M315D
Wheel Excavator

Engine	
Engine Model	Cat® C4.4 with ACERT™ Technology
Emissions	EU Stage IIIB
Net Power (ISO 9249) at 2,000 rpm (DIN)	101 kW (137 hp)
Weights	
Operating Weight	16 100 to 18 300 kg

Bucket Specifications	
Bucket Capacities	0.38 to 1.26 m^3
Working Ranges	
Maximum Reach at Ground Level	9380 mm
Maximum Digging Depth	6070 mm
Drive	
Maximum Travel Speed	34 km/h

Features

Performance
Provides fast cycle times, increased lift capacity and high bucket and stick forces. This combination maximizes your productivity in any job.

Serviceability
For increased safety, all daily maintenance points are accessible from ground level. A centralized greasing system allows lubrication of critical points.

Operator Comfort
The operator station maximizes comfort while increasing safety. The available auto-weight adjusted air-suspension seat with heated and cooled ventilated cushions improves operator comfort. Safety is enhanced by the color monitor and standard rear-mounted camera.

Undercarriage
Various undercarriage configurations with blade and outriggers are available to provide the best solution for you.

Contents


CAT

Responsible Design

Thinking Generations Ahead

Fuel Efficiency and Reduced Exhaust Emissions

The engine meets EU Stage IIIB emission standards with the same performance, reducing particulate matters and NO_x emissions.

Quiet Operation

Low sound levels, as a result of the variable fan speed and remote cooling system.

Technologies and Longer Service Intervals

Product Link allows remote monitoring of the machine and helps improve your fleet efficiency as well as reduce your costs. Your Cat dealer can help extend service intervals, meaning fewer required fluids and disposals, all adding up to lower operating costs.

Biodiesel and Biodegradable Hydraulic Oil

The optional Cat BIO HYDO Advanced HEES™ as well as Biodiesels (20% maximum, mixed with Ultra Low Sulfur Diesel Fuel) can be used without reducing the life of the systems.

Fewer Leaks and Spills

Lubricant filters and various drains are designed to minimize spills. Cat O-Ring Face Seals, XT™ Hoses and cylinders help prevent leaks that can reduce performance and cause harm to the environment.

Cat Certified Used

This program is a key element in the range of solutions offered by Caterpillar and Cat dealers throughout the world 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

Responding quickly to changing loads, the constant power strategy delivers the same amount of power regardless of operating conditions.

Transparent Active Regeneration

The engine meets EU Stage IIIB emission standards using the Active Regeneration system.

- **Transparent:** no operator intervention
- **Simple:** Long-life Diesel Particulate Filter
- **Efficient:** no work interruption, even in case of extended idling time

Fuel Efficiency

Common Rail Fuel System and Fuel Pump

This combination provides outstandingly low fuel consumption during both working and traveling applications.

Demand Fan Cooling System

The electronically controlled hydraulic motor drives a variable speed on-demand fan, resulting in optimized fuel consumption.

One-Touch Low Idle Control

The Automatic Engine Speed Control reduces engine speed if no operation is performed, reducing fuel consumption and sound levels.

Eco and Work Modes

- Eco Mode can reduce significantly your fuel consumption
- Travel mode optimizes driveline performance while preserving fuel
- Power mode is the best compromise between productivity and fuel efficiency

Premium Comfort

Keeps Operators Productive All Shift Long

Comfort and Deluxe Seat

Several seat options give your operators all the comfort they need for a long day of work. Full adjustment of all parts of the seat, including lumbar support and automatic weight adjustment, is available as an option. Heated and ventilated seat cushions are also available.

Low Vibration/Sound Levels

The rubber-mounted cab includes thick steel tubing. Associated with the comfortable air-suspended seat, it helps reduce vibrations and sound levels.

Comfortable Operation

Two-way pedals for travel and auxiliary circuits provide increased floor space, reducing the need to change positions. The auxiliary high-pressure pedal can be locked in the off position and used as a footrest. The steering column is easily tiltable thanks to a large pedal at its base.

Automatic Climate Control

Easy adjustment of the cab temperature with filtered ventilation to make your operators comfortable in all climates.

Storage Compartments

A large compartment behind the seat provides sufficient room to store a large lunch box or a hard hat. A cover secures the contents during machine operation. Several other dedicated spaces can hold large mugs, MP3 players or a cell phone.

Power Supply and MP3 Radio

The cab includes a 12V-7A power supply socket for charging electronic devices such as MP3 players, laptops and cell phones. A CD/MP3 radio is available.

Simplicity and Functionality

For Ease of Operation

Ergonomic Layout and Smart Controls

Frequently used switches are centralized and your operator can adjust the joystick sensitivity electronically directly through the monitor (optional). Features like the heavy lift mode, ride control, SmartBoom or Joystick Steering will not only be precious to increase your productivity but also help reduce fatigue for your operators.

Large Color Monitor

Easy to read and in local language, you can rely on the high-resolution LCD monitor, which 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.

Optimized Visibility

All glass is affixed directly to the cab, eliminating the use of window frames. The 70/30 split front windshield stores the upper portion above the operator and is easy to release. The fixed front windshield comes with high impact resistant laminated glass. A large skylight provides upward visibility and includes a retractable sunscreen. The parallel wiper system covers the entire front windshield.

Standard Rearview Camera

Together with the best in class visibility to all sides, the rear view displayed on the monitor helps ensure a safe operation.

Optional Electrically Heated Mirrors

They provide increased visibility in cold conditions.

Undercarriage

Strength and Versatility on Wheels

High Travel Speed (Maximum 34 km/h)

Reduces travel time between sites.

Heavy Duty Axles

Rigidity and long life with effective transmission protection and 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.

Fenders (optional)

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

Smart Travel Alarm (Adjustable)

The alarm sounds when the machine starts moving. The Auto Mode stops the alarm when it has been sounding for an uninterrupted 10-second interval. It can also be disabled.

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.

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. The axle design lowers life costs. Oil change intervals are at 2,000 working hours.

Hydraulics

Fast Cycle Times, Heavy Lift Capacity

Dedicated Swing Pump

This closed hydraulic circuit maximizes swing performance without reducing power to the other hydraulic functions, resulting in smoother combined movements.

Proportional Auxiliary Hydraulics, Tremendous Versatility

The Medium Pressure Function valve provides proportional flow, ideal for tilting buckets or rotating tools. High Pressure and optional second High Pressure valve for applications requiring a third auxiliary hydraulic function, such as tilting/rotating work tools.

Heavy Lift Mode

Maximizes your lifting performance by boosting the lifting capacity of the machine up to 7%.

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.

Booms and Sticks

Maximum Flexibility – High Productivity

Rugged Performance

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

Flexibility

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

Sticks

- **Short stick (2100 mm)** for maximum breakout force and lifting capability
- **Medium stick (2400 mm)** for greater crowd force and lift capacity
- **Long stick (2600 mm)** for greater depth and reach

Booms

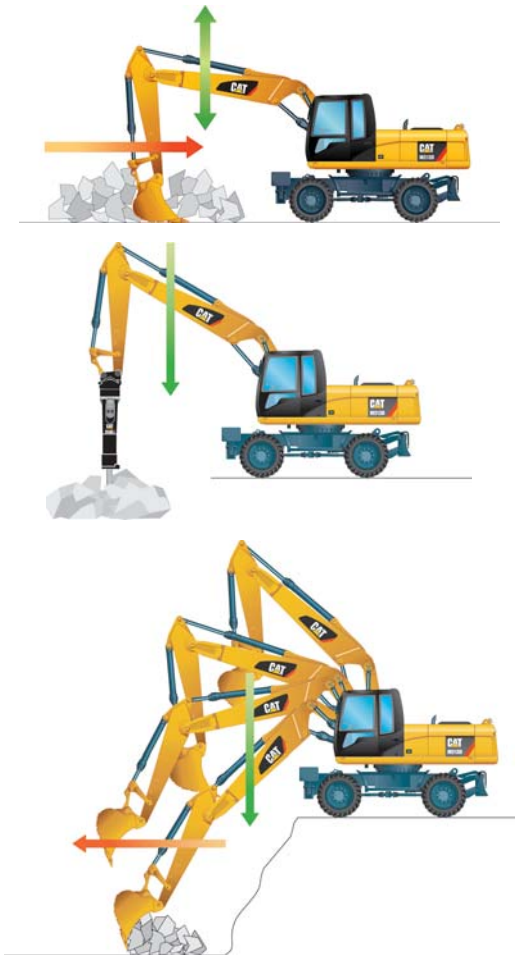
- **Variable Adjustable (VA)** – improved right side visibility and roading balance. When working in tight quarters or lifting heavy loads, the VA boom offers the best flexibility.
- **One-Piece Boom** – Fits best for all standard applications such as truck loading and digging. A unique straight section in the curve of the side plate reduces stress flow and helps increase boom life.
- **Offset Boom** – The large offset dimensions (left/right 2460/2760 mm) allow you to dig along walls, over obstacles, to grade while driving, and to dig under laid tubes without damaging them. The combination with a tiltable ditch cleaning bucket lets you operate a highly versatile system.

