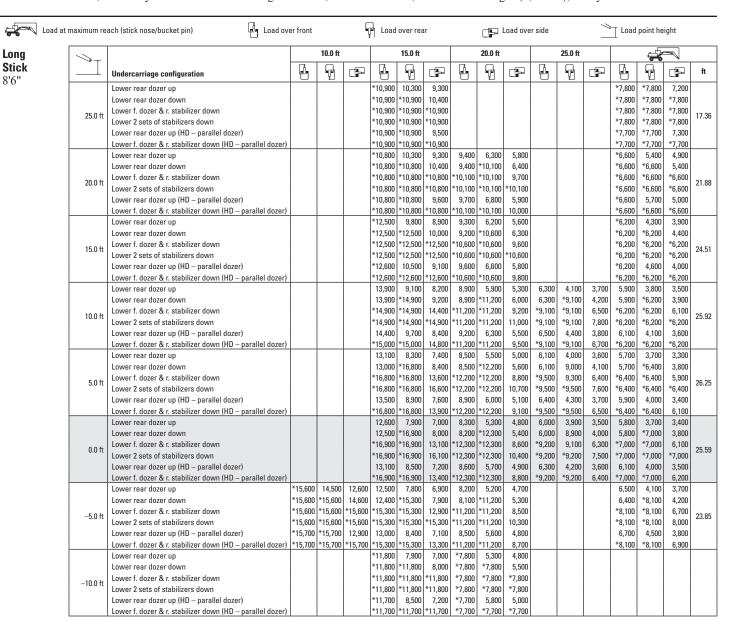
^{*}Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance

Always refer to the appropriate Operation and Maintenance Manual for specific product information

Lift Capacities – Variable Adjustable Boom

All values are in lb, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (8,160 lb), heavy lift on.



^{*}Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface and the Variable Boom Cylinder adjusted to the maximum length. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information

Lift Capacities – One-Piece Boom

All values are in kg, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (3700 kg), heavy lift on.

