

Cat® C4.4 engine with ACERT™ Technology	
Net power (ISO 9249) at 2000 rpm	101 kW/137 hp
Operating weight	16 100 to 18 300 kg
Bucket capacities	0.38 to 1.26 m ³
Maximum reach at ground level	9380 mm
Maximum digging depth	6090 mm
Maximum travel speed	34 km/h

M315D Wheel Excavator

The D Series incorporates innovations for improved performance and versatility.

Engine

✓ Caterpillar's exclusive ACERT[™] Technology surpasses the most stringent emissions requirements in the construction industry. The EU Stage IIIA compliant C4.4 offers increased performance and reliability while reducing fuel consumption and sound levels. pg. 4

Environmentally Responsible Design

✓ Helping to protect our environment, the engine has low operator and spectator sound levels, longer filter change intervals and is more fuelefficient. pg. 4

Increased lifting capacity, improved cycle times and ease of operation lead to increased productivity and lower operating costs.

Hydraulics

✓ The state of the art load-sensing hydraulic system combined with a separate dedicated swing pump provides fast cycle times, increased lift capacity and high bucket and stick forces. This combination maximizes your productivity in any job. pg. 5

Operator Comfort

✓ The totally redesigned 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 new color monitor and optional rear-mounted camera. pg. 6



✓ More productive. Faster cycle times for truck loading and rock scraping. Maintains optimum hammering frequency for effective, steady productivity. **pg. 5**

M315D

PA



Undercarriage

Various undercarriage configurations are available to provide the best solution for your work environment; these configurations can include a dozer blade and/or outriggers depending on your needs. **pg. 8**

Booms and Sticks

Caterpillar[®] excavator booms and sticks are built for performance and long service life. The box section design provides the strength needed for even the toughest applications. Multiple boom and stick options allow you to pick the best match for your job. **pg. 8**

Work Tools

The combination of Caterpillar machines and work tools provide a total solution for any application. A variety of couplers, buckets, hammers, grapples, shears, multi-processors to name a few are offered to optimize your machine's versatility. **pg. 9**

Versatility

Caterpillar offers a wide variety of factory-installed attachments that enhance performance and job site management. **pg. 12**

Serviceability

For increased safety, all daily maintenance points are accessible from ground level. A centralized greasing system allows lubrication of critical points. **pg. 10**

Complete Customer Service

Your Cat[®] dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. Your dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement. **pg. 10**



Engine

Built for power, reliability, low maintenance, excellent fuel economy and low emissions.



Powerful Performance.

The Cat C4.4 engine with ACERT Technology introduces a series of evolutionary, incremental improvements that provide breakthrough engine performance. The building blocks of ACERT Technology are fuel delivery, air management and electronic control. ACERT Technology optimizes engine performance while meeting EU Stage IIIA engine emission regulations. The Cat C4.4 engine in the M315D delivers a maximum gross power of 108 kW at a rated speed of 2000 rpm. This is 13% more horsepower as compared to the 3054E in the M315C.

Low Fuel Consumption.

The C4.4 is electronically controlled and uses the new Cat Common Rail Fuel System and fuel pump. This combination provides outstanding fuel consumption during both production and travel. When the system recognizes roading application the engine will operate at the most efficient system operating point to save fuel without compromising road performance.

Low Noise, Low Vibration.

The Cat C4.4 design improves operator comfort by reducing sound and vibration.

Cooling System.

An electronically controlled, hydraulic motor drives a variable speed on-demand fan for engine coolant and hydraulic oil. The optimum fan speed is determined based on coolant and hydraulic oil temperature resulting in reduced fuel nsumption and lower sound levels. The electronic engine control continuously compensates for the varying fan load, providing consistent net power, regardless of operating conditions.

One-Touch Low Idle Control.

The two stage, one-touch Automatic Engine Speed Control reduces engine speed if no operation is performed, maximizing fuel efficiency and reducing sound levels.

Environmentally Responsible Design

The M315D helps build a better world and preserve the fragile environment.

Fuel Efficiency. The D-Series Wheel Excavators are designed for outstanding performance with high fuel efficiency. This means more work done in a day, less fuel consumed and minimal impact on our environment.

Low Exhaust Emissions. The EU Stage IIIA compliant Cat C4.4 offers increased performance and reliability while reducing fuel consumption and sound levels. **Quiet Operation.** Operator and spectator noise levels are extremely low as a result of the new variable speed fan and remote cooling system.

Biodegradable Hydraulic Oil.

The optional biodegradable hydraulic oil (HEES[™]) is formulated to provide excellent high-pressure and high temperature characteristics, and is fully compatible with all hydraulic components. HEES is fully decomposed by soil or water microorganisms, providing a more environmentally sound alternative to mineral-based oils. **Fewer Leaks and Spills.** Lubricant fillers and drains are designed to minimize spills. Cat O-Ring Face Seals, Cat XT[™] Hose and hydraulic cylinders are all designed to help prevent fluid leaks that can reduce the machine performance and cause harm to the environment.

Longer Service Intervals. Working closely with your Caterpillar Dealer can help extend service intervals for engine oil, hydraulic oil, axle oil and coolant. Meaning fewer required fluids and fewer disposal, all adding up to lower operating costs.

Hydraulics

Load-sensing hydraulic system provides fast cycle times, increased lift capacity and high bucket and stick forces to maximize your productivity in any job.

Dedicated Swing Pump. A dedicated variable displacement piston pump and fixed displacement piston motor power the swing mechanism. This closed hydraulic circuit maximizes swing performance without reducing power to the other hydraulic functions, resulting in smoother combined movements.

Heavy Lift Mode. This mode maximizes lifting performance by boosting the lifting capability of the excavator by 7%. Heavy loads can be easily moved in the full working range of the machine, maintaining excellent stability.

Adjustable Hydraulic Sensitivity.

This function allows the operator to adjust the aggressiveness of the machine according to the application. For precision work, one of four different levels of aggressiveness can be preselected.

Proportional Auxiliary Hydraulics.

Versatility of the hydraulic system can be expanded to utilize a wide variety of hydraulic work tools using multiple valve options.

 The Multi-Combined Valve is the core of the Tool Control System, allowing the operator to select up to ten preprogrammed work tools from the monitor. These preset hydraulic parameters support either one-way or two-way flow. The joystick sliding switches allow modulated control of the work tool.



- A dedicated Hammer circuit is the best option for tools that require one-way flow only, and do not require the flexibility provided by the Multi-Combined Valve.
- The Medium Pressure Function Valve provides proportional flow that is ideal for tilting buckets or rotating tools.
- A new feature for the D-Series Wheel Excavators is the optional second High Pressure valve. In combination with the Multi-Combined Valve, it provides the possibility to operate the machine with work tools or in applications requiring a third auxiliary hydraulic function, such as a tilting/rotating quick coupler.



Stick Regeneration Circuit. The stick regeneration circuit increases efficiency and helps increase controllability for higher productivity and lower operating costs.

Quick Coupler. The machine can be optionally equipped with a dedicated hydraulic circuit to operate hydraulic quick couplers.

Hydraulic Snubbers. Caterpillar integrates its cylinder snubber technology into all Wheel Excavator boom, stick and bucket cylinders. These snubbers help cushion shocks, reduce sound and increase cylinder life.

Caterpillar XT-6 ES Hoses. Premium quality rubber, precision 4-ply wire reinforcement and exclusive reusable couplings are all unique features that deliver top performance and long life.

SmartBoom. Reduces stress and vibrations transmitted to the machine and provides a more comfortable environment.



Rock Scraping. Scraping rock and finishing work is easy and fast. SmartBoom simplifies the task and allows the operator to concentrate on stick and bucket, while 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.

Operator Comfort

The interior layout maximizes operator space, provides exceptional comfort and reduces operator fatigue.



Interior Operator Station. Improved visibility and ergonomics are some of the many new features of the D-Series Wheel Excavators. The pressurized operator station provides maximum space and is designed for simplicity and functionality. Frequently used switches are centralized and are situated on the right-hand switch console. The left-hand seat console controls dozer blade and/or outriggers, and is tiltable for easy access to the cab. The fully automatic climate control adjusts temperature and air flow for exceptional operator comfort. Other comfort features include a cigar lighter, ashtray, cup/can holder, magazine rack and integrated mobile phone holder.

Cab Construction. The exterior design uses thick steel tubing along the bottom perimeter of the cab, improving the resistance to fatigue and vibration. This design allows the falling object guards to be bolted directly to the cab. The cab shell is attached to the frame with rubber mounts that limit vibration and sound transmitted from the frame, substantially reducing interior noise levels.