SmartBoom
Reduces Stress and Vibration

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

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

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



Ride Control
Fast Travel Speed with More Comfort

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

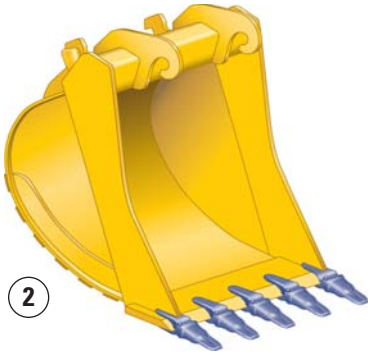
Work Tools

Optimizes Your Performance

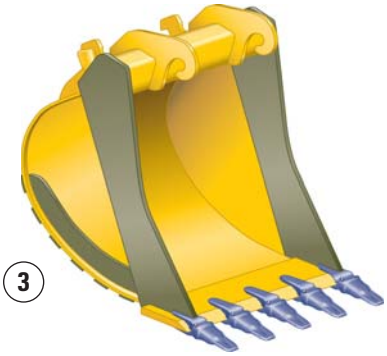
Save Time with Every Tool Change

Perform tool changes in seconds … The new Auto-Connect hydraulic coupler automates tool exchange fully, so operators can change work tools quickly, from the safety and comfort of their cabs. The unique design of the Auto-Connect prevents ruptured hoses, avoiding unplanned downtime. It makes your operators more efficient and productive.

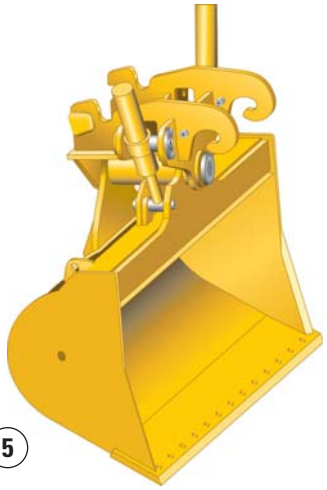
1



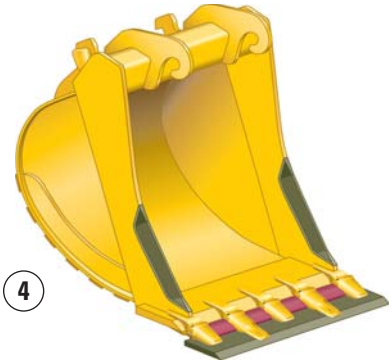
2



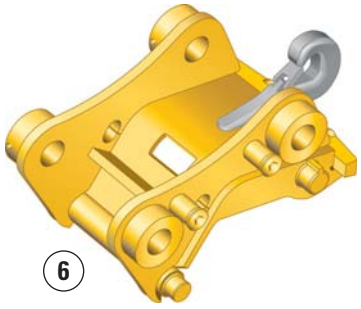
3



5



4



6

7

8

9

1 **Compactors**

2 **Excavation (X)**

3 **Extreme Excavation (EX)**

4 **Excavation Leveling**

5 **Ditch Cleaning**

6 **Quick Coupler**

7 **Shears**

8 **Pulverizer**

9 **Ripper**

Cat Work Tools are designed to function as an integral part of your excavator and are performance-matched to Cat machines.

Quick Couplers

Hydraulic quick couplers enable to simply release one attachment and connect to another without the need to leave the cab, making your excavator highly versatile and productive. Spindle quick couplers are also available.

Buckets

A wide range of specialized buckets including the Cat K Series™ Ground Engaging Tools is available to match all application requirements.

Hammers

Cat hammer series deliver very high blow rates, increasing the productivity of your tool carriers in demolition and construction applications.

Multi-Grapples

The Multi-Grapple with unlimited left and right rotation is the ideal tool for stripping, sorting, handling and loading. The powerful closing force of the grab shells combined with fast opening/closing time ensures rapid cycle time, which translates to more tons per hour.

Vibratory Plate Compactors

Cat compactors integrate perfectly with the Cat hammer line – brackets and hydraulic kits are fully interchangeable between hammers and compactors.

Shears, Pulverizer and Ripper

Cat shears provide superior and effective scrap processing, and are highly productive in demolition environments. Bolt-on brackets are available for boom-mounted option. A pulverizer and a ripper are also available.

Complete Customer Support

Your Cat Dealer Will Support You Like No Other

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.

Cat Product Link

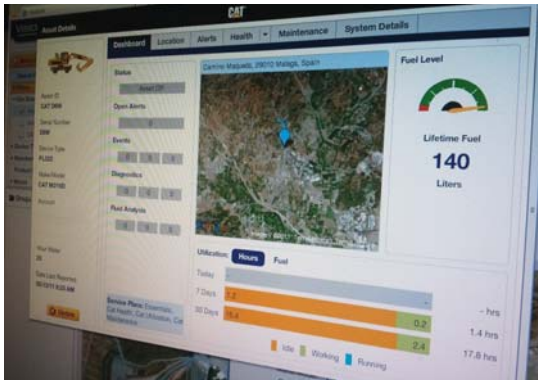
It Pays to Know

Product Link helps you take the guesswork out of equipment management.

With timely, useful information, you can better manage your assets and costs. Just a few clicks give you access to comprehensive remote monitoring, asset tracking and maintenance management. The powerful, web-based VisionLink® application allows you to see information from all your assets – working time vs. idle time, fuel usage, diagnostic fault codes, security alerts and more.

When you know where your equipment is, what it's doing and how it's performing, you can maximize your efficiency and lower your operating costs. It pays to know Cat Product Link.