Load at maximi	um reach (s	tick nose/bucket pin) Load ove	r front		Ą	Load	over rea	r			oad ove	r side		_	Load	point he	ight		
			3	3000 mm		4	1500 mm		(6000 mm			7500 mm						
mm =	Unde	ercarriage configuration	4		æ	4		ŒP	4		ŒP	4	P	ŒP	4	P	æ	mm	
		er rear dozer up													*3400	*3400	*3400	1	
		er rear dozer down													*3400	*3400	*3400	1	
7500	l mm I	er f. dozer & r. stabilizer down													*3400	*3400	*3400	1 510	
		er 2 sets of stabilizers down													*3400	*3400	*3400		
		er rear dozer up (HD – parallel dozer)													*3400	*3400	*3400	1	
-		er f. dozer & r. stabilizer down (HD – parallel dozer) er rear dozer up							*4350	2950	2700				*3400 *2950	*3400 2600	*3400 2350	_	
		er rear dozer up er rear dozer down							4350	*4350	3000				*2950	*2950	2600	1	
		er f. dozer & r. stabilizer down							*4350	*4350	*4350				*2950	*2950	*2950		
6000	l mm l	er 2 sets of stabilizers down							*4350	*4350	*4350				*2950	*2950	*2950	l 64	
		er rear dozer up (HD – parallel dozer)	l						*4350	3150	2750				*2950	2750	2400	1	
		er f. dozer & r. stabilizer down (HD – parallel dozer)							*4350	*4350	*4350				*2950	*2950	*2950	1	
		er rear dozer up							4300	2900	2650				*2800	2100	1900	-	
		er rear dozer down							4300	*4750	2950				*2800	*2800	2150	1	
	Lowe	er f. dozer & r. stabilizer down	İ						*4750	*4750	4450				*2800	*2800	*2800	ı	
4500	l mm I	er 2 sets of stabilizers down							*4750	*4750	*4750				*2800	*2800	*2800		
	Lowe	er rear dozer up (HD – parallel dozer)							4450	3100	2700				*2800	2250	1950	1	
		er f. dozer & r. stabilizer down (HD – parallel dozer)	İ						*4750	*4750	4550				*2800	*2800	*2800	ı	
		er rear dozer up	İ			6500	4250	3850	4150	2750	2500	2950	1950	1750	*2800	1850	1700		
	Lowe	er rear dozer down				6450	*6650	4300	4150	*5200	2800	2900	*3900	2000	2800	*2800	1900		
3000	Lowe	er f. dozer & r. stabilizer down				*6650	*6650	*6650	*5200	*5200	4300	*3900	*3900	3050	*2800	*2800	*2800	76	
3000	Lowe	er 2 sets of stabilizers down				*6650	*6650	*6650	*5200	*5200	5150	*3900	*3900	3600	*2800	*2800	*2800	⁷⁶	
	Lowe	er rear dozer up (HD – parallel dozer)				*6700	4550	3950	4300	2950	2600	3050	2100	1800	*2800	2000	1750		
	Lowe	er f. dozer & r. stabilizer down (HD – parallel dozer)				*6700	*6700	*6700	*5200	*5200	4400	*3900	*3900	3100	*2800	*2800	*2800		
	Lowe	er rear dozer up				6150	3950	3550	4000	2650	2400	2900	1900	1700	2700	1800	1600		
	Lowe	er rear dozer down				6100	*7700	4000	4000	*5650	2700	2850	4150	1950	2700	*2950	1800		
1500	l mm	er f. dozer & r. stabilizer down				*7700	*7700	6350	*5650	*5650	4150	*4550	4300	3000	*2950	*2950	2800	1 //	
	Lowe	er 2 sets of stabilizers down				*7700	*7700	*7700	*5650	*5650	4950	*4550	4450	3550	*2950	*2950	*2950	1	
		er rear dozer up (HD – parallel dozer)				6350	4250	3650	4150	2800	2450	3000	2050	1750	2850	1900	1650		
		er f. dozer & r. stabilizer down (HD – parallel dozer)				*7700	*7700	6500	*5650	*5650	4250	*4550	*4550	3050	*2950	*2950	2900		
		er rear dozer up	*4400	*4400	*4400	5900	3750	3350	3900	2500	2300	2850	1850	1650	2800	1800	1650	1	
		er rear dozer down	*4400	*4400	*4400	5900	*8000	3800	3850	5800	2550	2800	*4050	1900	2800	*3300	1850		
0	l mm l	er f. dozer & r. stabilizer down	*4400	*4400	*4400	*8000	*8000	6150	*5800	*5800	4000	*4050	*4050	2950	*3300	*3300	2900	75	
		er 2 sets of stabilizers down	*4400	*4400	*4400	*8000	*8000	7550	*5800	*5800	4850	*4050	*4050	3500	*3300	*3300	*3300		
		er rear dozer up (HD – parallel dozer)	*4450	*4450	*4450	6150	4050 *8000	3450	4050 *F000	2700 *5800	2350	2950 *4000	2000 *4000	1700 3000	2900 *3300	1950 *3300	1700	1	
		er f. dozer & r. stabilizer down (HD – parallel dozer) er rear dozer up	*4450 *8150	*4450 6900	*4450 6000	*8000 5850	3700	6300 3300	*5800 3850	2500	4150 2250	"4000	4000	3000	3100	2000	3000 1800	-	
		er rear dozer dp	*8150	*8150	6950	5850	*7500	3750	3800	*5450	2550				3050	*3950	2050		
	Lower	er f. dozer down	*8150	*8150	*8150	*7500	*7500	6100	*5450	*5450	4000				*3950	*3950	3200	ı	
-1500	l mm	er 2 sets of stabilizers down	*8150	*8150	*8150	*7500	*7500	7500	*5450	*5450	4800				*3950	*3950	3850	1 /11	
		er rear dozer up (HD – parallel dozer)	*8200	7500	6200	6100	4000	3400	4000	2650	2300				3200	2150	1900	1	
		er f. dozer & r. stabilizer down (HD – parallel dozer)	*8200	*8200	*8200	*7500	*7500	6250	*5450	*5450	4100				*3950	*3950	3300	1	
		er rear dozer up	*8350	7050	6150	5900	3750	3350	3900	2550	2300				3850	2500	2250	_	
		er rear dozer dp	*8350	*8350	7100	5900	*6100	3800	3900	*4050	2600				3850	*3900	2550	1	
	Lowe	er f. dozer & r. stabilizer down	*8350	*8350	*8350	*6100	*6100	*6100	*4050	*4050	*4050				*3900	*3900	*3900	ıl	
-3000	ımm i	er 2 sets of stabilizers down	*8350	*8350	*8350	*6100	*6100	*6100	*4050	*4050	*4050				*3900	*3900	*3900	1 60	
		er rear dozer up (HD – parallel dozer)	*8300	7650	6300	*6050	4050	3450	*4000	2750	2350				*3900	2700	2350	1	
	1	er f. dozer & r. stabilizer down (HD – parallel dozer)	*8300	*8300	*8300	*6050	*6050	*6050	*4000	*4000	*4000				*3900	*3900	*3900	1	

^{*}Limited by hydraulic rather than tipping load.

