M314F

Wheeled Excavator

2017

Engine		
Engine Model	Cat® C4.4 ACERT™	
Emissions	U.S. EPA Tier 4 Final, EU Stage IV, Korea 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 (gross)	110 kW	148 hp
ISO 14396 at 2,000 rpm (gross), metric		150 hp/PS
Weights		
Operating Weight with Attachment	14 360 kg-17 610 kg	31,658 lb-38,820 lb

Bucket Specifications		
Bucket Capacities	0.2 m^3-1 m^3	0.26 yd^3-1.31 yd^3
Working Ranges		
Maximum Reach at Ground Level	9080 mm	29'9"
Maximum Digging Depth	5790 mm	19'0"
Drive		
Maximum Travel Speed	37 kph	23 mph

M314F 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

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

F Series Wheeled Excavators – Easier Than Ever.

Sustainability

Generations Ahead in Every Way

Fuel Efficiency and Reduced Exhaust Emissions

The engine meets Tier 4 Final, Stage IV, Korea Tier 4 emission standards, is powerful and efficient, with an optimized fuel consumption and no impact on your productivity. This means less resource consumption and fewer 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™ 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 M314F has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm EPA, 10 ppm EU 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

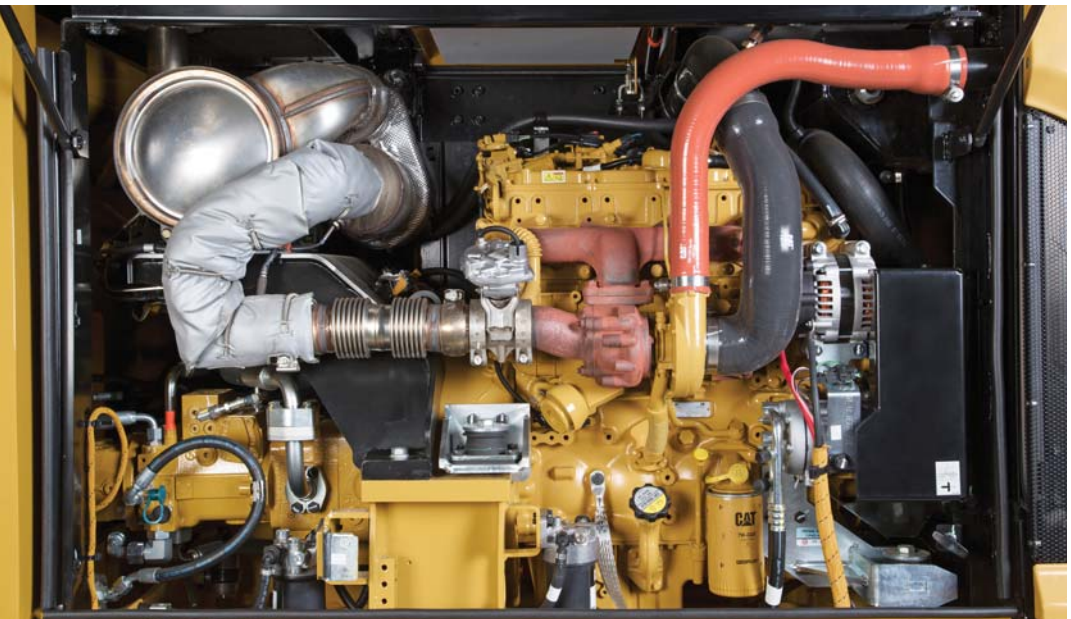
Constant Power Strategy
Provides a quick response to changing loads, while delivering the same amount of power regardless of operating conditions.

A Transparent Emission Solution That Works
The Cat C4.4 ACERT engine meets today's Tier 4 Final, Stage IV, Korea Tier 4 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.
- **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 driving.
- **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 … 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 new 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 Korea, 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.

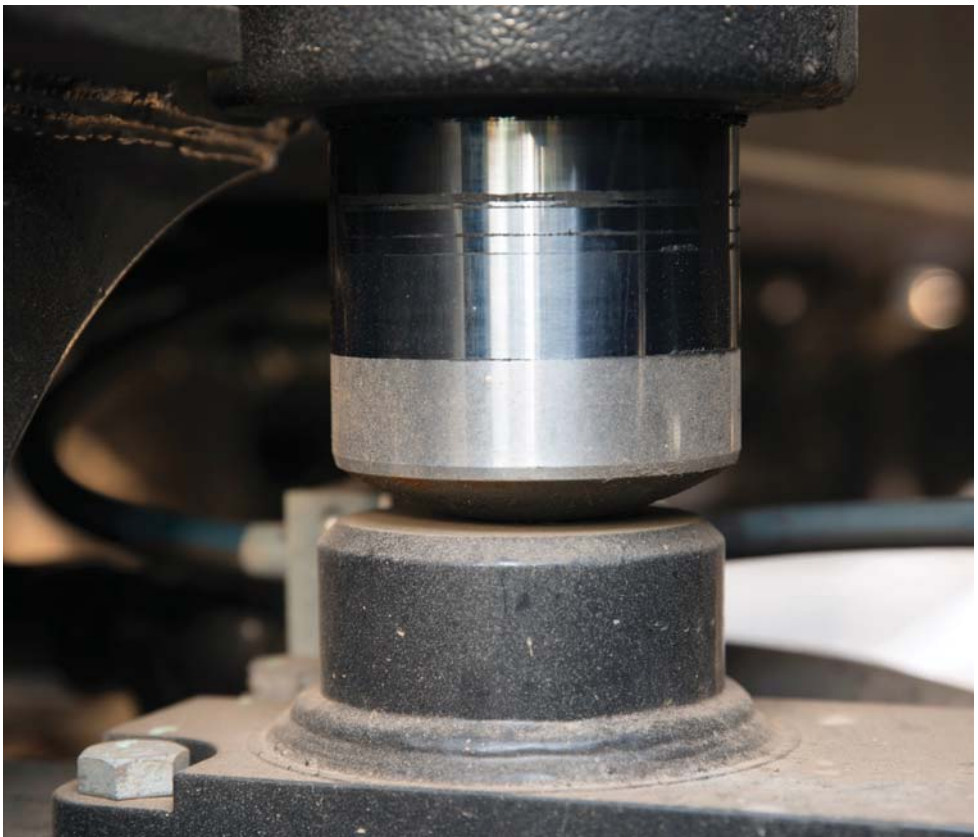
Integrated Pin Code – Switch Off and Relax

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.



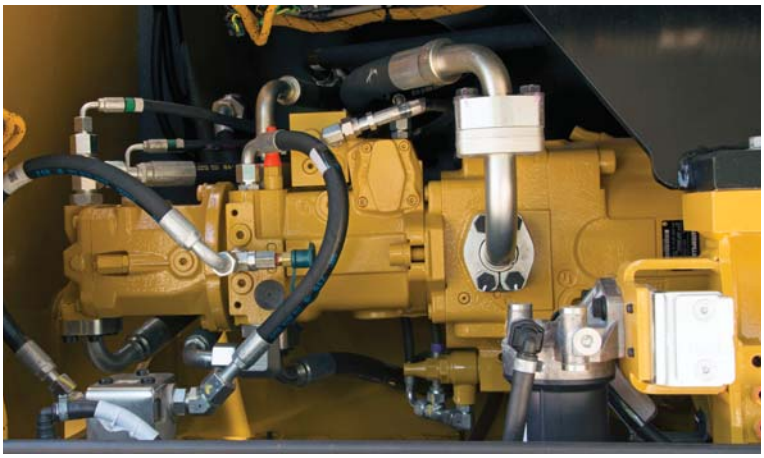
Dig and Go Auto Axle Lock

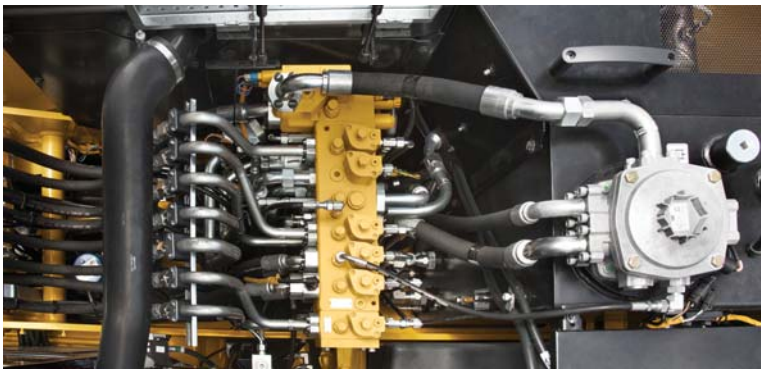
Presses the pedal for you, reducing the number of actions you need to do

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 new 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 other for the second 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 37 kph (23 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.