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



Serviceability
When Uptime Counts

Extended Service Intervals to Reduce Costs

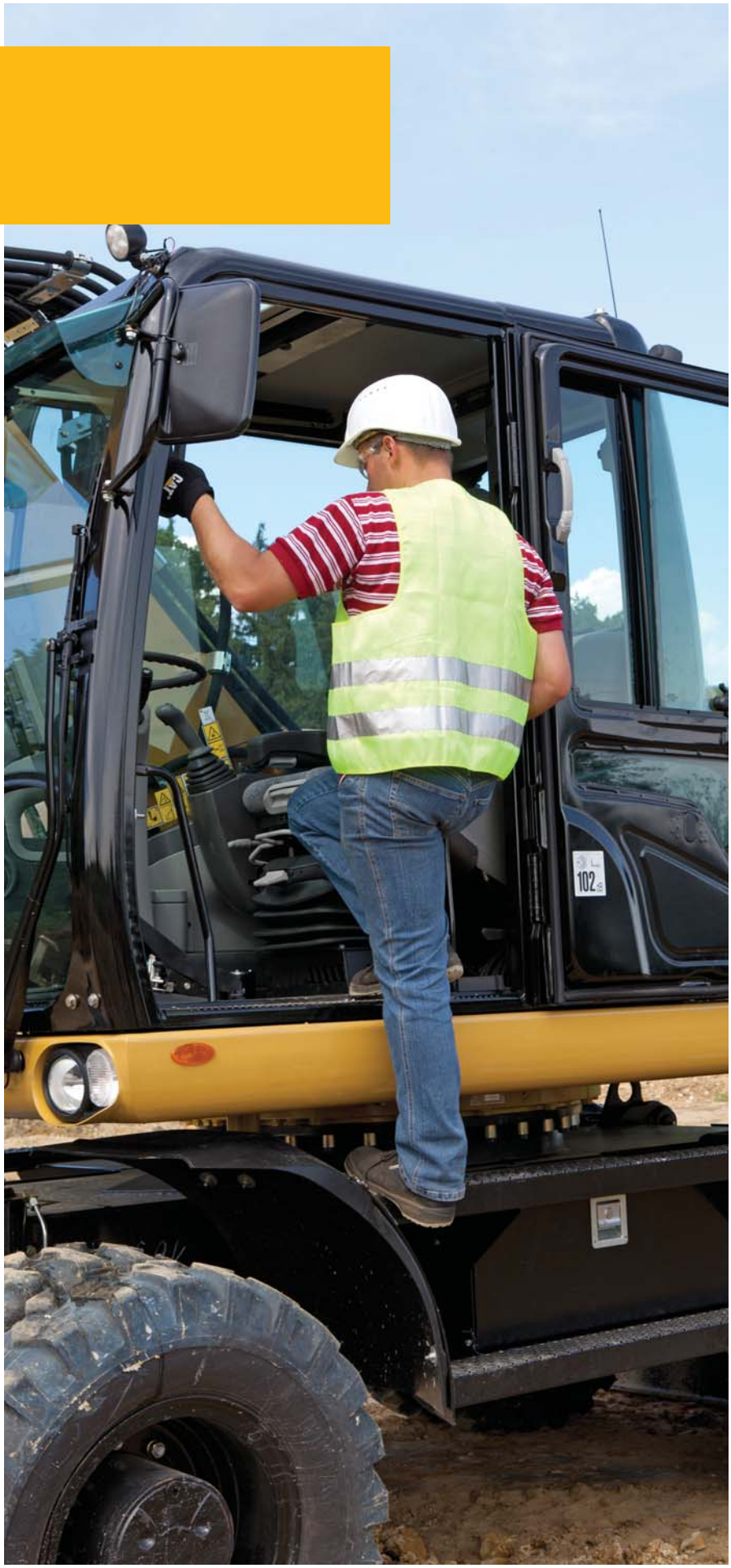
- **S·O·S℠ Oil Sampling Analysis** – Enhances performance and durability. This system can predict potential failures and can extend hydraulic oil change intervals up to 6,000 hours.
- **Engine Oil (low ash oil)** – Cat engine oil is more cost effective and provides industry-leading performance. Engine oil change interval can be extended up to 500 hours.
- **Capsule Filter** – The hydraulic return filter prevents from contamination when the hydraulic oil is changed.
- **Fuel Filters and Water Separator** – High efficiency fuel filters with a Stay-Clean Valve™ can remove more than 98% of particles, increasing fuel injector life.
- **Remote Greasing** – Centralized or grouped points for hard to reach locations.
- **Refueling Pump** (optional).

Easy Ground Level Maintenance

Our excavators are designed with the operator and technician in mind. Door opening is assisted with gaz springs.

- **Front Compartment** – Ground level access to the batteries, air-to-air aftercooler, air conditioner condenser and the air cleaner filter.
- **Swing-out Air Conditioner Condenser** allows cleaning on both sides and access to the air-to-air aftercooler.
- **Engine Compartment** – The longitudinal layout ensures accessibility from ground level.

Safety
Make Sure You're Safe



- **ROPS/FOPS Certified** for added protection
- **Falling Object Guards** can be bolted directly on the cab
- **Anti-drift Valves and Lowering Control Devices** for booms, sticks and buckets
- **Sound Proofing** for a quiet operation
- **Ground Level Maintenance**, reducing falling hazards
- **Anti-Skid Plates** on top of the steps and upper structure to reduce slipping hazards
- **Handrails and Steps** make climbing on and off the machine easy with three points of contact
- **Several Halogen Lights** for proper visibility all shift long
- **Rotating Beacon**, standard
- **Excellent Visibility** – overhead visibility is enhanced with a large skylight
- **Standard Rearview Camera** – clear view behind the machine through the monitor
- **Implement Lock-out** prevents from moving the machine unintentionally
- **Smart Travel Alarm** to enhance safety on your job site
- **Heated Mirror**, for enhanced visibility without the need to climb off the cab

Engine

Engine Model	Cat C4.4 with ACERT Technology
Emissions	EU Stage IIIB
Ratings	2,000 rpm
Gross Power	108 kW (147 hp)
Net Power	
ISO 9249	101 kW (137 hp)
80/1269/EEC	101 kW (137 hp)
Bore	105 mm
Stroke	127 mm
Displacement	4.4 L
Cylinders	4
Maximum Torque at 1,400 rpm	550 N·m

- All engine horsepower (hp) are metric including front page.
- Full engine net power up to 3000 m altitude.

Hydraulic System

Tank Capacity	135 L
System	255 L
Maximum Pressure	
Implement Circuit	
Normal	350 bar
Heavy Lift	375 bar
Travel Circuit	350 bar
Auxiliary Circuit	
High Pressure	350 bar
Medium Pressure	185 bar
Swing Mechanism	370 bar
Maximum Flow	
Implement/Travel Circuit	220 L/min
Auxiliary Circuit	
High Pressure	220 L/min
Medium Pressure	40 L/min
Swing Mechanism	80 L/min

Weights

VA Boom*	
Rear Dozer Only	15 840 kg
Rear Dozer, Front Outriggers	16 790 kg
Front and Rear Outriggers	17 090 kg
One-Piece Boom*	
Rear Dozer Only	15 340 kg
Rear Dozer, Front Outriggers	16 290 kg
Front and Rear Outriggers	16 590 kg
Offset Boom*	
Rear Dozer Only	16 290 kg
Rear Dozer, Front Outriggers	17 240 kg
Front and Rear Outriggers	17 540 kg
Sticks	
Short (2100 mm)	470 kg
Medium (2400 mm)	514 kg
Long (2600 mm)	530 kg
Dozer Blade	750 kg
Outriggers	960 kg
Counterweight	
Standard	3500 kg
Optional	3900 kg

* Machine weight with medium stick, 3900 kg counterweight, with operator and full fuel tank, without work tool. Weight varies depending on configuration.

Transmission

Forward/Reverse	
1st Gear	8 km/h
2nd Gear	34 km/h
Creeper Speed	
1st Gear	3 km/h
2nd Gear	13 km/h
Drawbar Pull	97 kN
Maximum Gradeability	69%

M315D Wheel Excavator Specifications

Swing Mechanism

Swing Speed	10.5 rpm
Swing Torque	40 kN·m

Tires

Standard

- 10.00-20 (dual pneumatic)

Optional

- 11.00-20 (dual pneumatic)
- 18 R 19.5 XF (single pneumatic)
- 10.00-20 (dual solid rubber)

Undercarriage

Ground Clearance	370 mm
Maximum Steering Angle	35°
Oscillation Axle Angle	± 9°
Minimum Turning Radius	
Outside of Tire	6300 mm
End of VA Boom	6900 mm
End of One-Piece Boom	8300 mm

Service Refill Capacities

Fuel Tank	240 L
Cooling	33 L
Engine Crankcase	8 L
Diesel Exhaust Fluid (DEF)	8.3 L
Rear Axle Housing (differential)	14 L
Front Steering Axle (differential)	10.5 L
Final Drive	2.5 L
Powershift Transmission	2.5 L

Sound Levels

Exterior Sound

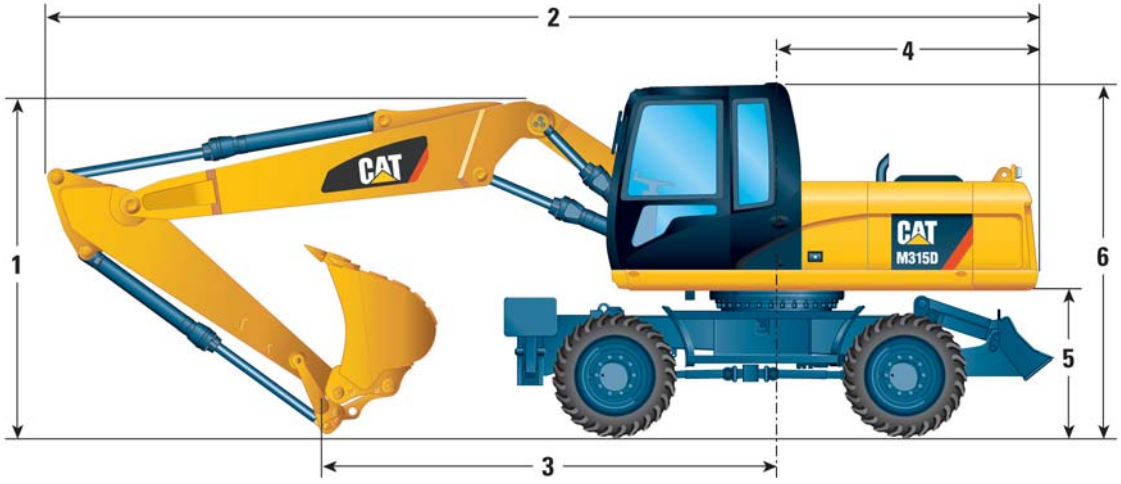
- The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 102 dB(A).

