# **M316F**

# Wheeled Excavator

2017





Engine		
Engine Model	Cat® C4.4 A	CERT™
Emissions	U.S. EPA Tier 4 Final, EU Stage IV	
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
ISO 14396 at 2,000 rpm (gross)	110 kW	148 hp
ISO 14396 at 2,000 rpm (gross), metric		150 hp
Weights		
Operating Weight without Attachment	16 070 kg- 18 050 kg	35,428 lb- 39,793 lb

<b>Bucket Specifications</b>		
Bucket Capacities	0.35 m <sup>3</sup> -	0.46 yd <sup>3</sup> -
	1.09 m <sup>3</sup>	1.43 yd <sup>3</sup>
Working Ranges		
Maximum Reach at Ground Level	9400 mm	30'10"
Maximum Digging Depth	6100 mm	20'0"
Drive		
Maximum Travel Speed	35 knh	22 mnh

### **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.

### Contents

Sustainability	4
Engine	5
Built-in Fuel Savers That Add Up	5
Premium Comfort	6
Simplicity and Functionality	7
The Next Generation	8
Smart Technologies	9
Dig and Go Auto Axle Lock	9
Hydraulics	10
Undercarriage	11
Booms and Sticks	12
SmartBoom™	13
Ride Control	13
Attachments	14
Serviceability	16
Integrated Technologies	17
Safety	18
Unmatched Visibility	20
Complete Customer Care	20
Specifications	21
Standard Equipment	
Ontional Equipment	35





F Series Wheeled Excavators – Easier Than Ever.



### **Fuel Efficiency and Reduced Exhaust Emissions**

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

### **Transparent Technologies and Longer Service Intervals**

- The Eco Mode, Auto Engine Speed Control and Engine Idle Shutdown help further reduce your overall fuel consumption.
- Product Link<sup>TM</sup> 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/Stage IV emission standards, and it does so without interrupting your job process. It is designed to be:

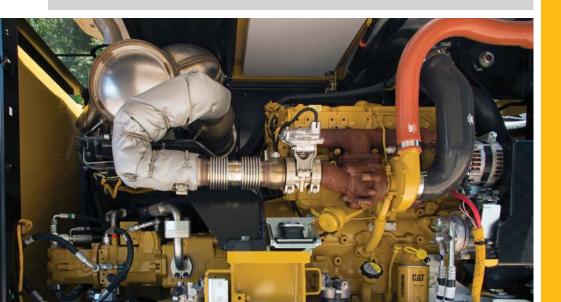
- Transparent: no operator intervention
- Efficient: no work interruption, even in case of extended idling time
- Simple: minimum maintenance. Longitudinal engine installation, which further simplifies maintenance.

#### **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.
- Engine Idle Shutdown: turns the engine off when it's been idling for more than a pre-set amount of time.
- On-Demand Cooling System: variable speed and on-demand fan.
- Enhanced Eco Mode: reduces engine speed while delivering the same power.
- Automatic Shift to Travel Mode when you start riding.
- NEW! Optimized Travel Mode: travel mode rpm levels are set automatically on-demand only to further reduce fuel consumption.

# **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. Several areas provide sufficient room to store a hard hat, a drink, phone, or keys.

### **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 ventilated seats are available.

### **Safety Is Not Optional**

ROPS cab, compatible with FOPS, seat belt alarm, safety bar, sideview camera  $\dots$  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
- NEW! Joystick and left pedal controls assignments: can be set up as desired and per tool
- NEW! Optional advanced joystick offering more controls (two sliders, five buttons each)
- · Automatic air conditioning
- NEW! Optional heated mirrors are now also electrically adjustable from the cab

### **Low Sound Levels, Less Fatigue**

Increased cab pressure, preventing from dust entry, combined with the cab design contributes to reducing sound.

### **Outstanding Visibility: See the Difference!**

- · All glass areas have been drastically increased
- Standard LED working lights and halogen front roading lights
- LED dome light
- Standard rearview AND sideview wide angle cameras
- · Wide angle mirrors for better visibility even down to the ground
- Parallel intermittent (four speeds) wipers covering the whole windshield

### **NEW! Standard LED Lights for BOTH Cameras to See What's Going on Around, Day or Night**

The rear camera is integrated into the counterweight for enhanced protection.

### **NEW! Split-Screen View of BOTH Cameras on the Same Monitor**

The views from both cameras are displayed side by side on the additional wide color monitor for better visibility at first glance.

### **Large Color Machine 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.

### Cruise Control – Focus on the Road, Not on Your Foot

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.

# NEW! Trailer-Ready Package\* – Hitch-Up Your Trailer and Go

How to be more autonomous than ever while increasing your flexibility?

Our trailer-ready package includes all the necessary electrical and hydraulic systems, even for trailers equipped with a tailgate and dumping devices.

Moving your tools, and fuel along with you to each job site or material directly on site has never been easier!

\*Not available for Australia and New Zealand.



# **Smart Technologies**

### Swing and Auto Travel Lock: Press, Go and Relax

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.
- NEW! The swing lock can be applied independently from the implements lock at low speed (below 5 kph/3.1 mph)

### 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 hydraulic valve compartment and routings offer a simple and clean design to help ensure durability.
- 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 second 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, high pressure and hydraulic quick coupler lines and circuits: they all come standard.







# **Undercarriage**

Strength and Versatility at 35 kph (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. The drive shaft offers longer service intervals (1,000 hours).

### **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.

### 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\*.

<sup>\*</sup>Parallel blade not available in Australia and New Zealand.

# **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**

- 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.





<sup>\*</sup>Not available for Australia and New Zealand.

# **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.







### **NEW! Tilt-Rotator-Ready Option**

This option provides a factory-installed on-board platform for a Rototilt® tiltrotator.

Tiltrotators eliminate the need to constantly reposition the machine, by providing a tilting and rotary connection with any attachment.

The wheeled excavator Tilt-Rotator-Ready Package includes all that you need, with lines, circuits, software and advanced joysticks. This is a perfectly integrated interface between the machine and this tool.

Tiltrotator parameters can be set directly from the machine monitor.





## **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 attachments 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.