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Lift Capacities – One-Piece Boom

All values are in lb, bucket cylinder and bucket linkage installed, work tool: none, with counterweight (8,160 lb), heavy lift on.

Load at maximum reach (stick nose/bucket pin) Load over front Load over rear T Load point height Load over side 15.0 ft 25.0 ft Long Stick ft Undercarriage configuration 8'6" *7.600 *7.600 *7,600 Lower rear dozer down *7,600 *7,600 Lower f. dozer & r. stabilizer down *7.600 *7.600 *7.600 25.0 ft 16.27 Lower 2 sets of stabilizers down *7.600 *7.600 *7.600 Lower rear dozer up (HD - parallel dozer) *7.600 *7,600 *7.600 Lower f. dozer & r. stabilizer down (HD - parallel dozer) *7,600 *7,600 *7,600 Lower rear dozer up *8,900 6.300 5.800 *6.500 5.800 5.300 *8.900 *8.900 6.400 *6,500 *6,500 5.900 Lower rear dozer down Lower f. dozer & r. stabilizer down *8.900 *8.900 *6.500 *6.500 °8.900 *6.500 21.03 Lower 2 sets of stabilizers down *8.900 *8.900 *8.900 *6.500 *6.500 *6.500 Lower rear dozer up (HD - parallel dozer) *9,000 6,800 5,900 *6,500 6,100 5.400 Lower f. dozer & r. stabilizer down (HD - parallel dozer) *9,000 *9,000 *9,000 *6,500 *6,500 *6,500 9,200 6,200 5,700 *6,200 4,600 4,200 Lower rear dozer down 9,200 10,400 6.400 *6,200 *6,200 4.700 10.400 *6.200 *6.200 Lower f. dozer & r. stabilizer down £10,400 9,500 *6.200 15 0 ft 23 75 Lower 2 sets of stabilizers down 10,400 £10,400 10,400 *6.200 *6.200 *6.200 Lower rear dozer up (HD - parallel dozer) 9 600 6 700 5.800 *6.200 5.000 4 300 Lower f. dozer & r. stabilizer down (HD – parallel dozer) 10,400 10,400 9,800 *6,200 *6,200 *6,200 Lower rear dozer up 14,000 9,200 8,900 6,000 5,400 6,300 4,200 *6,200 4,100 3,700 Lower rear dozer down 13.900 *14.400 9.300 8,900 11,300 6,100 6,300 *7,100 4.300 6,200 *6,200 4.200 Lower f. dozer & r. stabilizer down 14,400 *14,400 11,300 *11,300 *7,100 *6,200 *6,200 14,400 9,200 *7,100 6,500 *6,200 10 0 ft 25.20 *14 400 Lower 2 sets of stabilizers down *14 400 14 400 11 300 *11 300 11 000 *7 100 *7 100 *7 100 *6 200 *6 200 *6 200 Lower rear dozer up (HD - parallel dozer) 14 400 9 800 8 500 9 300 6,400 5,600 6,600 4 500 3 900 *6.200 4 400 3 800 Lower f. dozer & r. stabilizer down (HD - parallel dozer) 14,400 *14,400 14,400 11,300 *11,300 9,500 *7,200 *7,200 6,700 *6,200 *6,200 *6.200 Lower rear dozer up 13,200 8,500 7,600 8,600 5,700 5,100 6,200 4,100 3,700 6,000 3,900 3,600 Lower rear dozer down 13,200 *16,700 8,600 8,600 12,300 9,000 6,000 *6,500 4,000 5,800 6,200 4,200 Lower f. dozer & r. stabilizer down 16,700 *16,700 13,700 12,300 £12,300 8,900 *9,100 6,400 *6,500 *6,500 6,200 *9,100 5.0 ft 25.56 Lower 2 sets of stabilizers down *9.100 16.700 *16.700 16.700 12.300 £12.300 10.700 *9.100 7.700 *6.500 *6.500 *6.500 Lower rear dozer up (HD - parallel dozer) 13.700 9.100 7.800 8.900 6.100 5.300 6.400 4.400 3.800 6.200 4.200 3.700 Lower f. dozer & r. stabilizer down (HD - parallel dozer) 16,700 £16,700 14,000 12.300 12,300 9,200 *9,100 *9,100 6,600 *6,500 *6,500 6,400 *10,100 | *10,100 | *10,100 Lower rear dozer up 12,700 8,100 7,300 8,400 5,400 4,900 4,000 3,600 10,100 *10,100 12,700 *17.400 8.300 12.500 5.500 6.100 *7.300 4.100 10,100 *10,100 Lower f. dozer & r. stabilizer down 17,400 *17,400 12.600 £12,600 *7,300 *7,300 13,200 8,700 6,400 24.87 10.100 *10.100 12.600 Lower 2 sets of stabilizers down £10.100 17.400 *17.400 16.200 £12.600 10.400 *7.300 *7.300 *7.300 10.200 *10.200 Lower rear dozer up (HD - parallel dozer) 10.200 13.200 8.700 7.500 8.700 5.900 5.100 6.400 4.300 3.700 *7,300 Lower f. dozer & r. stabilizer down (HD – parallel dozer) *10,200 | *10,200 *10,200 *17,400 | *17,400 13,600 12,600 *12,600 8,900 *7,300 6,600 14,800 6,800 Lower rear dozer up 18,600 12,900 12,600 8,000 7,100 8,300 5,400 4,800 4,400 4,000 Lower rear dozer down 18,600 *18,600 16.300 8.200 *11.800 5.500 6.800 *8.700 4.500 Lower f. dozer & r. stabilizer down 18,600 *18,600 18,600 16,300 *16,300 13,100 11,800 £11,800 8,600 *8,700 7,100 *8,700 23.06 -5.0 ft*18.600 | *18.600 *11.800 *8.700 *8.700 Lower 2 sets of stabilizers down 18,600 16.300 *16,300 16,100 11.800 10,300 8.500 Lower rear dozer up (HD - parallel dozer) *18.700 16,100 13,300 13,100 8.600 7,300 8.600 5.800 5.000 7,100 4.800 4.200 Lower f. dozer & r. stabilizer down (HD – parallel dozer) *18,700 *18,700 18,700 16,300 16,300 13,500 11,800 £11,800 8,800 *8,700 *8,700 7,300 Lower rear dozer up 18,000 15,100 13,200 12,700 7,200 *8,500 5,600 5,000 18,000 *18,000 15,300 12,700 13,100 8,200 8,500 *8,500 5,700 18,000 | *18,000 Lower f. dozer & r. stabilizer down 18,000 13.100 *13.100 13,100 *8.500 *8,500 *8.500 19.78 18.000 *18.000 *18.000 | *****13.100 | *****13.100 | *8.500 *8.500 Lower 2 sets of stabilizers down *13,100 *8,500 Lower rear dozer up (HD - parallel dozer) *17.900 16.400 13,600 *13.000 8,700 7.500 *8,500 6.000 5.200

Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on a firm uniform supporting surface. For lifting capacity including bucket and/or quick coupler, the respective weight has to be subtracted from above values. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

*17,900 | *17,900 | *17,900 | *13,000 | *13,000

Always refer to the appropriate Operation and Maintenance Manual for specific product information

Lower f. dozer & r. stabilizer down (HD - parallel dozer)

*8,500 | *8,500

^{*}Limited by hydraulic rather than tipping load.

M316F Standard Equipment

Standard Equipment

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

ELECTRICAL

- · Alternator, 100 A
- Lighting
 - LED light package, including all working lights (compatible with falling object guard)
 - -Boom LED working light
 - -Cab interior LED Light
 - -Roading lights two front, halogen
 - Roading lights two LED modules rear
 - -LED working lights, cab mounted (two front, one rear, and one counterweight for the rear camera)
- Main shut-off switch
- Maintenance free batteries, heavy duty
- · Signal/warning horn
- Electrical refueling pump
- Signal/warning horn

ENGINE

- Cat C4.4 engine with ACERT Technology meets Tier 4 Final emission standards
- Aftertreatment technologies including the Cat Clean Emission Module package (CEM)
- Automatic Engine Speed Control (AESC), including one touch low idle
- Engine Idle Shutdown (EIS)
- · Power mode selector
- Altitude 3000 m (9,842 ft)
- Automatic starting aid
- Fuel/water separator with water in fuel switch
- Electric fuel priming pump

HYDRAULICS

- Adjustable hydraulic sensitivity
- All Cat XTTM-6 ES hoses
- Anti-drift valves for bucket, and tool control/multi-function circuits
- · Basic control circuits:
- Medium pressure
 - Two-way, medium pressure circuit, for rotating or tilting of work tools
- Tool control/multi function
 - One/two-way high pressure for hammer application or opening and closing of a work tool
- Programmable flow and pressure for up to 10 work tools selection via monitor
- Quick coupler circuit and lines for hydraulic quick coupler (pin grabber and CW types)

- Boom Lowering Check Valve (BLCV), including overload warning device
- · Heavy lift mode
- · Load-sensing hydraulic system
- Separate swing pump
- Stick Lowering Check Device (SLCV)
- · Stick regeneration circuit

