# **M316D**

CAT

Wheel Excavator



Engine						
Engine Model	Cat® C6.6 with					
	ACERT™ Tec	hnology				
Net power (ISO 9249) at 1,800 rpm	118 kW	158 hp				
Weights						
Operating Weight	17 000 to	37,500 lb to				
	19 200 kg	42,328 lb				
Net power (ISO 9249) at 1,800 rpm Weights	ACERT™ Tec 118 kW 17 000 to	158 hp 37,500 lb to				

<b>Bucket Specifications</b>		
Bucket Capacities	0.38 to 1.26 m <sup>3</sup>	0.5 to 1.65 yd <sup>3</sup>
Working Ranges		
Maximum Reach at Ground Level	9380 mm	30'10"
Maximum Digging Depth	6070 mm	19'11"
Drive		
Maximum Travel Speed	37 km/h	23 mph

#### **Features**

#### **Engine**

The EPA Tier 3 compliant C6.6 offers increased performance and reliability while reducing fuel consumption and sound levels.

#### **Environmentally Responsible Design**

Helping to protect our environment, the engine has low operator and spectator sound levels, longer filter change intervals and is more fuel-efficient.

#### **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.

#### **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 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 standard rear-mounted camera.

#### **Undercarriage**

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

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The D Series incorporates innovations for improved performance and versatility.

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

# **Engine**

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

#### **Powerful Performance**

The Cat® C6.6 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 EPA Tier 3 engine emission regulations. The Cat C6.6 engine in the M316D delivers a maximum gross power of 124 kW (166 hp) at a rated speed of 1,800 rpm.

#### **Low Fuel Consumption**

The C6.6 is electronically controlled and uses 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 C6.6 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 consumption 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.

#### **Waste Handling Package**

The Waste Handling Package has been specifically developed for Cat Wheel Excavators working in waste transfer stations or other extremely dusty applications. This option features the following:

- An automatic, hydraulic reversible fan that reverses airflow after a set interval, manually adjustable between 5 and 60 minutes with a switch located inside the cab.
- A special dense wire mesh cooling system hood further reduces radiator clogging.
- Two cyclone filters provide clean filtered air to the engine compartment, air cleaner, aftercooler and air conditioner condenser.



# **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 drive. 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%.

#### **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 work tool.

#### **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 and stick cylinders. These snubbers help cushion shocks, reduce sound and increase cylinder life.

# SmartBoom<sup>™</sup>

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



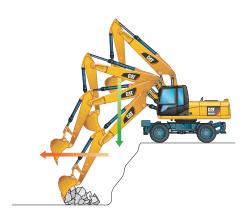
#### **Rock Scraping**

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.

# **Environmentally Responsible Design**

The M316D 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 new Cat® C6.6 engine meets the EPA Tier 3 emissions regulations while offering increased performance, reliability and reduced 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 (Cat BIO HYDO Advanced HEES<sup>TM</sup>) is formulated to provide excellent

high-pressure and high temperature characteristics, and is fully compatible with all hydraulic components. Cat BIO HYDO Advanced HEES<sup>TM</sup> 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<sup>TM</sup> 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 Cat 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.

# **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 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 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 is high impact resistant laminated glass.
- A large skylight provides superb upward visibility. The retractable sunscreen blocks direct sunlight.

#### **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.

#### **Monitor**

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

- 2 times 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 predefined 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.

#### **Deluxe Seat**

The 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.

#### **Lunch Box**

A large storage compartment is located behind the operator's seat. The compartment provides sufficient room to store items such as a lunch box. A 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.

#### **Cat Standard Rearview Camera**

The rearview camera displays on the operator monitor. Together with the best in class visibility to the front, up, left and right, the rearview camera ensures the safe operation of the machine and fulfills the requirements of ISO 5006/EN474.



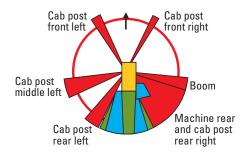








#### **Field of Vision**



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Red: limitations due to cab post and/or boom Blue: additional visibility due to mirrors Green: additional visibility due to rearview camera





# **Undercarriage**

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

#### **Increased Travel Speed**

The maximum travel speed for the M316D is 37 km/h (23 mph), reducing travel time between sites and increasing productivity.

#### **Heavy-Duty Axles and Stabilizers**

The D Series undercarriage provides 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 minimizes the rocking effect associated with working free on wheels. The axle design lowers maintenance and lifetime costs. Oil change intervals are at 2,000 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.

# **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 performance.

#### **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 [8 ft 1 in]/ 2760 mm [9 ft 1 in]) 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:

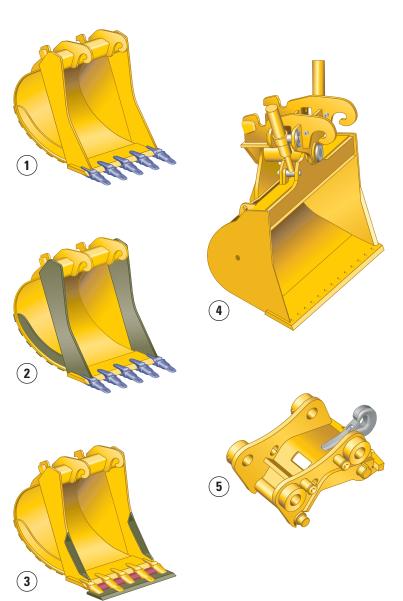
- Short stick (2100 mm [6 ft 11 in]) for maximum breakout force and lifting capability.
- Medium stick (2400 mm [7 ft 10 in]) for greater crowd force and lift capacity.
- Long stick (2600 mm [8 ft 6 in]) for greater depth and reach requirements.
- Industrial stick (3100 mm [10 ft 2 in]) for use with free-swinging grapples in material handling and industrial applications.





# **Work Tools**

A wide variety of Work Tools help optimize machine performance.



#### **Work Tools**

Cat 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 Cat K Series™ Ground Engaging Tools.

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

## Purpose designed and built to Caterpillar's high durability standards.

#### **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 Cat 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 time and shell versions.

#### **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 performance-matched 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 boommounted options.

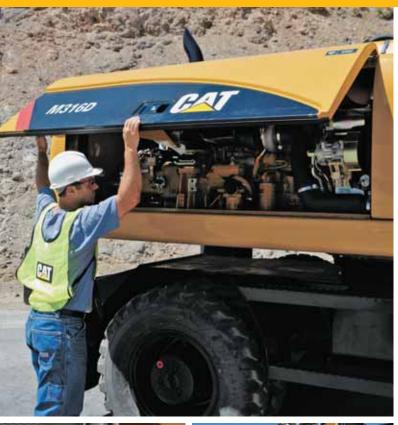








# Serviceability and Complete Customer Support







#### **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<sup>SM</sup> Scheduled Oil Sampling analysis, hydraulic oil change intervals can be extended up to 6,000 hours.

#### **Engine Oil**

Cat 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.

#### Air Filters

Cat 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<sup>TM</sup> 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, corrosion-free 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.

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

#### **Front Compartment**

The front compartment hood can be opened vertically, providing outstanding ground level access to the batteries, air-to-air aftercooler, air conditioner condenser and the engine air 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<sup>SM</sup> 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 Cat 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.

#### **Handrails and Steps**

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

#### **LED Rear Lights**

Standard Light Emitting Diode (LED) rear lights provide increased visibility on the job site, higher durability and longer life.







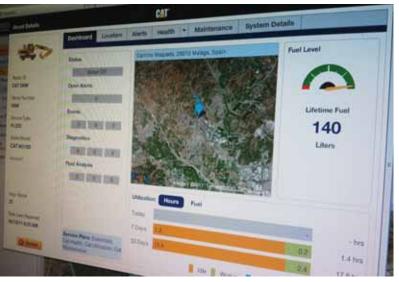


# **Versatility**

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 preset combinations. This eliminates the need to reset 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 tenprogrammed 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.

#### **Working and Travel Modes**

There are 2 selectable working modes and one automatic travel setting. 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 allows remote monitoring of the machine, using a powerful telemetric system to transmit needed information to the customer and the dealer via a secure, web-based application, VisionLink<sup>TM</sup>.

Critical information, such as event and diagnostic codes, is readily accessible, as are machine statistics, such as hour-meter reading, fuel consumption and idle time. Mapping functions include location and geo-fencing, which assist in servicing operations and in preventing unauthorized machine use. With Product Link, the customer and the dealer have an invaluable tool for more efficiently managing machines and fleets.

#### **Ride Control**

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		
Engine Model	Cat® C6.6 ACERT™	with Technology
Ratings	1,800 rpm	
Gross Power	124 kW	166 hp
Net Power	,	
ISO 9249	118 kW	158 hp
80/1269/EEC	118 kW	158 hp
Bore	105 mm	4.13 in
Stroke	127 mm	5 in
Displacement	6.6 L	403 in <sup>3</sup>
Cylinders	6	
Maximum Torque at 1,400 rpm	785 N·m	579 lb ft

- EPA Tier 3 compliant.
- Full engine net power up to 3000 m (1.86 mi) altitude.

Hydraulic System							
Tank Capacity	135 L	36 gal					
System	230 L	61 gal					
Maximum Pressure							
Implement Circuit							
Normal	350 bar	5,076 psi					
Heavy Lift	375 bar	5,439 psi					
Travel Circuit	350 bar	5,076 psi					
Auxiliary Circuit							
High Pressure	350 bar	5,076 psi					
Medium Pressure	185 bar	2,683 psi					
Swing Mechanism	370 bar	5,366 psi					
Maximum Flow							
Implement/ Travel Circuit	250 L/min	66 gal/min					
Auxiliary Circuit							
High Pressure	250 L/min	66 gal/min					
Medium Pressure	50 L/min	13 gal/min					
Swing Mechanism	80 L/min	21 gal/min					

Weights		
VA Boom*		
Rear Dozer Only	16 650 kg	36,707 lb
Rear Dozer,	17 650 kg	38,912 lb
Front Outriggers		
Front and	17 850 kg	39,352 lb
Rear Outriggers		
One-Piece Boom*		
Rear Dozer Only	16 150 kg	35,605 lb
Rear Dozer,	17 150 kg	37,809 lb
Front Outriggers		
Front and Rear	17 350 kg	38,250 lb
Outriggers		
Offset Boom*		
Rear Dozer Only	17 150 kg	37,809 lb
Rear Dozer,	18 150 kg	40,014 lb
Front Outriggers		
Front and	18 350 kg	40,455 lb
Rear Outriggers		
Sticks		
Short –	470 kg	1,036 lb
2100 mm (6'11")		
Medium –	514 kg	1,133 lb
2400 mm (7'10")		
Long –	530 kg	1,168 lb
2600 mm (8'6")		
Industrial –	450 kg	992 lb
3100 mm (10'2")	7401	1 700 11
Dozer Blade	740 kg	1,700 lb
Outriggers	1030 kg	2,270 lb
Counterweight		
Standard	3700 kg	8,157 lb
Optional	4100 kg	9,039 lb
• Machine weight wi	th medium s	tick,

Woighte

• Machine weight with medium stick, 4100 kg (9,039 lb) counterweight, with operator and full fuel tank, without work tool. Weight varies depending on configuration.