Viewing Area. To maximize visibility, all glass is affixed directly to the cab, eliminating the use of window frames. Choice of fixed or easy-to-open split front windshield meet operator preference and application conditions.

- The 50/50 split front windshield allows both upper and lower portions to be stored in an overhead position and features the one-touch action release system.
- The 70/30 split front windshield stores the upper portion above the operator. The lower front windshield features a rounded design to maximize downward visibility and improves wiper coverage. Also features the one-touch action release system.
- The fixed front windshield comes with high impact resistant laminated glass.
- A unique large skylight without cross bar provides superb upward visibility. The retractable sunscreen blocks direct sunlight.



Monitor. The new compact color monitor displays information in local language that is easy to read and understanding. Functions include:

- 5 programmable "Quick Access" buttons for one-touch selection of favorite functions.
- Filter and oil change warnings are displayed when the number of hours reaches the maintenance interval.
- Tool select function allows the operator to select up to 10 pre-defined hydraulic work tools.
- Adjustable braking characteristics enable the operator to select three levels of travel motor retarder aggressiveness when releasing the travel pedal.
- Provides a rear camera view that is activated through the monitor menu. The optional camera is mounted on the counterweight.





New Deluxe Seat. The new optional deluxe seat, equipped with an active seat climate system, improves operator comfort. Cooled air flows through the seat cushions to reduce body perspiration. On cold days, a two-step seat heater keeps the operator warm and comfortable. The fully adjustable seat with adjustable lumbar support automatically adjusts to the driver's weight providing a more relaxed and comfortable environment.

Heated Mirrors. Another new feature is electrically heated mirrors, increasing safety and visibility in cold conditions.

Wipers. The parallel wiper system maximizes visibility in poor weather conditions. The wiper virtually covers the entire front windshield, cleaning the operator's immediate line of sight.







Lunch Box. A large, cooled storage compartment is located behind the operator's seat. The compartment provides sufficient room to store items such as a lunch box. An optional cover secures the contents during machine operation.

Foot Pedals. Two-way pedals for travel and auxiliary circuits provide increased floor space, reducing the need to change positions. The foot pedal for auxiliary high-pressure circuit can be locked in the off position and used as a footrest for greater operator comfort.

Undercarriage

Undercarriage and axle design provides maximum strength, flexibility and mobility on wheels.





Heavy-Duty Axles and Stabilizers.

The D-Series undercarriage with pin on/ bolt on design provides excellent flexibility, rigidity and long life. Effective hydraulic line routing, transmission protection and heavy-duty axles make the undercarriage perfect for wheel excavator applications. The front axle offers wide oscillating and steering angles. The transmission is mounted directly on the rear axle for protection and optimum ground clearance.

Advanced Disc Brake System.

The disc brake system acts directly on the hub instead of the drive shaft to avoid planetary gear backlash. This solution eliminates the rocking effect associated with working free on wheels. The axle design lowers maintenance and lifetime costs. Oil change intervals are at 2000 working hours, further reducing owning and operating costs. **Fenders.** The optional fenders provide excellent coverage of the front and rear tires, protecting the machine from mud and dirt. Water cannot splash up on the windscreen or cooler. The fenders further protect the machine from stones and debris being thrown up by the tires, providing additional safety for the machine, other vehicles and personnel working close to the excavator.

Adjustable Travel Alarm. An adjustable travel alarm is available to warn people when the machine is moving. Three settings can be selected through the monitor:

- Auto mode alarm will stop sounding immediately when the machine is no longer traveling, or has been sounding for an uninterrupted 10-second interval.
- Standard mode alarm operates constantly during moving, with only manual cancellation.
- Off mode travel alarm is disabled.

Booms and Sticks

Designed for maximum flexibility to keep production high on all jobs.



Design. Booms and sticks are welded, box section structures with thick, multiplate fabrications in high stress areas, for rugged performance and long service life.

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



Variable Adjustable (VA) Boom. The VA boom offers improved right side visibility and machine roading balance. When working in tight quarters or lifting heavy loads, the VA boom offers the best flexibility.

One-Piece Boom. The 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.

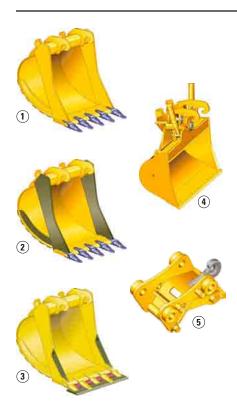
Offset Boom. The large offset dimensions (left/right 2460/2760 mm) allow you to dig along walls, over obstacles, to grade while driving, and to dig under laid tubes without damaging them. The combination with a tiltable ditch cleaning bucket lets you operate a highly versatile system.

Sticks. Four different stick lengths are offered to match different application requirements:

- 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 requirements.
- Industrial stick (3100 mm) for use with free-swinging grapples in material handling and industrial applications.

Work Tools

A wide variety of Work Tools help optimize machine performance. Purpose designed and built to Caterpillar's high durability standards.



Work Tools. Caterpillar work tools are designed to function as an integral part of your excavator and to provide the best possible performance in your particular application. All work tools are performance-matched to Cat machines.

Quick Couplers. Quick Couplers enable the operator to simply release one work tool and connect to another, making your hydraulic excavator highly versatile. Productivity also increases, as a carrier no longer needs to be idle between jobs. Caterpillar offers hydraulic and spindle quick coupler versions.

Buckets. Caterpillar offers a wide range of specialized buckets, each designed and tested to function as an integral part of your excavator. Buckets feature the new Caterpillar K Series[™] Ground Engaging Tools.

- 1 Excavation (X)
- 2 Extreme Excavation (EX)
- 3 Excavation Leveling
- 4 Ditch Cleaning
- 5 Quick Coupler





Hammers. Cat hammer series deliver very high blow rates, increasing the productivity of your tool carriers in demolition and construction applications. Wide oil flow acceptance ranges make the Caterpillar hammers suitable for a wide range of carriers and provide a system solution from one safe source.

Orange Peel Grapples. The Orange Peel Grapple is constructed of high-strength, wear-resistant steel, with a low and compact design that makes it ideal for dump clearance. There are several choices of tine and shell versions.

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.

Multi-Processors. Thanks to its single basic housing design, the Multi-Processor series of hydraulic demolition equipment makes it possible to use a range of jaw sets that can handle any demolition job. The Multi-Processor is the most versatile demolition tool on the market.

Vibratory Plate Compactors.

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

Shears. Cat shears provide superior and effective scrap processing, and are highly productive in demolition environments. Shears are compatible with a matching Cat excavator, and bolt-on brackets are available for either stick or boom-mounted options.

Serviceability and Complete Customer Support

Simplified and easy maintenance save you time and money. Cat dealer services help you operating longer with lower costs.





Ground Level Maintenance. Caterpillar designed its D-Series Wheel Excavators with the operator and service technician in mind. Gull-wing doors, with pneumatically-assisted lift cylinders, effortlessly lift up to allow critical maintenance to be performed quickly and efficiently while maintaining operator safety.

Extended Service Intervals. The D Series Wheel Excavator service and maintenance intervals have been extended to reduce machine service time, increase machine availability and reduce operating costs. Using S•O•S Scheduled Oil Sampling analysis, hydraulic oil change intervals can be extended up to 4000 hours. Engine coolant change intervals are 12 000 hours with Cat Extended Life Coolant.

Engine Oil. Caterpillar engine oil is formulated to optimize engine life and performance. The specially formulated oil is more cost effective and increases engine oil change interval to 500 hours, providing industry leading performance and savings.

Self-Monitoring System with Auto-

Diagnostics. The electronic engine and machine controllers provide detailed diagnostic capability for the service technicians. The ability to store active and intermittent indicators simplifies problem diagnosis and reduces total repair time, resulting in improved machine availability and lower operating cost. **Air Filters.** Caterpillar air filters eliminate the use of service tools, reducing maintenance time. The air filter features a double-element construction with wall flow filtration in the main element and built-in mini-cyclone precleaners for superior cleaning efficiency. The air filters are constantly monitored for optimum performance. If airflow becomes restricted, a warning is displayed by the way of the in-cab monitor.

Capsule Filter. The hydraulic return filter, a capsule filter, prevents contaminants from entering the system when the hydraulic oil is changed.

Fuel Filters. Cat high efficiency fuel filters with a Stay-Clean Valve[™] features a special media that removes more than 98% of particles, increasing fuel injector life. Both the primary and secondary fuel filters are located in the engine compartment and can be easily changed from ground level.