### **Move and Handle Material**

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 Standard Features**

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 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

Today

To

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

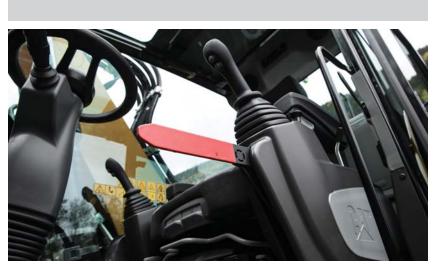
## **Cab Ingress**

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
- Convenient door handrail
- Tiltable console to make sure the way in and out is free of obstacle

### Safe and Quiet Cab

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













#### **Embedded Features**

### Smart embedded devices help enforce safe behavior:

- 1) Laminated windshield and skylight window. One-piece 10 mm (0.4") windshield and skylight fulfilling EN356 P5A standards.
- 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

NEW! Quick coupler control switch, ISO 13031 compliant

### **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
- NEW! Dedicated LED lights for both rear and side cameras





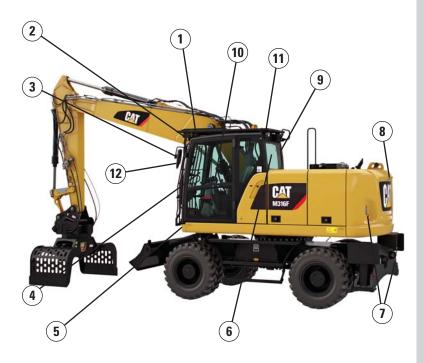


### **Great Views**

- 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
- Standard sideview camera, to check nothing is hidden to you from the front right hand side to the rear of the machine
- NEW! Monitor split-screen to easily check cameras rearview and sideview on the same display
- 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 areas
- 2) Improved lighting with standard LED lights for all working lights
- 3) Optional electrically adjustable and heated mirrors
- 4) Great left hand side visibility with all glass door
- 5) Halogen front roading lights
- 6) Wide rear window
- 7) Red reflectors, on counterweight and rear blade/outriggers
- 8) Standard wide rearview camera with LED light
- 9) Standard wide sideview camera with LED light
- 10) Split-screen display of both cameras on the same monitor
- 11) Large right hand side window
- 12) 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 ACERT (1)	
Ratings	2,000 rpm	
Engine Gross Power (maximum)		
ISO 14396	110 kW	148 hp
ISO 14396 (metric)		150 hp
Net Power (Rated) (2)		
ISO 9249/SAE J1349	105 kW	141 hp
ISO 9249/SAE J1349 (metric)		143 hp
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
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 <sup>3</sup>
Maximum Torque at 1,400 rpm	560 N·m	413 lbf-ft
Number of Cylinders	4	

- (1) Meets Tier 4 Final/Stage IV 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 kph	6.2 mph
2nd Gear	35 kph	22 mph
Creeper Speed		
1st Gear	3 kph	1.9 mph
2nd Gear	12 kph	7.4 mph
Drawbar Pull	102 kN	22,930 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 Mechanism		
Maximum Swing Speed	9 rpm	
Maximum Swing Torque	42 kN·m	31,233 lbf-ft
Undercarriage		
Axle Clearance	360 mm	14.2 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
Maximum Towable Trailer Mass*	8000 kg	17,637 lb
*Not eveilable in Australia and Nov	· Zoolond	

Weights		
Operating Weights*	16 070 kg- 17 040 kg	35,428 lb- 37,567 lb
Weights		
VA Boom		
Rear Dozer, Front Outriggers	16 550 kg	36,486 lb
Front and Rear Outriggers	17,040 kg	37,567 lb
One-Piece Boom		
Front Dozer, Rear Outriggers	16 070 kg	35,428 lb
Front and Rear Outriggers	16 560 kg	36,508 lb
Sticks**		
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

<sup>\*</sup>Operating weight includes medium stick, 3200 kg (7,055 lb) counterweight, full fuel tank, operator, and dual pneumatic tires with radial blade undercarriage. Weight varies depending on configuration.

<sup>\*\*</sup>Includes cylinder, bucket linkage, pins and standard hydraulic lines.

<sup>\*\*\*</sup>Not available in Australia and New Zealand.

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	78 L/min	20.6 gal/min
Tires		
Standard	10.00-20 (Da	ial Pneumatic)

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)

<sup>\*</sup>Not available in Australia and New Zealand.

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"

<sup>\*</sup>Not available in Australia and New Zealand.

<b>Emissions and Safety</b>		
Engine Emissions	Tier 4 Final/S	tage IV
Diesel Exhaust Fluid	Must meet IS	O 22241
Fluids (Optional)		
Biodiesel up to B20	Meets EN 142 ASTM D6751 or ASTM D9 Mineral diese	with EN590 75 Standard
Vibration Levels		
Maximum Hand/Arm		
ISO 5349:2001	<2.5 m/s <sup>2</sup>	<8.2 ft/s <sup>2</sup>
Maximum Whole Body		
ISO/TR 25398:2006	<0.5 m/s <sup>2</sup>	<1.6 ft/s <sup>2</sup>
Seat Transmissibility Factor		
ISO 7096:2000-spectral class EM5	<0.7	

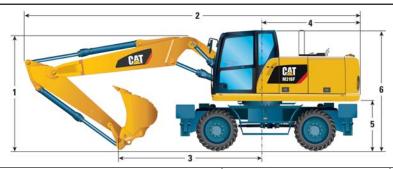
Standards	
ROPS	ROPS (Rollover Protective Structure) offered by Caterpillar meets ROPS criteria ISO 12117-2:2008
Operator Protective Structure: top/front guards	FOPS (Falling Object Protective Structure) meets FOPS criteria ISO 10262:1998 and SAE J1356:2008
Cab/Sound Levels	Meets appropriate standards as listed below

<b>Sound Performance</b>	
Operator Sound	
2000/14/EC	71 dB(A)
Spectator Sound	
2000/14/EC	100 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.



		Variab	le Adjustabl	e Boom	Or	ne-Piece Bo	om
Stick Length	mm (ft/in)	2400 (7'10")	2600 (8'6")	3100 (10'2")*	2400 (7'10")	2600 (8'6")	3100 (10'2")*
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")
2 Shipping Length	mm	8640	8635	8610	8490	8495	8505
	(ft/in)	(28'4")	(28'4")	(28'3")	(27'10")	(27'10")	(27'11")
3 Support Point	mm (ft/in)	3655 (12'0")	3550 (11'8")	3650 (12'0")	3285 (10'9")	3165 (10'5")	3230 (10'7")
4 Tail Swing Radius	mm (ft/in)		2220 (7'3")			2220 (7'3")	
5 Counterweight Clearance	mm (ft/in)		1260 (4'2")			1260 (4'2")	
6 Cab Height – No Falling Object Guard, Handrails Lowered	mm (ft/in)		3170 (10'5")	)		3170 (10'5")	)
No Falling Object Guard, Handrails not Lowered	mm (ft/in)		3240 (10'8")	)		3240 (10'8")	)
With Falling Object Guard	mm (ft/in)		3300 (10'10"	)		3300 (10'10"	)
7 Overall Machine Width			Radial/	Parallel Bla	de Undercai	rriage**	
Width with Outriggers on Ground	mm (ft/in)	3645	/3680 (12'0"/	(12'1")	3645/	/3680 (12'0"/	12'1")
Width with Outriggers Up	mm (ft/in)	254:	5/2550 (8'4"/	(8'4")	254:	5/2550 (8'4"/	8'4")
Width with Blade	mm (ft/in)	2540	0/2550 (8'4"/	(8'4")	2540	0/2550 (8'4"/	8'4")
8 Maximum Outriggers Depth	mm (in)	110	0/120 (4.3"/4	.7")	110	)/120 (4.3"/4	.7")

<sup>\*</sup>Not available for Australia and New Zealand.