Transmission		
Forward/Reverse		
1st Gear	8 km/h	5 mph
2nd Gear	37 km/h	23 mph
Creeper Speed		
1st Gear	3 km/h	2 mph
2nd Gear	13 km/h	8 mph
Drawbar Pull	97 kN	21,806 lb
Maximum Gradeability	63%	

Swilly Mechan	119111	
Swing Speed	10.5 rpm	
Swing Torque	40 kN·m	29,502 lb ft

Swing Machanier

## 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	15 in
Maximum	35°	
Steering Angle		
Oscillation	± 9°	
Axle Angle		
Minimum		
Turning Radius		
Standard Axle		
Outside of Tire	6400 mm	21 ft
End of VA Boom	7000 mm	23 ft
End of One-Piece	8300 mm	27 ft
Boom		
Wide Axle		
Outside of Tire	6500 mm	21 ft
End of VA Boom	7100 mm	23 ft
End of One-Piece Boom	8500 mm	28 ft

Service Refill Capacities								
Fuel Tank	310 L	82 gal						
Cooling	36 L	9.5 gal						
Engine Crankcase	15 L	4 gal						
Rear Axle Housing (differential)	14 L	3.7 gal						
Front Steering Axle (differential)	10.5 L	2.8 gal						
Final Drive	2.5 L	0.7 gal						
Powershift Transmission	2.5 L	0.7 gal						

#### **Sound Levels**

#### **Exterior Sound**

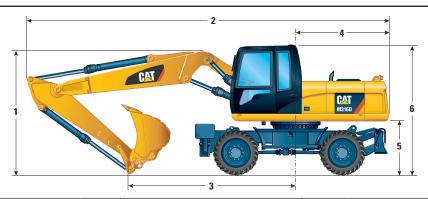
• The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 103 dB(A).

#### 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 (ft/in)	2100 (6'11")	2400 (7'10")	2600 (8'6")	*3100 (10'2")	2100 (6'11")	2400 (7'10")	2600 (8'6")	*3100 (10'2")	2100 (6'11")	2400 (7'10")
1 Shipping Height	mm (ft/in)	3170 (10'5")	3170 (10'5")	3170 (10'5")	3330 (10'11")	3170 (10'5")	3170 (10'5")	3170 (10'5")	3330 (10'11")	3170 (10'5")	3170 (10'5")
2 Shipping Length	mm (ft/in)	8550 (28'1")	8550 (28'1")	8540 (28'0")	8510 (27'11")	8390 (27'6")	8400 (27'7")	8400 (27'7")	8405 (27'7")	8550 (28'1")	8540 (28'0")
3 Support Point	mm (ft/in)	3910 (12'10")	3650 (12'0")	3550 (11'8")	3630 (11'11")	3560 (11'8")	3270 (10'9")	3150 (10'4")	3230 (10'7")	4020 (13'2")	3780 (12'5")
4 Tail Swing Radius		2280 mm (7'6")		2280 mm (7'6")				2280 mm (7'6")			
5 Counterweight Clearance		1280 mm (4'2")		1280 mm (4'2")				1280 m	m (4'2")		
6 Cab Height		3170 mm (10'5")		3170 mm (10'5")				3170 mm (10'5")			
With 1200 mm (4 ft) Fixed Cab Riser		4370 mm (14'4")		4370 mm (14'4")			4370 mm (14'4")				
Overall Machine Width		2550 mm (8'4")		2550 mm (8'4")				2550 m	m (8'4")		
Wide Gauge Axle			2750 m	m (9'0")		2750 mm (9'0")			2750 mm (9'0")		

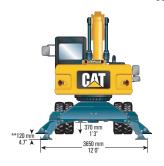
<sup>\*</sup> Industrial stick



Undercarriage with dozer only



\*\* Maximum tire clearance with outrigger fully down



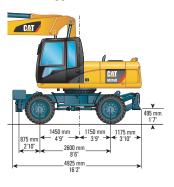
Undercarriage with 2 sets of outriggers



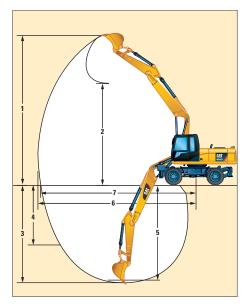
Roading position with 2400 mm (7'10") stick

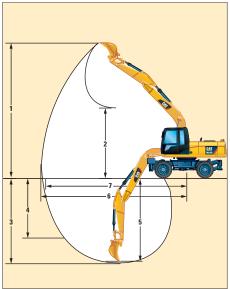


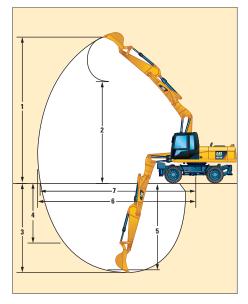
Undercarriage with 1 set of outriggers and dozer



## **Working Ranges**







		VA Boom			One-Piece Boom				Offset Boom		
Stick Length	mm	2100	2400	2600	*3100	2100	2400	2600	*3100	2100	2400
	(ft/in)	(6'11")	(7'10")	(8'6")	(10'2")	(6'11")	(7'10")	(8'6")	(10'2")	(6'11")	(7'10")
1 Digging Height	mm	10 060	10 250	10 400	8970	9000	9090	9210	7720	9960	10 150
	(ft/in)	(32'0")	(33'8")	(34'2")	(29'5")	(29'7")	(29'10")	(30'3")	(25'4")	(32'8")	(33'4")
2 Dump Height	mm	6970	7160	7320	3980	6020	6130	6250	3200	7150	7340
	(ft/in)	(22'11")	(23'6")	(24'0")	(13'1")	(19'9")	(20'2")	(20'6")	(10'6")	(23'5")	(24'1")
3 Digging Depth	mm	5570	5870	6070	5030	5370	5670	5870	4820	5450	5750
	(ft/in)	(18'3")	(19'3")	(19'11")	(16'6")	(17'8")	(18'7")	(19'3")	(15'10")	(17'11")	(18'11")
4 Vertical Wall Digging Depth	mm (ft/in)	3700 (12'2")	3900 (12'10")	4070 (13'4")	_	3490 (11'6")	3630 (11'11")	3800 (12'6")	_	4100 (13'6")	4320 (14'2")
<b>5</b> Depth 2.5 m (8'2") Straight Clean-Up	mm (ft/in)	5350 (17'7")	5670 (18'7")	5880 (19'4")	_	5150 (16'11")	5470 (18'0")	5680 (18'8")	_	5200 (17'1")	5520 (18'1")
6 Reach	mm	9100	9360	9560	8370	8900	9160	9350	8130	8970	9240
	(ft/in)	(29'11")	(30'9")	(31'5")	(27'6")	(29'3")	(30'1")	(30'8")	(26'8")	(29'5")	(30'4")
7 Reach at Ground Level	mm	8910	9190	9380	8170	8710	8970	9170	7920	8780	9060
	(ft/in)	(29'3")	(30'2")	(30'10")	(26'10")	(28'7")	(29'5")	(30'1")	(25'0")	(28'10")	(29'9")
Bucket Forces (ISO 6015)	kN (lbf)	101 (22,705)	101 (22,705)	101 (22,705)	_	101 (22,705)	101 (22,705)	101 (22,705)	_	101 (22,705)	101 (22,705)
Stick Forces (ISO 6015)	kN (lbf)	81 (18,209)	74 (16,635)	71 (15,961)	_	81 (18,209)	74 (16,635)	71 (15,961)	_	81 (18,209)	74 (16,635)

<sup>\*</sup> Industrial stick has no bucket linkage. All dimensions refer to sticknose.

Values 1-7 are calculated with bucket and quick coupler with a tip radius of 1552 mm (5'1").

Breakout force values are calculated with heavy lift on (no quick coupler) and a tip radius of 1405 mm (4'7'').

## **Bucket Specifications**

Contact your Cat dealer for special bucket requirements.

Pin-On Buckets											Va			ıstabl n (17'1	e Boo I")	m			
Stick Length								21	00 mr	n (6'11	")	24	00 mr	n (7'10	)")	2	600 m	m (8'6	j")
	74F 3W	1		VVelgnt.		Capacity (190)	Adapters	Free on wheels	Dozerlowered	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
	600	in 24	kg 459	1,012	m <sup>3</sup>	yd <sup>3</sup> 0.50	3	ш.		-	ш	ш.			ш	ш.			ш
	750	30	495	1,012	0.52	0.50	3												
	900	35	557	1,228	0.52	0.85	4												
	1000	39	591	1,303	0.75	0.98	4												
Excavation	1100	43	622	1,372	0.84	1.10	4												
	1200	47	668	1,473	0.94	1.23	5												
	1300	51	699	1,541	1.03	1.35	5												
	1400	55	731	1,612	1.13	1.48	5												
Futromo Evoquation	1200	47	702	1,548	0.94	1.23	5												
Extreme Excavation	1300	51	735	1,621	1.03	1.35	5												
	600	24	485	1,069	0.41	0.54	3												
	750	30	529	1,166	0.56	0.73	3												
	800	31	547	1,206	0.61	0.80	4												
	900	35	596	1,314	0.70	0.92	4												
Excavation (leveling)	1000	39	636	1,402	0.82	1.07	4												
	1100	43	672	1,482	0.92	1.20	4												
	1200	47	725	1,599	1.04	1.36	5												
	1300	51	762	1,680	1.14	1.49	5												
	1400	55	798	1,760	1.26	1.65	5												
Extreme Excavation (leveling)	1200	47	757	1,669	1.04	1.36	5												
Ditch Cleaning	1800	71	545	1,202	0.90	1.18													
- · · · <b>J</b>	2000	79	590	1,301	1.00	1.31													
Tiltable Ditch Cleaning	1800	71	875	1,929	0.75	0.98													
<b>y</b>	2000	79	910	2,007	0.84	1.10													



## **Bucket Specifications**

Contact your Cat dealer for special bucket requirements.

Pin-On Buckets														ce Bo n (16'7					
Stick Length		,		,				21	00 mr	n (6'1	1")	24	00 mr	n (7'10	)")	2	600 m	m (8'6	;")
	mm	Migth Might	kg	Weignt	m³	(Oci) (IOCI) (IOCI) (IOCI) (IOCI) (IOCI)	Adapters	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozerlowered	1 set of stabilizer lowered	Fully stabilized	Free on wheels	Dozer lowered	1 set of stabilizer lowered	Fully stabilized
	600	24	459	1,012	0.38	0.50	3			-				-				-	
	750	30	495	1,091	0.52	0.68	3												
	900	35	557	1,228	0.65	0.85	4												
	1000	39	591	1,303	0.75	0.98	4												
Excavation	1100	43	622	1,372	0.84	1.10	4												
	1200	47	668	1,473	0.94	1.23	5												
	1300	51	699	1,541	1.03	1.35	5												
	1400	55	731	1,612	1.13	1.48	5												
Extreme Excavation	1200	47	702	1,548	0.94	1.23	5												
Extreme excavation	1300	51	735	1,621	1.03	1.35	5												
	600	24	485	1,069	0.41	0.54	3												
	750	30	529	1,166	0.56	0.73	3												
	800	31	547	1,206	0.61	0.80	4												
	900	35	596	1,314	0.70	0.92	4												
Excavation (leveling)	1000	39	636	1,402	0.82	1.07	4												
	1100	43	672	1,482	0.92	1.20	4												
	1200	47	725	1,599	1.04	1.36	5												
	1300	51	762	1,680	1.14	1.49	5												
	1400	55	798	1,760	1.26	1.65	5												
Extreme Excavation (leveling)	1200	47	757	1,669	1.04	1.36	5												
Ditch Cleaning	1800	71	545	1,202	0.90	1.18													
	2000	79	590	1,301	1.00	1.31													
Tiltable Ditch Cleaning	1800	71	875	1,929	0.75	0.98													
	2000	79	910	2,007	0.84	1.10													
*Bucket weight includes Ground Enga	iging Tools									mum n kg/m³ (			ity				nateria (2,000 l		ity

Maximum material density 1500 kg/m³ (2,500 lb/yd³) Not recommended

#### **Work Tools Matching Guide**

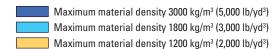
When choosing between various work tool models that can be installed onto the same machine configuration, consider work tool application, productivity requirements, and durability. Refer to work tool specifications for application recommendations and productivity information.