A buck rest is available for Korea only with the blade rear/front empty undercarriage.

**Not available for Australia and New Zealand.*

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.

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 – 2000 mm (6'7")*** for maximum breakout force and lifting capability
- **Medium stick – 2300 mm (7'7")** for greater crowd force and lift capacity
- **Long stick – 2600 mm (8'6")**** for greater depth and reach

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.

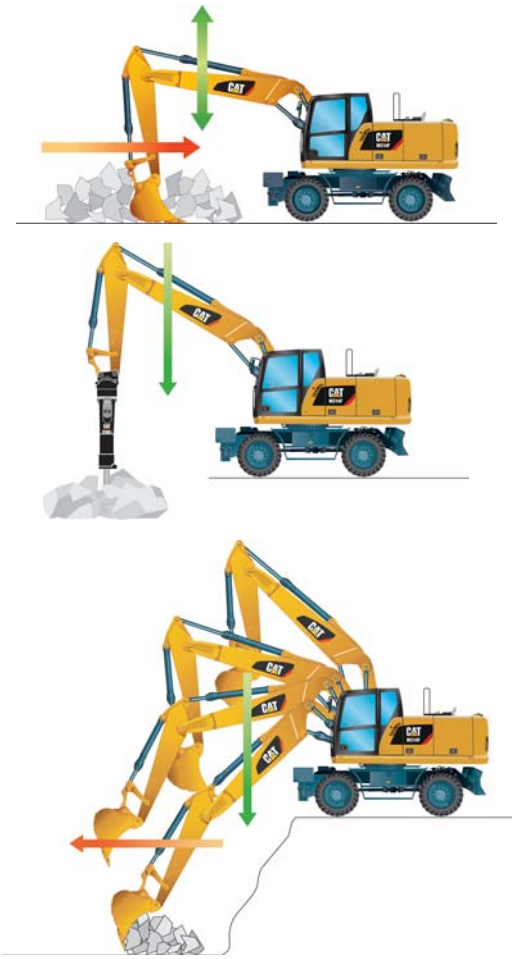
**For Korea only.*
***Not available for Korea.*

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.

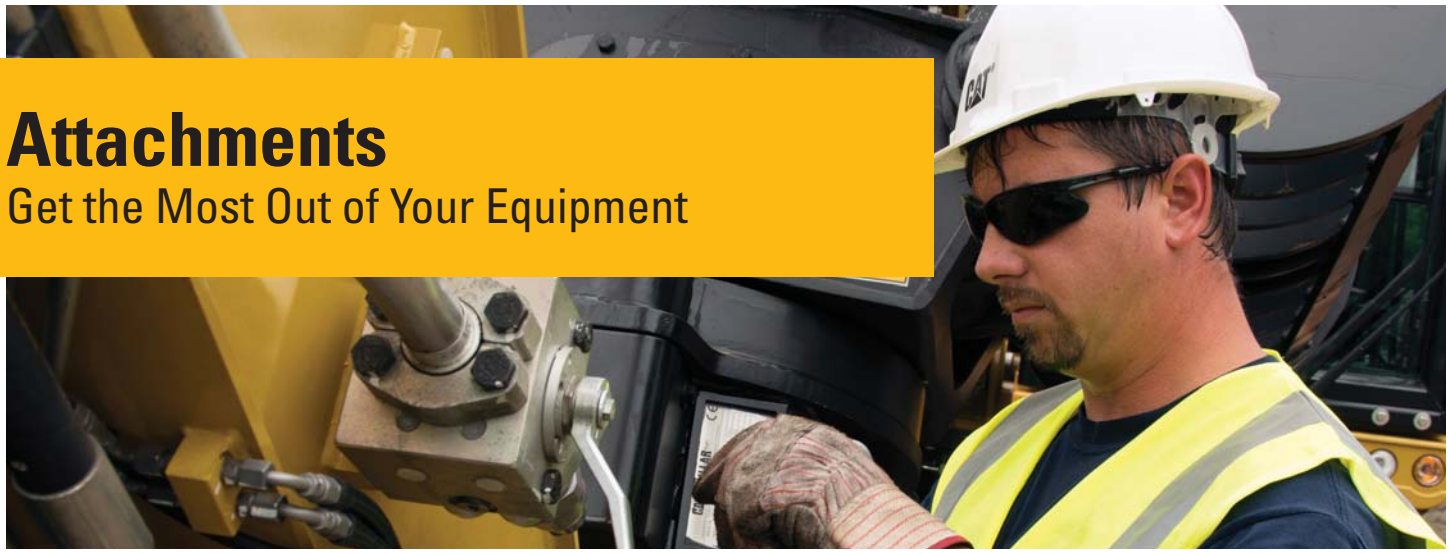
Tiltrotators eliminate the need to constantly reposition the machine, by providing a tilting and rotary connection with any attachment.

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.

Attachments

Get the Most Out of Your Equipment



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 M314F 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.

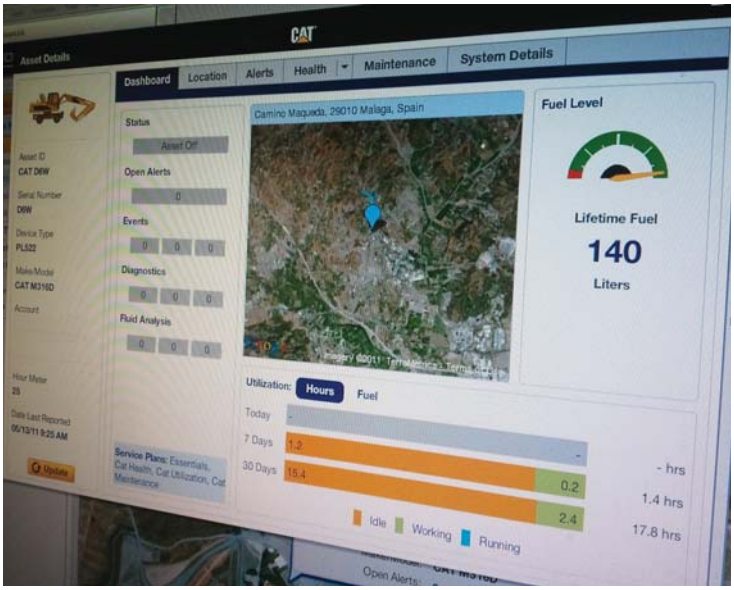
A Smart Design for Any Temperature
The side-by-side coolers and axial fan design allows greater cooling performance. The system is completely separated from the engine compartment to reduce noise and heat and all radiators are gathered in the same compartment while featuring easy-to-clean cores with 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 reduces 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



CAT® CONNECT

EQUIPMENT MANAGEMENT | PRODUCTIVITY | SAFETY | SUSTAINABILITY

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

Equipment Management – increase uptime and reduce operating costs.

PRODUCTIVITY

Productivity – monitor production and manage job site efficiency.

SAFETY

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.