<sup>\*\*</sup>When two values are provided the first is for the radial blade undercarriage, the second for the parallel blade undercarriage.
Parallel blade not available in Australia and New Zealand





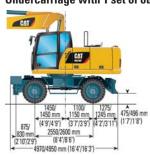
#### Roading position with 2400 mm (7'10") stick Maximum boom height in roading position with a VA is below 4 m (13'1")



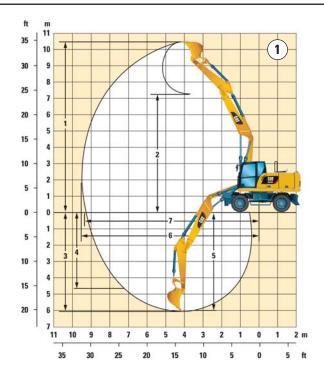
#### Undercarriage with 2 sets of outriggers

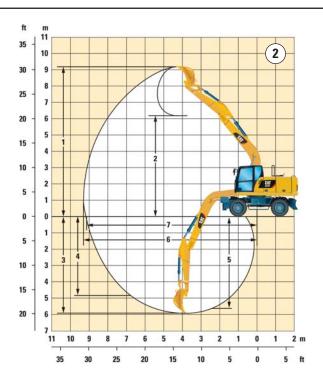


#### Undercarriage with 1 set of outriggers and dozer



## **Working Ranges**





			1			2	
		Variab	le Adjustable	Boom	0	ne-Piece Boo	m
Stick Length	mm (ft/in)	2400 (7'10")	2600 (8'6")	3100 (10'2")*	2400 (7'10")	2600 (8'6")	3100 (10'2")*
1 Digging Height	mm (ft/in)	10 250 (33'8")	10 410 (34'2")	8950 (29'4")	9120 (29'11")	9230 (30'3")	7700 (25'3")
2 Dump Height	mm (ft/in)	7110 (23'4")	7270 (23'10")	_	6080 (19'11")	6200 (20'4")	_
3 Digging Depth	mm (ft/in)	5900 (19'4")	6100 (20'0")	5050 (16'7")	5710 (18'9")	5910 (19'5")	4840 (15'11")
4 Vertical Wall Digging Depth	mm (ft/in)	4610 (15'1")	4790 (15'9")	_	4680 (15'4")	4860 (15'11")	_
<b>5</b> Depth 2.5 m (8'2") in Straight Clean-Up	mm (ft/in)	5800 (19'0")	6000 (19'8")	_	5500 (18'1")	5710 (18'9")	_
6 Reach	mm (ft/in)	9380 (30'9")	9570 (31'5")	8370 (27'6")	9170 (30'1")	9360 (30'9")	8130 (26'8")
7 Reach at Ground Level	mm (ft/in)	9210 (30'3")	9400 (30'10")	8170 (26'10")	8990 (29'6")	9190 (30'2")	7920 (26'0")
Bucket Forces (ISO 6015)	kN (lbf)	114 (25,628)	114 (25,628)	_	114 (25,628)	114 (25,628)	_
Stick Forces (ISO 6015)	kN (lbf)	77 (17,310)	73 (16,411)	_	77 (17,310)	73 (16,411)	_

<sup>\*</sup>Industrial stick has no bucket linkage. Not available in Australia and New Zealand. 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 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.