Water Separator. The D Series is equipped with a primary fuel filter with water separator located in the engine compartment. For ease of service, the water separator can be easily accessed from ground level.

Fuel Tank Drain. The durable, corrosionfree tank has a remote drain located at the bottom of the upper frame to remove water and sediment. The tank drain with hose connection allows simple, spill-free fluid draining.



Front Compartment. The front compartment hood can be opened vertically, providing outstanding ground level access to the batteries, air-to-air after cooler, air conditioner condenser and the air cleaner filter.

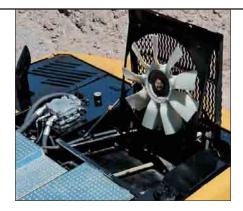
Swing-out Air Conditioner Condenser.

The Air Conditioning condenser swings out horizontally to allow complete cleaning on both sides as well as excellent access to the air-to-air aftercooler.

Scheduled Oil Sampling. Caterpillar has specially developed S•O•S Oil Sampling Analysis to help ensure better performance, longer life and increased customer satisfaction. This thorough and reliable early warning system detects traces of metals, dirt and other contaminants in your engine, axle and hydraulic oil. It can predict potential trouble avoiding costly failures. Your Caterpillar dealer can give you results and specific recommendations shortly after receiving your sample.

Engine Inspection. The engine can be accessed from both ground level and the upper structure. The longitudinal layout ensures that all daily inspection items can be accessed from ground level.

Anti-Skid Plates. They cover the top of the steps and upper structure to help prevent slipping during maintenance. The Anti-Skid plates reduce the accumulation of mud on the upper structure, improving the cleanliness and safety.



Easy to Clean Coolers. Flat fins on all coolers reduce clogging, making it easier to remove debris. The main cooling fan and air conditioner condenser are both hinged for easier cleaning.

Remote Greasing Blocks. For those hard to reach locations, greasing blocks have been provided to reduce maintenance time. One block is located in the engine compartment with two grease points for the swing bearing and front-end attachment. For the undercarriage, two remote blocks provide easy access for greasing the oscillating axle and, as an option, the dozer blade.

New LED Rear Lights. Optional Light Emitting Diode (LED) rear lights replace the standard lights, for increased visibility on the job site, higher durability and longer life.





New Auto-Lube System. The new automatic lubrication system provides the optimal amount of grease to all the main lubrication points, including the bucket linkage. The lubrication interval can be adjusted through the monitor, and status messages for the auto-lube system are displayed.

Handrails and Steps. Large handrails and steps assist the operator in climbing on and off the machine.

Storage Box. There are two tool boxes integrated in the steps of the under-carriage. Additionally, there is a water-proof storage box integrated into the upper structure steps.

Product Support. You will find nearly all parts requirements at your local Caterpillar dealer parts counter. Cat dealers utilize a world-wide network to find in-stock parts to minimize your downtime. To save money use genuine Cat Reman parts. You will receive the same warranty and reliability as new products at a substantial cost savings.

Selection. Make detailed comparisons of the machines you are considering before you buy. How long do components last? What is the cost of preventive



maintenance? Your Cat dealer can give you precise answers to these questions to make sure you operate your machines at the lowest cost.

Purchase. Consider the financing options available as well as day-to-day operating costs. This is also the time to look at dealer services that can be included in the cost of the machine to yield lower equipment and owning and operating costs over the long run.

Operation. Improving operating techniques can boost your profits. Your Cat dealer has videotapes, literature and other ideas to help you increase productivity, and Caterpillar offers certified operator training classes to help maximize the return on your machine investment.

Maintenance. More and more equipment buyers are planning for effective maintenance before buying equipment. Choose from your dealer's wide range of maintenance services at the time you purchase your machine. Repair option programs guarantee the cost of repairs up front. Diagnostic programs such as S•O•S Fluid Analysis and Technical Analysis help you avoid unscheduled repairs.

Replacement. Repair, rebuild or replace? Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Versatility

A wide variety of optional factory-installed attachments are available to enhance performance and improve job site management.



Tool Control. The integrated Tool Control system allows the operator to select up to 10 pre-set combinations. This eliminates the need to re-set the hydraulic parameters each time a tool is changed. Individual flow and pressure can be programmed easily as well as one-way/two-way hydraulic functions. Each of the ten-programmed tools can even be given a specific name. The unique Cat proportional sliding switches and optional auxiliary pedal provide modulation to the tool to make precision work easy.

Joystick Steering. The unique joystick steering option enables an operator to reposition the machine while traveling in first gear by the use of the slider switch on the right joystick. This enables the operator to keep both hands on the joysticks while simultaneously moving the implements and traveling. The operator can do more precise work faster with increased safety around the machine. **Control Settings.** There are 2 selectable control settings and one automatic travel setting. The new automatic travel mode is activated with a button in the right hand console. In this setting, the transmission will automatically shift up or down, depending on the speed conditions. The operator can choose the best power setting for both engine and hydraulic power versus fuel efficiency.

- Economy Mode used for lifting, pipe setting, grading, slope finishing and precise work while reducing fuel consumption.
- Power Mode used for normal truck loading and digging applications, trenching or hammer use.
- Travel Mode automatically set when the travel pedal is actuated. It provides maximum speed and drawbar pull.

Product Link. Product Link can assist with Fleet Management to keep track of hours, location, security and product health. The machine is pre-wired to accept Product Link systems to be installed in the field. Product Link is also available as a factory installed attachment.

Machine Security. An optional Machine Security System is available from the factory. This system controls who can operate the machine when, and utilizes specific keys to prevent unauthorized machine use.

Ride Control. New for the D Series, the ride control system improves operator comfort and allows the machine to travel faster over rough terrain with improved ride quality for the operator. The ride control system features accumulators

acting as shock absorbers to dampen the front part motion. Ride control can be activated through a button located on the soft switch panel in the cab.



Engine

Cat C4.4 with ACEF	RT Technology
Ratings	2000 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 liters
Cylinders	4
3.4	1400 550 N

Maximum torque at 1400 rpm 550 Nm

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

Transmission

	km/h
Forward/reverse	
1st gear	8
2nd gear	34
Creeper speed	
1st gear	3
2nd gear	13
Drawbar pull	97 kN
Maximum Gradeability	69%

Hydraulic System

Tank capacity	135 liters
System	220 liters
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	50 l/min
Swing mechanism	80 l/min

Swing Mechanism

Swing speed	10.5 rpm
Swing torque	40 kNm

Tires

Standard

• 10.00-20 (dual pneumatic)

Optional

- 11.00-20 (dual pneumatic)
- 18 R 19.5 XF (single pneumatic)
- 600/40-22.5 (single pneumatic)
- 10.00-20 (dual solid rubber)

Service Refill Capacities

	Liter
Fuel tank	235
Cooling	30
Engine crankcase	8
Rear axle housing (differential)	14
Front steering axle (differential)	10.5
Final drive	2.5
Powershift transmission	2.5

Weights

VA boom*	kg
rear dozer only	15 700
rear dozer, front outriggers	16 650
front and rear outriggers	16 950
One-piece boom*	
rear dozer only	15 250
rear dozer, front outriggers	16 200
front and rear outriggers	16 500
Offset boom*	
rear dozer only	16 200
rear dozer, front outriggers	17 150
front and rear outriggers	17 450

Cab

FOGS meets ISO 10262.

Sound Levels

Operator Sound

The operator sound level measured according to the procedures specified in ISO 6394:1998 is 72 dB(A), for cab offered by Caterpillar, when properly installed and maintained and tested with the doors and windows closed.

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).

Undercarriage

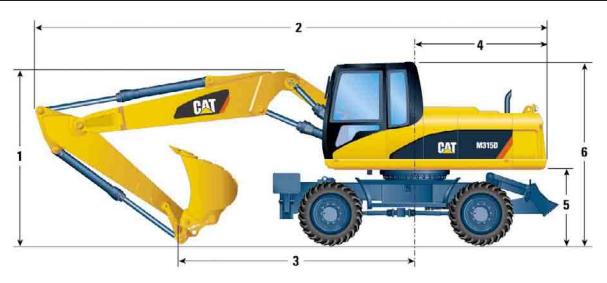
	mm
Ground clearance	370
Maximum steering angle	35°
Oscillation axle angle	± 9°
Minimum turning radius	
Standard axle	
outside of tire	6300
end of VA boom	6900
end of one-piece boom	8300
Wide axle	
outside of tire	6500
end of VA boom	7100
end of one-piece boom	8400

kg
470
514
530
450
750
960
3500
3900

Machine weight with medium stick, 3900 kg counterweight, full fuel tank and operator, without work tool.