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

**Not available for Korea.*

Smart Lighting

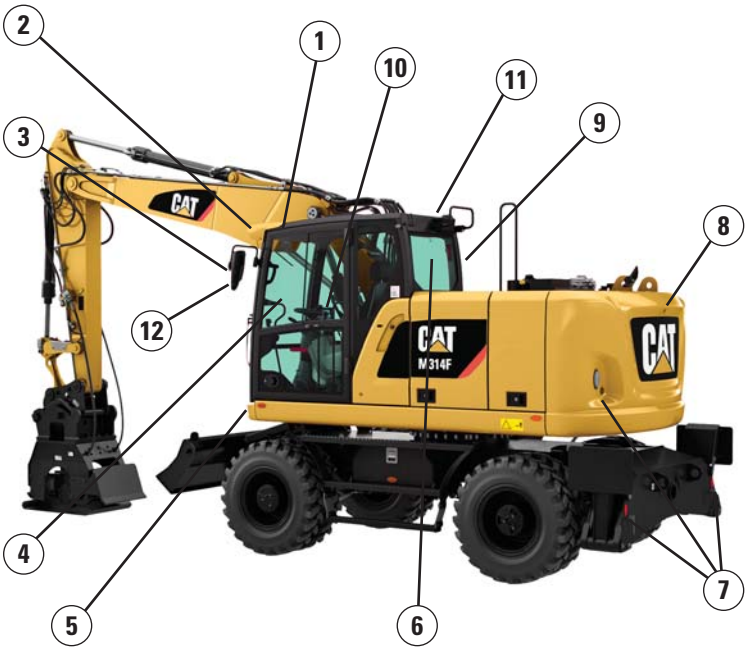
- LED lights for all working lights for enhanced night-time visibility
- Halogen lights for front roading lights
- LED dome light for better illumination inside the cab
- NEW! Dedicated LED lights for both rear and side cameras

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 (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	413.0 lbf-ft
Number of Cylinders	4	

[1] Meets Tier 4 Final, Stage IV, Korea Tier 4 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	9 kph	5.6 mph
2nd Gear	37 kph	23 mph
Creeper Speed		
1st Gear	3 kph	1.9 mph
2nd Gear	12 kph	7.5 mph
Drawbar Pull	73 kN	16,411.1 lbf
Maximum Gradeability (15 000 kg/33,070 lb)	52.5%	

Service Refill Capacities

Fuel Tank (total capacity)	280 L	74 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)	11.2 L	3 gal
Front Steering Axle (differential)	9 L	2.4 gal
Final Drive	2.4 L	0.6 gal
Powershift Transmission	2.5 L	0.7 gal

Swing Mechanism

Maximum Swing Speed	9.8 rpm	
Maximum Swing Torque	36 kN·m	27,158 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	6200 mm	20.3 ft
End of One-Piece Boom	8100 mm	26.6 ft
End of VA Boom	6700 mm	22 ft
Maximum Towable Trailer Mass	8000 kg	17,637 lb

Weights

Operating Weights*	14 360 kg-15 950 kg	31,658 lb-35,164 lb
Weights***		
VA Boom		
Rear Dozer Only***	14 710 kg	32,430 lb
Rear Dozer, Front Outriggers	15 670 kg	34,546 lb
Front and Rear Outriggers***	15 950 kg	35,164 lb
One-Piece Boom		
Front Dozer, Rear Outriggers	15 320 kg	33,775 lb
Front and Rear Outriggers***	15 600 kg	34,392 lb
Sticks**		
Short, 2000 mm (6'7")	610 kg	1,345 lb
Medium, 2300 mm (7'7")	630 kg	1,389 lb
Long, 2600 mm (8'6")	675 kg	1,488 lb
Counterweights		
Standard	2800 kg	6,173 lb
Optional	3300 kg	7,275 lb

*Operating weight includes medium stick, 2800 kg (6,173 lb) counterweight, full fuel tank, operator, quick coupler (210 kg/463 lb) bucket (490 kg/1,080 lb) and dual pneumatic tires. Weight varies depending on configuration.

**Includes cylinder, bucket linkage, pins and standard hydraulic lines. Short stick only available for Korea. Long stick not available in Korea.

***Rear dozer only configuration not available for Australia, New Zealand. Front and rear outriggers not available in Korea.

M314F Wheeled Excavator Specifications

Hydraulic System

Tank Capacity	89 L	23.5 gal
System	220 L	58.1 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	350 bar	5,076 psi
Maximum Flow		
Implement/Travel Circuit	180 L/min	48 gal/min
Auxiliary Circuit		
High Pressure	180 L/min	47.6 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 (Dual Pneumatic)
Optional	10.00-20 (Dual Solid Rubber) 445/70/R19.5 TL XF* (Single Pneumatic)

*Not available for Korea.

Dozer Blade

Blade Type	Radial	
Width	2540 mm	8'4"
Blade Roll-Over Height	540 mm	1'9"
Blade Total Height	580 mm	1'11"
Maximum Lowering Depth From Ground	120 mm	5"
Maximum Raising Height Above Ground	470 mm	1'7"

Emissions and Safety

Engine Emissions	Tier 4 Final, Stage IV, Korea Tier 4	
Diesel Exhaust Fluid	Must meet ISO 22241	
Fluids (Optional)		
Biodiesel up to B20	Meets EN 14214 or ASTM D6751 with EN590 or ASTM D975 Standard Mineral diesel fuels	
Vibration Levels		
Maximum Hand/Arm		
ISO 5349:2001	<2.5 m/s²	<8.2 ft/s²
Maximum Whole Body		
ISO/TR 25398:2006	<0.5 m/s²	<1.6 ft/s²
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

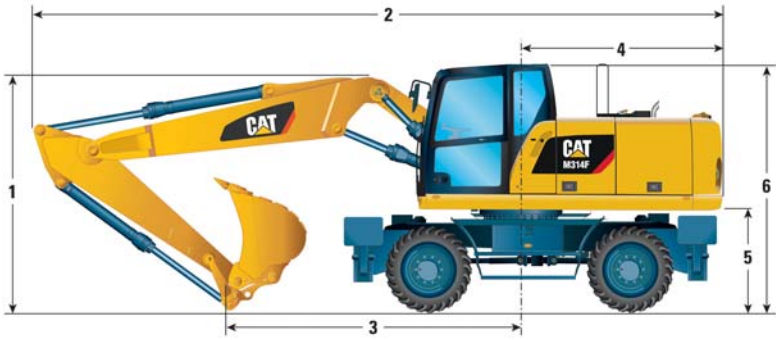
Sound Performance

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.



		Variable Adjustable Boom			One-Piece Boom		
Stick Length*	mm (ft/in)	**2000 (6'7")**	**2300 (7'7")**	**2600 (8'6")**	**2000 (6'7")**	**2300 (7'7")**	**2600 (8'6")**
1 Shipping Height with Falling Object Guard and Handrails Lowered (highest point between boom and cab)	mm (ft/in)	3280 (10'9")	3280 (10'9")	3280 (10'9")	3280 (10'9")	3280 (10'9")	3330 (10'11")
2 Shipping Length	mm (ft/in)	8460 (27'9")	8455 (27'9")	8445 (27'8")	8250 (27'1")	8250 (27'1")	8185 (26'10")
3 Support Point	mm (ft/in)	3820 (12'6")	3465 (11'4")	3315 (10'11")	3485 (11'5")	3115 (10'3")	3450 (11'4")
4 Tail Swing Radius	mm (ft/in)	2090 (6'10")			2090 (6'10")		
5 Counterweight Clearance	mm (ft/in)	1230 (4'0")			1230 (4'0")		
6 Cab Height – No Falling Object Guard, Handrails Lowered	mm (ft/in)	3150 (10'4")			3150 (10'4")		
With Handrails not Lowered	mm (ft/in)	3210 (10'6")			3210 (10'6")		
With Falling Object Guard	mm (ft/in)	3280 (10'9")			3280 (10'9")		
7 Overall Machine Width							
Width with Outriggers on Ground	mm (ft/in)	3645 (12'0")			3645 (12'0")		
Width with Outriggers Up	mm (ft/in)	2545 (8'4")			2545 (8'4")		
Width with Blade	mm (ft/in)	2540 (8'4")			2540 (8'4")		
8 Maximum Outriggers Depth	mm (in)	110 (4.3")			110 (4.3")		

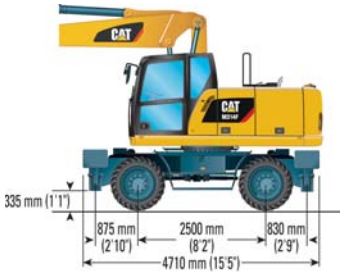
*Short stick only available for Korea. Long stick not available for Korea. Blade rear only configuration not available for Australia and New Zealand. Outriggers front and rear not available in Korea.