Width				6		240	Front dozer lowered um	Front dozer and rear outriggers (1) Light stabilized (2) Light stabilized (3) Light stabilized (4) Light stabilized (5) Light stabilized (6) Light stabilize	26		nr outriggers (8)	6")			ontriggers .	10")	260		utriggers u (8, 9, 8)
Width				6			ре	ar outriggers		þ	ır outriggers				outriggers .				ıtriggers
Width				Weight* Capacity (ISO)					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	Free on wheels	Front dozer lowered	Front dozer and rear outriggers
i	n	kg	lb	m³	yd³				With	3.2 r	nt (7,	055 II	b) C	ount	erw	eigh <sup>.</sup>	t		
3	0	464	1,022	0.49	0.64														
		583	1,285	0.79	1.03														
4	8	651	1,435	0.91	1.19														
		663	1,462	1.00															
		712	1,570	1.09	1.43														
5	1	699	1,541	1.00	1.31														
i	n	kg	lb	m³	yd³				With	3.7 r	nt (8,	160 II	b) C	ount	erw	eigh <sup>.</sup>	t		
			1,285	0.79															
			· ·																
					-				With	3.2 r	nt (7,	055 II	b) C	ount	erw	eigh <sup>.</sup>	t		
			,																
													_						
			<u> </u>																
		_			-				VVith	3./ r	nt (8,	160 II	b) C	ount	erw	eigh	t		
			· .																_
_									_										_
	-					-				_			$\dashv$	_					
						-							_						
													_						
	0	0 43 0 48 0 51 0 55 0 51 0 55 0 51 0 30 0 43 0 48 0 51 0 30 0 43 0 48 0 51 0 55 0 51 0 51 0 30 0 43 0 48 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 51 0 55 0 55	0 43 583 0 48 651 0 51 663 0 55 712 0 51 699 1 in kg 0 30 464 0 43 583 0 55 712 0 51 663 0 55 712 0 51 663 0 55 712 0 51 663 0 55 712 0 51 699 1 in kg 0 30 464 0 43 583 0 48 651 0 51 663 0 55 712 0 51 699 1 in kg 0 30 464 0 43 583 0 48 651 0 51 663 0 55 712 0 51 699 1 in kg 0 30 464 0 43 583 0 48 651 0 51 663 0 55 712	0         43         583         1,285           0         48         651         1,435           0         51         663         1,462           0         55         712         1,570           0         51         699         1,541           1         in         kg         lb           0         30         464         1,022           0         43         583         1,285           0         48         651         1,435           0         51         663         1,462           0         51         699         1,541           1         in         kg         lb           0         30         464         1,022           0         43         583         1,285           0         48         651         1,435           0         51         663         1,462           0         55         712         1,570           0         51         699         1,541           1         in         kg         lb           0         51         699         1,541	0         43         583         1,285         0.79           0         48         651         1,435         0.91           0         51         663         1,462         1.00           0         55         712         1,570         1.09           0         51         699         1,541         1.00           1         in         kg         lb         m³           0         30         464         1,022         0.49           0         43         583         1,285         0.79           0         48         651         1,435         0.91           0         51         663         1,462         1.00           0         51         663         1,462         1.00           0         51         699         1,541         1.00           0         1         in         kg         lb         m³           0         30         464         1,022         0.49           0         43         583         1,285         0.79           0         48         651         1,435         0.91           0         51	0         43         583         1,285         0.79         1.03           0         48         651         1,435         0.91         1.19           0         51         663         1,462         1.00         1.31           0         55         712         1,570         1.09         1.43           0         51         699         1,541         1.00         1.31           1         in         kg         lb         m³         yd³           0         30         464         1,022         0.49         0.64           0         43         583         1,285         0.79         1.03           0         48         651         1,435         0.91         1.19           0         51         663         1,462         1.00         1.31           0         51         699         1,541         1.00         1.31           0         51         699         1,541         1.00         1.31           0         43         583         1,285         0.79         1.03           0         43         583         1,285         0.79         1.03 <tr< td=""><td>0         43         583         1,285         0.79         1.03           0         48         651         1,435         0.91         1.19           0         51         663         1,462         1.00         1.31           0         55         712         1,570         1.09         1.43           0         51         699         1,541         1.00         1.31           1         in         kg         lb         m³         yd³           0         30         464         1,022         0.49         0.64           0         43         583         1,285         0.79         1.03           0         48         651         1,435         0.91         1.19           0         51         663         1,462         1.00         1.31           0         55         712         1,570         1.09         1.43           0         51         699         1,541         1.00         1.31           0         51         699         1,541         1.00         1.31           0         30         464         1,022         0.49         0.64      <tr< td=""><td>0</td><td>0       43       583       1,285       0.79       1.03         0       48       651       1,435       0.91       1.19         0       51       663       1,462       1.00       1.31         0       55       712       1,570       1.09       1.43         0       51       699       1,541       1.00       1.31         0       1       1       1       1       1       1         0       30       464       1,022       0.49       0.64       0.64       0.64       0.04</td><td>0</td><td>0</td><td>0</td><td>0       43       583       1,285       0.79       1.03       0       48       651       1,435       0.91       1.19       0       51       663       1,462       1.00       1.31       0       0       55       712       1,570       1.09       1.43       0       0       55       712       1,570       1.09       1.43       0       0       0       51       699       1,541       1.00       1.31       0       0       0       1.541       1.00       1.31       0       0       0       0       48       663       1,462       1.00       1.31       0       0       0       43       583       1,285       0.79       1.03       0       0       48       651       1,435       0.91       1.19       0       0       48       651       1,435       0.91       1.19       0       0       1.43       0       0       1.43       0       0       1.43       0       0       1.43       0       0       1.43       0       0       0       1.43       0       0       0       0       0       0       0       0       0       0       0       0       0       0<td>0</td><td>0</td><td>0 43 583 1,285 0.79 1.03</td><td>0 43 583 1,285 0.79 1.03</td><td>0 43 583 1,285 0.79 1.03</td><td>0 43 583 1,285 0.79 1.03 0 48 651 1,435 0.91 1.19 0 51 663 1,462 1.00 1.31 0 51 699 1,541 1.00 1.31 0 63 1,462 1.00 1.31 0 64</td></td></tr<></td></tr<>	0         43         583         1,285         0.79         1.03           0         48         651         1,435         0.91         1.19           0         51         663         1,462         1.00         1.31           0         55         712         1,570         1.09         1.43           0         51         699         1,541         1.00         1.31           1         in         kg         lb         m³         yd³           0         30         464         1,022         0.49         0.64           0         43         583         1,285         0.79         1.03           0         48         651         1,435         0.91         1.19           0         51         663         1,462         1.00         1.31           0         55         712         1,570         1.09         1.43           0         51         699         1,541         1.00         1.31           0         51         699         1,541         1.00         1.31           0         30         464         1,022         0.49         0.64 <tr< td=""><td>0</td><td>0       43       583       1,285       0.79       1.03         0       48       651       1,435       0.91       1.19         0       51       663       1,462       1.00       1.31         0       55       712       1,570       1.09       1.43         0       51       699       1,541       1.00       1.31         0       1       1       1       1       1       1         0       30       464       1,022       0.49       0.64       0.64       0.64       0.04</td><td>0</td><td>0</td><td>0</td><td>0       43       583       1,285       0.79       1.03       0       48       651       1,435       0.91       1.19       0       51       663       1,462       1.00       1.31       0       0       55       712       1,570       1.09       1.43       0       0       55       712       1,570       1.09       1.43       0       0       0       51       699       1,541       1.00       1.31       0       0       0       1.541       1.00       1.31       0       0       0       0       48       663       1,462       1.00       1.31       0       0       0       43       583       1,285       0.79       1.03       0       0       48       651       1,435       0.91       1.19       0       0       48       651       1,435       0.91       1.19       0       0       1.43       0       0       1.43       0       0       1.43       0       0       1.43       0       0       1.43       0       0       0       1.43       0       0       0       0       0       0       0       0       0       0       0       0       0       0<td>0</td><td>0</td><td>0 43 583 1,285 0.79 1.03</td><td>0 43 583 1,285 0.79 1.03</td><td>0 43 583 1,285 0.79 1.03</td><td>0 43 583 1,285 0.79 1.03 0 48 651 1,435 0.91 1.19 0 51 663 1,462 1.00 1.31 0 51 699 1,541 1.00 1.31 0 63 1,462 1.00 1.31 0 64</td></td></tr<>	0	0       43       583       1,285       0.79       1.03         0       48       651       1,435       0.91       1.19         0       51       663       1,462       1.00       1.31         0       55       712       1,570       1.09       1.43         0       51       699       1,541       1.00       1.31         0       1       1       1       1       1       1         0       30       464       1,022       0.49       0.64       0.64       0.64       0.04	0	0	0	0       43       583       1,285       0.79       1.03       0       48       651       1,435       0.91       1.19       0       51       663       1,462       1.00       1.31       0       0       55       712       1,570       1.09       1.43       0       0       55       712       1,570       1.09       1.43       0       0       0       51       699       1,541       1.00       1.31       0       0       0       1.541       1.00       1.31       0       0       0       0       48       663       1,462       1.00       1.31       0       0       0       43       583       1,285       0.79       1.03       0       0       48       651       1,435       0.91       1.19       0       0       48       651       1,435       0.91       1.19       0       0       1.43       0       0       1.43       0       0       1.43       0       0       1.43       0       0       1.43       0       0       0       1.43       0       0       0       0       0       0       0       0       0       0       0       0       0       0 <td>0</td> <td>0</td> <td>0 43 583 1,285 0.79 1.03</td> <td>0 43 583 1,285 0.79 1.03</td> <td>0 43 583 1,285 0.79 1.03</td> <td>0 43 583 1,285 0.79 1.03 0 48 651 1,435 0.91 1.19 0 51 663 1,462 1.00 1.31 0 51 699 1,541 1.00 1.31 0 63 1,462 1.00 1.31 0 64</td>	0	0	0 43 583 1,285 0.79 1.03	0 43 583 1,285 0.79 1.03	0 43 583 1,285 0.79 1.03	0 43 583 1,285 0.79 1.03 0 48 651 1,435 0.91 1.19 0 51 663 1,462 1.00 1.31 0 51 699 1,541 1.00 1.31 0 63 1,462 1.00 1.31 0 64

