# **MH3024**

## Wheel Material Handler





Engine		
Engine Model	Cat® C7.1 A	CERT™
Emissions	EU Stage IV	,
Power (Maximum)		
ISO 9249 at 1,700 rpm	126 kW	169 hp
ISO 9249 at 1,700 rpm (metric)		171 hp (PS)
ISO 14396	129.4 kW	174 hp
ISO 14396 (metric)		176 hp (PS)

22 330-27 000 kg
12 480 mm
13 300 mm
25 km/h

### Introduction

We know that when it comes to material handling equipment, your success depends on high productivity and dependable performance. The MH3024 offers a great compromise between the agility, versatility and performance of a wheeled excavator and the stability, efficiency and power needed to cope with harsh environments and applications of industrial, scrap, waste recycling and bulk handling operations, which call for safe, quality and reliable products, while generating a low operating cost to the owner.

### **Contents**

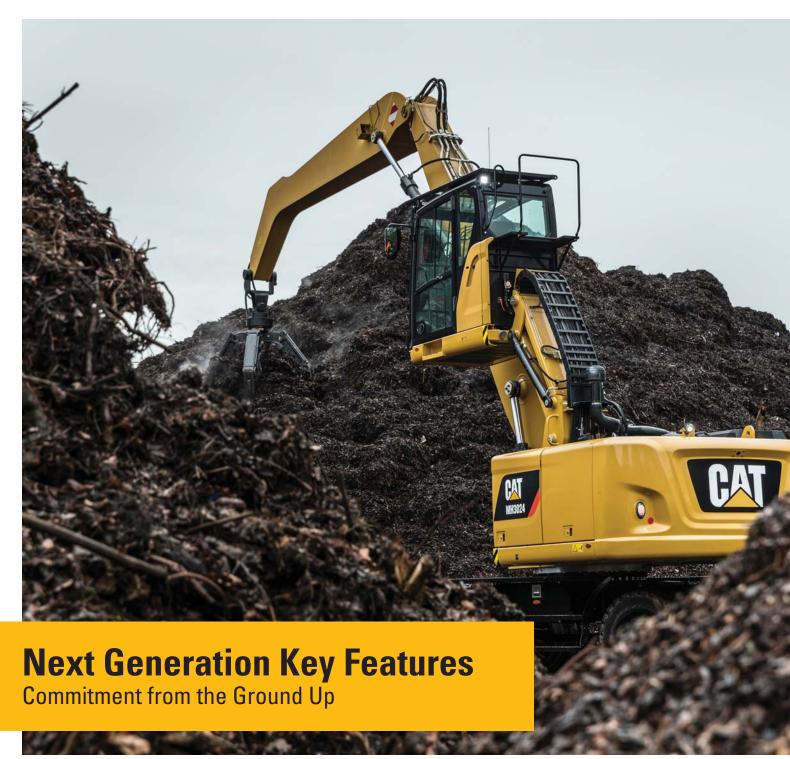
Next Generation Key Features	4
Sustainability	6
Engine	7
Built-in Fuel Savers That Add Up	7
Hydraulic System	8
Structure – Elevated Cab and Frame	10
SmartBoom™	12
Front Linkage	12
Smart Features	13
Load and Go Auto Axle Lock	13
Premium Comfort	14
Simplicity and Functionality	15
Serviceability	16
Integrated Technologies	17
Work Tool Attachments	18
Safety	20
Unmatched Visibility	22
Complete Customer Care	22
Specifications	23
Standard Equipment	34
Ontional Equipment	35





The new MH3024 is here to help you take on the wide variety of challenges you face every day, more easily and with more pleasure.

Commitment from the Ground Up.





### **Safety and Comfort Are Not Optional**

- Embedded smart devices help enforce safe behaviors, like the automatic swing lock, brake and axle lock, and safety lever
- The new cab contributes to your comfort with limited vibrations and drastically reduced sound levels
- Improved access with new and longer handrails, steps and service platform
- Improved visibility with enlarged glass areas, rear and side cameras and LED working lights



### Make the Move to the Next Generation

Refinements. From the whole design to the smallest detail. Convenient features, new advanced and transparent technologies, not only to reduce emissions but to further improve your daily experience when working with our products.

### Made to be Efficient

Recognizing that fuel efficiency is directly affected by hydraulic performance, the hydraulic system in the MH3024 is carefully designed to provide the work needed without wasting fuel. A high capacity hydraulic cooling system keeps operating temperatures well-balanced, resulting in longer component life, higher efficiency and lower repair cost.

### Made to Keep Your Costs Down

Not only does the machine give you all the performance you need, but it does so while providing a great deal of precision, and speed with an absolute minimum fuel consumption – and zero impact on your efficiency.