**Maximum tire clearance with outrigger fully down

Roading position with 2300 mm (7'7") stick Maximum boom height in roading position with a VA is below 4 m (13'1")

Undercarriage with dozer only*

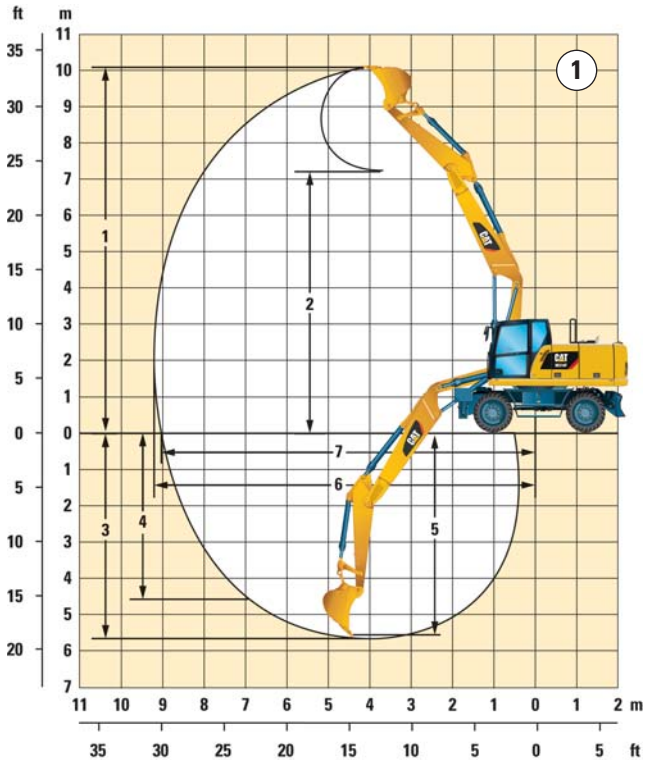
Undercarriage with 2 sets of outriggers*

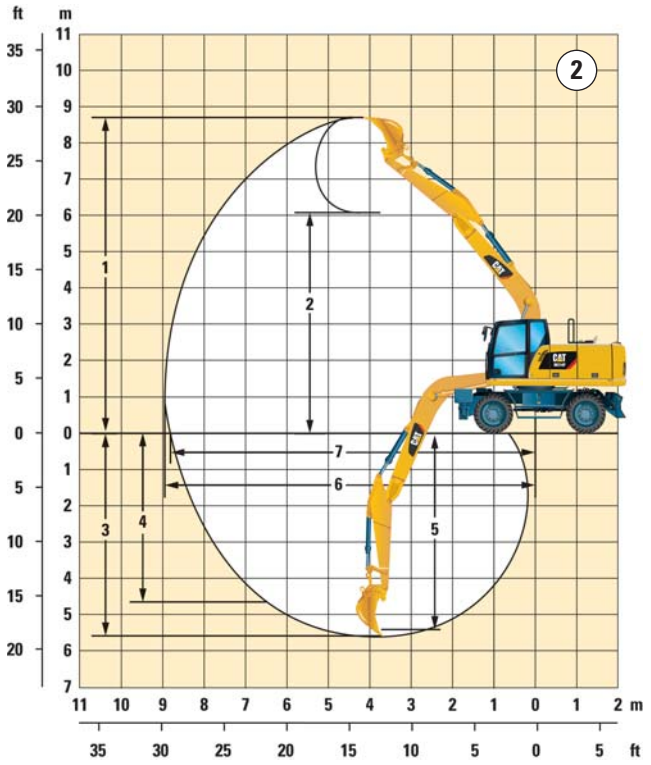


Undercarriage with 1 set of outriggers and dozer

M314F Wheeled Excavator Specifications

Working Ranges





		1			2		
		Variable Adjustable Boom			One-Piece Boom		
Stick Length*	mm (ft/in)	**2000 (6'7")**	**2300 (7'7")**	**2600 (8'6")**	**2000 (6'7")**	**2300 (7'7")**	**2600 (8'6")**
1 Digging Height	mm (ft/in)	9720 (31'11")	9870 (32'5")	10 060 (33'0")	8690 (28'6")	8700 (28'7")	8800 (28'10")
2 Dump Height	mm (ft/in)	6850 (22'6")	7000 (23'0")	7200 (23'7")	5860 (19'3")	5920 (19'5")	6030 (19'9")
3 Digging Depth	mm (ft/in)	5200 (17'1")	5490 (18'0")	5790 (19'0")	5030 (16'6")	5330 (17'6")	5630 (18'6")
4 Vertical Wall Digging Depth	mm (ft/in)	4140 (13'7")	4310 (14'2")	4560 (15'0")	4270 (14'0")	4430 (14'6")	4640 (15'3")
5 Depth 2.5 m (8'2") in Straight Clean-Up	mm (ft/in)	5090 (16'8")	5380 (17'8")	5680 (18'8")	4790 (15'9")	5120 (16'10")	5430 (17'10")
6 Reach	mm (ft/in)	8710 (28'7")	8960 (29'5")	9230 (30'3")	8470 (27'9")	8700 (28'7")	8970 (29'5")
7 Reach at Ground Level	mm (ft/in)	8530 (28'0")	8780 (28'10")	9060 (29'9")	8280 (27'2")	8520 (27'11")	8790 (18'10")
Bucket Forces (ISO 6015)	kN (lbf)	103 (23,155)	103 (23,155)	103 (23,155)	103 (23,155)	103 (23,155)	103 (23,155)
Stick Forces (ISO 6015)	kN (lbf)	76 (17,085)	69 (15,512)	64 (14,388)	76 (17,085)	69 (15,512)	64 (14,388)

Working range dimensions refer to stick nose pin, with pneumatic tires.

Range values are calculated with GD Bucket, 900 mm (36 in), 0.53 m^3 (0.69 yd^3) with tips J250 and quick coupler with a tip radius of 1437 mm (4'9").

Breakout force values are calculated with heavy lift on (no quick coupler) and a cutting edge radius of 1111 mm (3'9").

*Short stick only available for Korea. Long stick not available for Korea.

Bucket Specifications and Compatibility

Contact your Cat dealer for special bucket requirements.

							Variable Adjustable Boom												One-Piece Boom											
Stick Length*							2000 mm (6'7")				2300 mm (7'7")				2600 mm (8'6")				2000 mm (6'7")				2300 mm (7'7")				2600 mm (8'6")			
	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	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	Fully stabilized	Free on wheels	Front dozer lowered	Front dozer and rear outriggers	Fully stabilized
Pin-on Buckets	mm	in	kg	lb	m^3	yd^3	With 2.8 mt (6,173 lb) Counterweight																							
General Duty (GD)	450	18	302	665	0.20	0.27																								
	600	24	349	768	0.31	0.40																								
	900	36	431	950	0.53	0.69																								
	1000	39	456	1005	0.60	0.79																								
	1100	43	490	1081	0.68	0.89																								
	1200	48	519	1145	0.76	1.00																								
Heavy Duty (HD)	1200	48	528	1164	0.76	1.00																								
	mm	in	kg	lb	m^3	yd^3	With 3.3 mt (7,275 lb) Counterweight																							
General Duty (GD)	450	18	302	665	0.20	0.27																								
	600	24	349	768	0.31	0.40																								
	900	36	431	950	0.53	0.69																								
	1000	39	456	1005	0.60	0.79																								
	1100	43	490	1081	0.68	0.89																								
	1200	48	519	1145	0.76	1.00																								
Heavy Duty (HD)	1200	48	528	1164	0.76	1.00																								
Pin Grabber Coupler	mm	in	kg	lb	m^3	yd^3	With 2.8 mt (6,173 lb) Counterweight																							
General Duty (GD)	400	18	302	665	0.20	0.27																								
	600	24	349	768	0.31	0.40																								
	900	36	431	950	0.53	0.69																								
	1000	39	456	1005	0.60	0.79																								
	1100	43	490	1081	0.68	0.89																								
	1200	48	519	1145	0.76	1.00																								
	mm	in	kg	lb	m^3	yd^3	With 3.3 mt (7,275 lb) Counterweight																							
General Duty (GD)	400	18	302	665	0.20	0.27																								
	600	24	349	768	0.31	0.40																								
	900	36	431	950	0.53	0.69																								
	1000	39	456	1005	0.60	0.79																								
	1100	43	490	1081	0.68	0.89																								
	1200	48	519	1145	0.76	1.00																								

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with Long tips.