Caterpillar recommends using appropriate attachments to maximize the value customers receive from our products. Use of attachments, 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 an attachment resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Maximum material density 1200 kg/m³ (2,000 lb/yd³)

Not recommended

## **Attachment Offering Guide**

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

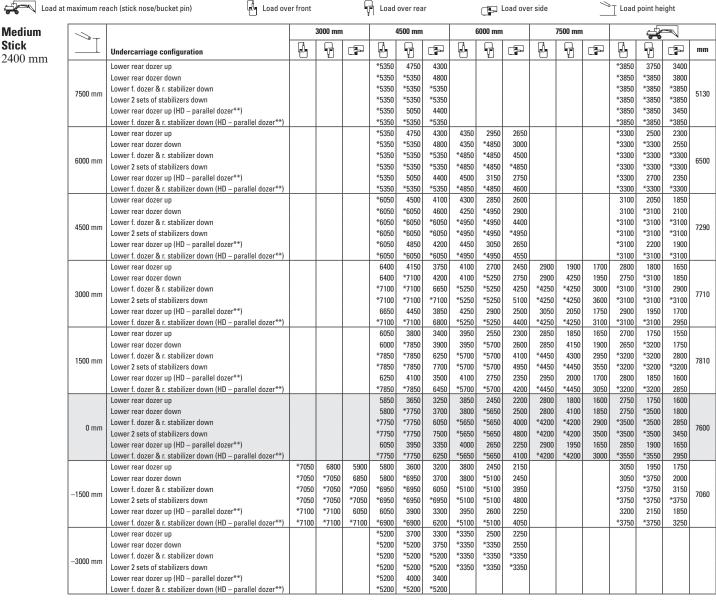
	Counterweight				3.2 m	ıt (7,05	55 lb)			3.7 mt (8,160 lb)											
Undercarriage			(1)			(2)			(3)			(1)			(2)			(3)			
	Stick Length*	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")	2400 mm (7'10")	2600 mm (8'6")	3100 mm (10'2")		
Boom Type – One-Piece Boom		<u> </u>																			
Attachments																					
	H110Es																				
Hydraulic Hammer	H115Es																				
	H120Es																				
	MP318 CC, D and U Jaw																				
Multi-Processor	MP318 P Jaw																				
	MP318 S Jaw																				
Crusher	P315																				
Pulverizer	P215																				
	G310B																				
Demolition and Sorting Grapple	G313 GC																				
(WH-Waste Handling shells)	G315 GC																				
	G315B																				
	G315B-WH																				
Scrap and Demolition Shear	S320B																				
	S325B																				
Compactor Plate	CVP75																				
Boom Type – Variable Adjustable B	oom																				
Attachments																					
	H110Es																				
Hydraulic Hammer	H115Es																				
	H120Es																				
	G310B																				
Demolition and Sorting Grapple	G313 GC																				
	G315 GC																				
(WH-Waste Handling shells)	G315B																				
	G315B-WH																				
Scrap and Demolition Shear	S320B																				
	S325B																				
Compactor Plate	CVP75																				
(1) Dozer lowered		Attacl	nment	is a m	natch					В	oom l	Mount	:								
(2) 2 sets outriggers lowered		Pin-or								o	ver th	e fron	t only	with	Cat Pi	n Gra	bber o	couple	er		
(3) Dozer and outrigger lowered			he fro	nt onl	У			Ī					ended								
(3) Dozer and outrigger towered					•			_													

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 attachment match.

<sup>\*</sup>Industrial stick not available in Australia and New Zealand.

### **Lift Capacities – Variable Adjustable Boom**

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



<sup>\*</sup>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.

<sup>\*\*</sup>HD – parallel dozer not available in Australia and New Zealand.