Cab/ROPS/FOGS

- Cat cab with integrated Roll Over Protective Structure (ROPS) meets ISO 12117-2:2008 criteria.
- Cab with Falling Object Guard Structure (FOGS) meets ISO 10262.

Dimensions

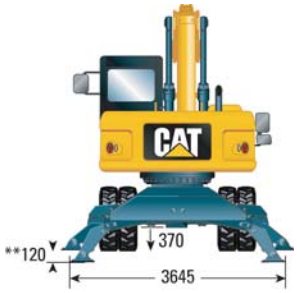
All dimensions are approximate.



		VA Boom			One-Piece Boom			Offset Boom	
Stick Length	mm	**2100**	**2400**	**2600**	**2100**	**2400**	**2600**	**2100**	**2400**
1 Shipping Height	mm	3150	3150	3150	3150	3150	3150	3150	3150
2 Shipping Length	mm	8480	8480	8470	8320	8330	8330	8480	8470
3 Support Point	mm	3910	3660	3560	3560	3280	3160	4020	3780
4 Tail Swing Radius	mm		2210			2210		2210	
5 Counterweight Clearance	mm		1332			1332		1332	
6 Cab Height	mm		3150			3150		3150	
Overall Machine Width	mm		2550			2550		2550	

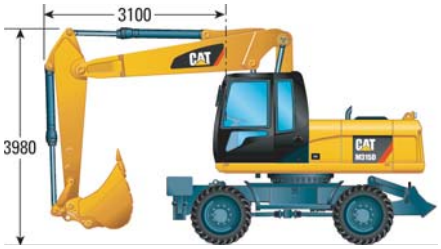
Undercarriage with dozer only

** Maximum tire clearance with outrigger fully down

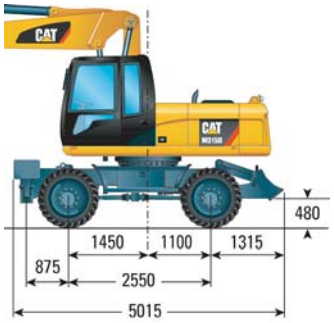


Undercarriage with 2 sets of outriggers

Roading position with 2400 mm stick

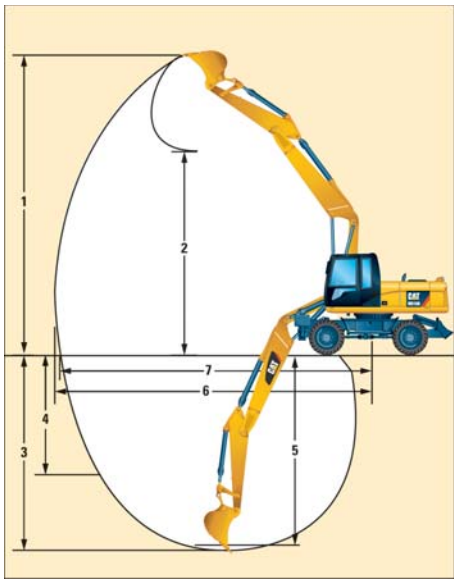


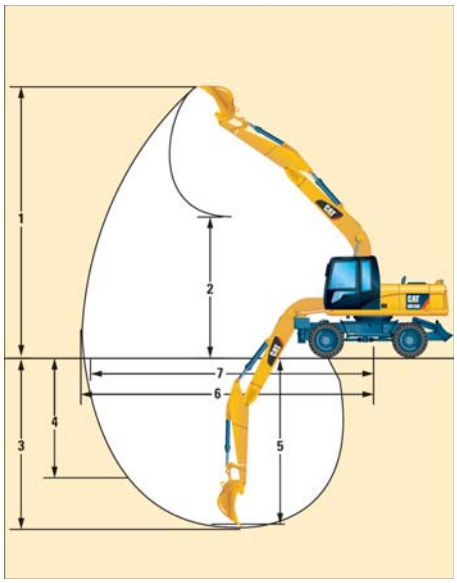
Undercarriage with 1 set of outriggers and dozer

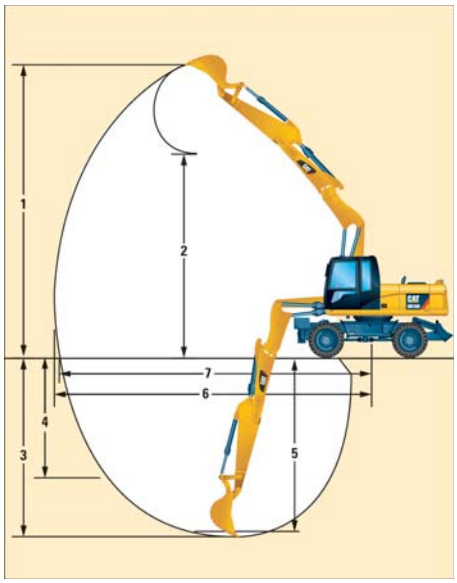


M315D Wheel Excavator Specifications

Working Ranges







		VA Boom			One-Piece Boom			Offset Boom	
Stick Length	mm	**2100**	**2400**	**2600**	**2100**	**2400**	**2600**	**2100**	**2400**
1 Digging Height	mm	10 040	10 230	10 380	8980	9070	9190	10 040	10 230
2 Dump Height	mm	6950	7140	7300	6000	6110	6230	6950	7140
3 Digging Depth	mm	5590	5890	6090	5390	5690	5890	5590	5890
4 Vertical Wall Digging Depth	mm	3720	3920	4090	3510	3650	3820	3720	3920
5 Depth 2.5 m Straight Clean-Up	mm	5370	5690	5900	5170	5490	5700	5370	5690
6 Reach	mm	9100	9360	9560	8900	9160	9350	9100	9360
7 Reach at Ground Level	mm	8910	9190	9380	8710	8970	9170	8910	9190
Bucket Forces (ISO 6015)	kN	101	101	101	101	101	101	101	101
Stick Forces (ISO 6015)	kN	81	74	71	81	74	71	81	74

Values 1-7 are calculated with bucket and quick coupler with a tip radius of 1552 mm.

Breakout force values are calculated with heavy lift on (no quick coupler) and a tip radius of 1405 mm.

Bucket Specifications

Contact your Cat dealer for special bucket requirements.

Pin-On Buckets					Variable Adjustable Boom 5200 mm												One-Piece Boom 5050 mm											
Stick Length					2100 mm				2400 mm				2600 mm				2100 mm				2400 mm				2600 mm			
	Width	Weight*	Capacity (ISO)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized
	mm	kg	m^3																									
Excavation	600	459	0.38	3																								
	750	495	0.52	3																								
	900	557	0.65	4																								
	1000	591	0.75	4																								
	1100	622	0.84	4																								
	1200	668	0.94	5																								
	1300	699	1.03	5																								
	1400	731	1.13	5																								
Extreme Excavation	1200	702	0.94	5																								
	1300	735	1.03	5																								
Excavation (leveling)	600	485	0.41	3																								
	750	529	0.56	3																								
	800	547	0.61	3																								
	900	596	0.70	4																								
	1000	636	0.82	4																								
	1100	672	0.92	4																								
	1200	725	1.04	5																								
	1300	762	1.14	5																								
	1400	798	1.26	5																								
Extreme Excavation (leveling)	1200	757	1.04	5																								
Ditch Cleaning	1800	505	0.73																									
	2000	540	0.83																									
Tiltable Ditch Cleaning	1800	815	0.61																									
	2000	855	0.68																									

*Bucket weight includes Ground Engaging Tools

Maximum material density 1800 kg/m^3

Maximum material density 1500 kg/m^3

Maximum material density 1200 kg/m^3

Not recommended

M315D Wheel Excavator Specifications

Bucket Specifications

Contact your Cat dealer for special bucket requirements.