*Short stick only available for Korea. Long stick not available for Korea.

- Maximum material density 2100 kg/m^3 (3,540 lb/yd^3)
- Maximum material density 1800 kg/m^3 (3,000 lb/yd^3)
- Maximum material density 1500 kg/m^3 (2,500 lb/yd^3)
- Maximum material density 1200 kg/m^3 (2,000 lb/yd^3)
- Not recommended

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.

M314F Wheeled Excavator Specifications

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.

Boom Type		One-Piece Boom																	
Counterweight		2.8 mt (6,173 lb)									3.3 mt (7,275 lb)								
Undercarriage		(1)			(2)			(3)			(1)			(2)			(3)		
Stick Length*		2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")
Attachments																			
Hydraulic Hammer	H110Es																		
	H115Es																		
Demolition and Sorting Grapple	G310 GC																		
	G310B																		
	G313 GC																		
Scrap and Demolition Shear	S320B																		
Compactor Plate	CVP75																		
Boom Type		Variable Adjustable Boom																	
Counterweight		2.8 mt (6,173 lb)									3.3 mt (7,275 lb)								
Undercarriage		(1)			(2)			(3)			(1)			(2)			(3)		
Stick Length*		2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")	2000 mm (6'7")	2300 mm (7'7")	2600 mm (8'6")
Attachments																			
Hydraulic Hammer	H110Es																		
	H115Es																		
Demolition and Sorting Grapple	G310 GC																		
	G310B																		
	G313 GC																		
Scrap and Demolition Shear	S320B																		
Compactor Plate	CVP75																		
Pin Grabber Coupler	Cat PG	This coupler is available for the M314F.																	

(1) Dozer lowered
(2) 2 sets outriggers lowered
(3) Dozer and outrigger lowered

Attachment is a match
Pin-on only
Over the front only
Boom Mount

Over the front only with Cat Pin Grabber Coupler (match Pin-on and Cat Pin Grabber)
Not recommended

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.

*Short stick only available for Korea. Long stick not available for Korea.

Lift Capacities – Variable Adjustable Boom

All values are in kg, bucket cylinder and bucket linkage installed, attachment: none, with counterweight (3300 kg), heavy lift on.

Load at maximum reach (stick nose/bucket pin) | Load over front | Load over rear | Load over side | Load point height

Medium Stick
2300 mm

	Undercarriage configuration†	3000 mm			4500 mm			6000 mm			7500 mm						mm
7500 mm	Lower rear dozer up				*3950	*3950	3700							*3450	*3450	*3450	4640
	Lower rear dozer down				*3950	*3950	*3950							*3450	*3450	*3450	
	Lower f. dozer & r. stabilizer down				*3950	*3950	*3950							*3450	*3450	*3450	
	Lower 2 sets of stabilizers down				*3950	*3950	*3950							*3450	*3450	*3450	
6000 mm	Lower rear dozer up				*4550	4150	3750	*3450	2550	2300				*2900	2450	2200	6130
	Lower rear dozer down				*4550	*4550	4200	*3450	*3450	2600				*2900	*2900	2500	
	Lower f. dozer & r. stabilizer down				*4550	*4550	*4550	*3450	*3450	*3450				*2900	*2900	*2900	
	Lower 2 sets of stabilizers down				*4550	*4550	*4550	*3450	*3450	*3450				*2900	*2900	*2900	
4500 mm	Lower rear dozer up				*5150	3950	3600	3650	2500	2300				*2700	1950	1750	6980
	Lower rear dozer down				*5150	*5150	4050	3650	*4300	2550				*2700	*2700	2000	
	Lower f. dozer & r. stabilizer down				*5150	*5150	*5150	*4300	*4300	3950				*2700	*2700	*2700	
	Lower 2 sets of stabilizers down				*5150	*5150	*5150	*4300	*4300	*4300				*2700	*2700	*2700	
3000 mm	Lower rear dozer up				5500	3700	3300	3550	2400	2200				2550	1700	1550	7420
	Lower rear dozer down				5450	*5950	3750	3500	*4550	2450				2550	*2700	1750	
	Lower f. dozer & r. stabilizer down				*5950	*5950	5950	*4550	*4550	3800				*2700	*2700	*2700	
	Lower 2 sets of stabilizers down				*5950	*5950	*5950	*4550	*4550	*4550				*2700	*2700	*2700	
1500 mm	Lower rear dozer up				5200	3400	3050	3400	2300	2050	2450	1650	1500	2450	1650	1500	7520
	Lower rear dozer down				5150	*6550	3500	3400	*4800	2350	2450	*3050	1700	2450	*2800	1650	
	Lower f. dozer & r. stabilizer down				*6550	*6550	5650	*4800	*4800	3700	*3050	*3050	2650	*2800	*2800	2650	
	Lower 2 sets of stabilizers down				*6550	*6550	*6550	*4800	*4800	4450	*3050	*3050	*3050	*2800	*2800	*2800	
0 mm	Lower rear dozer up				5050	3250	2900	3300	2200	2000				2500	1650	1500	7320
	Lower rear dozer down				5000	*6500	3350	3300	*4700	2250				2500	*3100	1700	
	Lower f. dozer & r. stabilizer down				*6500	*6500	5500	*4700	*4700	3600				*3100	*3100	2700	
	Lower 2 sets of stabilizers down				*6500	*6500	*6500	*4700	*4700	4350				*3100	*3100	*3100	
–1500 mm	Lower rear dozer up	*6750	6050	5300	5000	3250	2900	3300	2200	1950				2800	1850	1700	6760
	Lower rear dozer down	*6750	*6750	6150	5000	*5700	3300	3300	*4100	2250				2800	*3200	1900	
	Lower f. dozer & r. stabilizer down	*6750	*6750	*6750	*5700	*5700	5450	*4100	*4100	3550				*3200	*3200	3050	
	Lower 2 sets of stabilizers down	*6750	*6750	*6750	*5700	*5700	*5700	*4100	*4100	*4100				*3200	*3200	*3200	
–3000 mm	Lower rear dozer up				*4000	3300	2950										
	Lower rear dozer down				*4000	*4000	3400										
	Lower f. dozer & r. stabilizer down				*4000	*4000	*4000										
	Lower 2 sets of stabilizers down				*4000	*4000	*4000										

*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.

†Rear dozer only configuration not available for Australia and New Zealand.
Outriggers front and rear configuration not available for Korea.

M314F Wheeled Excavator Specifications

Lift Capacities – Variable Adjustable Boom

All values are in lb, bucket cylinder and bucket linkage installed, attachment: none, with counterweight (7,280 lb), heavy lift on.