### Maintenance: Keep it Simple

Ground level and grouped service points, automatic central greasing, dedicated system compartments and many other features that make your maintenance quick and easy.

### **Made to Make Operation Easy and Pleasant**

Have a seat, you will be impressed by the quietness and comfort of the cab. Feel relaxed, we help you make sure you're safe.

### **Integrated Technologies**

Enjoy integrated technologies; they act transparently.

### Be Flexible to Win

When you add the multiple Cat attachments that help you do all kinds of jobs, you simply won't find a better machine.





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

The engine meets Stage IV emission standards and performs the same amount of work as the previous model, all while burning less fuel, which means more efficiency, less resource consumption, and fewer emissions.

### **Quiet Operation**

Outstandingly low sound levels, you won't believe your machine is running.

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

- The new Eco Modes, Auto Engine Speed Control and Engine Idle Shutdown help further reduce your overall fuel consumption.
- Product Link<sup>™</sup> allows remote monitoring of the machine and helps improve overall efficiency.
- You Cat dealer can help extend service intervals, meaning fewer fluids and disposals, all adding up to lower costs.

### **Biodiesel and Biodegradable Hydraulic Oil**

- The MH3024 has the flexibility of running on either ultra-lowsulfur diesel (ULSD) fuel with 10 ppm of sulfur or less or biodiesel (up to B20) fuel blended with ULSD.
- Cat BIO HYDO™ Advanced HEES™ reduces the impact on the environment.

### **Cat Certified Used**

This program is a key element in the range of solutions offered by Caterpillar and Cat dealers to help customers achieve growth at the lowest cost while eliminating waste. Used equipment is inspected, guaranteed and ready for work and customers will benefit from a Caterpillar warranty.

## **Engine**

## Power, Reliability, and Fuel Economy

### The Power and Performance You Need

### **Constant Power Strategy**

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

### A Transparent Emission Solution That Works.

The Cat C7.1 ACERT engine meets today's Stage IV emission standards, and it does so without interrupting your job process. It is designed to be:

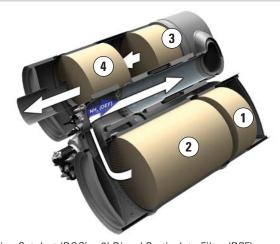
- Transparent: no operator intervention
- Durable: fit for life Diesel Particulate Filter (DPF)
- Efficient: no work interruption, even in case of extended idling time
- Simple: minimum maintenance. Longitudinal engine installation, which further simplifies maintenance.

### **Biodiesel Not a Problem**

The engine can run on up to B20 biodiesel fuel that meets ASTM 6751 standards – all to give you more potential fuel-saving flexibility.

### **Proven Technology**

To assure that our technology will meet your expectations for reliable trouble-free service, we subjected these engines and technologies to extensive operating hours of test and validation.