Dimensions

All dimensions are approximate.



			VA E	Boom			One-pie	Offset Boom				
Stick length	mm	2100	2400	2600	*3100	2100	2400	2600	*3100	2100	2400	
1 Shipping height	mm	3150	3150	3150	3150	3150	3150	3150	3150	3150	3150	
2 Shipping length	mm	8480	8480	8470	8450	8320	8330	8330	8350	8480	8470	
3 Support point	mm	3910	3660	3560	3640	3560	3280	3160	3240	4030	3780	
4 Tail swing radius	mm		22	15			22	2215				
5 Counterweight clearance	mm		12	.60			12	.60		1260		
6 Cab height	mm		31	50			31	3150				
with 1200 mm fixed cab riser	mm		43	50			43	4350				
Overall machine width	mm		25	50			25	50		2550		
Wide gauge axle	mm		27	50			27	50		2750		



Undercarriage with dozer only





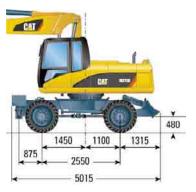
Undercarriage with 2 sets of outriggers



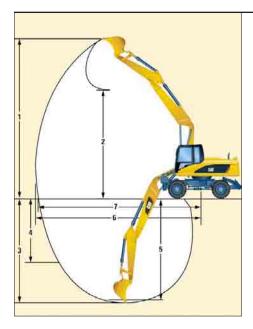
* Industrial stick

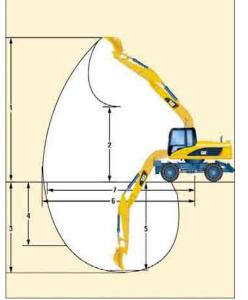


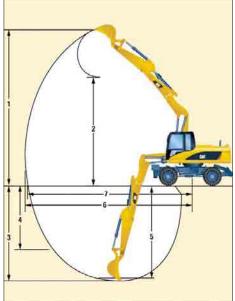
Undercarriage with 1 set of outriggers and dozer



Working Ranges







			VA E	Boom			One-pie	Offset Boom			
Stick length	mm	2100	2400	2600	*3100	2100	2400	2600	*3100	2100	2400
1 Digging height	mm	10040	10230	10380	8950	8980	9070	9190	7700	10040	10230
2 Dump height	mm	6950	7140	7300	3960	6000	6110	6230	3200	6950	7140
3 Digging depth	mm	5590	5890	6090	5040	5390	5690	5890	4840	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	8370	8900	9160	9350	8130	9100	9360
7 Reach at ground level	mm	8910	9190	9380	8170	8710	8970	9170	7920	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.

* Industrial stick has no bucket linkage.

All dimensions refer to sticknose.

Bucket Specifications

Contact your Caterpillar dealer for special bucket requirements.

Pin-on Buckets								Var	iable		ustab) mm	le B	oom								One	-pie 5050	ce Bo mm	oom				
Stick length						2100) mm			2400) mm			2600	mm			2100) mm			2400	mm			2600) mm	
	width	죠 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	set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized
	600	459	0.38	3	ш		-	ш	ш		-	ш.	ш		1	ш	ш		-	ш	ш		-	ш	ш		-	ш
	750	495	0.50	3																								
	900	557	0.65	4																								
Excavation	1000	591	0.75	4																								
Excavation	1100	622	0.84	4																								
	1200	668	0.94	5																								
	1300	699	1.03	5																								
	1400 1200	731 702	1.13 0.94	5 5																								
Extreme Excavation	1300	735	1.03	5																					-			
	600	485	0.41	3																								
	750	529	0.56	3																								
	800	547	0.61	3																								
Excavation	900	596	0.70	4																								
(leveling)	1000	636	0.82	4																								
-	1100	672	0.92	4																								
	1200	725	1.04	5													-											
	1300 1400	762 798	1.14 1.26	5 5					<u> </u>																			
Extreme Excavation (leveling)	1200	757	1.04	5																								
	1800	505	0.73																									
Ditch Cleaning	2000	540	0.83																									
Tiltable Ditch		815	0.61																									
Cleaning	2000	855	0.68																									
CW Quick Coupl	ler B	ucke	ets																									
•	600	468	0.38	3																								
	750	504	0.52	3																								
	900	534	0.65	4																								
Excavation	900 1000	534 568	0.65 0.75	4																								
Excavation	1000 1100	568 600	0.75 0.84	4 4																								
Excavation	1000 1100 1200	568 600 645	0.75 0.84 0.94	4 4 5																								
Excavation	1000 1100 1200 1300	568 600 645 676	0.75 0.84 0.94 1.03	4 4 5 5																								
Excavation	1000 1100 1200 1300 1400	568 600 645 676 708	0.75 0.84 0.94 1.03 1.13	4 4 5 5 5 5																								
Excavation Extreme Excavation	1000 1100 1200 1300 1400 1200	568 600 645 676 708 679	0.75 0.84 0.94 1.03 1.13 0.94	4 5 5 5 5 5																								
	1000 1100 1200 1300 1400	568 600 645 676 708	0.75 0.84 0.94 1.03 1.13	4 4 5 5 5 5																								
	1000 1100 1200 1300 1400 1200 1300	568 600 645 676 708 679 712	0.75 0.84 0.94 1.03 1.13 0.94 1.03	4 5 5 5 5 5 5																								
	1000 1100 1200 1300 1400 1200 1300 600 750 800	568 600 645 676 708 679 712 498 547 526	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61	4 5 5 5 5 5 3 3 3 3																								
Extreme Excavation	1000 1100 1200 1300 1400 1200 1300 600 750 800 900	568 600 645 676 708 679 712 498 547 526 575	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.94 1.03 0.41 0.56 0.61 0.70	4 5 5 5 5 5 3 3 3 3 4																								
Extreme Excavation	1000 1100 1200 1300 1400 1200 1300 600 750 800 900 1000	568 600 645 676 708 679 712 498 547 526 575 614	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82	4 5 5 5 5 3 3 3 3 4 4																								
Extreme Excavation	1000 1100 1200 1300 1400 1200 1300 600 750 800 900 1000 1100	568 600 645 708 679 712 498 547 526 575 614 651	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92	4 5 5 5 5 3 3 3 3 4 4 4 4																								
Extreme Excavation	1000 1100 1200 1300 1200 1300 1300 600 750 800 900 1000 1100 1200	568 600 645 676 708 679 712 498 547 526 575 614 651 704	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04	4 5 5 5 5 3 3 3 3 4 4 4 4 5																								
Extreme Excavation	1000 1100 1200 1300 1200 1300 600 750 800 900 1000 1100 1200 1300	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14	4 5 5 5 5 5 3 3 3 3 3 4 4 4 4 5 5 5																								
Extreme Excavation	1000 1100 1200 1300 1200 1300 600 750 800 900 1000 1100 1200 1300	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741 777	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04	4 5 5 5 5 3 3 3 3 4 4 4 4 5																								
Extreme Excavation Excavation (leveling)	1000 1100 1200 1300 1200 1300 600 750 800 900 1000 1000 1100 1200 1300 1400	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14 1.26	4 5 5 5 5 5 5 3 3 3 3 3 3 4 4 4 4 5 5 5 5																								
Extreme Excavation Excavation (leveling) Extreme Excavation	1000 1100 1200 1300 1400 1200 1300 600 750 800 900 1000 1100 1200 1300 600 750 800 900 1000 1100 1200 1300 1400 600	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741 777 523	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14 1.26 0.41	4 5 5 5 5 5 3 3 3 3 3 4 4 4 4 5 5 5 3 3																								
Extreme Excavation Excavation (leveling) Extreme Excavation	1000 1100 1200 1300 1400 1200 1300 600 750 800 1000 1000 1000 1400 600 800 1000 1200	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741 777 523 555 644 736	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14 1.26 0.41 0.61	4 5 5 5 5 5 3 3 3 3 3 4 4 4 4 5 5 5 3 3 3 3																								
Extreme Excavation Excavation (leveling) Extreme Excavation (leveling) Ditch Cleaning	1000 1100 1200 1300 1400 1200 1300 1200 1300 600 750 800 900 1000 1100 1200 1300 1400 600 1300 1400 600 1000 1000 1000 1200 1800	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741 777 523 544 736 470	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14 1.26 0.41 0.61 0.82 1.04 0.82	4 5 5 5 5 5 3 3 3 3 3 4 4 4 4 5 5 5 3 3 3 4 4																								
Extreme Excavation Excavation (leveling) Extreme Excavation (leveling) Ditch Cleaning	1000 1100 1200 1300 1400 1200 1300 1200 1300 600 750 800 900 1000 1100 1200 1300 1400 600 1000 1400 600 1000 1000 1200 1800 2000	568 600 645 676 708 679 712 498 547 526 575 614 651 704 723 555 644 736 470 505	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14 1.26 0.41 0.61 0.82 1.04 0.82 1.04 0.83	4 5 5 5 5 5 3 3 3 3 3 4 4 4 4 5 5 5 3 3 3 4 4																								
Extreme Excavation Excavation (leveling) Extreme Excavation (leveling) Ditch Cleaning	1000 1100 1200 1300 1400 1200 1300 1200 1300 600 750 800 900 1000 1100 1200 1300 1400 600 1000 1000 1000 1000 1000 1200 1800 2000 1800	568 600 645 676 708 679 712 498 547 526 575 614 651 704 741 777 523 544 736 470	0.75 0.84 0.94 1.03 1.13 0.94 1.03 0.41 0.56 0.61 0.70 0.82 0.92 1.04 1.14 1.26 0.41 0.61 0.82 1.04 0.82	4 5 5 5 5 5 3 3 3 3 3 4 4 4 4 5 5 5 3 3 3 3																								

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.