CW Quick Coupler Buckets					Variable Adjustable Boom 5200 mm												One-Piece Boom 5050 mm											
Stick Length					2100 mm				2400 mm				2600 mm				2100 mm				2400 mm				2600 mm			
	Width	Weight*	Capacity (ISO)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized
	mm	kg	m^3																									
Excavation	600	468	0.38	3																								
	750	504	0.52	3																								
	900	534	0.65	4																								
	1000	568	0.75	4																								
	1100	600	0.84	4																								
	1200	645	0.94	5																								
	1300	676	1.03	5																								
	1400	708	1.13	5																								
Extreme Excavation	1200	679	0.94	5																								
	1300	712	1.03	5																								
Excavation (leveling)	600	498	0.41	3																								
	750	547	0.56	3																								
	800	526	0.61	3																								
	900	575	0.70	4																								
	1000	614	0.82	4																								
	1100	651	0.92	4																								
	1200	704	1.04	5																								
	1300	741	1.14	5																								
	1400	777	1.26	5																								
Extreme Excavation (leveling)	600	523	0.41	3																								
	800	555	0.61	3																								
	1000	644	0.82	4																								
	1200	736	1.04	5																								
Ditch Cleaning	1800	470	0.73																									
	2000	505	0.83																									
Tiltable Ditch Cleaning	1800	775	0.61																									
	2000	815	0.68																									

*Bucket weight includes Ground Engaging Tools

Maximum material density 1800 kg/m³

Maximum material density 1500 kg/m³

Maximum material density 1200 kg/m³

Not recommended

Work Tools Matching Guide

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

Without Quick Coupler			**Variable Adjustable Boom 5200 mm**									**One-Piece Boom 5050 mm**									**Offset Boom 5200 mm**					
			(1)			(2)			(3)			(1)			(2)			(3)			(1)		(2)		(3)	
Stick Length (mm)			2100	2400	2600	2100	2400	2600	2100	2400	2600	2100	2400	2600	2100	2400	2600	2100	2400	2600	2100	2400	2100	2400	2100	2400
Hammers	H100, H100 S		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	H115 S, H120C S		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Multiprocessors	MP15	CC, CR				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
	MP15	PP				■	■		■	■					■	■		■	■				■		■	
	MP15	PS				■	■	■	■	■	■				■	■	■	■	■	■			■		■	
	MP15	S				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
Crusher	P315					■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
Hydraulic Shears (* boom mounted)	S320B					■			■						■			■								
	S320B*		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	S325B*					■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
Multi-Grapples	G310B	D, R	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	G315B	D				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
		R				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
Hydraulic Pulverizer	P215					■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
Compactor	CVP75		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Orange Peel Grapples	GSH15B 5 tines	400				■	■	■	■	■	■	■			■	■	■	■	■	■			■	■	■	■
		500				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
		600				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
		800				■	■	■	■	■					■	■	■	■	■				■	■	■	
	GSH15B 4 tines	400	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			■	■	■	■
		500	■			■	■	■	■	■	■	■	■		■	■	■	■	■	■			■	■	■	■
		600				■	■	■	■	■	■	■			■	■	■	■	■	■			■	■	■	■
		800				■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
With Quick Coupler (CW-20, CW-20S)																										
Hammers	H100, H100 S		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
	H115 S, H120C S		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Multiprocessors	MP15	CC, CR, PS				■			■						■			■								
	MP15	S				■	■		■	■					■	■		■	■				■		■	
Multi-Grapples	G310B	D	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			■	■	■	■
	G310B	R	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			■	■	■	■
	G315B	D, R				■	■		■	■					■	■		■	■				■		■	
Hydraulic Pulverizer	P215					■	■	■	■	■	■				■	■	■	■	■	■			■	■	■	■
Compactor	CVP75		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

■ 360° Working Range
■ Over the front only
■ Maximum material density 3000 kg/m³
■ Maximum material density 1800 kg/m³
■ Maximum material density 1200 kg/m³

M315D Wheel Excavator Specifications

Lift Capacities – Variable Adjustable Boom (5200 mm)

All values are in kg, without bucket and without QC, with counterweight (3900 kg), heavy lift on.

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

Short Stick 2100 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m	Rear dozer up				*5700	4750	4250	4250	2950	2650				*3950	2750	2500	6.17
	Rear dozer down					*5700	4850		*5000	3000					*3950	2850	
	Dozer and stabilizer down					*5700	*5700		*5000	4500					*3950	*3950	
	2 sets of stabilizers down				*5700	*5700	*5700	*5000	*5000	*5000				*3950	*3950	*3950	
4.5 m	Rear dozer up				*6350	4500	4050	4200	2900	2600				3250	2200	2000	7.01
	Rear dozer down					*6350	4650		*5100	2950					*3650	2300	
	Dozer and stabilizer down					*6350	*6350		*5100	4450					*3650	3450	
	2 sets of stabilizers down				*6350	*6350	*6350	*5100	*5100	*5100				*3650	*3650	*3650	
3.0 m	Rear dozer up				6250	4150	3700	4050	2750	2450				2900	1950	1750	7.44
	Rear dozer down					*7350	4300		*5450	2850					*3600	2050	
	Dozer and stabilizer down					*7350	6700		*5450	4300					*3600	3100	
	2 sets of stabilizers down				*7350	*7350	*7350	*5450	*5450	5000				*3600	*3600	3600	
1.5 m	Rear dozer up				5950	3850	3400	3900	2600	2350	2850	1900	1700	2800	1900	1700	7.54
	Rear dozer down					*8000	4000		*5800	2700		*4300	1950		*3750	1950	
	Dozer and stabilizer down					*8000	6350		*5800	4150		*4300	3000		*3750	3000	
	2 sets of stabilizers down				*8000	*8000	7550	*5800	*5800	4850	*4300	*4300	3500	*3750	*3750	3450	
0.0 m	Rear dozer up				5800	3750	3300	3800	2550	2250				2900	1950	1750	7.33
	Rear dozer down					*7750	3850		*5700	2600					*4100	2000	
	Dozer and stabilizer down					*7750	6200		*5700	4100					*4100	3100	
	2 sets of stabilizers down				*7750	*7750	7400	*5700	*5700	4750				*4100	*4100	3600	
–1.5 m	Rear dozer up	*7150	7000	6050	5800	3750	3300	3800	2500	2250				3250	2150	1950	6.76
	Rear dozer down		*7150	*7150		*6750	3850		*4950	2600					*3900	2250	
	Dozer and stabilizer down		*7150	*7150		*6750	6200		*4950	4050					*3900	3450	
	2 sets of stabilizers down	*7150	*7150	*7150	*6750	*6750	*6750	*4950	*4950	4750				*3900	*3900	*3900	
–3.0 m	Rear dozer up				*4800	3850	3400										
	Rear dozer down					*4800	3950										
	Dozer and stabilizer down					*4800	*4800										
	2 sets of stabilizers down				*4800	*4800	*4800										