# Lift Capacities – Variable Adjustable Boom

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



S_			10.0 ft			15.0 ft			20.0 ft			25.0 ft					
	Undercarriage configuration	4	7	æ	Α.	7	æ	Α.	P	æ	<b>A</b>	7	æ	4	P	æ	
	Lower rear dozer up				*11,300	10,100	9,200							*8,700	8,600	7,800	Г
	Lower rear dozer down				*11,300	*11,300	10,300							*8,700	*8,700	*8,700	
25.0 ft	Lower f. dozer & r. stabilizer down				*11,300	*11,300	*11,300							*8,700	*8,700	*8,700	1
23.0 IL	Lower 2 sets of stabilizers down				*11,300	*11,300	*11,300							*8,700	*8,700	*8,700	Ι'
	Lower rear dozer up (HD – parallel dozer**)				*11,400	10,800	9,400							*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	
	Lower rear dozer down				*11,700	*11,700	10,300	9,300	*10,200	6,400				*7,300	*7,300	5,800	
20.0 ft	Lower f. dozer & r. stabilizer down				*11,700	*11,700	*11,700	*10,200	*10,200	9,600				*7,300	*7,300	*7,300	Ι.
20.0 11	Lower 2 sets of stabilizers down				*11,700	*11,700	*11,700	*10,200	*10,200	*10,200				*7,300	*7,300	*7,300	1
	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	
	Lower rear dozer up				*13,000	9,800	8,800	9,200	6,200	5,600				*6,800	4,500	4,100	Γ
	Lower rear dozer down				*13,000	*13,000	9,900	9,200	*10,800	6,300				6,800	*6,800	4,600	l
	Lower f. dozer & r. stabilizer down				*13,000	*13,000	*13,000	*10,800	*10,800	9,500				*6,800	*6,800	*6,800	ĺ,
15.0 ft	Lower 2 sets of stabilizers down	İ			*13,000	*13,000	*13,000	*10,800	*10,800	*10,800			İ	*6,800	*6,800	*6,800	1
	Lower rear dozer up (HD – parallel dozer**)				*13,100	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	*13,100	*13,100	*10,800	*10,800	9,800				*6,800	*6,800	*6,800	İ
	Lower rear dozer up				13,800	9,000	8,100	8,900	5,900	5,300	6,300	4,100	3,700	6,100	4,000	3,600	Г
	Lower rear dozer down	İ			13,800	*15,300	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	14,300	*11,400		9,200	*8,300	*8,300	6,500	*6,800	*6,800	6,400	25.
10.0 ft	Lower 2 sets of stabilizers down				*15,300	*15,300	*15,300	*11,400	*11,400	11,000	*8,300	*8,300	7,700	*6,800	*6,800	*6,800	
	Lower rear dozer up (HD – parallel dozer**)	İ			14,300	9,600	8,300	9,200	6,300	5,400	6,500	4,400	3,800	6,400	4,300	3,700	1
	Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				*15,300	*15,300	14,700	*11,400		9,400	*8,300	*8,300	6,700	*6,800	*6,800	6,500	1
	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	Г
	Lower rear dozer down				13,000	*16,900	8,400	8,500		5,600	6.100	9.000	4,100	5,900	*7,100	3.900	1
	Lower f. dozer & r. stabilizer down	İ			*16,900	*16,900	13,500	*12,300		8,800	*9,600	9,200	6,400	*7,100	*7,100	6,100	١.
5.0 ft	Lower 2 sets of stabilizers down				*16,900	*16,900	16,500	*12,300		10,600	*9,600	9,600	7,600	*7,100	*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	1
	Lower f. dozer & r. stabilizer down (HD – parallel dozer**)	İ			*16,900	*16,900	13,900	*12,300		9,100	*9,600	*9,600	6.500	*7,100	*7,100	6,300	1
	Lower rear dozer up				12,600	7,900	7,000	8,300	5,300	4,800	0,000	0,000	0,000	6,100	3,900	3,500	_
	Lower rear dozer down				12,500	*16,900	8,000	8,200	*12,300	5,400				6,000	*7,800	4,000	1
	Lower f. dozer & r. stabilizer down				*16,900	*16,900	13,100	*12,300		8,600				*7,800	*7,800	6,300	
0.0 ft	Lower 2 sets of stabilizers down				*16,900	*16,900	16,100	*12,300	*12,300	10,400				*7.800	*7,800	7,600	1 3
	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	1
	Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				*16,800	*16,800	13,400	*12,300		8,800				*7,800	*7,800	6,500	
	Lower rear dozer up	*16,200	14,600	12,700	12,500	7,800	6,900	8,200	5,200	4,700				6,800	4,300	3,900	+
	Lower rear dozer down	*16,200		14,700	12,400	*15,000	7,900	8,200		5,300			j	6,700	*8,300	4,400	1
	Lower f. dozer & r. stabilizer down		*16,200	*16,200	*15,000	*15,000	13,000	*11,000		8,500			j	*8,300	*8,300	7,000	İ
-5.0 ft	Lower 2 sets of stabilizers down	*16,200		*16,200	*15,000	*15,000	*15,000	*11,000	*11,000	10,300				*8.300	*8.300	*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	1
	Lower f. dozer & r. stabilizer down (HD – parallel dozer**)	*16,300		*16,300	*15,000	*15,000	13,300	*10.900						*8.300	*8.300	7,200	1
	Lower rear dozer up	10,000	10,000	10,000	*11,200	8,000	7,100	10,000	10,000	0,000				0,000	0,000	1,200	t
	Lower rear dozer down				*11,200	*11,200	8,100										
	Lower f. dozer & r. stabilizer down				*11,200	*11,200	*11,200										
10.0 ft	Lower 2 sets of stabilizers down				*11,200	*11,200	*11,200										
	Lower rear dozer up (HD – parallel dozer**)				*11,100	8,600	7,300										
	FOMEL LEGI ROSEL RA (LID - halging nosel )			1	11,100	0,000	1,300	I	1	1		1			1		1

<sup>\*</sup>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.

<sup>\*\*</sup>HD – parallel dozer not available in Australia and New Zealand.