					Va	riat	ole / 5	Adj 5200	usta) mr	able n	Bo	om						0	ne-	pie 5050	ce l) mr	3oo n	m							Boo mn		
				(1)			(:	2)			(:	3)			(1	I)			(:	2)			(;	3)		(1	I)	(2	2)	(3	;)
Without Quick Cou	-	- - th- ()	2100	400	300	100	8	0 0	00	0	8	00ŧ	300	8	8	00	000	00	8	00	00	0	8	0	00	0	2100	2400	8	0 0	2100	400
		ck length (mm)	5	2100 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 2101 <td>é</td> <td>2</td> <td>2</td> <td>2</td> <td>5</td> <td>10</td> <td>5</td>													é	2	2	2	5	10	5									
Hammers	H100, H100								<u> </u>						-						<u> </u>	-										
	H115 S, H1			3 5 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5																												
	MP15	CC, CR	_																													
Multiprocessors	MP15	PP	<u> </u>																													
	MP15	PS													_																	
	MP15	S																														
Mechanical Pulverizer	P115																															
	S115																															
Hydraulic Shears	S320																															
(* boom mounted)	S320*																															
	S325*																															
	G310B	D, R																														
Multi-Grapples	G315B	D																														
		R	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																													
Mechanical Grapple	G112																															
Compactor	CVP75																															
	GSH15B	400																														
	5 tines	500	-							-													-									
		600	-							-	-												-								_	
		800	-							-					-								-								_	_
Orange Peel Grapples	0011150																						-								_	_
	GSH15B 4 tines	400								<u> </u>	<u> </u>												-								_	
		500									<u> </u>				_								<u> </u>								_	
		600	-							<u> </u>	<u> </u>																					
		800													(1)	Doz																
With Quick Couple	er (CW-20,	CW-20S)													(2)	2 se Doz	ts of	sta	biliz													
Hammara	H100, H100	S																														
Hammers	H115 S, H1																															
	MP15	CC, CR, PS																														
Multiprocessors	MP15	S																														
	G310B	D																														
Multi-Grapples	G310B	R																				-										
erappioo	G315B	D, R								-				\square								-										
Mechanical Grapple	G112	0,11	-							-					-		-					-										
Compactor	CVP75																															
σοπρασιοι	644.13																															
					-		/ork																		0 kg/							
					Οv	er tl	ne fr	ont	only																0 kg/							
																	Μ	axim	num	mat	eria	l der	nsity	120	0 kg/	′m³						

Lift Capacities – Variable Adjustable Boom (5200 mm)

All values are in kg, without bucket, with counterweight (3900 kg) and CW quick coupler (204 kg), heavy lift on.

Short		Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			*	5	
Stick		configuration	ŀ	'n	P	ľ	'n		ľ	P	P	Ū	P		Ū			m
2100 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*5300 *5300 *5300	*5300 *5300	4200 4800 *5300 *5300 *5300	4100 *4800 *4800	*4800 *4800	2500 2900 3500 *4800 4300							
	4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*6700 *6700 *6700	*6700 *6700	*6700 *6700 *6700 *6700 *6700	*6000 *6000 *6000	*6000 *6000	4100 4700 5600 *6000 *6000	4100 *4900 *4900	*4900 *4900	2600 3000 3600 *4900 4300				*2600 *2600 *2600	*2600 *2600	1600 1900 2300 *2600 *2600	7.67
	3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7800 *7800 *7800	*7800 *7800	7200 *7800 *7800 *7800 *7800 *7800	6300 *7100 *7100	*7100 *7100	4000 4600 5500 *7100 6500	4100 *5300 *5300	*5300 *5300	2600 3000 3600 5000 4200	2700 *4400 *4400	4200 3700	1600 1900 2300 3400 2800	2400 *2600 *2600	*2600 *2600	1400 1700 2100 *2600 2500	8.11
	1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*10000 *10000 *10000	*10000 *10000	7000 8200 *10000 *10000 *10000	6200 *7800 *7800	*7800 *7800	3900 4500 5400 7500 6400	4100 *5600 *5600	*5600 5300	2500 2900 3500 *4900 4200	2700 *4400 *4400	4100 3700	1600 1800 2300 3400 2800	2300 *2700 *2700	*2700 *2700	1400 1600 2000 *2700 2500	8.21
	0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11800 *11800 *11800	*11800 *11800	6600 7900 10200 *11800 *11800	6300 *7900 *7900	*7900 *7900	3800 4400 5400 7600 6400	3900 *5700 *5700	*5700 5400	2400 2700 3400 4900 4100	2600 *4000 *4000	*4000 3600	1500 1800 2200 3300 2800	2400 *2900 *2900	*2900 *2900	1400 1700 2100 *2900 2500	7.99
	-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12400 *12800 *12800	*12800 *12800	6600 7800 10100 *12800 *12600	6200 *8000 *8000	*8000 *8000	3600 4200 5200 *7800 6400	3800 *5700 *5700	*5700 5200	2200 2600 3200 4800 3900				2700 *3200 *3200	*3200 *3200	1600 1800 2300 *3200 2800	7.43
	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12500 *13100 *13100	*13100 *13100	6700 7900 10200 *13100 13000	5900 *7400 *7400	*7400 *7400	3400 4000 5000 *7400 6200										

Medium Stick

Stick	
2400	mm

	Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			Ŕ		
<u>SI</u>	configuration	l		P	ŀ	t.		ŀ	t.	P	IJ	P	P	IJ	t.	P	m
6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*4800 *4800 *4800	*4800 *4800	4200 *4800 *4800 *4800 *4800	4200 *4600 *4600	*4600 *4600	2600 3000 3600 *4600 4300							
4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*5000 *5000 *5000	*5000 *5000	*5000 *5000 *5000 *5000 *5000	*5500 *5500 *5500	*5500 *5500	4100 4700 *5500 *5500 *5500	4100 *4800 *4800	*4800 *4800	2700 3000 *3600 *4800 *4300	2800 *2900 *2900	*2900 *2900	1600 1900 2400 *2900 2900	*2300 *2300 *2300	*2300 *2300	1500 1800 2200 *2300 *2300	7.96
3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*8400 *8400 *8400	*8400 *8400	7300 8400 *8400 *8400 *8400	6200 *6800 *6800	*6800 *6800	4000 4600 5500 *6800 6400	*4100 *5200 *5200	*5200 *5200	2600 3000 *3600 5000 *4200	2800 *4300 *4300	4200 3700	1600 1900 2400 3500 2900	*2300 *2300 *2300	*2300 *2300	1400 1600 2000 *2300 *2300	8.38
1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*9700 *9700 *9700	*9700 *9700	7100 8100 *9700 *9700 *9700	6200 *7700 *7700	*7700 *7700	3900 4500 5400 7500 6400	4100 *5500 *5500	*5500 5300	2600 2900 3600 4900 4200	2700 *4400 *4400	4200 3700	1600 1900 2300 3400 2800	2200 *2400 *2400	*2400 *2400	1300 1500 1900 *2400 2300	8.48
0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11600 *11600 *11600	*11600 *11600	6900 8100 10100 *11600 *11600	6200 *7800 *7800	*7800 *7800	3800 4400 5400 *7500 *6400	4000 *5600 *5600	*5600 5300	2400 2800 3400 5000 4100	2600 *4300 *4300	4100 3600	1500 1800 2300 3300 2800	2300 *2500 *2500	*2500 *2500	1300 1500 1900 *2500 2400	8.27
-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12300 *12700 *12700	*12700 *12700	6600 7800 10100 *12700 12500	6100 *7900 *7900	*7900 *7900	3600 4200 5200 7700 6400	3800 *5800 *5800	*5800 5300	2300 2600 3200 4800 4000				2500 *2900 *2900	*2900 *2900	1500 1700 2100 *2900 2600	7.73
-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12400 *13100 *13100	*13100 *13100	6600 7800 10100 *13100 12900	6000 *7900 *7900	*7900 *7900	3500 4000 5000 7700 6200	3700 *4100 *4100	*4100 *4100	2200 2500 3100 *4100 3800							