					Va			Adjı O mn				m						_		Pied ) mn										Boo n (1		)
				(	1)			(2	2)			(3	3)			(*	1)			(2	2)			(:	3)		(	1)	(:	2)	(:	3)
Without Quick Coupl		Stick Length (mm)	2100	2400	2600	3100	2100	2400	2600	3100	2100	2400	2600	3100	2100	2400	2600	3100	2100	2400	2600	3100	2100	2400	2600	3100	2100	2400	2100	2400	2100	
		Stick Length (ft/in)	6'11"	7'10"	.9.8	10'2"	6'11"	7'10"	.9,8	10'2"	6'11"	7'10"	.9.8	10'2"	6'11"	7'10"	.9.8	10'2"	6'11"	7'10"	8.6"	10'2"	6'11"	7'10"	.9.8	10'2"	6'11"	7'10"	6'11"	7'10"	6'11"	7'10"
Hammara	H100, H100	S																														
Hammers	H115 S, H12	0C S																														
	MP15	CC, CR																														
8.6.14	MP15	PP																														
Multiprocessors	MP15	PS																														
	MP15	S																														
	S320B																															
Hydraulic Shears (* boom mounted)	S320B*																															
( boom mounted)	S325B*		Г																								Г					
Compactor	CVP75																															
		400 L (0.52 yd³)																														
Orange Peel	GSH15B	500 L (0.65 yd³)																														
Grapples	4 tines	600 L (0.78 yd³)																														
		800 L (1.05 yd³)																														



(2) 2 sets of stabilizers lowered

(3) Dozer and stabilizer lowered



#### Lift Capacities – Variable Adjustable Boom (5200 mm [17 ft 1 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load at ma	ximum re	ach (sticknose/bucket pin)	[	Load	over fror	nt	ĺ	P Load	over rea	r	(	Loa	d over si	de		S Loa	ad point h	eight	
Short	<u></u> →				3.0 m			4.5 m			6.0 m			7.5 m				=	
Stick 2100 mm		Undercarriage configuration		4	P	Œ		P	Œ		7	æ		P	Œ	4	9	<b>P</b>	m
(6'11")	6.0 m		kg kg kg kg kg				*6250 *6250	5300 *6250 *6250 *6250 5300	4600 5250 *6250 *6250 5050	4700 *5050	3300 *5050 *5050 *5050 3300	2900 3300 4900 *5050 3150				*3900	3100 *3900 *3900 *3900 3150	2750 3100 *3900 *3900 3000	6.18
	4.5 m		kg kg kg kg kg				*6650 *6650	5100 *6650 *6650 *6650 5100	4400 5050 *6650 *6650 4850	*5100	3250 *5100 *5100 *5100 3250	2850 3250 4850 *5100 3150				3600 *3650	2500 *3650 *3650 *3650 2500	2200 2500 *3650 *3650 2400	7.01
	3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6900 *7650	4700 *7650 *7650 *7650 4750	4050 4700 7300 *7650 4500	4500 *5450	3100 *5450 *5450 *5450 3150	2700 3150 4700 *5450 3000				3250 *3600	2250 *3600 *3600 *3600 2250	1950 2250 3400 *3600 2150	7.44
	1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				*8800	4400 *8800 *8800 *8800 4450	3800 4400 6950 8250 4200	4350 *5950	3000 *5950 *5950 *5950 3000	2600 3000 4550 5350 2850	3150 *4300	2200 *4300 *4300 *4300 2200	1900 2200 3300 3850 2100	3150 *3750	2150 *3750 *3750 *3750 2150	1900 2150 3300 *3750 2050	7.54
	0.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6450 *8550	4300 *8550 *8550 *8550 4300	3650 4250 6800 8100 4050	*6300	2900 *6300 *6300 *6300 2900	2500 2900 4450 5250 2750				3250 *4100	2200 *4100 *4100 *4100 2250	1950 2250 3400 3950 2150	7.32
	−1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg	*7200 *7200	*7200 *7200 *7200 *7200 *7200	6650 *7200 *7200 *7200 *7200	6450 *7450	4300 *7450 *7450 *7450 4300	3650 4250 6800 *7450 4050	4250 *5500	2900 *5500 *5500 *5500 2900	2500 2900 4450 5200 2750				3650 *4300	2500 *4300 *4300 *4300 2500	2150 2500 3800 *4300 2400	6.76
	-3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				*5300 *5300	*5300 *5300 *5300 *5300 4400	3750 4350 *5300 *5300 4150										

**Short Stick** 2100 mm (6'11")

				10.0 ft			15.0 ft			20.0 ft		25.0 ft			450		
<b>&gt;&gt;</b> ⊤		ŀ															
	Undercarriage configuration		<b>₽</b>	7	<b>F</b>		P	<b>F</b>		(P)		M	<b>F</b>				ft
20.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb				*13,500 *13,500	11,400 *13,500 *13,500 *13,500 11,400	10,000 11,400 *13,500 *13,500 10,900	*9,100 *9,100	7,100 *9,100 *9,100 *9,100 7,100	6,200 7,100 *9,100 *9,100 6,800			*8,700 *8,700	7,000 *8,700 *8,700 *8,700 7,000	6,100 7,000 *8,700 *8,700 6,700	20.05
15.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	Ib Ib Ib Ib Ib				*14,300	11,000 *14,300 *14,300 *14,300 11,000	9,500 10,900 *14,300 *14,300 10,400	10,000	7,000 *11,100 *11,100 *11,100 7,000	6,200 7,000 10,500 *11,100 6,700			8,000 *8,100	5,600 *8,100 *8,100 *8,100 5,600	4,900 5,600 *8,100 *8,100 5,400	22.90
10.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb				14,900 *16,400	10,200 *16,400 *16,400 *16,400 10,200	8,800 10,200 15,700 *16,400 9,700	9,700	6,700 *11,800 *11,800 *11,800 6,800	5,900 6,700 10,200 *11,800 6,500			7,200 *8,000	5,000 *8,000 *8,000 *8,000 5,000	4,300 5,000 7,500 *8,000 4,800	24.38
5.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb				14,200 *19,100	9,500 *19,100 *19,100 *19,100 9,600	8,200 9,500 15,000 17,800 9,100	9,400	6,400 *12,800 *12,800 *12,800 6,500	5,600 6,400 9,800 11,500 6,200			6,900 *8,300	4,800 *8,300 *8,300 *8,300 4,800	4,100 4,800 7,200 *8,300 4,600	24.74
0.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	Ib Ib Ib Ib Ib				13,900 *18,600	9,200 *18,600 *18,600 *18,600 9,300	7,900 9,200 14,600 17,400 8,800	9,200	6,300 *13,600 *13,600 *13,600 6,300	5,400 6,300 9,600 11,300 6,000			7,100 *9,000	4,900 *9,000 *9,000 *9,000 4,900	4,300 4,900 7,500 8,700 4,700	24.02
-5.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb	*16,600 *16,600	*16,600 *16,600 *16,600 *16,600	14,300 *16,600 *16,600 *16,100	13,800 *16,200	9,200 *16,200 *16,200 *16,200 9,200	7,900 9,200 14,600 *16,200 8,800	9,100	6,200 *11,800 *11,800 *11,800 6,200	5,400 6,200 9,600 11,200 6,000			8,000 *9,500	5,500 *9,500 *9,500 *9,500 5,500	4,800 5,500 8,400 *9,500 5,300	22.11
-10.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb				·									-		

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

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

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

#### Lift Capacities - Variable Adjustable Boom (5200 mm [17 ft 1 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load over front

Medium Stick 2400 mm (7'10")

Load at maximum reach (sticknose/bucket pin)

			_															
>>-				3.0 m			4.5 m			6.0 m			7.5 m			=	=0	
	Undercarriage configuration		4	7		4	P	Œ		P		<b>P</b>	P	Œ		P	Œ	m
6.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*5450 *5450	5350 *5450 *5450 *5450 5350	4650 5350 *5450 *5450 5100	4750 *4900	3350 *4900 *4900 *4900 3350	2950 3350 *4900 *4900 3200				*3300	2900 *3300 *3300 *3300 2900	2550 2900 *3300 *3300 2750	6.51
4.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*6450 *6450	5150 *6450 *6450 *6450 5150	4450 5100 *6450 *6450 4900	*5000	3300 *5000 *5000 *5000 3300	2850 3300 4900 *5000 3150				*3100 *3100	2350 *3100 *3100 *3100 2350	2050 2350 *3100 *3100 2250	7.30
3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6950 *7350	4750 *7350 *7350 *7350 4800	4100 4750 *7350 *7350 4550	*5300	3150 *5300 *5300 *5300 3150	2750 3150 4700 *5300 3000	3200 *4300	2200 *4300 *4300 *4300 2250	1950 2250 3350 3900 2150	3050 *3100	2100 *3100 *3100 *3100 2150	1850 2150 *3100 *3100 2050	7.71
1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg				6600 *8700	4450 *8700 *8700 *8700 4450	3800 4400 6950 8300 4200	4350 *5800	3000 *5800 *5800 *5800 3000	2600 3000 4550 5300 2850	3150 *4500	2150 *4500 *4500 *4500 2150	1900 2150 3300 3850 2100	2950 *3250	2050 *3250 *3250 *3250 2050	1750 2050 3100 *3250 1950	7.81
0.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg				6400 *8650	4250 *8650 *8650 *8650 4250	3650 4250 6800 8100 4050	*6350	2900 *6350 *6350 *6350 2900	2500 2900 4450 5200 2750	3100 *4650	2150 *4650 *4650 *4650 2150	1850 2150 3250 3800 2050	3050 *3550	2100 *3550 *3550 *3550 2100	1800 2100 3200 *3550 2000	7.60
−1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg	*7150 *7150	*7150 *7150 *7150 *7150 *7150	6550 *7150 *7150 *7150 *7150	6400 *7750	4250 *7750 *7750 *7750 4250	3600 4200 6750 *7750 4000	*5700	2850 *5700 *5700 *5700 2850	2450 2850 4400 5200 2700				3400 *4150	2300 *4150 *4150 *4150 2300	2000 2300 3550 4150 2200	7.05
−3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*5850 *5850	4300 *5850 *5850 *5850 4300	3700 4300 *5850 *5850 4100										

Load over rear

Load over side

→ T Load point height

Medium Stick 2400 mm (7'10")