 Load at maximum reach (stick nose/bucket pin)
 Load over front
 Load over rear
 Load over side
 Load point height

Medium Stick 7'7"

	Undercarriage configuration†	10.0 ft			15.0 ft			20.0 ft						ft
25.0 ft	Lower rear dozer up										*7,800	*7,800	*7,800	14.70
	Lower rear dozer down										*7,800	*7,800	*7,800	
	Lower f. dozer & r. stabilizer down										*7,800	*7,800	*7,800	
	Lower 2 sets of stabilizers down										*7,800	*7,800	*7,800	
20.0 ft	Lower rear dozer up				*10,100	8,900	8,100				*6,400	5,500	5,000	19.88
	Lower rear dozer down				*10,100	*10,100	9,000				*6,400	*6,400	5,600	
	Lower f. dozer & r. stabilizer down				*10,100	*10,100	*10,100				*6,400	*6,400	*6,400	
	Lower 2 sets of stabilizers down				*10,100	*10,100	*10,100				*6,400	*6,400	*6,400	
15.0 ft	Lower rear dozer up				*11,100	8,600	7,800	7,900	5,400	4,900	*6,000	4,300	3,900	22.80
	Lower rear dozer down				*11,100	*11,100	8,700	7,800	*9,300	5,500	*6,000	*6,000	4,400	
	Lower f. dozer & r. stabilizer down				*11,100	*11,100	*11,100	*9,300	*9,300	8,500	*6,000	*6,000	*6,000	
	Lower 2 sets of stabilizers down				*11,100	*11,100	*11,100	*9,300	*9,300	*9,300	*6,000	*6,000	*6,000	
10.0 ft	Lower rear dozer up				11,800	7,900	7,200	7,600	5,200	4,700	5,600	3,800	3,400	24.31
	Lower rear dozer down				11,800	*12,900	8,100	7,600	*9,900	5,300	5,600	*5,900	3,900	
	Lower f. dozer & r. stabilizer down				*12,900	*12,900	12,800	*9,900	*9,900	8,200	*5,900	*5,900	*5,900	
	Lower 2 sets of stabilizers down				*12,900	*12,900	*12,900	*9,900	*9,900	*9,900	*5,900	*5,900	*5,900	
5.0 ft	Lower rear dozer up				11,200	7,400	6,600	7,300	4,900	4,500	5,400	3,600	3,300	24.70
	Lower rear dozer down				11,100	*14,200	7,500	7,300	*10,400	5,000	5,400	*6,200	3,700	
	Lower f. dozer & r. stabilizer down				*14,200	*14,200	12,200	*10,400	*10,400	7,900	*6,200	*6,200	5,800	
	Lower 2 sets of stabilizers down				*14,200	*14,200	*14,200	*10,400	*10,400	9,600	*6,200	*6,200	*6,200	
0.0 ft	Lower rear dozer up				10,800	7,000	6,300	7,100	4,700	4,300	5,500	3,700	3,300	24.02
	Lower rear dozer down				10,800	*14,000	7,200	7,100	*10,200	4,900	5,500	*6,900	3,800	
	Lower f. dozer & r. stabilizer down				*14,000	*14,000	11,800	*10,200	*10,200	7,700	*6,900	*6,900	6,000	
	Lower 2 sets of stabilizers down				*14,000	*14,000	*14,000	*10,200	*10,200	9,400	*6,900	*6,900	*6,900	
–5.0 ft	Lower rear dozer up	*15,500	13,000	11,400	10,800	7,000	6,300	7,100	4,700	4,200	6,200	4,100	3,700	22.15
	Lower rear dozer down	*15,500	*15,500	13,200	10,700	*12,300	7,100	7,100	*8,800	4,800	6,200	*7,000	4,200	
	Lower f. dozer & r. stabilizer down	*15,500	*15,500	*15,500	*12,300	*12,300	11,700	*8,800	*8,800	7,700	*7,000	*7,000	6,700	
	Lower 2 sets of stabilizers down	*15,500	*15,500	*15,500	*12,300	*12,300	*12,300	*8,800	*8,800	*8,800	*7,000	*7,000	*7,000	
–10.0 ft	Lower rear dozer up				*8,500	7,200	6,400							
	Lower rear dozer down				*8,500	*8,500	7,300							
	Lower f. dozer & r. stabilizer down				*8,500	*8,500	*8,500							
	Lower 2 sets of stabilizers down				*8,500	*8,500	*8,500							

*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.

†Rear dozer only configuration not available for Australia and New Zealand.
Outriggers front and rear configuration not available for Korea.

Lift Capacities – One-Piece Boom

All values are in kg, bucket cylinder and bucket linkage installed, attachment: none, with counterweight (2800 kg), heavy lift on.

 Load at maximum reach (stick nose/bucket pin)
 Load over front
 Load over rear
 Load over side
 Load point height

Long Stick† 2600 mm

	Undercarriage configuration††	3000 mm			4500 mm			6000 mm			7500 mm						mm
6000 mm	Lower rear dozer up							*2750	2350	2150				*2250	2250	2050	6140
	Lower rear dozer down							*2750	*2750	2400				*2250	*2250	*2250	
	Lower f. dozer & r. stabilizer down							*2750	*2750	*2750				*2250	*2250	*2250	
	Lower 2 sets of stabilizers down							*2750	*2750	*2750				*2250	*2250	*2250	
4500 mm	Lower rear dozer up							3400	2300	2100				*2150	1750	1600	6980
	Lower rear dozer down							3400	*3950	2400				*2150	*2150	1800	
	Lower f. dozer & r. stabilizer down							*3950	*3950	3700				*2150	*2150	*2150	
	Lower 2 sets of stabilizers down							*3950	*3950	*3950				*2150	*2150	*2150	
3000 mm	Lower rear dozer up	*8300	6500	5750	5200	3450	3150	3300	2200	2000				*2150	1550	1400	7420
	Lower rear dozer down	*8300	*8300	6600	5150	*5450	3550	3300	*4300	2250				*2150	*2150	1600	
	Lower f. dozer & r. stabilizer down	*8300	*8300	*8300	*5450	*5450	*5450	*4300	*4300	3550				*2150	*2150	*2150	
	Lower 2 sets of stabilizers down	*8300	*8300	*8300	*5450	*5450	*5450	*4300	*4300	*4300				*2150	*2150	*2150	
1500 mm	Lower rear dozer up				4900	3200	2850	3150	2100	1900	2250	1500	1350	2250	1450	1350	7530
	Lower rear dozer down				4850	*6350	3250	3150	*4700	2150	2250	*2450	1550	2250	*2250	1500	
	Lower f. dozer & r. stabilizer down				*6350	*6350	5300	*4700	*4700	3450	*2450	*2450	2450	*2250	*2250	*2250	
	Lower 2 sets of stabilizers down				*6350	*6350	*6350	*4700	*4700	4200	*2450	*2450	*2450	*2250	*2250	*2250	
0 mm	Lower rear dozer up	*4950	*4950	4800	4700	3000	2700	3050	2000	1800				2300	1500	1350	7320
	Lower rear dozer down	*4950	*4950	*4950	4650	*6650	3100	3050	*4800	2050				2300	*2550	1550	
	Lower f. dozer & r. stabilizer down	*4950	*4950	*4950	*6650	*6650	5100	*4800	*4800	3350				*2550	*2550	2500	
	Lower 2 sets of stabilizers down	*4950	*4950	*4950	*6650	*6650	6350	*4800	*4800	4100				*2550	*2550	*2550	
–1500 mm	Lower rear dozer up	*8200	5500	4800	4650	2950	2650	3050	1950	1800				2550	1700	1500	6770
	Lower rear dozer down	*8200	*8200	5600	4600	*6250	3050	3000	*4500	2050				2550	*3100	1750	
	Lower f. dozer & r. stabilizer down	*8200	*8200	*8200	*6250	*6250	5050	*4500	*4500	3300				*3100	*3100	2800	
	Lower 2 sets of stabilizers down	*8200	*8200	*8200	*6250	*6250	*6250	*4500	*4500	4050				*3100	*3100	*3100	
–3000 mm	Lower rear dozer up	*7000	5650	4900	4650	3000	2700							3300	2150	1950	5760
	Lower rear dozer down	*7000	*7000	5750	4650	*4950	3050							3250	*3350	2200	
	Lower f. dozer & r. stabilizer down	*7000	*7000	*7000	*4950	*4950	*4950							*3350	*3350	*3350	
	Lower 2 sets of stabilizers down	*7000	*7000	*7000	*4950	*4950	*4950							*3350	*3350	*3350	

*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.

†Long stick not available for Korea.
††Rear dozer only configuration not available for Australia and New Zealand.

M314F Wheeled Excavator Specifications

Lift Capacities – One-Piece Boom

All values are in lb, bucket cylinder and bucket linkage installed, attachment: none, with counterweight (6,180 lb), heavy lift on.