Long	157	Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			Ŕ		
Stick	Ø	configuration	ß	P	P	ŀ	P	P	ŀ	P	P	l	P	P	l	P	P	m
2600 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*4300 *4300 *4300	*4300 *4300	4200 *4300 *4300 *4300 *4300	*4200 *4400 *4400	*4400 *4400	2600 3000 3600 *4400 4300							
	4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*5000 *5000 *5000	*5000 *5000	4100 4700 *5000 *5000 *5000	*4100 *4700 *4700	*4700 *4700	2700 3000 3600 *4700 4300	2800 *3500 *3500	*3500 *3500	1700 1900 2400 3500 2900	*2100 *2100 *2100	*2100 *2100	1500 1700 *2100 *2100 *2100	8.17
	3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*8400 *8400 *8400	*8400 *8400	7300 *8400 *8400 *8400 *8400	6300 *6700 *6700	*6700 *6700	4000 4600 5500 *6700 6500	4100 *5100 *5100	*5100 *5100	2600 3000 3600 5000 *4200	2800 *4200 *4200	*4200 3800	1700 1900 2400 3500 2900	*2100 *2100 *2100	*2100 *2100	1300 1500 1900 *2100 *2100	8.57
	1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*9900 *9900 *9900	*9900 *9900	7100 8100 *9900 *9900 *9900	6200 *7600 *7600	*7600 *7600	3900 4500 5400 7500 6400	4100 *5500 *5500	*5500 5300	2600 3000 3600 4900 4200	2700 *4300 *4300	4200 3700	1600 1900 2300 3400 2900	2100 *2200 *2200	*2200 *2200	1200 1500 1800 *2200 *2200	8.67
Load point height Load over front	0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11200 *11200 *11200	*11200 *11200	6900 8200 10100 *11200 *11200	6200 *7800 *7800	*7800 *7800	3800 4400 5400 7500 6400	4000 *5600 *5600	*5600 5300	2500 2800 3500 5000 4200	2700 *4300 *4300	4100 3700	1600 1800 2300 3400 2800	2200 *2300 *2300	*2300 *2300	1300 1500 1900 *2300 2300	8.47
Load over rear	-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12200 *12700 *12700	*12700 *12700	6600 7900 10200 *12700 12500	6200 *7900 *7900	*7900 *7900	3600 4200 5200 7600 6400	3800 *5700 *5700	*5700 5300	2300 2600 3300 4800 4000	2600 *3400 *3400	*3400 *3400	1500 1800 2200 3300 2700	2400 *2600 *2600	*2600 *2600	1400 1600 2100 *2600 2500	7.94
Load over side Load at	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12400 *13100 *13100	*13100 *13100	6600 7800 10100 *13100 12800	6000 *8000 *8000	*8000 *8000	3500 4100 5100 7700 6200	3700 *4700 *4700	*4700 *4700	2200 2500 3200 4700 3900							
maximum reach Load point height	-4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	9200 *9200 *9200	*9200 *9200	6500 7700 9200 *9200 *9200													

Industrial		Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			*	No.	
Stick 3100 mm		configuration	Į.	P	F	ŀ	P	P	ľ		P	l	P	P	ŀ	P	P	m
3100 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							*4600 *4600 *4600	*4600 *4600	3100 3400 4000 *4600 *4600							
	4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				5100 *5100 *5100	*5100 *5100	4500 5100 5100 *5100 *5100	4500 *4900 *4900	*4900 *4900	3000 3400 4000 *4900 4700	3200 *4200 *4200	*4200 *4200	2100 2400 2800 3900 3300	2900 *3200 *3200	*3200 *3200	1900 2100 2600 *3200 3100	7.63
	3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*8000 *8000 *8000	*8000 *8000	7700 8000 *8000 *8000 *8000	6700 *6800 *6800	*6800 *6800	4400 4900 5900 *6800 *6800	4500 *5400 *5400	*5400 *5400	3000 3400 3900 5300 4600	3200 *4600 *4600	*4600 4200	2100 2400 2800 3900 3300	2700 *3200 *3200	*3200 *3200	1700 2000 2400 *3200 2800	8.27
	1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*10600 *10600 *10600	*10600 *10600	7500 8700 *10600 *10600 *10600	6500 *7900 *7900	*7900 *7900	4300 4900 5800 *7900 6800	4400 *5900 *5900	*5900 5700	3000 3300 3900 5300 4600	3100 *4800 *4800	4600 4100	2000 2300 2700 3800 3300	2600 *3400 *3400	*3400 *3400	1700 1900 2300 3200 2700	8.36
	0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11900 *11900 *11900	*11900 *11900	7500 8600 10600 *11900 *11900	6600 *8300 *8300	*8300 *8300	4200 4800 5700 7900 6700	4400 *6100 *6100	*6100 5700	2900 3200 3900 5300 4600	3100 *4800 *4800	4500 4000	2000 2200 2700 3800 3200	2700 *3700 *3700	*3700 3500	1700 1900 2300 3300 2800	8.17
	-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12600 *13200 *13200	*13200 *13200	7100 8300 10700 *13200 12900	6600 *8300 *8300	*8300 *8300	4000 4600 5600 8000 6800	4200 *6100 *6100	*6100 5700	2700 3000 3700 5200 4400	3000 *4300 *4300	*4300 4000	1900 2100 2600 3700 3100	2900 *4100 *4100	*4100 3800	1800 2100 2500 3600 3000	7.67
ited by hydraulic her than tipping load. capacity ratings based on ISO 10567,	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12800 *13400 *13400	*13400 *13400	7000 8200 10500 *13400 13200	6400 *8600 *8600	*8600 *8600	3900 4400 5400 8000 6600	4100 *5600 *5600	*5600 5500	2500 2900 3500 5100 4200							
y do not exceed % of hydraulic lifting bacity or 75% of bing load. Oscillating e must be locked.	-4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11000 *11000 *11000	*11000 *11000	6800 8000 10300 *11000 *11000	*5500 *5500 *5500	*5500 *5500	3700 4300 5300 *5500 *5500										

* Limited by hy rather than ti Lift capacity are based on they do not ex 87% of hydrau capacity or 75 tipping load. (axle must be

Lift Capacities – One-piece Boom (5050 mm) All values are in kg, without bucket, with counterweight (3900 kg) and CW quick coupler (204 kg), heavy lift on.

Short	5	Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			*	5	
Stick		configuration	Ľ	P	P	ľ	'n		ľ	P	P	Ū	P		Ū			m
2100 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							4100 *4400 *4400	*4400 *4400	2500 2900 3500 *4400 4200							
	4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*5700 *5700 *5700	*5700 *5700	4000 4600 5600 *5700 *5700	4000 *4800 *4800	*4800 *4800	2500 2900 3500 *4800 4200				*2600 *2600 *2600	*2600 *2600	1800 2000 2500 *2600 *2600	7.46
	3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				6100 *6900 *6900	*6900 *6900	3700 4300 5200 *6900 6400	3900 *5300 *5300	*5300 *5300	2400 2800 3400 4900 4100				*2600 *2600 *2600	*2600 *2600	1600 1800 2200 *2600 *2600	7.90
	1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				5800 *7800 *7800	*7800 *7800	3400 4000 4900 7500 6100	3800 *5700 *5700	*5700 5200	2300 2600 3200 4800 3900	2700 *3900 *3900	*3900 3700	1600 1900 2300 3400 2800	2500 *2700 *2700	*2700 *2700	1500 1700 2100 *2700 2600	8.01
	0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				5700 *7900 *7900	*7900 *7900	3300 3800 4800 7300 5900	3700 *5700 *5700	*5700 5100	2200 2500 3100 4700 3800				2500 *2900 *2900	*2900 *2900	1500 1800 2200 *2900 2700	7.79
	-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7900 *7900 *7900	*7900 *7900	6000 7100 *7900 *7900 *7900	5600 *7300 *7300	*7300 *7300	3200 3800 4700 *7300 5900	3700 *5200 *5200	*5200 5100	2200 2500 3100 4600 3800				2800 *3400 *3400	*3400 *3400	1700 2000 2400 *3400 3000	7.21
	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7500 *7500 *7500	*7500 *7500	6100 7300 *7500 *7500 *7500	*5600 *5600 *5600	*5600 *5600	3300 3900 4800 *5600 *5600										