Medium Stick 2400 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m	Rear dozer up				*5400	4800	4300	4300	2950	2700				*3300	2550	2300	6.50
	Rear dozer down					*5400	4900		*4900	3050					*3300	2650	
	Dozer and stabilizer down					*5400	*5400		*4900	4550					*3300	*3300	
	2 sets of stabilizers down				*5400	*5400	*5400	*4900	*4900	*4900				*3300	*3300	*3300	
4.5 m	Rear dozer up				*6050	4550	4100	4200	2900	2600				3050	2100	1850	7.29
	Rear dozer down					*6050	4700		*5000	3000					*3100	2150	
	Dozer and stabilizer down					*6050	*6050		*5000	4500					*3100	*3100	
	2 sets of stabilizers down				*6050	*6050	*6050	*5000	*5000	*5000				*3100	*3100	*3100	
3.0 m	Rear dozer up				6300	4200	3750	4050	2750	2500	2900	1950	1750	2750	1850	1650	7.71
	Rear dozer down					*7100	4350		*5300	2850		*4300	2000		*3100	1900	
	Dozer and stabilizer down					*7100	6750		*5300	4350		*4300	3050		*3100	2950	
	2 sets of stabilizers down				*7100	*7100	*7100	*5300	*5300	5050	*4300	*4300	3550	*3100	*3100	*3100	
1.5 m	Rear dozer up				5950	3900	3450	3900	2600	2350	2800	1900	1700	2650	1800	1600	7.81
	Rear dozer down					*7900	4000		*5750	2700		4300	1950		*3250	1850	
	Dozer and stabilizer down					*7900	6400		*5750	4150		4300	3000		*3250	2850	
	2 sets of stabilizers down				*7900	*7900	7550	*5750	*5750	4850	*4450	4400	3500	*3250	*3250	*3250	
0.0 m	Rear dozer up				5750	3700	3300	3800	2500	2250	2800	1850	1650	2750	1800	1600	7.60
	Rear dozer down					*7850	3850		*5700	2600		*4250	1900		*3550	1900	
	Dozer and stabilizer down					*7850	6200		*5700	4050		*4250	2950		*3550	2900	
	2 sets of stabilizers down				*7850	*7850	7350	*5700	*5700	4750	*4250	*4250	3450	*3550	*3550	3400	
–1.5 m	Rear dozer up	*7100	6900	5950	5750	3700	3250	3750	2500	2200				3050	2000	1800	7.06
	Rear dozer down		*7100	*7100		*7000	3800		*5150	2550					*3800	2100	
	Dozer and stabilizer down		*7100	*7100		*7000	6150		*5150	4050					*3800	3250	
	2 sets of stabilizers down	*7100	*7100	*7100	*7000	*7000	*7000	*5150	*5150	4700				*3800	*3800	3750	
–3.0 m	Rear dozer up				*5250	3750	3300	*3400	2550	2300							
	Rear dozer down					*5250	3900		*3400	2650							
	Dozer and stabilizer down					*5250	*5250		*3400	*3400							
	2 sets of stabilizers down				*5250	*5250	*5250	*3400	*3400	*3400							

*Limited by hydraulic rather than tipping load.

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

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

Lift Capacities – Variable Adjustable Boom (5200 mm)

All values are in kg, without bucket and without QC, with counterweight (3900 kg), heavy lift on.

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

Long Stick 2600 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m	Rear dozer up				*4950	4800	4350	4300	3000	2700				*3000	2450	2200	6.73
	Rear dozer down					*4950	*4950		*4750	3100					*3000	2500	
	Dozer and stabilizer down					*4950	*4950		*4750	4600					*3000	*3000	
	2 sets of stabilizers down				*4950	*4950	*4950	*4750	*4750	*4750				*3000	*3000	*3000	
4.5 m	Rear dozer up				*5800	4600	4150	4250	2950	2650	*2850	2000	1800	*2850	2000	1800	7.50
	Rear dozer down					*5800	4750		*4900	3000		*2850	2050		*2850	2050	
	Dozer and stabilizer down					*5800	*5800		*4900	4500		*2850	*2850		*2850	*2850	
	2 sets of stabilizers down				*5800	*5800	*5800	*4900	*4900	*4900	*2850	*2850	*2850	*2850	*2850	*2850	
3.0 m	Rear dozer up				6350	4250	3800	4100	2800	2500	2900	1950	1750	2650	1800	1600	7.91
	Rear dozer down					*6950	4400		*5200	2850		*4200	2050		*2850	1850	
	Dozer and stabilizer down					*6950	6800		*5200	4350		*4200	3100		*2850	2850	
	2 sets of stabilizers down				*6950	*6950	*6950	*5200	*5200	5050	*4200	*4200	3550	*2850	*2850	*2850	
1.5 m	Rear dozer up				6000	3900	3450	3900	2650	2350	2800	1900	1700	2550	1700	1550	8.00
	Rear dozer down					*7800	4050		*5700	2700		4350	1950		*2950	1750	
	Dozer and stabilizer down					*7800	6400		*5700	4200		4300	3000		*2950	2750	
	2 sets of stabilizers down				*7800	*7800	7600	*5700	*5700	4850	*4400	*4400	3500	*2950	*2950	*2950	
0.0 m	Rear dozer up				5800	3750	3300	3800	2500	2250	2750	1850	1650	2650	1750	1550	7.80
	Rear dozer down					*7900	3850		*5750	2600		4250	1900		*3200	1800	
	Dozer and stabilizer down					*7900	6200		*5750	4050		4250	2950		*3200	2800	
	2 sets of stabilizers down				*7900	*7900	7400	*5750	*5750	4750	*4350	*4350	3450	*3200	*3200	*3200	
–1.5 m	Rear dozer up	*6850	*6850	5900	5750	3700	3250	3750	2500	2200				2900	1950	1700	7.28
	Rear dozer down		*6850	*6850		*7150	3800		*5250	2550					*3750	2000	
	Dozer and stabilizer down		*6850	*6850		*7150	6150		*5250	4000					*3750	3100	
	2 sets of stabilizers down	*6850	*6850	*6850	*7150	*7150	*7150	*5250	*5250	4700				*3750	*3750	3600	
–3.0 m	Rear dozer up				*5550	3750	3300	3800	2550	2250				*3200	2350	2100	6.35
	Rear dozer down					*5550	3850		*3850	2600					*3200	2450	
	Dozer and stabilizer down					*5550	*5550		*3850	*3850					*3200	*3200	
	2 sets of stabilizers down				*5550	*5550	*5550	*3850	*3850	*3850				*3200	*3200	*3200	

*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.

M315D Wheel Excavator Specifications

Lift Capacities – One-Piece Boom (5050 mm)

All values are in kg, without bucket and without QC, with counterweight (3900 kg), heavy lift on.

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

Short Stick 2100 mm

Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m																
Rear dozer up													*3850	3000	2700	5.92
Rear dozer down														*3850	3100	
Dozer and stabilizer down														*3850	*3850	
2 sets of stabilizers down													*3850	*3850	*3850	
4.5 m																
Rear dozer up				*6050	4550	4100	4200	2900	2650				3400	2350	2150	6.79
Rear dozer down					*6050	4650		*5100	3000					*3600	2450	
Dozer and stabilizer down					*6050	*6050		*5100	4450					*3600	*3600	
2 sets of stabilizers down				*6050	*6050	*6050	*5100	*5100	*5100				*3600	*3600	*3600	
3.0 m																
Rear dozer up				6300	4250	3800	4050	2800	2500				3050	2100	1900	7.23
Rear dozer down					*7150	4350		*5500	2900					*3600	2150	
Dozer and stabilizer down					*7150	6750		*5500	4350					*3600	3250	
2 sets of stabilizers down				*7150	*7150	*7150	*5500	*5500	5000				*3600	*3600	*3600	
1.5 m																
Rear dozer up				6000	3950	3550	3950	2650	2400				2950	2000	1800	7.34
Rear dozer down					*8000	4100		*5850	2750					*3800	2050	
Dozer and stabilizer down					*8000	6400		*5850	4200					*3800	3150	
2 sets of stabilizers down				*8000	*8000	7600	*5850	*5850	4850				*3800	*3800	3600	
0.0 m																
Rear dozer up				5850	3850	3400	3850	2600	2300				3050	2050	1850	7.12
Rear dozer down					*8050	3950		*5850	2700					*4250	2150	
Dozer and stabilizer down					*8050	6250		*5850	4100					*4250	3250	
2 sets of stabilizers down				*8050	*8050	7400	*5850	*5850	4800				*4250	*4250	3750	
–1.5 m																
Rear dozer up	*8750	7100	6150	5850	3800	3400	3850	2600	2300				3400	2300	2100	6.54
Rear dozer down		*8750	7350		*7250	3950		*5250	2650					*4450	2400	
Dozer and stabilizer down		*8750	*8750		*7250	6250		*5250	4100					*4450	3650	
2 sets of stabilizers down	*8750	*8750	*8750	*7250	*7250	*7250	*5250	*5250	4750				*4450	*4450	4250	
–3.0 m																
Rear dozer up	*7100	*7100	6300	*5400	3900	3450							*3900	3000	2700	5.48
Rear dozer down		*7100	*7100		*5400	4050								*3900	3100	
Dozer and stabilizer down		*7100	*7100		*5400	*5400								*3900	*3900	
2 sets of stabilizers down	*7100	*7100	*7100	*5400	*5400	*5400							*3900	*3900	*3900	