\ <u>_</u>				10.0 ft			15.0 ft			20.0 ft			25.0 ft			4		
	Undercarriage configuration			P			7			P			P	<b>F</b>		P		ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*12,000	11,500 *12,000 *12,000 *12,000 11,500	10,100 11,500 *12,000 *12,000 11,000	*10,400	7,200 *10,400 *10,400 *10,400 7,200	6,300 7,200 *10,400 *10,400 6,900				*7,300 *7,300	6,500 *7,300 *7,300 *7,300 6,500	5,700 6,500 *7,300 *7,300 6,200	21.13
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*13,900	11,100 *13,900 *13,900 *13,900 11,100	9,600 11,000 *13,900 *13,900 10,500	*10,800	7,100 *10,800 *10,800 *10,800 7,100	6,200 7,100 10,500 *10,800 6,800				*6,900 *6,900	5,200 *6,900 *6,900 *6,900 5,300	4,600 5,300 *6,900 *6,900 5,000	23.85
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				15,000 *15,800	10,300 *15,800 *15,800 *15,800 10,300	8,900 10,300 *15,800 *15,800 9,800	9,700 *11,500	6,800 *11,500 *11,500 *11,500 6,800	5,900 6,800 10,200 *11,500 6,500	6,900 *8,400	4,800 *8,400 *8,400 *8,400 4,800	4,200 4,800 7,200 *8,400 4,600	6,800 *6,800	4,700 *6,800 *6,800 *6,800 4,700	4,100 4,700 *6,800 *6,800 4,500	25.26
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				14,200 *18,800	9,600 *18,800 *18,800 *18,800 9,600	8,200 9,500 15,000 17,800 9,100	9,400 *12,500	6,400 *12,500 *12,500 *12,500 6,400	5,600 6,400 9,800 11,500 6,200	6,800 *9,700	4,700 *9,700 *9,700 *9,700 4,700	4,100 4,700 7,100 8,300 4,500	6,500 *7,100	4,500 *7,100 *7,100 *7,100 4,500	3,900 4,500 6,900 *7,100 4,300	25.62
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				13,800 *18,800	9,200 *18,800 *18,800 *18,800 9,200	7,800 9,200 14,600 17,400 8,700	9,100	6,200 *13,600 *13,600 *13,600 6,200	5,400 6,200 9,600 11,200 5,900				6,700 *7,800	4,600 *7,800 *7,800 *7,800 4,600	4,000 4,600 7,100 *7,800 4,400	24.93
−5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*16,300 *16,300	*16,300 *16,300 *16,300 *16,300 *16,300	14,100 *16,300 *16,300 *16,300 15,900	13,700 *16,800	9,100 *16,800 *16,800 *16,800 9,100	7,800 9,100 14,500 *16,800 8,700	9,100	6,100 *12,300 *12,300 *12,300 6,200	5,300 6,200 9,500 11,200 5,900				7,500 *9,200	5,100 *9,200 *9,200 *9,200 5,100	4,400 5,100 7,900 9,200 4,900	23.10
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*12,500 *12,500	9,300 *12,500 *12,500 *12,500 9,300	8,000 9,300 *12,500 *12,500 8,800										

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

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

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

#### Lift Capacities – Variable Adjustable Boom (5200 mm [17 ft 1 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load at ma	aximum re	ach (sticknose/bucket pin)	1	Load	l over fro	nt		T Loa	d over rea	ar		Loa	ad over si	de		≥ Lo:	ad point h	eight	
Long					3.0 m			4.5 m			6.0 m			7.5 m			#	=	
Stick		Undercarriage configuration		<b>P</b>	7	ŒP	P.	4	GP		7	ŒP	₽A <sub>3</sub>	9	ŒP	P <sub>3</sub>	P	GP	m
2600 mm (8'6")	6.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg		1		*4950 *4950	*4950 *4950 *4950 *4950 *4950	4700 *4950 *4950 *4950 *4950	4750 *4800	3400 *4800 *4800 *4800 3400	2950 3400 4800 *4800 3250	)			*3000	2750 *3000 *3000 *3000 2750	2400 2750 *3000 *3000 2650	6.74
	4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*5850 *5850	5200 *5850 *5850 *5850 5200	4500 5150 *5850 *5850 4950	4700 *4900	3300 *4900 *4900 *4900 3300	2900 3300 4900 *4900 3150	*2900 *2900	2250 *2900 *2900 *2900 2300	2000 2300 *2900 *2900 2200	*2850 *2850	2250 *2850 *2850 *2850 2250	2000 2250 *2850 *2850 2200	7.51
	3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg				7000 *7150	4800 *7150 *7150 *7150 4800	4150 4800 *7150 *7150 4600	4500 *5200	3150 *5200 *5200 *5200 3150	2750 3150 4750 *5200 3000	3200 *4200	2250 *4200 *4200 *4200 2250	1950 2250 3400 3900 2150	*2850 *2850	2050 *2850 *2850 *2850 2050	1800 2050 *2850 *2850 1950	7.91
	1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg				6650 *8600	*8600 *8600 *8600 *8600 4500	3850 4450 7000 8300 4250	4350 *5700	3000 *5700 *5700 *5700 3000	2600 3000 4550 5350 2850	3150 *4400	2150 *4400 *4400 *4400 2150	1900 2200 3300 3850 2100	2850 *2950	1950 *2950 *2950 *2950 1950	1700 2000 *2950 *2950 1900	8.00
	0.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6450 *8700	4250 *8700 *8700 *8700 4300	3650 4250 6800 8100 4050	*6250	2900 *6250 *6250 *6250 2900	2500 2900 4450 5200 2750	3100 *4650	2100 4650 *4650 *4650 2150	1850 2150 3250 3800 2050	2950 *3200	2000 *3200 *3200 *3200 2000	1750 2000 3100 *3200 1950	7.80
	−1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg	*6900 *6900	*6900 *6900 *6900 *6900 *6900	6550 *6900 *6900 *6900 *6900	6400 *7900	4250 *7900 *7900 *7900 4250	3600 4200 6750 *7900 4000	4200 *5800	2850 *5800 *5800 *5800 2850	2450 2850 4400 5150 2700				3250 *3750	2200 *3750 *3750 *3750 2200	1900 2200 3400 *3750 2150	7.27
	−3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*6150 *6150	4300 *6150 *6150 *6150 4300	3650 4300 *6150 *6150 4050	*4250 *4250	2900 *4250 *4250 *4250 2900	2500 2900 *4250 *4250 2750				*3600 *3600	2700 *3600 *3600 *3600 2750	2350 2700 *3600 *3600 2600	6.33
Long			П		10.0 ft			15.0 ft			20.0 ft			25.0 ft					
Stick	] ] ]	Undercarriage configuration		P.	P	Œ.		Q-	G-		Q-	G-		P	Œ.	<b>A</b>	Ą		ft
2600 mm (8'6")	20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb	0			*10,900	*10,900 *10,900 *10,900 *10,900 *10,900	10,100 *10,900 *10,900 *10,900 *10,900	*10,200	7,200 *10,200 *10,200 *10,200 7,300	6,400 7,200 *10,200 *10,200 7,000				*6,700	6,100 *6,700 *6,700 *6,700 6,200	5,400 6,200 *6,700 *6,700 5,900	21.92
	15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb				*12,600	11,200 *12,600 *12,600 *12,600 11,200	9,700 11,100 *12,600 *12,600 10,600	10,100 *10,700	7,100 *10,700 *10,700 *10,700 7,100	6,200 7,100 10,600 *10,700 6,800				*6,300 *6,300	5,000 *6,300 *6,300 *6,300 5,000	4,400 5,000 *6,300 *6,300 4,800	24.54
	10.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb lb				15,100 *15,400	10,400 *15,400 *15,400 *15,400 10,400	9,000 10,300 *15,400 *15,400 9,900	9,700 *11,300	6,800 *11,300 *11,300 *11,300 6,800	5,900 6,800 10,200 *11,300 6,500	6,900 *9,100	4,800 *9,100 *9,100 *9,100 4,800	4,200 4,800 7,300 8,400 4,600	*6,200	4,500 *6,200 *6,200 *6,200 4,500	3,900 4,500 *6,200 *6,200 4,300	25.92
	5.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb				14,300 *18,400	9,600 *18,400 *18,400 *18,400 9,700	8,300 9,600 15,100 17,900 9,200	9,400 *12,300	6,500 *12,300 *12,300 *12,300 6,500	5,600 6,500 9,900 11,500 6,200	6,800 *9,600	4,700 *9,600 *9,600 *9,600 4,700	4,100 4,700 7,100 8,300 4,500	6,300 *6,500	4,300 *6,500 *6,500 *6,500 4,300	3,800 4,400 *6,500 *6,500 4,200	26.25
	0.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb lb				13,800	9,200 *18,900 *18,900 *18,900 9,200	7,900 9,200 14,600 17,400 8,700	9,100 *13,500	6,200 *13,500 *13,500 *13,500 6,200	5,400 6,200 9,600 11,200 5,900	6,700 *10,100	4,600 10,000 *10,100 *10,100 4,600	4,000 4,600 7,000 8,200 4,400	6,500 *7,100	4,400 *7,100 *7,100 *7,100 4,400	3,900 4,500 6,800 *7,100 4,300	25.59
	-5.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*15,700 *15,700	*15,700 *15,700 *15,700 *15,700 *15,700	14,000 *15,700 *15,700 *15,700 *15,700	13,700 *17,100	9,100 *17,100 *17,100 *17,100 9,100	7,800 9,100 14,500 *17,100 8,600	9,000 *12,500	6,100 *12,500 *12,500 *12,500 6,100	5,300 6,100 9,500 11,100 5,900				7,200 *8,300	4,900 *8,300 *8,300 *8,300 4,900	4,200 4,900 7,500 *8,300 4,700	23.82
	-10.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb lb				*13,200 *13,200	9,300 *13,200 *13,200 *13,200 9,300	7,900 9,200 *13,200 *13,200 8,800	*8,800 *8,800	6,300 *8,800 *8,800 *8,800 6,300	5,400 6,300 *8,800 *8,800 6,000							

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

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

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

#### Lift Capacities - Variable Adjustable Boom (5200 mm [17 ft 1 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load over front

Industrial Stick 3100 mm (10'2")

Load at maximum reach (sticknose/bucket pin)

							1 '											
>>-				3.0 m			4.5 m			6.0 m			7.5 m				=0	
	Undercarriage configuration			7	Œ	4	P	Œ		4	Œ	<b>P</b>	4	Œ		P		m
6.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg							*4650 *4650	3650 *4650 *4650 *4650 3700	3250 3650 *4650 *4650 3550				*3250 *3250	2750 *3250 *3250 *3250 2750	2450 2750 *3250 *3250 2650	7.17
4.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*5050 *5050	*5050 *5050 *5050 *5050 *5050	4850 *5050 *5050 *5050 *5050	*5000 *5000	3600 *5000 *5000 *5000 3600	3200 3600 *5000 *5000 3450	3550 *4200	2550 *4200 *4200 *4200 2550	2300 2550 3700 *4200 2500	*3150 *3150	2350 *3150 *3150 *3150 2350	2100 2350 *3150 *3150 2300	7.89
3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*7050 *7050	5200 *7050 *7050 *7050 5200	4550 5150 *7050 *7050 4950	*5300	3450 *5300 *5300 *5300 3450	3050 3450 5050 *5300 3300	3500 *4350	2500 *4350 *4350 *4350 2500	2200 2500 3650 4200 2400	3000 *3200	2150 *3200 *3200 *3200 2150	1900 2150 3150 *3200 2100	8.27
1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				7050 *8400	4850 *8400 *8400 *8400 4850	4200 4850 7400 *8400 4600	*5800	3300 *5800 *5800 *5800 3300	2900 3300 4850 5650 3150	3400 *4550	2450 *4550 *4550 *4550 2450	2150 2450 3550 4100 2350	2950 *3350	2100 *3350 *3350 *3350 2100	1850 2100 3050 *3350 2000	8.36
0.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6800 *9150	4600 *9150 *9150 *9150 4650	4000 4600 7150 8450 4400	4500 *6350	3150 *6350 *6350 *6350 3150	2750 3150 4750 5500 3050	3350 *4800	2350 *4800 *4800 *4800 2400	2100 2400 3500 4050 2300	3000 *3700	2100 *3700 *3700 *3700 2150	1900 2150 3150 3600 2050	8.17
–1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg	*7350 *7350	*7350 *7350 *7350 *7350 *7350	6850 *7350 *7350 *7350 *7350	6700 *8650	4550 *8650 *8650 *8650 4550	3900 4500 7050 8350 4300	*6400	3100 *6400 *6400 *6400 3100	2700 3100 4650 5450 3000	3350 *4700	2350 *4700 *4700 *4700 2350	2050 2350 3500 4000 2250	3250 *4350	2300 *4350 *4350 *4350 2300	2000 2300 3400 3900 2200	7.66
−3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg	*9800 *9800	*9800 *9800 *9800 *9800 8400	6950 8300 *9800 *9800 7800	6700 *7250	4550 *7250 *7250 *7250 4550	3900 4550 7050 *7250 4350	*5300	3100 *5300 *5300 *5300 3100	2700 3100 4700 *5300 3000				3800 *4150	2700 *4150 *4150 *4150 2700	2350 2700 4000 *4150 2600	6.79