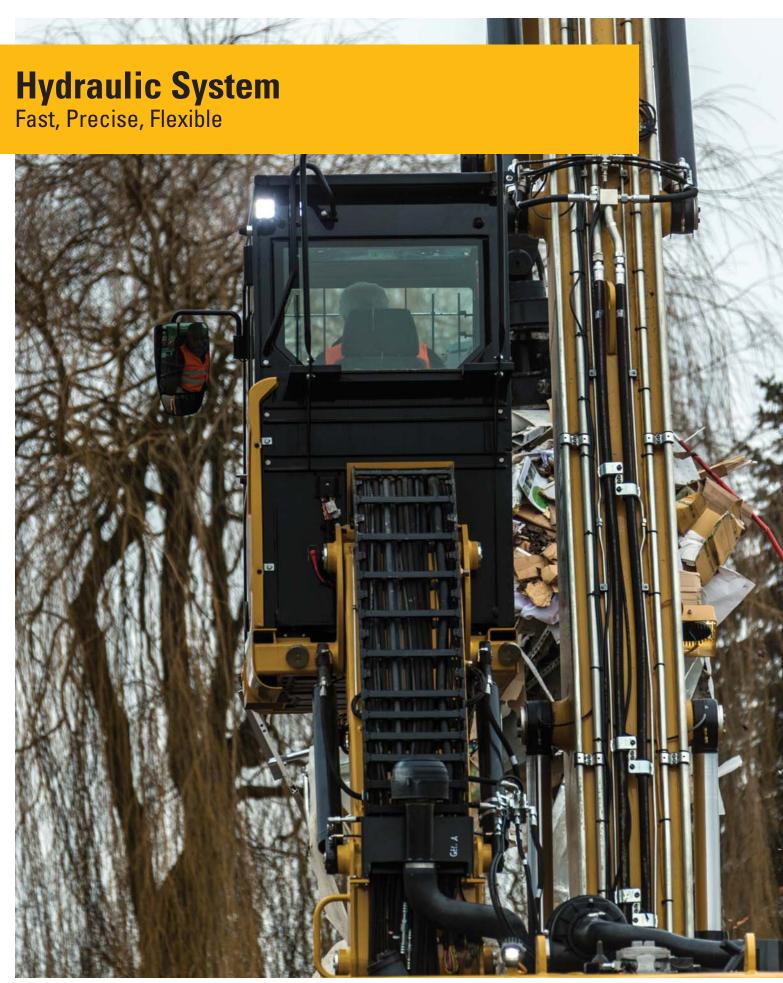






## Built-in Fuel Savers That Add Up

- Automatic Engine Speed Control: lowers engine speed when it is not needed.
- NEW Engine Idle Shutdown (when activated): turns the engine off when it's been idling for more than a pre-set amount of time.
- NEW Cooling System: variable speed and on-demand fan optimizing consumption.
- NEW enhanced Eco Mode: reduces engine speed while delivering the same power.
- Automatic shift to Travel Mode when you start riding: optimizes driveline performance while preserving fuel.



# When it comes to moving material quickly, you need efficient hydraulics – the type the MH Series can deliver.

### **Efficient Design, Smart and Fast**

- Simple Design The new hydraulic valve compartment and routings offer a simple and clean design to help ensure durability. Everything is reachable from ground level.
- Smart Main Hydraulics The system allows reducing the load on the engine when not needed, which translates into lower fuel consumption.
- Dedicated Swing Pump A closed hydraulic circuit is dedicated to the swing only. Having two separate pumps, one for the swing and the second for the other functions allows faster and smoother combined movements.

### **Control Like No Other**

- Electronic Pump Control Controllability is one of the main attributes of the MH3024, and one of the key contributors to this is the Electronic Pump Control (EPC) that's designed to improve response time and precision. It puts flow exactly where you need it, when you need it, which means a much smoother operation and greater efficiency.
- Adjustable Hydraulic Sensitivity Allows you to adjust the aggressiveness of the machine according to the application.
- Stick Circuit Increases efficiency and helps enhance controllability for higher productivity.









### **Well Balanced Cooling Package**

The hydraulic oil cooler is mounted side-by-side with the engine radiator and the air-to-air aftercooler (ATAAC). Located separately from the engine and featuring a well-balanced sizing, the new cooling package offers unprecedented up-times even in difficult environments.

## **Structure – Elevated Cab and Frame**

Strength, Flexibility and Mobility







### High Visibility – 2400 mm Elevated Cab

The hydraulic cab riser is designed to be:

- Stable Wide lift arms, deep box-sectioned design, strong top and bottom links and retractable hydraulic cylinders used to raise the cab for greater stability.
- Fast Two heavy-duty hydraulic cylinders provide quick and controlled up and down travel.
- Comfortable The parallelogram design of the linkage allows the cab to remain level at all ranges of motion.
   Cab movement is also slowed as it reaches the end of the riser stroke, with no sudden start/stop effect.
- Safe The cab can be lowered using either a lever inside the cab or one on the frame at ground level in the event of a hydraulic malfunction.









### **Undercarriage Options**

Effective hydraulic line routing, transmission protection and heavy-duty axles make the Cat undercarriages perfect for material handler applications.

Three different undercarriages are available to provide the stability you need for your applications:

- Material Handling The Material Handling undercarriage with four welded outriggers is ideal when extra stability is needed.
- Material Handling with Dozer Blade An optional expansion to the Material Handling Undercarriage includes an additional dozer blade mounted ahead of the front stabilizers to be used to push material commonly encountered in waste and millyard applications.
- The standard undercarriage allows for different kinds of stabilizers and blades to be attached either to the front or to the rear.

### **Heavy-Duty Axles**

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 minimizes the rocking effect associated with working free on wheels.

### **Driveline Concept**

The driveline design effectively utilizes engine torque and power to provide a comfortable ride.

### **Ground Clearance**

The MH3024 offers good ground clearance, with the transmission mounted on and protected by the rear axle.





## SmartBoom<sup>™</sup>

### Allow Your Operator to Fully Concentrate on Production

The unique Cat SmartBoom significantly enhances operator comfort and job efficiency by reducing stress and vibrations transmitted to the machine. Loading is more productive and more fuel efficient as the return cycle is reduced while the boom down function does not require pump flow.

## **Front Linkage**

### **Durability – Built with No Compromises**

You know that a material handler works only as good as its front linkage is able to handle the job. The MH3024's booms and sticks are purpose built for the loads encountered in material handling applications.

### MH Boom

MH booms include high pressure hydraulic lines for opening and closing functionality and medium pressure lines for implement rotation.