Medium Stick 2400 mm

Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m																
Rear dozer up							4250	2950	2700				*3250	2750	2500	6.24
Rear dozer down								*4300	3050					*3250	2850	
Dozer and stabilizer down								*4300	*4300					*3250	*3250	
2 sets of stabilizers down							*4300	*4300	*4300				*3250	*3250	*3250	
4.5 m																
Rear dozer up				*5700	4600	4100	4200	2900	2650				*3100	2200	2000	7.07
Rear dozer down					*5700	4700		*4900	3000					*3100	2300	
Dozer and stabilizer down					*5700	*5700		*4900	4450					*3100	*3100	
2 sets of stabilizers down				*5700	*5700	*5700	*4900	*4900	*4900				*3100	*3100	*3100	
3.0 m																
Rear dozer up				6350	4250	3800	4100	2800	2500				2900	2000	1800	7.50
Rear dozer down					*6900	4400		*5350	2900					*3100	2050	
Dozer and stabilizer down					*6900	6750		*5350	4350					*3100	3100	
2 sets of stabilizers down				*6900	*6900	*6900	*5350	*5350	5000				*3100	*3100	*3100	
1.5 m																
Rear dozer up				6000	3950	3550	3950	2650	2400	2850	1950	1750	2800	1900	1700	7.60
Rear dozer down					*7850	4100		*5750	2750		*4150	2000		*3300	1950	
Dozer and stabilizer down					*7850	6450		*5750	4200		*4150	3050		*3300	2950	
2 sets of stabilizers down				*7850	*7850	7600	*5750	*5750	4850	*4150	*4150	3500	*3300	*3300	*3300	
0.0 m																
Rear dozer up				5850	3800	3400	3850	2550	2300				2850	1950	1750	7.39
Rear dozer down					*8050	3950		*5850	2650					*3650	2000	
Dozer and stabilizer down					*8050	6250		*5850	4100					*3650	3050	
2 sets of stabilizers down				*8050	*8050	7400	*5850	*5850	4750				*3650	*3650	3550	
–1.5 m																
Rear dozer up	*8500	7050	6050	5800	3750	3350	3800	2550	2250				3200	2150	1950	6.83
Rear dozer down		*8500	7250		*7450	3900		*5400	2650					*4350	2250	
Dozer and stabilizer down		*8500	*8500		*7450	6200		*5400	4050					*4350	3400	
2 sets of stabilizers down	*8500	*8500	*8500	*7450	*7450	7350	*5400	*5400	4750				*4350	*4350	3950	
–3.0 m																
Rear dozer up	*7900	7150	6200	5850	3850	3400							*3950	2700	2450	5.83
Rear dozer down		*7900	7400		*5850	3950								*3950	2800	
Dozer and stabilizer down		*7900	*7900		*5850	*5850								*3950	*3950	
2 sets of stabilizers down	*7900	*7900	*7900	*5850	*5850	*5850							*3950	*3950	*3950	

*Limited by hydraulic rather than tipping load.

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

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

Lift Capacities – One-Piece Boom (5050 mm)

All values are in kg, without bucket and without QC, with counterweight (3900 kg), heavy lift on.

 Load at maximum reach (sticknose/bucket pin)

 Load over front

 Load over rear

 Load over side

 Load point height

Long Stick 2600 mm

Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m	Rear dozer up							4300	3000	2700				*2950	2600	2350	6.47
	Rear dozer down								*4350	3100					*2950	2700	
	Dozer and stabilizer down								*4350	*4350					*2950	*2950	
	2 sets of stabilizers down							*4350	*4350	*4350				*2950	*2950	*2950	
4.5 m	Rear dozer up							4250	2950	2650				*2800	2150	1900	7.27
	Rear dozer down								*4800	3050					*2800	2200	
	Dozer and stabilizer down								*4800	4500					*2800	*2800	
	2 sets of stabilizers down							*4800	*4800	*4800				*2800	*2800	*2800	
3.0 m	Rear dozer up				6400	4300	3850	4100	2800	2550	2900	2000	1800	2800	1900	1700	7.69
	Rear dozer down					*6700	4450		*5250	2900		*3900	2050		*2850	1950	
	Dozer and stabilizer down					*6700	*6700		*5250	4350		*3900	3100		*2850	*2850	
	2 sets of stabilizers down				*6700	*6700	*6700	*5250	*5250	5050	*3900	*3900	3550	*2850	*2850	*2850	
1.5 m	Rear dozer up				6050	4000	3550	3950	2700	2400	2850	1950	1750	2700	1800	1650	7.79
	Rear dozer down					*7750	4150		*5700	2750		4300	2000		*3000	1900	
	Dozer and stabilizer down					*7750	6450		*5700	4200		4300	3050		*3000	2850	
	2 sets of stabilizers down				*7750	*7750	7650	*5700	*5700	4900	*4600	4400	3500	*3000	*3000	*3000	
0.0 m	Rear dozer up	*4400	*4400	*4400	5850	3800	3400	3850	2600	2300	2800	1900	1700	2750	1850	1650	7.58
	Rear dozer down		*4400	*4400		*8100	3950		*5850	2650		*4050	1950		*3300	1950	
	Dozer and stabilizer down		*4400	*4400		*8100	6250		*5850	4100		*4050	3000		*3300	2950	
	2 sets of stabilizers down	*4400	*4400	*4400	*8100	*8100	7400	*5850	*5850	4750	*4050	*4050	3450	*3300	*3300	*3300	
–1.5 m	Rear dozer up	*8150	7000	6050	5800	3750	3350	3800	2550	2250				3050	2050	1850	7.04
	Rear dozer down		*8150	7250		*7600	3900		*5500	2600					*3950	2150	
	Dozer and stabilizer down		*8150	*8150		*7600	6200		*5500	4050					*3950	3250	
	2 sets of stabilizers down	*8150	*8150	*8150	*7600	*7600	7350	*5500	*5500	4750				*3950	*3950	3800	
–3.0 m	Rear dozer up	*8450	7150	6150	5850	3800	3400	3850	2600	2300				3800	2550	2300	6.07
	Rear dozer down		*8450	7350		*6150	3950		*4100	2700					*3950	2650	
	Dozer and stabilizer down		*8450	*8450		*6150	*6150		*4100	*4100					*3950	*3950	
	2 sets of stabilizers down	*8450	*8450	*8450	*6150	*6150	*6150	*4100	*4100	*4100				*3950	*3950	*3950	

*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.

M315D Wheel Excavator Specifications

Lift Capacities – Offset Boom (5200 mm)

All values are in kg, without bucket and without QC, with counterweight (3900 kg), heavy lift on.

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

Short Stick 2100 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m	Rear dozer up				*5600	4700	4200	4150	2850	2550				*3550	2650	2350	6.19
	Rear dozer down					*5600	4850		*4900	2900					*3550	2750	
	Dozer and stabilizer down					*5600	*5600		*4900	4450					*3550	*3550	
	2 sets of stabilizers down				*5600	*5600	*5600	*4900	*4900	*4900				*3550	*3550	*3550	
4.5 m	Rear dozer up				*6200	4450	3950	4100	2800	2500				3150	2100	1850	7.02
	Rear dozer down					*6200	4550		*5000	2900					*3250	2150	
	Dozer and stabilizer down					*6200	*6200		*5000	4400					*3250	*3250	
	2 sets of stabilizers down				*6200	*6200	*6200	*5000	*5000	*5000				*3250	*3250	*3250	
3.0 m	Rear dozer up				6150	4000	3550	3950	2600	2350				2800	1850	1600	7.45
	Rear dozer down					*7100	4150		*5300	2700					*3200	1900	
	Dozer and stabilizer down					*7100	6550		*5300	4200					*3200	2950	
	2 sets of stabilizers down				*7100	*7100	*7100	*5300	*5300	4900				*3200	*3200	*3200	
1.5 m	Rear dozer up				5700	3650	3200	3750	2450	2150	2700	1750	1550	2650	1750	1550	7.55
	Rear dozer down					*7650	3750		*5600	2550		*4150	1800		*3300	1800	
	Dozer and stabilizer down					*7650	6150		*5600	4000		*4150	2900		*3300	2850	
	2 sets of stabilizers down				*7650	*7650	7300	*5600	*5600	4700	*4150	*4150	3400	*3300	*3300	*3300	
0.0 m	Rear dozer up				5500	3450	3000	3650	2350	2050				2750	1800	1550	7.34
	Rear dozer down					*7400	3600		*5450	2450					*3600	1850	
	Dozer and stabilizer down					*7400	5950		*5450	3900					*3600	2950	
	2 sets of stabilizers down				*7400	*7400	7100	*5450	*5450	4600				*3600	*3600	3450	
–1.5 m	Rear dozer up	*7350	6550	5600	5500	3450	3000	3600	2350	2050				3100	2000	1750	6.78
	Rear dozer down		*7350	6800		*6400	3600		*4700	2400					*3600	2100	
	Dozer and stabilizer down		*7350	*7350		*6400	5950		*4700	3900					*3600	3300	
	2 sets of stabilizers down	*7350	*7350	*7350	*6400	*6400	*6400	*4700	*4700	4600				*3600	*3600	*3600	
–3.0 m	Rear dozer up				*4500	3600	3150										
	Rear dozer down					*4500	3700										
	Dozer and stabilizer down					*4500	*4500										
	2 sets of stabilizers down				*4500	*4500	*4500										