Load over rear

Load over side

→ T Load point height

Industrial Stick 3100 mm (10'2")

	vvide axie rear dozer up	кy		0400	7000		4000	4300		3100	3000					2700	2000	
<u></u>			10.0 ft				15.0 ft			20.0 ft			25.0 ft				=	
	Undercarriage configuration			Q-	ŒP		Q-	ŒP	4	P	ŒP		P	<b>F</b>		P	GP	ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib							*10,100	7,900 *10,100 *10,100 *10,100 7,900	7,000 7,900 *10,100 *10,100 7,600				*7,200 *7,200	6,200 *7,200 *7,200 *7,200 6,200	5,500 6,200 *7,200 *7,200 6,000	23.33
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib				*11,100	*11,100 *11,100 *11,100 *11,100 *11,100	10,400 *11,100 *11,100 *11,100 *11,100	10,700 *10,900	7,800 *10,900 *10,900 *10,900 7,800	6,900 7,800 *10,900 *10,900 7,500	7,600 *8,600	5,500 *8,600 *8,600 *8,600 5,500	4,900 5,500 8,000 *8,600 5,300	*6,900 *6,900	5,200 *6,900 *6,900 *6,900 5,200	4,600 5,300 *6,900 *6,900 5,100	25.82
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib				*15,300 *15,300	11,200 *15,300 *15,300 *15,300 11,200	9,800 11,200 *15,300 *15,300 10,700	*11,500	7,400 *11,500 *11,500 *11,500 7,500	6,600 7,500 10,900 *11,500 7,200	7,500 *9,400	5,400 *9,400 *9,400 *9,400 5,400	4,800 5,400 7,900 9,000 5,200	6,700 *7,000	4,800 *7,000 *7,000 *7,000 4,800	4,200 4,800 7,000 *7,000 4,600	27.10
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib				15,100 *18,000	10,500 *18,000 *18,000 *18,000 10,500	9,100 10,400 15,900 *18,000 10,000	10,000 *12,500	7,100 *12,500 *12,500 *12,500 7,100	6,300 7,100 10,500 12,200 6,800	7,400 *9,800	5,300 *9,800 *9,800 *9,800 5,300	4,600 5,300 7,700 8,900 5,100	6,500 *7,400	4,600 *7,400 *7,400 *7,400 4,600	4,100 4,600 6,800 *7,400 4,400	27.43
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib Ib				14,600 *19,800	10,000 *19,800 *19,800 *19,800 10,000	8,600 9,900 15,400 18,200 9,500	9,800 *13,700	6,800 *13,700 *13,700 *13,700 6,900	6,000 6,800 10,200 11,900 6,600	7,200 *10,400	5,100 *10,400 *10,400 *10,400 5,100	4,500 5,100 7,600 8,700 4,900	6,600 *8,200	4,700 *8,200 *8,200 *8,200 4,700	4,100 4,700 6,900 7,900 4,500	26.80
–5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib Ib	*16,700	*16,700 *16,700 *16,700 *16,700 *16,700	14,800 *16,700 *16,700 *16,700 16,600	14,400 *18,700	9,800 *18,700 *18,700 *18,700 9,800	8,400 9,700 15,200 17,900 9,300	9,600 *13,800	6,700 *13,800 *13,800 *13,800 6,700	5,900 6,700 10,100 11,700 6,400	7,200 *10,000	5,100 *10,000 *10,000 *10,000 5,100	4,500 5,100 7,500 8,700 4,900	7,200 *9,600	5,100 *9,600 *9,600 *9,600 5,100	4,500 5,100 7,500 8,600 4,900	25.10
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib Ib	*21,200	18,000 *21,200 *21,200 *21,200 18,100	15,000 17,800 *21,200 *21,200 16,800	14,400 *15,600	9,800 *15,600 *15,600 *15,600 9,800	8,500 9,800 15,200 *15,600 9,300	9,600 *11,200	6,700 *11,200 *11,200 *11,200 6,800	5,900 6,700 10,100 *11,200 6,500				8,500 *9,200	6,000 *9,200 *9,200 *9,200 6,000	5,200 6,000 8,900 *9,200 5,700	22.15

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

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

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

#### Lift Capacities - One-Piece Boom (5050 mm [16 ft 7 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load at ma	aximum re	ach (sticknose/bucket pin)	[	Load	over fror	nt		P Load	over rea	r		GP Los	nd over si	de		≥ Loa	ad point h	eight	
Short	\				3.0 m			4.5 m			6.0 m			7.5 m				=	
Stick 2100 mm		Undercarriage configuration			7	æ	4	P	4	4	P	œ	A.	7	æ	<b>4</b>	P	4	m
(6'11")	6.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg													*3850 *3850	3350 *3850 *3850 *3850 3350	2950 3350 *3850 *3850 3200	5.93
	4.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*6650 *6650	5100 *6650 *6650 *6650 5100	4450 5050 *6650 *6650 4850	*5650	3300 *5650 *5650 *5650 3300	2900 3300 4850 5600 3150				*3600	2650 *3600 *3600 *3600 2700	2350 2700 *3600 *3600 2600	6.80
	3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6950 *7900	4800 *7900 *7900 *7900 4800	4150 4750 7300 *7900 4550	4500 *6050	3150 *6050 *6050 *6050 3150	2750 3150 4700 5500 3050				3400 *3600	2400 *3600 *3600 *3600 2400	2100 2400 3550 *3600 2300	7.24
	1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6650 *8850	4500 *8850 *8850 *8850 4500	3900 4500 7000 8300 4300	4350 *6450	3050 *6450 *6450 *6450 3050	2650 3050 4600 5350 2900				3300 *3800	2300 *3800 *3800 *3800 2300	2000 2300 3450 *3800 2200	7.34
	0.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6500 *8850	4350 *8850 *8850 *8850 4400	3750 4350 6850 8150 4150	4300 *6450	2950 *6450 *6450 *6450 2950	2600 2950 4500 5250 2850				3400 *4250	2350 *4250 *4250 *4250 2350	2050 2350 3550 4100 2250	7.11
	−1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg	*8850 *8850	8200 *8850 *8850 *8850 8200	6800 8100 *8850 *8850 7650	6500 *8000	4350 *8000 *8000 *8000 4350	3750 4350 6850 *8000 4150	4250 *5800	2950 *5800 *5800 *5800 2950	2550 2950 4500 5250 2800				3800 *4950	2650 *4950 *4950 *4950 2650	2300 2650 4000 4650 2550	6.53
	−3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg	*7850 *7850	*7850 *7850 *7850 *7850 *7850	6950 *7850 *7850 *7850 7800	*5950 *5950	4450 *5950 *5950 *5950 4450	3850 4450 *5950 *5950 4250							*4300 *4300	3450 *4300 *4300 *4300 3450	3000 3450 *4300 *4300 3300	5.46

Short Stick 2100 mm (6'11")

				10.0 ft			15.0 ft			20.0 ft		25.0 ft				=	
	Undercarriage configuration			P	Œ		P	Œ		P	GP	P	æ		P	œP	ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb												*8,600 *8,600	7,500 *8,600 *8,600 *8,600 7,600	6,600 7,600 *8,600 *8,600 7,300	19.23
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*14,400	11,000 *14,400 *14,400 *14,400 11,000	9,600 10,900 *14,400 *14,400 10,500	10,000 *12,300	7,100 *12,300 *12,300 *12,300 7,100	6,200 7,100 10,400 12,100 6,800			*8,000 *8,000	5,900 *8,000 *8,000 *8,000 6,000	5,200 6,000 *8,000 *8,000 5,700	22.21
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				15,000 *17,000	10,300 *17,000 *17,000 *17,000 10,400	9,000 10,300 15,800 *17,000 9,900	9,700	6,800 *13,200 *13,200 *13,200 6,800	6,000 6,800 10,200 11,800 6,600			7,500 *8,000	5,300 *8,000 *8,000 *8,000 5,300	4,600 5,300 7,900 *8,000 5,100	23.72
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				14,300 *19,100	9,700 *19,100 *19,100 *19,100 9,800	8,400 9,700 15,100 17,800 9,300	9,400	6,600 *14,000 *14,000 *14,000 6,600	5,700 6,600 9,900 11,500 6,300			7,200 *8,400	5,000 *8,400 *8,400 *8,400 5,100	4,400 5,100 7,600 *8,400 4,900	24.08
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				14,000 *19,200	9,400 *19,200 *19,200 *19,200 9,500	8,100 9,400 14,800 17,500 9,000	9,200	6,400 *14,000 *14,000 *14,000 6,400	5,600 6,400 9,700 11,300 6,100			7,500 *9,400	5,200 *9,400 *9,400 *9,400 5,200	4,500 5,200 7,800 9,100 5,000	23.33
-5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*20,300 *20,300	17,600 *20,300 *20,300 *20,300 17,600	14,600 17,400 *20,300 *20,300 16,400	13,900 *17,300	9,400 *17,300 *17,300 *17,300 9,400	8,100 9,400 14,700 *17,300 8,900	9,200	6,400 *12,400 *12,400 *12,400 6,400	5,500 6,400 9,700 11,300 6,100			8,400 *10,900	5,900 *10,900 *10,900 *10,900 5,900	5,100 5,900 8,900 10,300 5,600	21.39
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*16,900 *16,900	*16,900 *16,900 *16,900 *16,900 *16,900	14,900 *16,900 *16,900 *16,900 16,700	*12,700 *12,700	9,600 *12,700 *12,700 *12,700 9,600	8,300 9,600 *12,700 *12,700 9,100						*9,400 *9,400	7,700 *9,400 *9,400 *9,400 7,700	6,700 7,700 *9,400 *9,400 7,300	17.78

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

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

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

#### Lift Capacities - One-Piece Boom (5050 mm [16 ft 7 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Medium Stick 2400 mm (7'10")