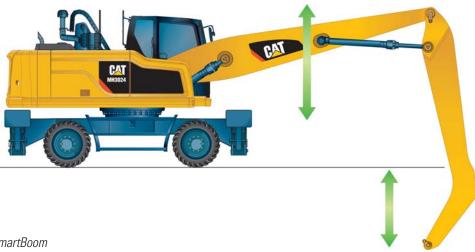
### **MH Sticks**

MH sticks are equipped with high and medium pressure auxiliary lines. The 4900 mm and 5900 mm Drop Nose Sticks offer the reaching and lifting capabilities required for typical MH applications, while the 4800 mm Straight Stick is the best solution when additional work tool functionality is needed.

### **Special Applications**

The MH3024 offers the ability to combine the hydraulic cab riser with a traditional excavator front linkage. This combination has been proven in transfer station, mining, and millyard applications.

Automatic lubrication of the whole uppercarriage extends component life, protecting your equipment.



## **Smart Features**

### When Operation Becomes as Easy as Pleasant

### **Joystick Steering (Optional)**

Keep both hands on your joysticks even when you need to reposition the machine while simultaneously moving the implements.

### **Swing and Auto Travel Lock**

No need for the operator to bend to engage the swing lock pin.

- · Just press a button,
- Align the upper to the lower frame,
- Enjoy the ride: a green indicator confirms the swing and the implements have been automatically locked.

### **Integrated Pin Code**

No need to buy optional security system to protect your equipment against theft.

- The pin code is integrated into the monitor (standard)
- Entering the right code allows the engine to start

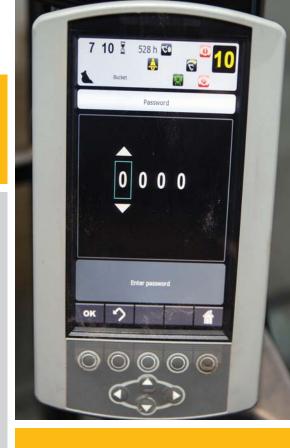
The Machine Security System (MSS – optional) adds even more protection when needed.

### **Cruise Control**

Focus on the working environment, not on your foot. No need to press the pedal all the time.

- Choose the very speed you wish
- Press the quick access button on the monitor
- Enjoy the ride





# **Load and Go Auto Axle Lock**

Presses the Pedal for You, Reducing the Number of Actions You Need to Do

The machine automatically detects when the service brake and axle need to be locked (like when working), or unlocked (roading), hence removing the need for the operator to systematically press the pedal. Brake and axle are released automatically by pressing the travel pedal again.

## **Premium Comfort**

### **Keeps Operators Productive All Shift Long**



### **Legacy from the Renowned Cat Wheel Material Handlers**

Designed for the operator, our cabs are unique.

### **Ergonomic Layout**

- Frequently used switches are centralized, kept to the minimum and ideally located close to the joysticks.
- Storage compartments are useful ... when well designed. The lunch box provides sufficient room to store a hard hat. Several other areas include drink, phone, or key holders.

### **Comfortable Seat Options**

Our seats provide all the comfort needed for a long day of work, including FULL adjustment. All seats are heated and air suspended. Automatic weight adjustment and air cooled seats are available.

### Safety – Not Optional

FOPS cabs, seat belt alarm, safety lever, sideview camera ... among others.

### **Details That Make the Difference**

Have a look at the cab; you will see it is through details that we improve pleasure of operating.

### **Smart Controls to Reduce Fatigue**

- Features like SmartBoom or joystick steering will be precious to increase your productivity.
- New technologies that work transparently like the swing and auto travel lock or the automatic brake and axle lock, reduce the number of tasks you need to do.

### Plug, Charge and Play Your Devices

- The 12V 10A power supply socket is conveniently located for charging your laptop, or a tablet.
- A CD/MP3 radio with speakers and USB port is available.

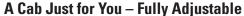








For Ease of Operation



- Seat armrests, in height and angle
- Steering column adjustment, not only tilting fore/aft but also in height
- Hydraulic sensitivity of the machine to make it more or less aggressive
- Joystick controls, buttons and thumb wheels
- Automatic air conditioning



Operator sound level has been reduced thanks to a new cab design and increased cab pressure, which also prevents from dust entry. Add in the rubber mounts to fix the cab on the frame and you have a cab that's as quiet as any of today's premium cars.



- · Standard LED working lights and halogen roading lights
- Standard LED dome light
- · All glass areas have been drastically increased
- Choice of 70/30 front windshield or one piece windshield
- New wide angle mirrors including a lower mirror for a better visibility to the ground
- Parallel intermittent (four speeds) wipers covering the whole windshield



### **Standard Rear and Side Wide Angle Cameras**

Cameras let you see what's going on around. The image from the side camera is displayed on an additional wide color screen, offering the full view from the front to the rear of the machine. The rear camera is integrated into the counterweight for enhanced protection.