## **Lift Capacities – Variable Adjustable Boom**

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

Load at r	naximum re	ach (stick nose/bucket pin)	er front		Ÿ	Load	over rea	r		ا 😭 ا	Load ove	r side		<u> </u>	'∐ Load	point he	ight	
Long	>>-			3000 mm		4	1500 mm			6000 mm			7500 mm			#	=	
Stick 2600 mm		Undercarriage configuration	4	P		4	P	<b>P</b>		V		4	V	<b>P</b>		P		mm
	7500 mm	Lower rear dozer up Lower rear dozer down Lower f. dozer & r. stabilizer down Lower 2 sets of stabilizers down Lower rear dozer up (HD – parallel dozer**) Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				*5000 *5000 *5000 *5000 *5000 *5000	*5000 *5000 *5000 *5000 *5000	4350 4850 *5000 *5000 4450 *5000							*3450 *3450 *3450 *3450 *3450 *3450	3450 *3450 *3450 *3450 *3450 *3450	3100 *3450 *3450 *3450 3150 *3450	5430
	6000 mm	Lower rear dozer up  Lower rear dozer down  Lower f. dozer & r. stabilizer down  Lower 2 sets of stabilizers down  Lower rear dozer up (HD – parallel dozer**)  Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				*4900 *4900 *4900 *4900 *4900 *4900	4800 *4900 *4900 *4900 *4900 *4900	4350 4850 *4900 *4900 4450 *4900	4400 4350 *4700 *4700 4550 *4700	2950 *4700 *4700 *4700 3150 *4700	2700 3000 4550 *4700 2750 4650				*3000 *3000 *3000 *3000 *3000 *3000	2400 *3000 *3000 *3000 2550 *3000	2150 2450 *3000 *3000 2200 *3000	6730
	4500 mm	Lower rear dozer up Lower f. dozer & r. stabilizer down Lower f. dozer & r. stabilizer down Lower 2 sets of stabilizers down Lower rear dozer up (HD – parallel dozer**) Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				*5750 *5750 *5750 *5750 *5750 *5800 *5800	4550 *5750 *5750 *5750 *5750 4850 *5800	4150 4600 *5750 *5750 4200 *5800	4300 4300 *4900 *4900 4450 *4900	2900 *4900 *4900 *4900 3100 *4900	2600 2950 4450 *4900 2700 4550	*2850 *2850 *2850 *2850 *2850 *2900 *2900	1950 *2850 *2850 *2850 *2850 2100 *2900	1750 2000 *2850 *2850 1800 *2900	*2800 *2800 *2800 *2800 *2800 *2800	1950 *2800 *2800 *2800 *2800 2100 *2800	1750 2000 *2800 *2800 1800 *2800	7500
	3000 mm	Lower rear dozer up Lower f. dozer & r. stabilizer down Lower f. dozer & r. stabilizer down Lower 2 sets of stabilizers down Lower rear dozer up (HD – parallel dozer**) Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				6450 6450 *6900 *6900 6700 *6950	4200 *6900 *6900 *6900 4500 *6950	3750 4250 6700 *6900 3850 6850	4150 4100 *5200 *5200 4300 *5200	2750 *5200 *5200 *5200 2950 *5200	2450 2800 4300 5150 2550 4400	2900 2900 *4150 *4150 3050 *4150	1900 *4150 *4150 *4150 2050 *4150	1750 1950 3000 3600 1800 3100	2700 2650 *2800 *2800 2800 *2800	1750 *2800 *2800 *2800 *2800 *2800	1550 1800 2750 *2800 1600 *2800	7910
	1500 mm	Lower rear dozer up Lower f. dozer &r. stabilizer down Lower f. dozer &r. stabilizer down Lower 2 sets of stabilizers down Lower rear dozer up (HD – parallel dozer**) Lower f. dozer &r. stabilizer down (HD – parallel dozer**)				6050 6050 *7750 *7750 6300 *7750	3850 *7750 *7750 *7750 4150 *7750	3450 3900 6300 7700 3550 6450	3950 3950 *5650 *5650 4100 *5650	2550 *5650 *5650 *5650 2750 *5650	2300 2600 4100 4950 2400 4200	2850 2850 *4350 *4350 2950 *4350	1850 4150 4300 *4350 2000 *4350	1650 1900 2950 3550 1700 3050	2600 2550 *2900 *2900 2700 *2950	1650 *2900 *2900 *2900 *2900 1800 *2950	1500 1700 2700 *2900 1550 2750	8000
	0 mm	Lower rear dozer up Lower f. dozer & r. stabilizer down Lower f. dozer & r. stabilizer down Lower 2 sets of stabilizers down Lower rear dozer up (HD – parallel dozer**) Lower f. dozer & r. stabilizer down (HD – parallel dozer**)				5850 5800 *7800 *7800 6050 *7800	3650 *7800 *7800 *7800 *7800 3950 *7800	3250 3700 6050 7500 3350 6250	3850 3800 *5700 *5700 4000 *5700	2450 *5700 *5700 *5700 2650 *5700	2200 2500 4000 4800 2250 4100	2800 2800 *4300 *4300 2900 *4250	1800 4100 4250 *4300 1950 *4250	1600 1850 2900 3500 1650 3000	2650 2650 *3200 *3200 2750 *3200	1700 *3200 *3200 *3200 *3200 1850 *3200	1550 1750 2750 *3200 1600 2850	7800
,	–1500 mm	Lower rear dozer up Lower f. dozer & r. stabilizer down Lower f. dozer & r. stabilizer down Lower 2 sets of stabilizers down Lower rear dozer up (HD – parallel dozer**) Lower f. dozer & r. stabilizer down (HD – parallel dozer**)	*6800 *6800 *6800 *6800 *6850 *6850	6750 *6800 *6800 *6800 *6850 *6850	5850 *6800 *6800 *6800 6000 *6850	5800 5750 *7100 *7100 6000 *7050	3600 *7100 *7100 *7100 *7100 3900 *7050	3200 3650 6000 *7100 3300 6200	3800 3800 *5200 *5200 3950 *5200	2400 *5200 *5200 *5200 2600 *5200	2150 2450 3950 4750 2250 4050				2900 2900 *3700 *3700 3050 *3700	1850 *3700 *3700 *3700 2050 *3700	1700 1900 3050 3650 1750 3100	7280
	–3000 mm	Lower rear dozer up  Lower rear dozer up  Lower rear dozer down  Lower f. dozer & r. stabilizer down  Lower 2 sets of stabilizers down  Lower ear dozer up (HD – parallel dozer**)  Lower f. dozer & r. stabilizer down (HD – parallel dozer**)	0030	0030	0030	*5500 *5500 *5500 *5500 *5500 *5450 *5450	3650 *5500 *5500 *5500 3950 *5450	3250 3700 *5500 *5500 3350 *5450	*3750 *3750 *3750 *3750 *3750 *3750 *3750	2450 *3750 *3750 *3750 2650 *3750	2200 2500 *3750 *3750 2300 *3750				*3150 *3150 *3150 *3150 *3150 *3150 *3150	2300 *3150 *3150 *3150 2500 *3150	2100 2350 *3150 *3150 2150 *3150	6350

<sup>\*</sup>Limited by hydraulic rather than tipping load.

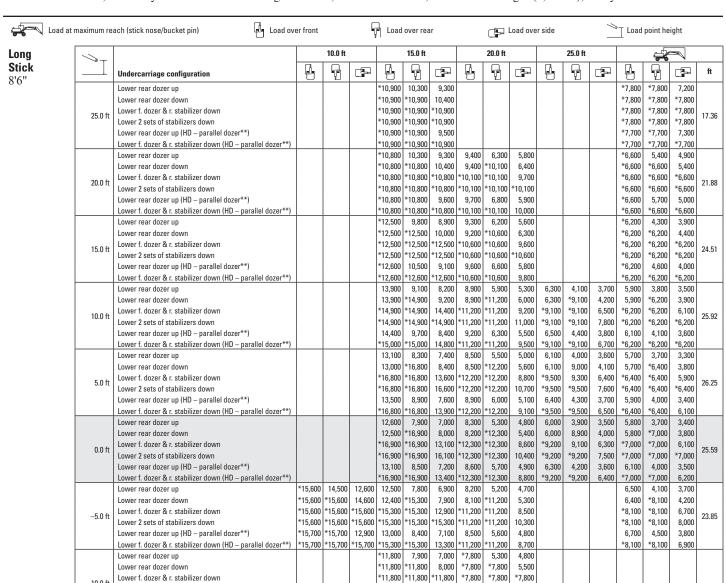
Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on 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.

<sup>\*\*</sup>HD – parallel dozer not available in Australia and New Zealand.

### **Lift Capacities – Variable Adjustable Boom**

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



<sup>\*</sup>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.