Medium Stick

2400 mm

20

	Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			*		
	configuration	ł	P	P	ŀ	P	P	IJ	P	P	ŀ	P	P	ŀ	P	P	m
6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							4100 *4300 *4300	*4300 *4300	2600 2900 3600 *4300 4300							
4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							4100 *4600 *4600	*4600 *4600	2500 2900 3500 *4600 4200				*2300 *2300 *2300	*2300 *2300	1700 1900 *2300 *2300 *2300	7.74
3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				6200 *6600 *6600	*6600 *6600	3700 4300 5300 *6600 6400	3900 *5100 *5100	*5100 *5100	2400 2800 3400 4900 4100	2700 *4000 *4000	*4000 3700	1700 1900 2400 3400 2900	*2300 *2300 *2300	*2300 *2300	1500 1700 2100 *2300 *2300	8.16
1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				5800 *7600 *7600	*7600 *7600	3400 4000 5000 7500 6100	3800 *5600 *5600	*5600 5200	2300 2600 3200 4800 3900	2700 *4400 *4400	4100 3600	1600 1900 2300 3400 2800	2300 *2400 *2400	*2400 *2400	1400 1600 2000 *2400 *2400	8.27
0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*4000 *4000 *4000	*4000 *4000	*4000 *4000 *4000 *4000 *4000	5600 *7900 *7900	*7900 *7900	3200 3800 4800 7300 5900	3700 *5700 *5700	*5700 5100	2200 2500 3100 4600 3800	2600 *4200 *4200	4000 3600	1600 1800 2300 3300 2800	2400 *2600 *2600	*2600 *2600	1400 1700 2100 *2600 2500	8.05
-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7700 *7700 *7700	*7700 *7700	5900 7000 *7700 *7700 *7700	5600 *7400 *7400	*7400 *7400	3200 3700 4700 7200 5800	3600 *5400 *5400	*5400 5000	2100 2500 3100 4600 3800				2700 *3000 *3000	*3000 *3000	1600 1800 2300 *3000 2800	7.50
-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*8300 *8300 *8300	*8300 *8300	6000 7200 *8300 *8300 *8300	5600 *6000 *6000	*6000 *6000	3300 3800 4800 *6000 5900	3700 *4000 *4000	*4000 *4000	2200 2500 3100 *4000 3800							

	lann	الملاسمان			3.0 m			4.5 m			6.0 m			7.5 m			Ŕ	<u>_</u>	
	Long Stick		Undercarriage configuration	ŀ	3.0111	F	ł	4.5 11	F	Į,		P	Į,	7.511	F	Į,			m
	2600 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							4100 *4200 *4200	*4200 *4200	2600 3000 3600 *4200 *4200					L_3		
		4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							4100 *4500 *4500	*4500 *4500	2500 2900 3500 *4500 4200	*2500 *2500 *2500	*2500 *2500	1700 2000 2400 *2500 *2500	*2100 *2100 *2100	*2100 *2100	1600 1800 *2100 *2100 *2100	7.94
المعالم		3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				6200 *6400 *6400	*6400 *6400	3800 4300 5300 *6400 *6400	3900 *5000 *5000	*5000 *5000	2400 2800 3400 4900 4100	2700 *4200 *4200	4200 3700	1700 1900 2400 3400 2900	*2100 *2100 *2100	*2100 *2100	1400 1600 2000 *2100 *2100	8.36
	Load point height	1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down				5900 *7500	*7500 *7500	3500 4000 5000 *7500	3800 *5500	*5500 5200	2300 2600 3200 4800	2700 *4400	4100 3700	1600 1900 2300 3400	*2200 *2200	*2200 *2200	1300 1600 1900 *2200	8.46
	Load over front	0 m	Dozer and stab down Rear dozer up Rear dozer down	*4200	*4200	*4200 *4200	*7500 5700	*7900	6100 3300 3800	*5500 3700	*5700	4000 2200 2500	*4400 2600	4000	2800 1600 1800	*2200 2300	*2400	*2200 1400 1600	8.25
■_= U	Load over rear		Rear stab down 2 sets stab down Dozer and stab down	*4200 *4200	*4200	*4200 *4200 *4200	*7900 *7900	*7900	4800 7300 5900	*5700 *5700	5100	3100 4600 3800	*4400 *4400	3600	2300 3300 2800	*2400 *2400	*2400	2000 *2400 *2400	
	Load over side	-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7500 *7500 *7500	*7500 *7500	5900 7000 *7500 *7500 *7500	5600 *7600 *7600	*7600 *7600	3200 3700 4700 7200 5800	3600 *5500 *5500	*5500 5000	2100 2500 3100 4600 3800				2500 *2800 *2800	*2800 *2800	1500 1800 2200 *2800 2700	7.7
	Load at maximum reach Load	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down	*8800	*8800 *8800	6000 7200 *8800 *8800	*6300	*6300 *6300	3200 3800 4700 *6300	3700	*4300 *4300	2200 2500 3100 *4300							
	point height		Dozer and stab down	*8800		*8800	*6300		5900	*4300		3800							
	Industrial				3.0 m			4.5 m			6.0 m			7.5 m			*	N .	
	Stick		Undercarriage configuration	ł	P	F	ľ		P	ł	P	P	ł	P	P	ł	9		m
	3100 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							*4500 *4500 *4500	*4500 *4500	3000 3400 4000 *4500 *4500							
		4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down							4500 4500 *4700 *4700	*4700 *4700	2900 3300 3900 *4700 4600	3200 *3600 *3600	*3600 *3600	2100 2400 2800 *3600 3300	3100 *3200 *3200	*3200 *3200	2000 2300 2700 *3200 *3200	7.63
		3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*6500 *6500 *6500	*6500 *6500	4200 4800 5800 *6500 *6500	4300 *5300 *5300	*5300 *5300	2800 3200 3800 *5300 4500	3100 *4600 *4600	*4600 4100	2100 2300 2800 3800 3300	2800 *3200 *3200	*3200 *3200	1900 2100 2500 *3200 3000	8.03
		1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				6300 *7800 *7800	*7800 *7800	3900 4500 5400 *7800 6600	4200 *5800 *5800	*5800 5600	2700 3000 3700 5200 4400	3100 *4800 *4800	4500 4000	2000 2300 2700 3800 3200	2700 *3400 *3400	*3400 *3400	1800 2000 2400 *3400 2900	8.12
		0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*5800 *5800 *5800	*5800 *5800	*5800 *5800 *5800 *5800 *5800	6100 *8400 *8400	*8400 *8400	3700 4300 5200 7800 6400	4100 *6200 *6200	*6200 5500	2600 2900 3500 5100 4200	3000 *4900 *4900	4400 4000	1900 2200 2600 3700 3100	2800 *3800 *3800	*3800 3700	1800 2000 2500 3400 2900	7.92
		-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*8500 *8500 *8500	*8500 *8500	6400 7600 *8500 *8500 *8500	6000 *8200 *8200	*8200 *8200	3600 4200 5100 7700 6300	4000 *6000 *6000	*6000 5400	2500 2900 3500 5000 4200				3000 *4500 *4500	4500 4000	2000 2200 2700 3700 3200	7.41
rath Lift o base	ted by hydraulic er than tipping load. capacity ratings are ed on ISO 10567,	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*10000 *10000 *10000	*10000 *10000	6500 7600 9800 *10000 *10000	6000 *7100 *7100	*7100 *7100	3600 4200 5100 *7100 6300	4000 *5100 *5100	*5100 *5100	2500 2900 3500 5000 4200							
of hy cap	do not exceed 87% /draulic lifting acity or 75% of ng load. Oscillating	-4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down	*6500	*6500 *6500	*6500 *6500 *6500 *6500	*4600	*4600 *4600	3800 4300 *4600 *4600										
	must be locked.		Dozer and stab down	*6500		*6500	*4600		*4600										

21

Lift Capacities – Offset Boom (5200 mm)

All values are in kg, without bucket, with counterweight (3900 kg) and CW quick coupler (204 kg), heavy lift on.