 Load at maximum reach (stick nose/bucket pin)
 Load over front
 Load over rear
 Load over side
 Load point height

Long Stick†
8'6"

	Undercarriage configuration††	10.0 ft			15.0 ft			20.0 ft						ft
														
20.0 ft	Lower rear dozer up										*5,000	*5,000	4,600	19.91
	Lower rear dozer down										*5,000	*5,000	*5,000	
	Lower f. dozer & r. stabilizer down										*5,000	*5,000	*5,000	
	Lower 2 sets of stabilizers down										*5,000	*5,000	*5,000	
15.0 ft	Lower rear dozer up							7,300	5,000	4,600	*4,700	3,900	3,600	22.80
	Lower rear dozer down							7,300	*8,700	5,100	*4,700	*4,700	4,000	
	Lower f. dozer & r. stabilizer down							*8,700	*8,700	7,900	*4,700	*4,700	*4,700	
	Lower 2 sets of stabilizers down							*8,700	*8,700	*8,700	*4,700	*4,700	*4,700	
10.0 ft	Lower rear dozer up	*17,700	14,000	12,400	11,200	7,500	6,800	7,100	4,800	4,300	*4,700	3,400	3,100	24.31
	Lower rear dozer down	*17,700	*17,700	14,200	11,100	*11,700	7,600	7,100	*9,400	4,900	*4,700	*4,700	3,500	
	Lower f. dozer & r. stabilizer down	*17,700	*17,700	*17,700	*11,700	*11,700	*11,700	*9,400	*9,400	7,700	*4,700	*4,700	*4,700	
	Lower 2 sets of stabilizers down	*17,700	*17,700	*17,700	*11,700	*11,700	*11,700	*9,400	*9,400	9,300	*4,700	*4,700	*4,700	
5.0 ft	Lower rear dozer up				10,500	6,900	6,200	6,800	4,500	4,100	5,000	3,300	2,900	24.70
	Lower rear dozer down				10,500	*13,700	7,000	6,800	*10,100	4,600	4,900	*5,000	3,400	
	Lower f. dozer & r. stabilizer down				*13,700	*13,700	11,400	*10,100	*10,100	7,400	*5,000	*5,000	*5,000	
	Lower 2 sets of stabilizers down				*13,700	*13,700	*13,700	*10,100	*10,100	9,000	*5,000	*5,000	*5,000	
0.0 ft	Lower rear dozer up	*11,400	*11,400	10,400	10,100	6,500	5,800	6,600	4,300	3,900	5,100	3,300	3,000	24.02
	Lower rear dozer down	*11,400	*11,400	*11,400	10,000	*14,400	6,600	6,600	10,400	4,400	5,100	*5,600	3,400	
	Lower f. dozer & r. stabilizer down	*11,400	*11,400	*11,400	*14,400	*14,400	11,000	*10,400	*10,400	7,200	*5,600	*5,600	5,500	
	Lower 2 sets of stabilizers down	*11,400	*11,400	*11,400	*14,400	*14,400	13,700	*10,400	*10,400	8,800	*5,600	*5,600	*5,600	
–5.0 ft	Lower rear dozer up	*18,700	11,800	10,400	10,000	6,400	5,700	6,500	4,200	3,800	5,700	3,700	3,400	22.15
	Lower rear dozer down	*18,700	*18,700	12,100	9,900	*13,500	6,500	6,500	*9,600	4,400	5,700	*6,900	3,800	
	Lower f. dozer & r. stabilizer down	*18,700	*18,700	*18,700	*13,500	*13,500	10,900	*9,600	*9,600	7,100	*6,900	*6,900	6,200	
	Lower 2 sets of stabilizers down	*18,700	*18,700	*18,700	*13,500	*13,500	13,500	*9,600	*9,600	8,700	*6,900	*6,900	*6,900	
–10.0 ft	Lower rear dozer up	*15,000	12,100	10,600	10,100	6,500	5,800				7,300	4,800	4,300	18.77
	Lower rear dozer down	*15,000	*15,000	12,300	10,000	*10,600	6,600				7,300	*7,400	4,900	
	Lower f. dozer & r. stabilizer down	*15,000	*15,000	*15,000	*10,600	*10,600	*10,600				*7,400	*7,400	*7,400	
	Lower 2 sets of stabilizers down	*15,000	*15,000	*15,000	*10,600	*10,600	*10,600				*7,400	*7,400	*7,400	

*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.

†Long stick not available for Korea.
††Rear dozer only configuration not available for Australia and New Zealand.

Lift Capacities – Variable Adjustable Boom

All values are in kg, bucket cylinder and bucket linkage installed, attachment: none, with counterweight (3300 kg), heavy lift on.

 Load at maximum reach (stick nose/bucket pin)
 Load over front
 Load over rear
 Load over side
 Load point height

Long Stick† 2600 mm

	Undercarriage configuration††	3000 mm			4500 mm			6000 mm			7500 mm						mm
																	
7500 mm	Lower rear dozer up				*3900	*3900	3750							*2900	*2900	*2900	5080
	Lower rear dozer down				*3900	*3900	*3900							*2900	*2900	*2900	
	Lower f. dozer & r. stabilizer down				*3900	*3900	*3900							*2900	*2900	*2900	
	Lower 2 sets of stabilizers down				*3900	*3900	*3900							*2900	*2900	*2900	
6000 mm	Lower rear dozer up				*3950	*3950	3800	*3550	2550	2300				*2450	2200	2000	6460
	Lower rear dozer down				*3950	*3950	*3950	*3550	*3550	2600				*2450	*2450	2250	
	Lower f. dozer & r. stabilizer down				*3950	*3950	*3950	*3550	*3550	*3550				*2450	*2450	*2450	
	Lower 2 sets of stabilizers down				*3950	*3950	*3950	*3550	*3550	*3550				*2450	*2450	*2450	
4500 mm	Lower rear dozer up				*4500	4000	3600	3650	2500	2300				*2300	1800	1600	7270
	Lower rear dozer down				*4500	*4500	4050	3650	*4100	2550				*2300	*2300	1800	
	Lower f. dozer & r. stabilizer down				*4500	*4500	*4500	*4100	*4100	3950				*2300	*2300	*2300	
	Lower 2 sets of stabilizers down				*4500	*4500	*4500	*4100	*4100	*4100				*2300	*2300	*2300	
3000 mm	Lower rear dozer up				5500	3700	3300	3500	2400	2150	2450	1650	1500	*2300	1600	1450	7690
	Lower rear dozer down				5450	*5700	3750	3500	*4400	2450	2450	*3200	1700	*2300	*2300	1600	
	Lower f. dozer & r. stabilizer down				*5700	*5700	*5700	*4400	*4400	3800	*3200	*3200	2650	*2300	*2300	*2300	
	Lower 2 sets of stabilizers down				*5700	*5700	*5700	*4400	*4400	*4400	*3200	*3200	*3200	*2300	*2300	*2300	
1500 mm	Lower rear dozer up				5150	3400	3000	3350	2250	2000	2400	1600	1450	2300	1500	1350	7790
	Lower rear dozer down				5150	*6400	3450	3350	*4650	2300	2400	*3650	1650	2250	*2450	1550	
	Lower f. dozer & r. stabilizer down				*6400	*6400	5600	*4650	*4650	3650	*3650	*3650	2600	*2450	*2450	*2450	
	Lower 2 sets of stabilizers down				*6400	*6400	*6400	*4650	*4650	4450	*3650	*3650	3150	*2450	*2450	*2450	
0 mm	Lower rear dozer up	*3350	*3350	*3350	4950	3200	2850	3250	2150	1950	2400	1550	1400	2350	1550	1400	7590
	Lower rear dozer down	*3350	*3350	*3350	4950	*6450	3250	3250	*4650	2200	2350	*3350	1600	2350	*2700	1600	
	Lower f. dozer & r. stabilizer down	*3350	*3350	*3350	*6450	*6450	5400	*4650	*4650	3550	*3350	*3350	2600	*2700	*2700	2550	
	Lower 2 sets of stabilizers down	*3350	*3350	*3350	*6450	*6450	*6450	*4650	*4650	4300	*3350	*3350	3100	*2700	*2700	*2700	
–1500 mm	Lower rear dozer up	*6500	5900	5150	4900	3150	2800	3200	2100	1900				2600	1700	1550	7060
	Lower rear dozer down	*6500	*6500	6000	4900	*5800	3200	3200	*4200	2150				2600	*3100	1750	
	Lower f. dozer & r. stabilizer down	*6500	*6500	*6500	*5800	*5800	5350	*4200	*4200	3500				*3100	*3100	2800	
	Lower 2 sets of stabilizers down	*6500	*6500	*6500	*5800	*5800	*5800	*4200	*4200	*4200				*3100	*3100	*3100	
–3000 mm	Lower rear dozer up				*4350	3200	2850	*2750	2150	1950							
	Lower rear dozer down				*4350	*4350	3250	*2750	*2750	2200							
	Lower f. dozer & r. stabilizer down				*4350	*4350	*4350	*2750	*2750	*2750							
	Lower 2 sets of stabilizers down				*4350	*4350	*4350	*2750	*2750	*2750							

*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.