\*11.800 | \*11.800 |

\*11,700 | \*11,700 | \*11,700

\*11.700 8.500

\*7.800

\*7,700

\*11.800

7.200 \*7.700

\*7.800

5.800 5.000

\*7.800

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

Lower 2 sets of stabilizers down

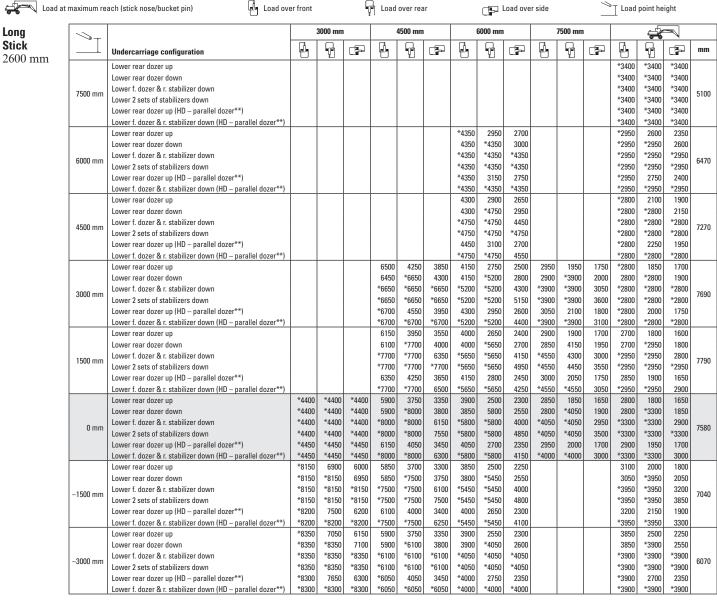
Lower rear dozer up (HD - parallel dozer\*\*)

Lower f. dozer & r. stabilizer down (HD – parallel dozer\*\*)

<sup>\*\*</sup>HD – parallel dozer not available in Australia and New Zealand.

### **Lift Capacities – One-Piece Boom**

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



<sup>\*</sup>Limited by hydraulic rather than tipping load.

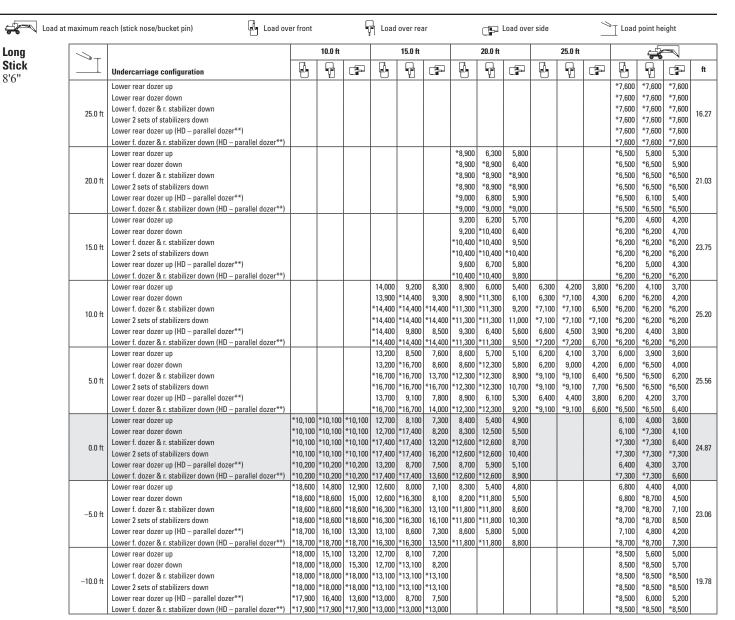
Lift capacity ratings are based on ISO 10567:2007, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. The load point is the center line of the bucket pivot mounting pin on the stick. The oscillating axle must be locked. Lifting capacities are based on the machine standing on 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

<sup>\*\*</sup>HD – parallel dozer not available in Australia and New Zealand.

### **Lift Capacities - One-Piece Boom**

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



<sup>\*</sup>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

<sup>\*\*</sup>HD – parallel dozer not available in Australia and New Zealand.

## **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). Working lights include cab mounted lights (two front, one rear), one on the counterweight for the rear camera and one on the right for the sideview camera.
- -Boom LED working light
- -Cab interior LED light
- -Roading lights two front, halogen
- -Roading lights two rear, LED modules
- · Main shut-off switch
- Maintenance free batteries, heavy duty
- Electrical refueling pump
- · Signal/warning horn
- Travel alarm

#### **ENGINE**

- Cat C4.4 engine with ACERT Technology meets Tier 4 Final/Stage IV 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) capability without de-rate
- · 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
- Auxiliary boom and stick lines
- Basic control circuits:
- Medium pressure
- Two-way, medium pressure circuit, for rotating or tilting of attachments
- Tool control/multi function
- One/two-way high pressure for hammer application or opening and closing of attachments
- Programmable flow and pressure for up to 10 attachments selection via monitor
- Quick coupler circuit and lines for hydraulic quick coupler (both pin grabber or dedicated/CW Quick Couplers, controlled by a dedicated switch)
- 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

(continued on next page)

## **M316F Standard Equipment**

### **Standard Equipment** (continued)

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

#### **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)
- -Right side wide angle camera, mounted on the cooling hood
- Both cameras are displayed side by side 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 with one proportional slider
- · Joystick pattern, changeable
- 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 (tempered glass)/emergency exit, 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 brake/axle 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 shaft with 1,000 hours greasing intervals
- Two speed hydrostatic transmission
- · Spacer rings for tires

#### **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•S<sup>SM</sup> sampling valves for engine oil, hydraulic oil and coolant
- · Bucket linkage for digging sticks

<sup>\*</sup>Not compatible with Falling Objects Guards.

# **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

#### **FRONT LINKAGE**

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

#### **ELECTRICAL**

• Rotating beacon on cab

#### **OPERATOR STATION**

- Advanced joysticks with two proportional sliders
- · Joystick steering
- Seat, adjustable high-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 ventilated
- · Windshield
  - -One-piece impact resistant, laminated windshield and skylight, (EN356 P5A standards)
- -70/30 split, openable
- Mirrors electrically adjustable and heated, frame and cab
- High pressure auxiliary pedal
- Falling Objects Guards (top and front)

#### **UNDERCARRIAGE**

- Front blade (radial)/rear outriggers
- Front outriggers/rear blade (radial)
- Front blade (parallel)/rear outriggers, with trailer-ready package\*
- Front and rear outriggers

#### 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. 25-26)
- Tilt-Rotator-Ready Package

<sup>\*</sup>Not available in Australia and New Zealand.

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

© 2017 Caterpillar All rights reserved

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

CAT, CATERPILLAR, 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.

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

AEHQ7959 (Americas North, Australia, New Zealand)