### **Large Color Monitor**

Easy to read and in local language, the high resolution LCD monitor will keep you aware of any important information. "Quick Access" buttons allow a quick selection of favorite functions. The tool select function lets you preset up to ten different hydraulic attachments for quick tool changes.

## **Serviceability**

### When Uptime Counts

### **Convenient Access Built In**

You can reach routine maintenance items like fuel and engine oil filters and fluid taps at ground level while fuel and DEF tank are accessible from the safety of the slip-resistant new service foldable step. Compartments feature wide composite service doors, designed to be more resistant to shocks, which all include gas struts to facilitate the opening. Components are now gathered in specific dedicated compartments, like the special electrical compartment.

### A Smart Design for Any Temperature

The side-by-side and axial fan design allows greater cooling performance. The system is completely separated from the engine compartment to reduce noise and heat, and all radiators are gathered in the same compartment while featuring easy-to-clean cores with a tilting device that requires no tool to unlock.

### A Fresh Idea

Ventilation inside the cab allows outside air to enter through a fresh air filter. The filter is located on the side of the cab to make it easy to reach, and it is protected by a lockable door that can be opened with the ignition key.

### **Lube and Fuel Options**

An automatic lubricator system is an available time-saving standard feature for greasing the whole uppercarriage. Greasing points for the undercarriage are kept to a minimum and grouped. An electric refueling pump is also available. The hose is stored in a dedicated tray, for more cleanliness. Add in the new electric lift pump removing the need to prime the system manually, the standard fuel and water separator and you get a machine that does the fastidious works for you.

### Keep it simple.









## **Integrated Technologies**

It Pays to Know



Contine Manager Contine Contine Merits

Status

Status

Status

Status

Status

Serie Status

Serie

## CAT CONNECT









Cat Connect makes smart use of technology and services to improve your job site efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Cat Connect technologies offer improvements in these key areas:



**Equipment Management** – increase uptime and reduce operating costs.



**Productivity** – monitor production and manage job site efficiency.



**Safety** – enhance job site awareness to keep your people and equipment safe.

Featured Cat Connect technologies include the following:

### Link

Link technologies provide wireless capability to machines to enable two-way transfer of information collected by on-board sensors, control modules, and other Cat Connect technologies.

### **Manage Your Machine Remotely**

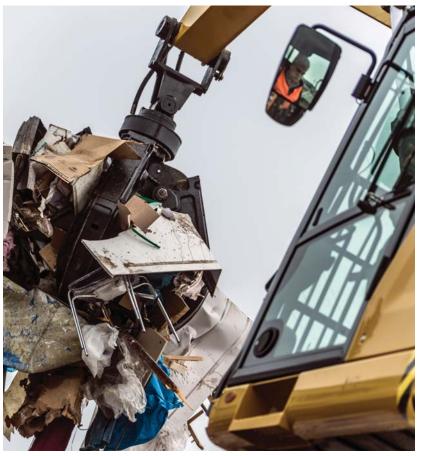
Cat Product Link is a system that is deeply integrated into the machine monitoring system to take the guesswork out of managing your equipment. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes and shares it with you through VisionLink® to help you maximize efficiency, improve productivity, and lower operating costs.











## **Work Tool Attachments**

Move More, Make More



### **Power Match\***

Match your Cat hydraulic work tools to your Cat machine, and get the most out of the standard, built-in software. Ten hydraulic pump flow and pressure settings can be preset within the monitor, eliminating the need to adjust the hydraulics each time a tool is changed. Attachment changes have never been easier!

\*For straight/linkage sticks.











### **Attachment Solutions for Scrap Recycling, Bulk Handling**

When productivity, reliability and stability are important, Cat attachments are the perfect solution for the MH3024. Choose one for your Cat machine for maximum performance.

### **Productive and Perfectly Matched**

Loading and unloading is foundational to your productivity. Grapples are sized right for the MH3024. They are designed for maximum penetration into the pile. The full power of your machine is utilized to provide fast open/close times and powerful closing force. Full, 360° rotation systems allow precise placement. Together, an MH3024 and Cat grapple allow you to move volumes with minimal time and effort.

### **Built for Severe Material**

Cat grapples are built to take on the material you move. Hydraulic components are protected from damage, yet easily accessed for routine maintenance. Areas that dig and penetrate are made of high quality, wear resistant material to keep them in working condition. Components that pivot and move are engineered to the latest standards for a long life. Cat grapples last for a positive impact to your bottom line.

### **Orange Peel Grapples**

The perfect solution for scrap yards, recycling plants and transfer stations. These grapples are available with 4 or 5 tines, in capacities from 600 to 1000 L. Several shell choices allow further customization of your grapple to the specific material you work with.

### Clamshell Grapples

The perfect solution for loading and transferring large volumes of loose material like grain, coal, sand and gravel. These grapples are configured with several shells for different capacity options to meet your specific requirements.