Load at maximum reach (sticknose/bucket pin)

aximum re	ach (sticknose/bucket pin)		Load	l over fro	nt		Load	d over rea	r	1	Loa	ıd over si	de		Loa	ad point h	eight	
<b>&gt;</b> →				3.0 m			4.5 m			6.0 m			7.5 m				=	
	Undercarriage configuration			P	Œ		P	æ		P	Œ		P	æ		P	Œ	m
6.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg							*4300 *4300	3350 *4300 *4300 *4300 3350	2950 3350 *4300 *4300 3200				*3250 *3250	3100 *3250 *3250 *3250 3100	2750 3100 *3250 *3250 3000	6.25
4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				*6300 *6300	5150 *6300 *6300 *6300 5150	4500 5100 *6300 *6300 4900	4650 *5400	3300 *5400 *5400 *5400 3300	2900 3300 4850 *5400 3150				*3100 *3100	2500 *3100 *3100 *3100 2500	2200 2500 *3100 *3100 2400	7.08
3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				7000 *7600	4800 *7600 *7600 *7600 4850	4200 4800 7350 *7600 4600	4500 *5900	3150 *5900 *5900 *5900 3150	2800 3150 4750 5500 3050				*3100 *3100	2250 *3100 *3100 *3100 2250	2000 2250 *3100 *3100 2150	7.50
1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6650 *8650	4500 *8650 *8650 *8650 4550	3900 4500 7000 8300 4300	4350 *6350	3050 *6350 *6350 *6350 3050	2650 3050 4600 5350 2900	3150 *4150	2200 *4150 *4150 *4150 2200	1950 2200 3300 3850 2100	3100 *3300	2150 *3300 *3300 *3300 2150	1900 2150 3250 *3300 2100	7.60
0.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6500 *8900	4350 *8900 *8900 *8900 4350	3750 4350 6850 8100 4150	4250 *6500	2950 *6500 *6500 *6500 2950	2550 2950 4500 5250 2800				3200 *3650	2200 *3650 *3650 *3650 2200	1950 2250 3350 *3650 2150	7.38
−1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*8550 *8550	8100 *8550 *8550 *8550 8100	6700 8000 *8550 *8550 7550	6450 *8200	4300 *8200 *8200 *8200 4350	3700 4300 6800 8050 4100	4250 *6000	2900 *6000 *6000 *6000 2900	2550 2900 4450 5200 2800				3550 *4450	2450 *4450 *4450 *4450 2450	2150 2500 3750 4350 2350	6.82
-3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg	*8750 *8750	8250 *8750 *8750 *8750 8250	6850 8150 *8750 *8750 7700	*6500 *6500	*6500 *6500 *6500 *6500 4400	3750 4400 *6500 *6500 4150							*4400 *4400	3100 *4400 *4400 *4400 3100	2700 3100 *4400 *4400 3000	5.81

Medium Stick 2400 mm (7'10'')

<b>&gt;&gt;</b> →				10.0 ft			15.0 ft			20.0 ft		25.0 ft		-		
	Undercarriage configuration			ħ			V	æ		V		7		P	Œ	ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb							*8,300 *8,300	7,100 *8,300 *8,300 *8,300 7,200	6,300 7,200 *8,300 *8,300 6,900		*7,200 *7,200	7,000 *7,200 *7,200 *7,200 7,000	6,100 7,000 *7,200 *7,200 6,700	20.31
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*13,700	11,100 *13,700 *13,700 *13,700 11,100	9,700 11,000 *13,700 *13,700 10,600	10,000 *11,800	7,100 *11,800 *11,800 *11,800 7,100	6,200 7,100 10,500 *11,800 6,800		*6,800	5,600 *6,800 *6,800 *6,800 5,600	4,900 5,600 *6,800 *6,800 5,400	23.13
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				15,100 *16,400	10,400 *16,400 *16,400 *16,400 10,400	9,000 10,400 15,800 *16,400 9,900	9,700 *12,800	6,800 *12,800 *12,800 *12,800 6,800	6,000 6,800 10,200 11,800 6,600		*6,900 *6,900	5,000 *6,900 *6,900 *6,900 5,000	4,400 5,000 *6,900 *6,900 4,800	24.57
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				14,300 *18,700	9,800 *18,700 *18,700 *18,700 9,800	8,400 9,700 15,100 17,900 9,300	9,400 *13,800	6,500 *13,800 *13,800 *13,800 6,600	5,700 6,600 9,900 11,500 6,300		6,900 *7,200	4,800 *7,200 *7,200 *7,200 4,800	4,200 4,800 7,200 *7,200 4,600	24.93
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*9,700 *9,700	*9,700 *9,700 *9,700 *9,700 *9,700	*9,700 *9,700 *9,700 *9,700 *9,700	13,900 *19,300	9,400 *19,300 *19,300 *19,300 9,400	8,100 9,400 14,700 17,400 8,900	9,200	6,300 *14,000 *14,000 *14,000 6,300	5,500 6,400 9,700 11,300 6,100		7,100 *8,100	4,900 *8,100 *8,100 *8,100 4,900	4,300 4,900 7,400 *8,100 4,700	24.21
−5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*19,600 *19,600	17,400 *19,600 *19,600 *19,600 17,400	14,400 17,200 *19,600 *19,600 16,200	13,900 *17,800	9,300 *17,800 *17,800 *17,800 9,300	8,000 9,300 14,600 17,300 8,900	9,100 *12,900	6,300 *12,900 *12,900 *12,900 6,300	5,500 6,300 9,600 11,200 6,000		7,900 *9,800	5,500 *9,800 *9,800 *9,800 5,500	4,800 5,500 8,300 9,600 5,200	22.34
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*18,800	17,700 *18,800 *18,800 *18,800 17,700	14,700 17,500 *18,800 *18,800 16,500	*13,900 *13,900	9,500 *13,900 *13,900 *13,900 9,500	8,100 9,400 *13,900 *13,900 9,000					*9,600 *9,600	6,900 *9,600 *9,600 *9,600 7,000	6,000 6,900 *9,600 *9,600 6,600	18.93

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

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

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

#### Lift Capacities - One-Piece Boom (5050 mm [16 ft 7 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load at m	aximum re	ach (sticknose/bucket pin)		Load	l over fro	nt		P Load	over rea	r	(	Loa	d over sid	de		No.	ıd point h	eight	
Long	<u></u>				3.0 m			4.5 m			6.0 m			7.5 m				=	
Stick 2600 mm		Undercarriage configuration		0	P	æ	P.	P	æ	4	7	æ	4	7	Œ	4	7	æ	m
(8'6")	6.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg							*4400 *4400	3350 *4400 *4400 *4400 3400	2950 3350 *4400 *4400 3250				*2950 *2950	2950 *2950 *2950 *2950 2950	2600 2950 *2950 *2950 2850	6.49
	4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg							*5300	3300 *5300 *5300 *5300 3300	2900 3300 4900 *5300 3200				*2800 *2800	2400 *2800 *2800 *2800 2400	2100 2400 *2800 *2800 2300	7.28
	3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				7050 *7400	4850 *7400 *7400 *7400 4850	4200 4850 *7400 *7400 4650	4550 *5800	3200 *5800 *5800 *5800 3200	2800 3200 4750 5500 3050	3250 *3950	2250 *3950 *3950 *3950 2250	2000 2250 3400 3900 2200	*2850 *2850	2150 *2850 *2850 *2850 2150	1900 2200 *2850 *2850 2100	7.69
	1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6700 *8550	4550 *8550 *8550 *8550 4550	3900 4550 7050 8350 4350	*6300	3050 *6300 *6300 *6300 3050	2650 3050 4600 5350 2900	3150 *4800	2200 4700 *4800 *4800 2200	1950 2200 3300 3850 2100	*3000	2100 *3000 *3000 *3000 2100	1850 2100 *3000 *3000 2000	7.79
	0.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*4450 *4450	*4450 *4450 *4450 *4450 *4450	*4450 *4450 *4450 *4450 *4450	6500 *8900	4350 *8900 *8900 *8900 4400	3750 4350 6850 8150 4150	*6500	2950 *6500 *6500 *6500 2950	2550 2950 4500 5250 2800	3150 *4050	2150 *4050 *4050 *4050 2150	1900 2200 3300 3800 2100	3100 *3300	2150 *3300 *3300 *3300 2150	1850 2150 3250 *3300 2050	7.58
	−1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*8200 *8200	8050 *8200 *8200 *8200 8100	6700 7950 *8200 *8200 7500	6450 *8350	4300 *8350 *8350 *8350 4300	3700 4300 6800 8050 4100	*6100	2900 *6100 *6100 *6100 2900	2500 2900 4450 5200 2800				3400 *3950	2350 *3950 *3950 *3950 2350	2050 2350 3600 *3950 2250	7.03
	-3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg	*9300 *9300	8200 *9300 *9300 *9300 8250	6800 8100 *9300 *9300 7650	6500 *6800	4350 *6800 *6800 *6800 4350	3750 4350 *6800 *6800 4150	4300 *4500	2950 *4500 *4500 *4500 2950	2600 2950 *4500 *4500 2850				4250 *4350	2900 *4350 *4350 *4350 2950	2550 2950 *4350 *4350 2800	6.06

**Long Stick** 2600 mm (8'6")

				10.0 ft			15.0 ft			20.0 ft			25.0 ft			<u></u>	7	
	Undercarriage configuration			P	æ		Q-	æ		P	GP	A	P	<b>P</b>	A	P	Ġ	ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib							*9,000 *9,000	7,200 *9,000 *9,000 *9,000 7,200	6,400 7,200 *9,000 *9,000 7,000				*6,600 *6,600	*6,600 *6,600 *6,600 *6,600 *6,600	5,800 *6,600 *6,600 *6,600 6,300	21.06
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib Ib							10,100 *11,500	7,100 *11,500 *11,500 *11,500 7,200	6,300 7,100 10,500 *11,500 6,900				*6,200 *6,200	5,400 *6,200 *6,200 *6,200 5,400	4,700 5,400 *6,200 *6,200 5,200	23.79
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib				15,200 *16,000	10,500 *16,000 *16,000 *16,000 10,500	9,100 10,500 15,900 *16,000 10,000	9,800	6,900 *12,600 *12,600 *12,600 6,900	6,000 6,900 10,200 11,900 6,600	6,900 *7,200	4,900 *7,200 *7,200 *7,200 4,900	4,300 4,900 *7,200 *7,200 4,700	*6,300 *6,300	4,800 *6,300 *6,300 *6,300 4,800	4,200 4,800 *6,300 *6,300 4,600	25.20
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib				14,400 *18,500	9,800 *18,500 *18,500 *18,500 9,800	8,500 9,800 15,200 17,900 9,400	9,400	6,600 *13,700 *13,700 *13,700 6,600	5,700 6,600 9,900 11,500 6,300	6,800 *9,200	4,800 *9,200 *9,200 *9,200 4,800	4,200 4,800 7,200 8,300 4,600	*6,600	4,600 *6,600 *6,600 *6,600 4,600	4,000 4,600 *6,600 *6,600 4,400	25.56
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib Ib	*10,300	*10,300 *10,300 *10,300 *10,300 *10,300	*10,300 *10,300 *10,300 *10,300 *10,300	*19,300	9,400 *19,300 *19,300 *19,300 9,400	8,100 9,400 14,700 17,500 9,000	9,200	6,300 *14,000 *14,000 *14,000 6,400	5,500 6,400 9,700 11,300 6,100				6,800 *7,300	4,700 *7,300 *7,300 *7,300 4,700	4,100 4,700 7,100 *7,300 4,500	24.87
-5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib	*18,800	17,300 *18,800 *18,800 *18,800 17,400	14,400 17,100 *18,800 *18,800 16,200	13,800 *18,100	9,300 *18,100 *18,100 *18,100 9,300	8,000 9,300 14,600 17,300 8,800	9,100	6,300 *13,100 *13,100 *13,100 6,300	5,400 6,300 9,600 11,200 6,000				7,500 *8,800	5,200 *8,800 *8,800 *8,800 5,200	4,600 5,200 7,900 *8,800 5,000	23.03
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib	*20,100 *20,100	17,600 *20,100 *20,100 *20,100 17,700	14,600 17,400 *20,100 *20,100 16,400	14,000 *14,600	9,400 *14,600 *14,600 *14,600 9,400	8,100 9,400 *14,600 *14,600 9,000							9,400 *9,600	6,500 *9,600 *9,600 *9,600 6,500	5,700 6,500 *9,600 *9,600 6,200	19.75