OPERATOR STATION

- Reinforced (ROPS) cab structure compliant with 2006/42/EC and tested according to ISO 12117-2:2008
- · Adjustable armrests
- Air conditioner, heater and defroster with automatic climate control
- Cigarette lighter (24 volt)
- Beverage cup/can holder
- Bolt-on Falling Object Guards (FOGS) capability
- Bottle holder
- Bottom mounted intermittent (four speeds) wiping system that covers the upper and lower windshield glass
- Cameras
 - Rear mounted wide angle camera (integrated into the counterweight) display through the cab monitor
- Right side wide angle camera, mounted on the cooling hood, displayed on a dedicated large color monitor
- · Coat hook
- Cruise Control System
- · Fastened seat belt warning signal
- Floor mat, washable, with storage compartment
- FM Radio with CD player, speakers and USB port
- Fully adjustable suspension seat
- Instrument panel, full graphic and color display
 - Information and warning messages in local language
 - Gauges for fuel level, engine coolant,
 Diesel Exhaust Fluid (DEF)
 and hydraulic oil temperature
 - Filters/fluids change intervals
 - Indicators for headlights, turning signal, low fuel, engine dial setting
 - -Clock with 10-day backup battery
- Interior LED lighting with door switch
- · Joystick pilot operated

- · Laminated upper front windshield
- Left side console, tiltable, with lock out for all controls
- Literature holder in right hand side panel
- Mobile phone holder
- Parking brake
- Pin-code, engine start prevention
- Power supply, 12V-10A
- · Rain protector
- Rear window, emergency, tempered glass, with hammer
- Retractable seat belt, integrated into the seat
- Safety lever, integrated into the left console
- Skylight, laminated glass
- Sealed cab with positive filtered ventilation
- · Sliding door windows
- Steering column, adjustable height and angle
- Storage area suitable for a lunch box
- Sunshade for windshield and skylight

UNDERCARRIAGE

- · All wheel drive
- Automatic axle/brake lock
- Creeper speed
- Electronic swing and travel lock
- Heavy-duty axles, advanced disc brake system and travel motor, adjustable braking force
- Oscillating front axle, lockable, with remote greasing point
- Steps with box in undercarriage (left and right)
- Two-piece drive with extended greasing intervals
- Two speed hydrostatic transmission

OTHER EQUIPMENT

- Auto-lube, centralized greasing (implement and swing gear)
- · Automatic swing brake
- Counterweight, 3200 kg (7,055 lb)
- Engine emergency shutoff switch
- Mirrors, wide angle, frame and cab
- Product Link
- S•O•SSM sampling valves for engine oil, hydraulic oil and coolant

M316F Optional Equipment

Optional Equipment

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

AUXILIARY CONTROLS AND LINES

- Basic control circuits:
 - Second high pressure
 - Additional two-way, high pressure circuit, for tools requiring a second high or medium pressure function
- SmartBoom

HYDRAULICS

 Cat BIO HYDO Advanced HEES biodegradable hydraulic oil

FRONT LINKAGE

- Booms
 - -One-piece boom, 5050 mm (16'7")
 - -VA boom (two piece), 5200 mm (17'1")
 - -Offset boom, 5200 mm (17'1")
- · Sticks
 - -2100 mm (6'11")
 - -2400 mm (7'10'')
 - -2600 mm (8'6'')
 - -3100 mm (10'2") Industrial Stick*

ELECTRICAL

- · Travel alarm
- Rotating beacon on cab

OPERATOR STATION

- · Joystick steering
- Seat, adjustable back, with vertical and horizontal air-suspension and head rest
 - Comfort, automatic weight adjustment, mechanical lumbar support, heated
 - Deluxe seat adds automatic height and weight adjustment, pneumatic lumbar support, premium fabric, heated and cooled
- · Windshield
 - One-piece high impact resistant, laminated, (EN356 P5A standards)
 - -70/30 split, openable
- Mirrors heated, frame and cab
- · High pressure pedal
- Joystick pattern, changeable
- Falling Object Guards (top and front)

UNDERCARRIAGE

- Rear blade only (radial or parallel)
- Front blade (radial or parallel)/ rear outriggers
- Front outriggers/rear blade (radial)
- Front and rear outriggers
- · Spacer rings for tires
- · Travel restraint

OTHER EQUIPMENT

- Cat Machine Security System (MSS)
- Cooling protection package for dusty applications (includes fine mesh for enhanced radiator protection and engine air precleaner)
- Counterweight, 3700 kg (8,160 lb)
- Fenders, front and rear
- Ride Control
- Tires (see pg. 22)
- Attachments (see pg. 25-27)
- *Without autolube

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

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