### **Digging Grapples**

Cat Digging grapples are designed to suit MH machines for digging applications where good penetration is required.

### Waste Handling Grapples

The dedicated waste handling grapple has been specifically designed to offer high volume for maximum loads and proven fuel consumption.

Contact your local Cat dealer to learn more about the specific grapple choices available in your region.

## Safety

### Your Safety Is NOT Optional

### **Embedded Features**

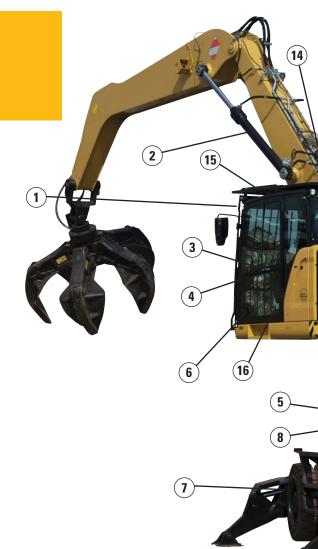
Smart devices are embedded to offer as much safety as possible for your operators and help enforce safe behavior:

- Safety seat belt and warning indicators (monitor)
- Automatic swing lock
- Automatic brake and axle lock
- Safety lever, preventing exit when the implements are not locked out
- Emergency shut off switch and battery switch disconnect
- Adjustable travel alarm
- Lowering check valves





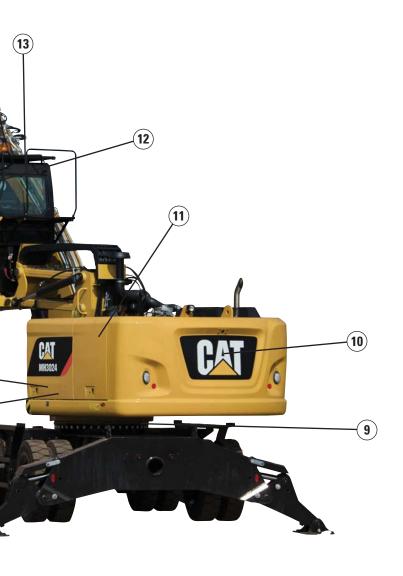




### **Cab Ingress**

We bring a solution to allow you to safely climb into the cab:

- Three longer access steps, aligned with the cab entry
- New additional step integrated into the skirt, directly below the cab door
- Anti-skid plates on all walkways and steps reducing slipping hazards
- Convenient door handrail
- Additional extended handrail, from the top to the bottom of the cab
- Tiltable console, not to obstruct entry into the cab
- Safety lever built into the tiltable console to make sure the way in and out is free of obstacles



- 1) Laminated windshield and skylight window
- 2) Lowering check valves
- 3) Safety seat belt indicator
- 4) Safety lever
- 5) Emergency shut-off switch
- 6) Automatic brake and axle lock
- 7) Punched, anti-slippery walking surfaces
- 8) Battery switch disconnect
- 9) Swing and implement electronic lock
- 10) Adjustable travel alarm
- 11) All doors equipped with gas spring cylinders
- 12) Emergency hammer and exit
- 13) Sound proofing
- 14) Beacon available
- 15) FOPS cab and top/front guards compatibility
- 16) Safety lever to lower the cab, either from the ground or directly from the cab

### **Smart Lighting**

- LED lights for all working lights for enhanced visibility
- Halogen lights for all roading lights
- LED dome light for better illumination inside the cab



### Safe and Quiet Cab

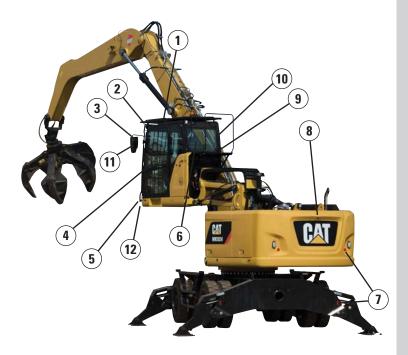
The all-new cab provides you with a safe environment. It also contributes to your comfort with limited vibrations and drastically reduced sound levels.