Short		Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			*	5	
Stick		configuration	ß	P	P	ľ	P	P	ļ	P	P	ŀ	P	P	ľ	P	P	m
2100 mm	6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*5300 *5300 *5300	*5300 *5300	4200 4800 *5300 *5300 *5300	4100 *4700 *4700	*4700 *4700	2500 2800 3500 *4700 4200							
	4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*6800 *6800 *6800	*6800 *6800	6800 *6800 *6800 *6800 *6800	*5900 *5900 *5900	*5900 *5900	4100 4700 5600 *5900 *5900	4100 *4800 *4800	*4800 *4800	2500 2900 3600 *4800 4200				*2300 *2300 *2300	*2300 *2300	1500 1800 2200 *2300 *2300	7.69
	3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7600 *7600 *7600	*7600 *7600	7100 7600 *7600 *7600 *7600	*6100 *6800 *6800	*6800 *6800	3900 4500 5400 *6800 6300	4000 *5100 *5100	*5100 *5100	2500 2900 3600 4900 4200	2600 *4200 *4200	4100 3600	1500 1800 2200 3300 2700	*2300 *2300 *2300	*2300 *2300	1300 1600 2000 *2300 *2300	8.12
	1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*9700 *9700 *9700	*9700 *9700	6900 8100 *9700 *9700 *9700	6100 *7500 *7500	*7500 *7500	3900 4500 5300 7300 6300	4000 *5400 *5400	*5400 5200	2400 2800 3500 4900 4200	2600 *4200 *4200	4000 3600	1400 1700 2200 3300 2700	2200 *2300 *2300	*2300 *2300	1200 1500 1900 *2300 2300	8.22
	0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11500 *11500 *11500	*11500 *11500	6400 7700 10000 *11500 *11500	6200 *7600 *7600	*7600 *7600	3700 4300 5300 7400 6300	3800 *5500 *5500	*5500 5300	2300 2600 3300 4800 4000	2500 *3800 *3800	*3800 3500	1400 1600 2100 3200 2600	2300 *2500 *2500	*2500 *2500	1300 1500 1900 *2500 2400	8.01
	-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12100 *12400 *12400	*12400 *12400	6400 7600 9900 *12400 *12300	6000 *7700 *7700	*7700 *7700	3500 4100 5100 7700 6300	3600 *5500 *5500	*5500 5100	2100 2400 3100 4600 3800				2600 *2800 *2800	*2800 *2800	1400 1700 2200 *2800 2700	7.45
	-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12300 *12700 *12700	*12700 *12700	6400 7700 10000 *12700 *12700	5800 *7200 *7200	*7200 *7200	3300 3900 4900 *7200 6000										

Medium Stick

2400 mm

5	Undercarriage		3.0 m			4.5 m			6.0 m			7.5 m			Ŕ	No.	
	configuration	IJ	P	P	ŀ	P	P	IJ	P	P	Ø	P	P	ŀ	P	P	m
6.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down				*4800 *4800 *4800	*4800 *4800	4200 4800 4800 *4800 *4800	4100 *4400 *4400	*4400 *4400	2500 2900 3600 *4400 4300							
4.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*5200 *5200 *5200	*5200 *5200	*5200 *5200 *5200 *5200 *5200	*5600 *5600 *5600	*5600 *5600	4100 4700 5600 *5600 *5600	4100 *4600 *4600	*4600 *4600	2600 3000 3600 *4600 4200	2700 *2800 *2800	*2800 *2800	1500 1800 2300 *2800 2800	*2000 *2000 *2000	*2000 *2000	1400 1700 *2000 *2000 *2000	7.98
3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*7700 *7700 *7700	*7700 *7700	7200 *7700 *7700 *7700 *7700	6200 *6600 *6600	*6600 *6600	3900 4500 5400 *6600 6400	4000 *5000 *5000	*5000 *5000	2600 3000 3500 4900 4200	2700 *4100 *4100	*4100 3700	1500 1800 2300 3400 2800	*2000 *2000 *2000	*2000 *2000	1200 1500 1900 *2000 *2000	8.40
1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*9800 *9800 *9800	*9800 *9800	7000 8000 *9800 *9800 *9800	6000 *7400 *7400	*7400 *7400	3900 4400 5300 7300 6200	4000 *5300 *5300	*5300 5200	2500 2900 3500 4800 4200	2600 *4200 *4200	4100 3600	1500 1700 2200 3300 2700	*2100 *2100 *2100	*2100 *2100	1200 1400 1800 *2100 *2100	8.49
0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	*11200 *11200 *11200	*11200 *11200	6700 8000 9900 *11200 *11200	6100 *7500 *7500	*7500 *7500	3700 4300 5300 7300 6300	3900 *5400 *5400	*5400 5200	2300 2700 3300 4900 4100	2500 *4100 *4100	4000 3500	1400 1700 2100 3200 2600	2200 *2200 *2200	*2200 *2200	1200 1400 1800 *2200 *2200	8.29
-1.5 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12000 *12300 *12300	*12300 *12300	6400 7600 9900 *12300 12200	6000 *7600 *7600	*7600 *7600	3500 4100 5100 7500 6300	3700 *5500 *5500	*5500 5200	2100 2500 3100 4700 3800				2400 *2500 *2500	*2500 *2500	1300 1600 2000 *2500 2500	7.75
-3.0 m	Rear dozer up Rear dozer down Rear stab down 2 sets stab down Dozer and stab down	12200 *12800 *12800	*12800 *12800	6300 7600 9900 *12800 12700	5800 *7600 *7600	*7600 *7600	3300 3900 4900 7500 6000	3600 *4000 *4000	*4000 *4000	2000 2400 3000 *4000 3700							

Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for specifics.

Electrical

Alternator, 75 A Lights Boom working light Cab interior light Roading lights (two front, two 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 IIIA compliant Fuel/water separator with level indicator

Hydraulics

Cat XT-6 ES hoses Heavy lift mode Load-sensing Plus hydraulic system Manual work modes (economy, power) Separate swing pump Stick regeneration circuit

Operator Station

Adjustable armrests Ash tray with cigarette lighter (24 volt) Beverage cup/can holder Bolt-on FOGS capability Bottle holder Coat hook Floor mat, washable, with storage compartment Fully adjustable suspension seat Heater and defroster Instrument panel and gauges Information and warning messages in local language Gauges for fuel level, engine coolant and hydraulic oil temperature Filters/fluids change interval, working hour 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

Parallel mounted top and bottom wiper and washer Positive filtered ventilation, pressurized cab 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

Undercarriage

Bolt-on design for front attachments Heavy-duty axles, advanced travel motor, adjustable braking force Oscillating front axle with remote greasing Pin-on design for rear attachments Tires, 10.00-20 16 PR, dual Tool box in undercarriage Two-piece drive shaft Two-speed transmission, manual and automatic gear shifting

Other Equipment

Automatic swing brake Counterweight, 3500 kg Mirrors, frame and cab Product Link ready

Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for specifics.

Auxiliary Controls and Lines

Auxiliary boom and stick lines Anti-drift valves for bucket, stick, VA boom and tool control/multi-function circuits Basic control circuits: Single action One-way, high pressure circuit, for hammering application 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 Biodegradable hydraulic oil (synthetic ester based) Lowering control devices for boom and stick SmartBoom

Front Linkage

Booms One-piece boom, 5050 mm VA boom (two piece), 5200 mm Offset boom, 5200 mm Bucket linkage Bucket linkage with diverter valve Sticks 2100, 2400, 2600 mm 3100 mm industrial with drop nose

Electrical

Back-up alarm with three selectable modes Heavy-duty maintenance free batteries Roading lights, rear (LED modules) Refueling pump Rotating beacon on cab Working lights, cab mounted (front and rear)

Operator Station

Adjustable hydraulic sensitivity Air conditioner, heater and defroster with automatic climate control Camera mounted on counterweight, displays through cab monitor Falling objects guard Fixed cab riser, 1200 mm Joystick steering Lid for storage compartment Radio ready mounting (12 V or 24 V) at rear location including speakers and 12 V converter

- Seat, adjustable high-back
 - mechanical suspension
 - air suspension (vertical)
 - deluxe with headrest, air suspension Headrest
- Travel speed lock
- Vandalism guards
- Visor for rain protection
- Windshield
 - One-piece high impact resistant 50/50 split, openable; 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 Wide axles

Other Equipment

Auto-lube system (implements and swing gear) Cat Machine Security System Cat Product Link Counterweight, 3900 kg Custom paint Mirrors heated, frame and cab Ride Control Tires (see pg.13) Tool box in upperframe, lockable

M315D Wheel Excavator

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

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

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