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

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

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

#### Lift Capacities - One-Piece Boom (5050 mm [16 ft 7 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load over front

Industrial Stick 3100 mm (10'2")

Load at maximum reach (sticknose/bucket pin)

							-											
<b>&gt;&gt;</b> _				3.0 m			4.5 m			6.0 m			7.5 m			=	=	
	Undercarriage configuration									P		4	P				<b>P</b>	m
6.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg							*4500 *4500	3650 *4500 *4500 *4500 3650	3250 3650 *4500 *4500 3550				*3200	2950 *3200 *3200 *3200 2950	2650 2950 *3200 *3200 2850	6.89
4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg							4950 *5150	3600 *5150 *5150 *5150 3600	3200 3600 *5150 *5150 3450	3550 *3600	2600 *3600 *3600 *3600 2600	2300 2600 *3600 *3600 2500	*3150 *3150	2500 *3150 *3150 *3150 2500	2250 2500 *3150 *3150 2400	7.64
3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				*7150 *7150	5200 *7150 *7150 *7150 5250	4550 5200 *7150 *7150 5000	4800 *5800	3450 *5800 *5800 *5800 3500	3100 3500 5050 *5800 3350	3500 *4750	2550 *4750 *4750 *4750 2550	2250 2550 3650 4200 2450	3150 *3200	2300 *3200 *3200 *3200 2300	2050 2300 *3200 *3200 2200	8.03
1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				7050 *8550	4900 *8550 *8550 *8550 4900	4300 4900 7450 *8550 4700	4650 *6400	3350 *6400 *6400 *6400 3350	2950 3350 4900 5650 3200	3450 *5300	2450 4950 5100 5200 2450	2200 2500 3600 4100 2400	3050 *3450	2200 *3450 *3450 *3450 2200	1950 2200 3200 *3450 2150	8.12
0.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*5850 *5850	*5850 *5850 *5850 *5850 *5850	*5850 *5850 *5850 *5850 *5850	6850 *9250	4700 *9250 *9250 *9250 4700	4100 4700 7200 8500 4500	4550 *6750	3200 *6750 *6750 *6750 3250	2850 3250 4750 5500 3100	3350 *5350	2400 4900 5050 5150 2400	2150 2400 3550 4050 2350	3150 *3850	2250 *3850 *3850 *3850 2250	2000 2250 3300 3750 2150	7.92
-1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*8600 *8600	8450 *8600 *8600 *8600 8450	7000 8300 *8600 *8600 7850	6750 *9000	4600 *9000 *9000 *9000 4600	4000 4600 7100 8400 4400	4500 *6600	3150 *6600 *6600 *6600 3150	2800 3150 4700 5450 3050				3400 *4600	2450 *4600 *4600 *4600 2450	2150 2450 3550 4100 2350	7.40
−3.0 m		kg kg kg kg kg	*11 000	8500 *11 000 *11 000 *11 000 8500	7100 8400 *11 000 *11 000 7950	6750 *7800	4600 *7800 *7800 *7800 4650	4000 4600 7100 *7800 4400	4500 *5600	3150 *5600 *5600 *5600 3150	2800 3150 4700 5450 3050				4050 *4900	2900 *4900 *4900 *4900 2900	2550 2900 4250 *4900 2800	6.49
–4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*7100 *7100	*7100 *7100 *7100 *7100 *7100	*7100 *7100 *7100 *7100 *7100	*5000 *5000	4750 *5000 *5000 *5000 4750	4100 4750 *5000 *5000 4550							*4300 *4300	4200 *4300 *4300 *4300 4200	3650 4200 *4300 *4300 4000	4.95

Load over rear

Load over side

T Load point height

Industrial Stick 3100 mm (10'2")

\				10.0 ft			15.0 ft			20.0 ft			25.0 ft			-		
,	Undercarriage configuration			P	ŒP		P	<b>F</b>		P			P			P	<b>E</b>	ft
20.0 ft	Rear dozer down	म म म म म							*9,600 *9,600	7,900 *9,600 *9,600 *9,600 7,900	7,000 7,900 *9,600 *9,600 7,600				*7,100 *7,100	6,600 *7,100 *7,100 *7,100 6,600	5,900 6,600 *7,100 *7,100 6,400	22.38
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb							10,700 *11,200	7,800 *11,200 *11,200 *11,200 7,800	6,900 7,800 11,200 *11,200 7,500				*6,900 *6,900	5,600 *6,900 *6,900 *6,900 5,600	5,000 5,600 *6,900 *6,900 5,400	24.97
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	म म म म				*15,500 *15,500	11,300 *15,500 *15,500 *15,500 11,300	9,900 11,200 *15,500 *15,500 10,800	10,400 *12,600	7,500 *12,600 *12,600 *12,600 7,500	6,700 7,500 10,900 12,500 7,200	7,500 *9,800	5,500 *9,800 *9,800 *9,800 5,500	4,900 5,500 7,900 9,000 5,300	7,000 *7,100	5,100 *7,100 *7,100 *7,100 5,100	4,500 5,100 *7,100 *7,100 4,900	26.31
5.0 ft	Rear dozer down	Ы Ы Ы Ы Ы				15,200 *18,500	10,600 *18,500 *18,500 *18,500 10,600	9,300 10,600 16,000 *18,500 10,100	*13,900	7,200 *13,900 *13,900 *13,900 7,200	6,400 7,200 10,600 12,200 6,900	7,400 *11,500	5,300 10,700 11,000 11,200 5,300	4,700 5,300 7,700 8,900 5,100	6,800 *7,600	4,900 *7,600 *7,600 *7,600 4,900	4,300 4,900 7,100 *7,600 4,700	26.64
0.0 ft	Dozer and stabilizer down 2 sets of stabilizers down	19 19 19 19 19 19 19 19	*13,400	*13,400 *13,400 *13,400 *13,400 *13,400	*13,400 *13,400 *13,400 *13,400 *13,400	14,700 *20,000	10,100 *20,000 *20,000 *20,000 10,200	8,800 10,100 15,500 18,200 9,700	9,800 *14,700	7,000 *14,700 *14,700 *14,700 7,000	6,100 7,000 10,300 11,900 6,700	7,300 *11,500	5,200 10,500 10,900 11,100 5,200	4,600 5,200 7,600 8,700 5,000	6,900 *8,500	5,000 *8,500 *8,500 *8,500 5,000	4,400 5,000 7,200 8,300 4,800	25.98
−5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*19,500 *19,500	18,100 *19,500 *19,500 *19,500 18,100	15,100 17,900 *19,500 *19,500 16,900	14,500 *19,500	10,000 *19,500 *19,500 *19,500 10,000	8,600 9,900 15,300 18,000 9,500	9,700	6,800 *14,300 *14,300 *14,300 6,800	6,000 6,800 10,100 11,800 6,600				7,500 *10,200	5,400 *10,200 *10,200 *10,200 5,400	4,800 5,400 7,900 9,000 5,200	24.25
-10.0 ft	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*23,700 *23,700	18,300 *23,700 *23,700 *23,700 18,300	15,300 18,000 *23,700 *23,700 17,100	14,500 *16,800	10,000 *16,800 *16,800 *16,800 10,000	8,700 10,000 15,300 *16,800 9,500	9,700 *12,000	6,900 *12,000 *12,000 *12,000 6,900	6,000 6,900 10,200 11,800 6,600				9,000	6,400 *10,800 *10,800 *10,800 6,400	5,700 6,400 9,500 *10,800 6,200	21.16
–15.0 ft	Dozer and stabilizer down 2 sets of stabilizers down	lb lb lb lb	*14,900	*14,900 *14,900 *14,900 *14,900 *14,900	*14,900 *14,900 *14,900 *14,900 *14,900	*10,400	10,300 *10,400 *10,400 *10,400 10,300	8,900 10,200 *10,400 *10,400 9,800							*9,300 *9,300	*9,300 *9,300 *9,300 *9,300 *9,300	8,300 *9,300 *9,300 *9,300 9,100	15.91

 $<sup>\</sup>hbox{$^*$Limited by hydraulic rather than tipping load}.$ 

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.

#### Lift Capacities - Offset Boom (5200 mm [17 ft 1 in])

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Load at ma	ximum re	ach (sticknose/bucket pin)	Ę	Load	over fror	nt	ſ	P Load	over rea	r	(	Loa	ıd over si	de		Loa	ad point h	eight	
Short	<u></u>				3.0 m			4.5 m			6.0 m			7.5 m			#	=	
Stick 2100 mm		Undercarriage configuration		4	P	Œ	4	P	Œ	<b>4</b>	4	Œ	<b>4</b>	P	ŒP	4	7	Œ	m
(6'11")	6.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*6100 *6100	5300 *6100 *6100 *6100 5300	4600 5250 *6100 *6100 5050	4600 *4950	3200 *4950 *4950 *4950 3200	2800 3200 4850 *4950 3050				*3550 *3550	3000 *3550 *3550 *3550 3000	2600 3000 *3550 *3550 2850	6.20
	4.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*6500 *6500	5000 *6500 *6500 *6500 5000	4350 5000 *6500 *6500 4750	4550 *5000	3150 *5000 *5000 *5000 3150	2750 3150 4800 *5000 3050				*3250 *3250	2400 *3250 *3250 *3250 2400	2050 2400 *3250 *3250 2300	7.03
	3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6800 *7450	4550 *7450 *7450 *7450 4550	3900 4550 7150 *7450 4300	*5300	3000 *5300 *5300 *5300 3000	2600 3000 4600 *5300 2850				3100 *3200	2100 *3200 *3200 *3200 2100	1800 2100 *3200 *3200 2000	7.46
	1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6350 *8500	4200 *8500 *8500 *8500 4200	3550 4150 6750 8050 3950	*5750	2800 *5750 *5750 *5750 2850	2400 2800 4400 5200 2700	3000 *4150	2050 *4150 *4150 *4150 2050	1750 2050 3200 3700 1950	3000 *3350	2000 *3350 *3350 *3350 2000	1700 2000 3150 *3350 1900	7.55
	0.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				6150 *8200	4000 *8200 *8200 *8200 4000	3400 4000 6550 7850 3800	*6050	2700 *6050 *6050 *6050 2700	2300 2700 4300 5050 2600				3100 *3600	2050 *3600 *3600 *3600 2050	1750 2050 3250 *3600 1950	7.34
	−1.5 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg	*7400 *7400	*7400 *7400 *7400 *7400 *7400	6200 *7400 *7400 *7400 7050	6150 *7100	4000 *7100 *7100 *7100 4000	3350 4000 6550 *7100 3800	4050 *5250	2700 *5250 *5250 *5250 2700	2300 2700 4300 5050 2550				3450 *4050	2300 *4050 *4050 *4050 2350	2000 2350 3650 *4050 2200	6.77
	-3.0 m	Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down	kg kg kg kg kg				*5000 *5000	4150 *5000 *5000 *5000 4150	3500 4100 *5000 *5000 3900										