### **Great Views**

- Enlarged glass gives you excellent visibility to the front, top, rear, and sides, even to the right
- Standard rearview camera gives you a clear field of view behind the machine through the monitor. Camera is integrated into the counterweight.
- Standard sideview camera, to check nothing is hidden to you from the front right hand side to the rear of the machine
- Lenses of all the cameras are wide angle and heated
- All mirrors are wide angle and allow view not only around the machine but also to the ground

## **Unmatched Visibility**

### Make Sure Nothing Is Hidden to You



**Visibility all around is critical**, especially for machines working and driving in industrial job sites.

- 1) Increased skylight and windshield glass area
- 2) Improved lighting with standard LED lights for all working lights
- 3) Optional heated mirrors
- 4) Great left hand side visibility with the new all glass door
- 5) Halogen roading lights
- 6) Wide rear window
- 7) Reflecting red lights on rear and blade/outriggers
- 8) Standard wide rearview camera
- 9) Standard side camera and dedicated wide monitor
- 10) Large right hand side window
- 11) Mirrors, wide angle, with additional lower mirror for ground visibility
- 12) High visibility 2400 mm elevated cab

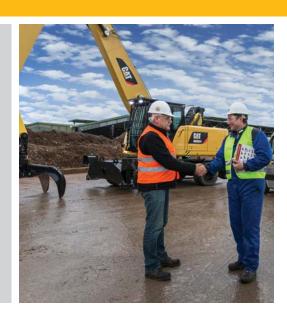
## **Complete Customer Care**

Your Cat Dealer Will Support You Like No Other

### **Support You Can Count On**

From helping you to choose the right machine to knowledgeable on-going support, Cat dealers provide the best-in-sales and services.

- Best long-term investment with financing options and services
- Productive operation with training programs
- Preventive maintenance and guaranteed maintenance contracts
- Uptime, with best-in-class parts availability
- Repair, rebuild, or replace? Your dealer can help evaluate the best option.



Cat C7.1 Ac	CERT (1)
1,700 rpm	
129.4 kW	174 hp
	176 hp (PS)
126 kW	169 hp
	171 hp (PS)
126 kW	169 hp
126 kW	169 hp
	171 hp (PS)
126 kW	
105 mm	
135 mm	
7.01 L	
830 N·m	
6	
	1,700 rpm  129.4 kW  126 kW  126 kW  126 kW  105 mm  135 mm  7.01 L  830 N·m

<sup>(1)</sup> Meets Stage IV emission standards.

<b>+</b> · ·	
Transmission	
Forward/Reverse	
1st Gear	8.0 km/h
2nd Gear	25.0 km/h
Creeper Speed	
1st Gear	3.0 km/h
2nd Gear	12.0 km/h
Drawbar Pull	127.0 kN
Maximum Gradeability (25 000 kg)	60.0%
Swing Mechanism	
Swing Speed	9.0 rpm
Swing Torque	53.0 kN·m
Undercarriage*	
Maximum Steering Angle	35.0°
Oscillation Axle Angle	±5.0°
Minimum Turning Radius	
Outside of Tire	6800 mm
End of VA Boom	7800 mm
End of One-Piece Boom	9300 mm

<sup>\*</sup>Dimensions valid for standard undercarriage.

Service Refill Capacities	
Fuel Tank (total capacity)	420 L
Diesel Exhaust Fluid Tank	34.5 L
Cooling System	46.9 L
Engine Crankcase	18.5 L
Rear Axle Housing (differential)	14 L
Front Steering Axle (differential)	10.5 L
Final Drive	2.5 L
Powershift Transmission	2.5 L

<sup>&</sup>lt;sup>(2)</sup> Rated speed 1,700 rpm. Constant power from 1,500-1,700 rpm.

<sup>•</sup> Net power advertised is the power available at the flywheel when engine is equipped with air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.

<sup>•</sup> No derating required up to 3000 m altitude. Automatic derating occurs after 3000 m.

Weights	
Operating Weights*	22 330-27 000 kg
MH Boom	
MH Undercarriage, Straight Stick	26 150 kg
MH Undercarriage, Drop Nose Stick	25 770 kg
Standard Undercarriage, Straight Stick	25 220 kg
Sticks**	
Straight (4800 mm)	1265 kg
Drop Nose (4900 mm)	860 kg
Drop Nose (5900 mm)	1080 kg
MH Push Blade	675 kg
Dozer Blade	850 kg
Solid Tires (delta vs. standard tires)	950 kg
Counterweight	
Standard	4100 kg
Optional	5200 kg

<sup>\*</sup>Operating weight includes solid tires, 5200 kg counterweight, full fuel tank, operator, four outriggers undercarriage, attachment (1400 kg). Weight varies depending on configuration.

Hydraulic System			
Tank Capacity	200 L		
System	352 L		

Hydraulic System: Maximum Pressure		
Implement Circuit		
Normal	350 bar	
Heavy Lift	370 bar	
Travel Circuit	350 bar	
Auxiliary Circuit		
High Pressure	350 bar	
Medium Pressure	210 bar	
Swing Mechanism	310 bar	

Hydraulic System: Maximum Flow		
Implement/Travel Circuit	359 L/min	
Auxiliary Circuit		
High Pressure	250 L/min	
Medium Pressure	49 L/min	
Swing Mechanism	127 L/min	

lires	
11.00-20 (dual pneumatic)	
10.00-20 (dual solid rubber)	