†Long stick not available for Korea.
††Rear dozer only configuration not available for Australia and New Zealand.

M314F Wheeled Excavator Specifications

Lift Capacities – Variable Adjustable Boom

All values are in lb, bucket cylinder and bucket linkage installed, attachment: none, with counterweight (7,280 lb), heavy lift on.

 Load at maximum reach (stick nose/bucket pin)
 Load over front
 Load over rear
 Load over side
 Load point height

Long Stick†
8'6"

	Undercarriage configuration††	10.0 ft			15.0 ft			20.0 ft			25.0 ft						ft
25.0 ft	Lower rear dozer up				*8,200	*8,200	8,000							*6,500	*6,500	*6,500	16.17
	Lower rear dozer down				*8,200	*8,200	*8,200							*6,500	*6,500	*6,500	
	Lower f. dozer & r. stabilizer down				*8,200	*8,200	*8,200							*6,500	*6,500	*6,500	
	Lower 2 sets of stabilizers down				*8,200	*8,200	*8,200							*6,500	*6,500	*6,500	
20.0 ft	Lower rear dozer up				*8,700	*8,700	8,100	*7,300	5,500	5,000				*5,500	5,000	4,500	20.96
	Lower rear dozer down				*8,700	*8,700	*8,700	*7,300	*7,300	5,600				*5,500	*5,500	5,100	
	Lower f. dozer & r. stabilizer down				*8,700	*8,700	*8,700	*7,300	*7,300	*7,300				*5,500	*5,500	*5,500	
	Lower 2 sets of stabilizers down				*8,700	*8,700	*8,700	*7,300	*7,300	*7,300				*5,500	*5,500	*5,500	
15.0 ft	Lower rear dozer up				*9,800	8,600	7,800	7,800	5,400	4,900				*5,100	4,000	3,600	23.75
	Lower rear dozer down				*9,800	*9,800	8,700	7,800	*8,900	5,500				*5,100	*5,100	4,000	
	Lower f. dozer & r. stabilizer down				*9,800	*9,800	*9,800	*8,900	*8,900	8,500				*5,100	*5,100	*5,100	
	Lower 2 sets of stabilizers down				*9,800	*9,800	*9,800	*8,900	*8,900	*8,900				*5,100	*5,100	*5,100	
10.0 ft	Lower rear dozer up				11,800	7,900	7,200	7,600	5,100	4,600	5,300	3,500	3,200	*5,100	3,500	3,200	25.20
	Lower rear dozer down				11,800	*12,300	8,100	7,500	*9,500	5,200	5,300	*5,900	3,600	*5,100	*5,100	3,600	
	Lower f. dozer & r. stabilizer down				*12,300	*12,300	*12,300	*9,500	*9,500	8,200	*5,900	*5,900	5,700	*5,100	*5,100	*5,100	
	Lower 2 sets of stabilizers down				*12,300	*12,300	*12,300	*9,500	*9,500	*9,500	*5,900	*5,900	*5,900	*5,100	*5,100	*5,100	
5.0 ft	Lower rear dozer up				11,100	7,300	6,500	7,300	4,800	4,400	5,200	3,400	3,100	5,000	3,300	3,000	25.56
	Lower rear dozer down				11,100	*13,800	7,400	7,200	*10,100	4,900	5,200	*7,500	3,500	5,000	*5,400	3,400	
	Lower f. dozer & r. stabilizer down				*13,800	*13,800	12,100	*10,100	*10,100	7,900	*7,500	*7,500	5,600	*5,400	*5,400	*5,400	
	Lower 2 sets of stabilizers down				*13,800	*13,800	*13,800	*10,100	*10,100	9,500	*7,500	*7,500	6,800	*5,400	*5,400	*5,400	
0.0 ft	Lower rear dozer up	*7,800	*7,800	*7,800	10,700	6,900	6,200	7,000	4,600	4,200				5,200	3,400	3,000	24.90
	Lower rear dozer down	*7,800	*7,800	*7,800	10,600	*14,000	7,000	7,000	*10,100	4,700				5,100	*5,900	3,500	
	Lower f. dozer & r. stabilizer down	*7,800	*7,800	*7,800	*14,000	*14,000	11,700	*10,100	*10,100	7,600				*5,900	*5,900	5,600	
	Lower 2 sets of stabilizers down	*7,800	*7,800	*7,800	*14,000	*14,000	*14,000	*10,100	*10,100	9,300				*5,900	*5,900	*5,900	
–5.0 ft	Lower rear dozer up	*14,900	12,700	11,000	10,600	6,800	6,100	7,000	4,500	4,100				5,700	3,800	3,400	23.13
	Lower rear dozer down	*14,900	*14,900	12,900	10,500	*12,600	6,900	6,900	*9,000	4,700				5,700	*6,800	3,900	
	Lower f. dozer & r. stabilizer down	*14,900	*14,900	*14,900	*12,600	*12,600	11,500	*9,000	*9,000	7,500				*6,800	*6,800	6,200	
	Lower 2 sets of stabilizers down	*14,900	*14,900	*14,900	*12,600	*12,600	*12,600	*9,000	*9,000	*9,000				*6,800	*6,800	*6,800	
–10.0 ft	Lower rear dozer up				*9,300	6,900	6,200										
	Lower rear dozer down				*9,300	*9,300	7,100										
	Lower f. dozer & r. stabilizer down				*9,300	*9,300	*9,300										
	Lower 2 sets of stabilizers down				*9,300	*9,300	*9,300										

*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.

†Long stick not available for Korea.
††Rear dozer only configuration not available for Australia and New Zealand.

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

ENGINE

- Cat C4.4 engine with ACERT Technology meets Tier 4 Final, Stage IV, Korea Tier 4 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 XT™-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)

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
- 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, 2800 kg (6,173 lb)
- Engine emergency shutoff switch
- Mirrors, wide angle, frame and cab
- Product Link
- S•O•S℠ sampling valves for engine oil, hydraulic oil and coolant
- Bucket linkage for digging sticks

*Not compatible with the falling objects guards

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, 4815 mm (15'10")
  - VA boom (two piece), 5028 mm (16'6")
- Sticks
  - 2000 mm (6'7")*
  - 2300 mm (7'7")
  - 2600 mm (8'6")**

ELECTRICAL

- Adjustable Travel Alarm*
- Travel alarm
- 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
- Joystick pattern, changeable**
- Joystick pattern, standard*
- Falling Objects Guards (top and front)

UNDERCARRIAGE

- Rear blade only (radial)****
- Rear blade (radial), with trailer-ready package***
- Front blade (radial)/rear outriggers
- Front outriggers/rear blade (radial)
- 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, 3300 kg (7,275 lb)
- Fenders, front and rear****
- Ride Control
- Tires (see pg. 22)
- Attachments (see pg. 25-27)
- Tilt-Rotator-Ready Package

*For Korea only
**Not available for Korea
***Not available for Korea, Australia and New Zealand
****Not available for 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**

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