Short Stick 2100 mm (6'11")

				10.0 ft			15.0 ft			20.0 ft		25.0 ft			-5	<b>3</b>	
	Undercarriage configuration		₽.	P	æ		₩.	GP		₩.	æ	P	GP			<b>P</b>	ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	)			*13,300	11,400 *13,300 *13,300 *13,300 11,400	9,900 11,300 *13,300 *13,300 10,800	*8,700 *8,700	6,800 *8,700 *8,700 *8,700 6,900	5,900 6,800 *8,700 *8,700 6,500			*7,900 *7,900	6,800 *7,900 *7,900 *7,900 6,800	5,900 6,800 *7,900 *7,900 6,500	20.11
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	Ib Ib Ib Ib				*14,000	10,800 *14,000 *14,000 *14,000 10,800	9,300 10,800 *14,000 *14,000 10,300	9,800 *10,800	6,800 *10,800 *10,800 *10,800 6,800	5,900 6,800 10,300 *10,800 6,500			*7,200 *7,200	5,300 *7,200 *7,200 *7,200 5,300	4,600 5,300 *7,200 *7,200 5,100	22.97
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				14,600 *16,000	9,900 *16,000 *16,000 *16,000 9,900	8,400 9,800 15,400 *16,000 9,400	9,400	6,500 *11,500 *11,500 *11,500 6,500	5,600 6,500 9,900 *11,500 6,200			6,900 *7,100	4,700 *7,100 *7,100 *7,100 4,700	4,000 4,700 *7,100 *7,100 4,500	24.44
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				13,700 *18,400	9,000 *18,400 *18,400 *18,400 9,000	7,700 9,000 14,500 17,300 8,500	9,000	6,100 *12,400 *12,400 *12,400 6,100	5,200 6,100 9,500 11,200 5,800			6,600 *7,300	4,400 *7,300 *7,300 *7,300 4,400	3,800 4,400 6,900 *7,300 4,200	24.77
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				13,300 *17,800	8,600 *17,800 *17,800 *17,800 8,700	7,300 8,600 14,100 16,800 8,200	*13,100	5,800 *13,100 *13,100 *13,100 5,900	5,000 5,800 9,300 10,900 5,600			6,800 *8,000	4,600 *8,000 *8,000 *8,000 4,600	3,900 4,600 7,200 *8,000 4,400	24.08
-5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*17,100	16,400 *17,100 *17,100 *17,100 16,400	13,300 16,100 *17,100 *17,100 15,200	13,300 *15,400	8,600 *15,400 *15,400 *15,400 8,600	7,300 8,600 14,000 *15,400 8,200	8,800 *11,200	5,800 *11,200 *11,200 *11,200 5,800	5,000 5,800 9,200 10,900 5,500			7,700 *8,900	5,100 *8,900 *8,900 *8,900 5,200	4,400 5,100 8,100 *8,900 4,900	22.18
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb															

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

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

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

#### Lift Capacities - Offset Boom (5200 mm [17 ft 1 in])

Load at maximum reach (sticknose/bucket pin)

All values are without bucket and without QC, with counterweight (4100 kg [9,039 lb]), heavy lift on.

Medium Stick 2400 mm (7'10")

aximum re	ach (sticknose/bucket pin)		Load	l over fro	nt		P Load	l over rea	r	I	Loa	nd over si	de		No.	ad point h	eight	
<b>&gt;</b> →				3.0 m			4.5 m			6.0 m			7.5 m				=	
	Undercarriage configuration			P	Œ		P	Œ		P	Œ		P	æ		P	Œ	m
6.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				*5450 *5450	5350 *5450 *5450 *5450 5350	4650 5350 *5450 *5450 5100	4700 *4800	3300 *4800 *4800 *4800 3300	2850 3250 *4800 *4800 3150				*2950 *2950	2750 *2950 *2950 *2950 2800	2400 2750 *2950 *2950 2650	6.53
4.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				*6300 *6300	5100 *6300 *6300 *6300 5100	4400 5050 *6300 *6300 4850	4600 *4850	3200 *4850 *4850 *4850 3200	2800 3200 4800 *4850 3050				*2800 *2800	2250 *2800 *2800 *2800 2250	1950 2250 *2800 *2800 2150	7.32
3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6850 *7150	4600 *7150 *7150 *7150 4650	3950 4600 *7150 *7150 4400	*5150	3000 *5150 *5150 *5150 3000	2600 3000 4600 *5150 2900	3100 *4150	2100 *4150 *4150 *4150 2100	1800 2100 3250 3800 2000	*2750 *2750	2000 *2750 *2750 *2750 2000	1700 2000 *2750 *2750 1900	7.73
1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6400 *8400	4200 *8400 *8400 *8400 4200	3550 4200 6750 8100 4000	4200 *5600	2800 *5600 *5600 *5600 2850	2400 2800 4400 5200 2700	3000 *4350	2050 *4350 *4350 *4350 2050	1750 2050 3200 3700 1950	2850 *2850	1900 *2850 *2850 *2850 1900	1600 1900 *2850 *2850 1800	7.82
0.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg				6150 *8300	4000 *8300 *8300 *8300 4000	3350 4000 6500 7800 3750	*6100	2700 *6100 *6100 *6100 2700	2300 2700 4300 5050 2550	2950 *4500	2000 *4500 *4500 *4500 2000	1700 2000 3150 3650 1900	2900 *3100	1950 *3100 *3100 *3100 1950	1650 1950 3050 *3100 1850	7.61
−1.5 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg	*7300 *7300	*7300 *7300 *7300 *7300 7300	6100 *7300 *7300 *7300 6950	6100 *7400	3950 *7400 *7400 *7400 3950	3300 3950 6500 *7400 3750	4000 *5450	2650 *5450 *5450 *5450 2650	2250 2650 4250 5000 2550				3250 *3650	2150 *3650 *3650 *3650 2150	1850 2150 3400 *3650 2050	7.07
-3.0 m	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	kg kg kg kg kg				*5500 *5500	4050 *5500 *5500 *5500 4050	3400 4050 5500 *5500 3850										

Medium Stick 2400 mm (7'10'')

<b>□</b>				10.0 ft			15.0 ft			20.0 ft			25.0 ft			#	-	
	Undercarriage configuration			η.	æ		PP	æ		9a	Œ		P	<b>F</b>		φ <sub>1</sub>	Œ	ft
20.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*12,100 *12,100	11,500 *12,100 *12,100 *12,100 11,600	10,000 11,500 *12,100 *12,100 11,000	10,000	7,000 *10,100 *10,100 *10,100 7,000	6,100 7,000 *10,100 *10,100 6,700				*6,600 *6,600	6,200 *6,600 *6,600 *6,600 6,200	5,400 6,200 *6,600 *6,600 6,000	21.19
15.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*13,600	11,000 *13,600 *13,600 *13,600 11,000	9,500 10,900 *13,600 *13,600 10,400	9,900	6,900 *10,600 *10,600 *10,600 6,900	6,000 6,900 10,400 *10,600 6,600				*6,100 *6,100	5,000 *6,100 *6,100 *6,100 5,000	4,300 5,000 *6,100 *6,100 4,800	23.92
10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb				14,800 *15,400	10,000 *15,400 *15,400 *15,400 10,000	8,600 9,900 *15,400 *15,400 9,500	9,500 *11,200	6,500 *11,200 *11,200 *11,200 6,500	5,600 6,500 10,000 *11,200 6,200	6,700 *8,100	4,500 *8,100 *8,100 *8,100 4,500	3,900 4,500 7,000 *8,100 4,300	*6,100 *6,100	4,400 *6,100 *6,100 *6,100 4,400	3,800 4,400 *6,100 *6,100 4,200	25.33
5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	व व व व व				13,800	9,100 *18,200 *18,200 *18,200 9,100	7,700 9,100 14,600 17,400 8,600	9,000	6,100 *12,100 *12,100 *12,100 6,100	5,200 6,100 9,500 11,200 5,800	6,500 *9,400	4,400 *9,400 *9,400 *9,400 4,400	3,700 4,400 6,800 8,000 4,200	6,200 *6,300	4,200 *6,300 *6,300 *6,300 4,200	3,600 4,200 *6,300 *6,300 4,000	25.69
0.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				13,300 *18,000	8,600 *18,000 *18,000 *18,000 8,600	7,300 8,600 14,000 16,800 8,100	8,700 *13,200	5,800 *13,200 *13,200 *13,200 5,800	4,900 5,800 9,200 10,900 5,500				6,400 *6,900	4,300 *6,900 *6,900 *6,900 4,300	3,700 4,300 6,800 *6,900 4,100	24.97
-5.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb	*16,800 *16,800	16,100 *16,800 *16,800 *16,800 16,100	13,100 15,900 *16,800 *16,800 14,900	13,200 *16,000	8,500 *16,000 *16,000 *16,000 8,500	7,200 8,500 13,900 *16,000 8,100	8,700 *11,700	5,700 *11,700 *11,700 *11,700 5,700	4,900 5,700 9,100 10,800 5,500				7,100 *8,000	4,800 *8,000 *8,000 *8,000 4,800	4,100 4,800 7,500 *8,000 4,500	23.16
-10.0 ft	Rear dozer up Rear dozer down Dozer and stabilizer down 2 sets of stabilizers down Wide axle rear dozer up	lb lb lb lb				*11,800	8,800 *11,800 *11,800 *11,800 8,800	7,400 8,700 *11,800 *11,800 8,300										

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

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

## **M316D 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 LED modules 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 C6.6 with ACERT Technology

EPA Tier 3 compliant

Fuel/water separator with level indicator

#### **Hydraulics**

Heavy lift mode

Load-sensing Plus hydraulic system

Manual work modes (economy, power)

Separate swing pump

Stick regeneration circuit

#### **Operator Station**

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 mechanical suspension seat

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

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

#### **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, 3700 kg (8,157 lb)

Mirrors, frame and cab

Product Link ready

## **M316D 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 bucket, stick, VA boom
and tool control/multi-function circuits

Single action

One-way, high pressure circuit, for hammering application

Medium pressure

Basic control circuits:

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<sup>TM</sup> biodegradable hydraulic oil Lowering control devices for boom

and stick

 $SmartBoom^{TM}$ 

#### Front Linkage

Booms

One-piece boom, 5050 mm (16 ft 7 in)
VA boom (two piece), 5200 mm (17 ft 1 in)
Offset boom, 5200 mm (17 ft 1 in)
Bucket linkage with diverter valve
Sticks

2100 mm (6'11"), 2400 mm (7'10"), 2600 mm (8'6")

3100 mm (10'2") industrial with drop nose

#### **Electrical**

Back-up alarm Heavy-duty maintenance free batteries Refueling pump

#### **Operator Station**

Adjustable hydraulic sensitivity
Falling objects guard
Joystick steering
CD/MP3 Radio (12V) at rear location
including speakers and 12V converter
Seat, adjustable high-back

- air suspension (vertical)
- deluxe with headrest, air suspension

Headrest

Travel speed lock 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 Wide axles

#### **Other Equipment**

Auto-lube system
(implements and swing gear)
Cat Machine Security System
Cat Product Link
Counterweight, 4100 kg (9,039 lb)
Mirrors heated, frame and cab
Ride Control
Tires (see pg. 15)
Tool box in upperframe, lockable
Waste Handling Package

# Notes

## **M316D Wheel Excavator**

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

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