Medium Stick 2400 mm

	Undercarriage configuration	3.0 m			4.5 m			6.0 m			7.5 m						m
6.0 m	Rear dozer up				*5300	4800	4300	4250	2900	2600				*3000	2450	2200	6.52
	Rear dozer down					*5300	4900		*4750	3000					*3000	2500	
	Dozer and stabilizer down					*5300	*5300		*4750	4500					*3000	*3000	
	2 sets of stabilizers down				*5300	*5300	*5300	*4750	*4750	*4750				*3000	*3000	*3000	
4.5 m	Rear dozer up				*5950	4500	4050	4150	2800	2500				*2800	1950	1750	7.31
	Rear dozer down					*5950	4650		*4850	2900					*2800	2000	
	Dozer and stabilizer down					*5950	*5950		*4850	4450					*2800	*2800	
	2 sets of stabilizers down				*5950	*5950	*5950	*4850	*4850	*4850				*2800	*2800	*2800	
3.0 m	Rear dozer up				6200	4050	3600	3950	2650	2350	2750	1800	1600	2650	1700	1500	7.73
	Rear dozer down					*6900	4200		*5150	2750		*4150	1900		*2750	1800	
	Dozer and stabilizer down					*6900	6650		*5150	4250		*4150	2950		*2750	*2750	
	2 sets of stabilizers down				*6900	*6900	*6900	*5150	*5150	4950	*4150	*4150	3450	*2750	*2750	*2750	
1.5 m	Rear dozer up				5750	3650	3200	3750	2450	2150	2700	1750	1550	2500	1650	1450	7.83
	Rear dozer down					*7600	3800		*5500	2550		4200	1800		*2850	1700	
	Dozer and stabilizer down					*7600	6150		*5500	4050		4200	2900		*2850	2700	
	2 sets of stabilizers down				*7600	*7600	7350	*5500	*5500	4700	*4300	*4300	3350	*2850	*2850	*2850	
0.0 m	Rear dozer up				5500	3450	3000	3600	2300	2050	2650	1700	1500	2600	1650	1450	7.62
	Rear dozer down					*7500	3550		*5450	2400		*4050	1750		*3100	1750	
	Dozer and stabilizer down					*7500	5950		*5450	3900		*4050	2850		*3100	2750	
	2 sets of stabilizers down				*7500	*7500	7100	*5450	*5450	4600	*4050	*4050	3300	*3100	*3100	*3100	
–1.5 m	Rear dozer up	*7250	6450	5450	5450	3400	2950	3600	2300	2000				2850	1850	1650	7.08
	Rear dozer down		*7250	6650		*6650	3550		*4900	2400					*3550	1950	
	Dozer and stabilizer down		*7250	*7250		*6650	5900		*4900	3850					*3550	3100	
	2 sets of stabilizers down	*7250	*7250	*7250	*6650	*6650	*6650	*4900	*4900	4550				*3550	*3550	*3550	
–3.0 m	Rear dozer up				*4950	3500	3050	*3200	2400	2100							
	Rear dozer down					*4950	3650		*3200	2500							
	Dozer and stabilizer down					*4950	*4950		*3200	*3200							
	2 sets of stabilizers down				*4950	*4950	*4950	*3200	*3200	*3200							

*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.

M315D Wheel Excavator Standard Equipment

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

ELECTRICAL

- Alternator, 75 A
- Lights
  - Boom working light
  - Cab interior light
  - Roading lights two front
  - Roading lights two rear
  - Rotating beacon on cab
  - Working lights, cab mounted (front and rear)
- Main shut-off switch
- Maintenance free batteries
- Signal/warning horn

ENGINE

- Automatic engine speed control
- Automatic starting aid
- Cat C4.4 with ACERT Technology EU Stage IIIB certified
- Fuel/water separator with level indicator

HYDRAULICS

- Heavy lift mode
- Load-sensing Plus hydraulic system
- Lowering control devices for boom and stick
- Manual work modes (economy, power)
- Separate swing pump
- Stick regeneration circuit

OPERATOR STATION

- Adjustable hydraulic sensitivity
- 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
- Ash tray with cigarette lighter (24 volt)
- Beverage cup/can holder
- Bolt-on FOGS capability
- Bottle holder
- Bottom mounted parallel wiping system that covers the upper and lower windshield glass
- Camera mounted on counterweight displays through cab monitor
- Coat hook
- Floor mat, washable, with storage compartment
- Fully adjustable suspension seat
- Instrument panel and gauges
  - Information and warning messages in local language
  - Gauges for fuel level, engine coolant, Diesel Exhaust Fluid (DEF) and hydraulic oil temperature
  - Filters/fluids change interval
  - Indicators for headlights, turning signal, low fuel, engine dial setting
  - Clock with 10-day backup battery
- Laminated front windshield
- Left side console, tiltable, with lock out for all controls
- Literature compartment behind seat
- Literature holder in right console
- Mobile phone holder
- Parking brake
- Positive filtered ventilation
- Power supply, 12V-7A
- Rear window, emergency exit
- Retractable seat belt
- Skylight
- Sliding door windows
- Steering column, tiltable
- Storage area suitable for a lunch box
- Sunshade for windshield and skylight
- Travel speed lock

UNDERCARRIAGE

- Heavy-duty axles, advanced travel motor, adjustable braking force
- Oscillating front axle with remote greasing
- Tires, 10.00-20 16 PR, dual
- Tool box in undercarriage
- Two-piece drive shaft

OTHER EQUIPMENT

- Automatic swing brake
- Counterweight, 3500 kg
- Mirrors, frame and cab
- Product Link ready
- Cat Machine Security System
- Cat Product Link

M315D Wheel Excavator Optional Equipment

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

AUXILIARY CONTROLS AND LINES

- Auxiliary boom and stick lines
- Anti-drift valves for tool control/ multi-function circuits
- Basic control circuits:
  - Medium pressure
    - Two-way, medium pressure circuit, for rotating or tilting of work tools
  - Tool control/multi function
    - One/two-way high pressure for hammer application or opening and closing of a work tool
    - Programmable flow and pressure for up to 10 work tools – selection via monitor
  - Second high pressure
    - Additional two-way, high pressure circuit, for tools requiring a second high or medium pressure function
    - Quick coupler control
- Cat BIO HYDO Advanced HEES biodegradable hydraulic oil
- SmartBoom

FRONT LINKAGE

- Booms
  - One-piece boom, 5050 mm
  - VA boom (two piece), 5200 mm
  - Offset boom, 5200 mm
- Bucket linkage with diverter valve
- Sticks
  - 2100, 2400, 2600 mm

ELECTRICAL

- Travel alarm with three selectable modes
- Heavy-duty maintenance free batteries
- Refueling pump

OPERATOR STATION

- Falling objects guard
- Joystick steering
- CD/MP3 Radio (12V) at rear location including speakers and 12V converter
- Seat, adjustable high-back
  - mechanical suspension
  - air suspension (vertical)
  - deluxe with headrest, air suspension
- Vandalism guards
- Visor for rain protection
- Windshield
  - One-piece high impact resistant
  - 70/30 split, openable

UNDERCARRIAGE

- Dozer blade, front or rear mounted
- Outriggers, front and/or rear mounted
- Second tool box for undercarriage
- Spacer rings for tires

OTHER EQUIPMENT

- Auto-lube system (implements and swing gear)
- Counterweight, 3900 kg
- Mirrors heated, frame and cab
- Ride Control
- Tires (see Tire Specifications)

Notes

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

AEHQ7035 (04-2013)
(Europe)