Push Blade	
Blade Type	Radial
Blade Height	920 mm
Width	2990 mm

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

<b>Emissions and Safety</b>	
Engine Emissions	Stage IV
Diesel Exhaust Fluid	Must meet ISO 22241
Fluids (optional)	
Cat Bio HYDO Advanced	Readily biodegradable
	EU Flower eco-label certified
Bio Diesel up to B20	Meets EN 14214 or ASTM D6751 with EN590 or ASTM D975 standard mineral diesel fuels
Vibration Levels	
Maximum Hand/Arm	
ISO 5349:2001	<2.5 m/s <sup>2</sup>
Maximum Whole Body	
ISO/TR 25398:2006	<0.5 m/s <sup>2</sup>
Seat Transmissibility Factor	
ISO 7096:2000-spectral class EM5	<0.7

Standards	
Operator Protective Structure	
Top/Front Guards	FOPS (Falling Object Protective Structure) meets FOPS criteria ISO 10262:1998 and SAE J1356:2008
Cab/Sound Levels	Meets appropriate standards as listed below

Sound Performance		
Operator Sound		
2000/14/EC	71 dB(A)	
Spectator Sound		
2000/14/EC	100 dB(A)	

- Operator Sound The operator sound level is measured according to the procedures specified in 2000/14/EC, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/ windows open) for extended periods or in noisy environment(s).

### **Dimensions – With Standard Undercarriage**

All dimensions are approximate.

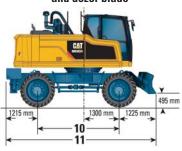


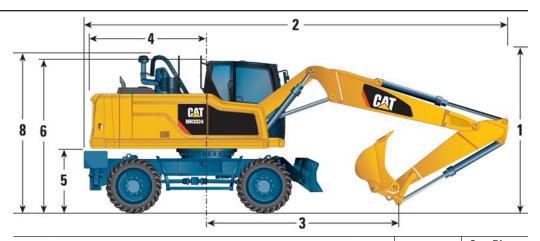


 $\label{lem:continuous} \textbf{Undercarriage with 2 sets of outriggers}$ 



Undercarriage with 1 set of outriggers and dozer blade





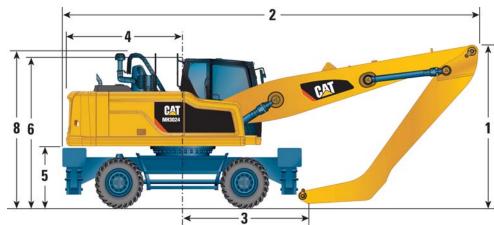
		VA B	oom	One-Piece Boom						
Stick Length	mm	2500	2900	2500	2900					
1 Shipping Height with Falling Object Guard and Handrails Lowered (highest point between boom and cab)	mm	3375	3375	3375	3375					
2 Shipping Length	mm	9560	9545	9715	9725					
3 Support Point	mm	3755	3525	3720	3445					
4 Tail Swing Radius	mm	28	25	28	25					
5 Counterweight Clearance	mm	13	10	13	10					
6 Cab Height with Hydraulic Cab Riser										
Cab Lowered – No Falling Object Guard, Handrails Lowered	mm		32	45						
Cab Lowered – No Falling Object Guard, Handrails Not Lowered	mm		33	50						
Cab Lowered – with Falling Object Guard	mm		33	75						
Cab Raised – with Falling Object Guard	mm		57	75						
Cab Raised – without Falling Object Guard	mm		56	45						
7 Overall Machine Width										
Width with Outriggers on Ground	mm	39	30	39	30					
Width with Outriggers Up	mm	27	50	27	50					
Width with Blade	mm	27	50	27	50					
8 Height of Tray Group Flex	mm	33	60	33	60					
9 Maximum Outriggers Depth	mm	12	20	12	20					
10 Wheel Base	mm	27	50	27	50					
11 Undercarriage Length										
With 2 Sets of Outriggers Raised	mm	50	40	50	40					
With 1 Set of Outriggers and Dozer Blade Raised	mm	51	75	51	75					
12 Undercarriage Clearance	mm	32	25	32	25					

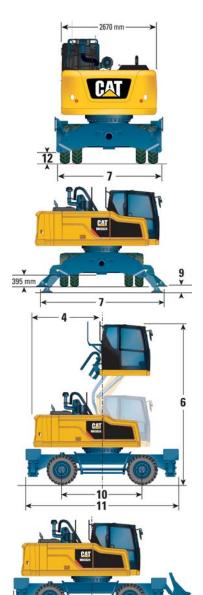
Note: Values are with 2 sets of outriggers and pneumatic tires. For machines fitted with solid tires, all vertical dimensions have to be reduced by 35 mm. For dimension 9 add 35 mm.

### **Dimensions – With MH Undercarriage**

All dimensions are approximate.





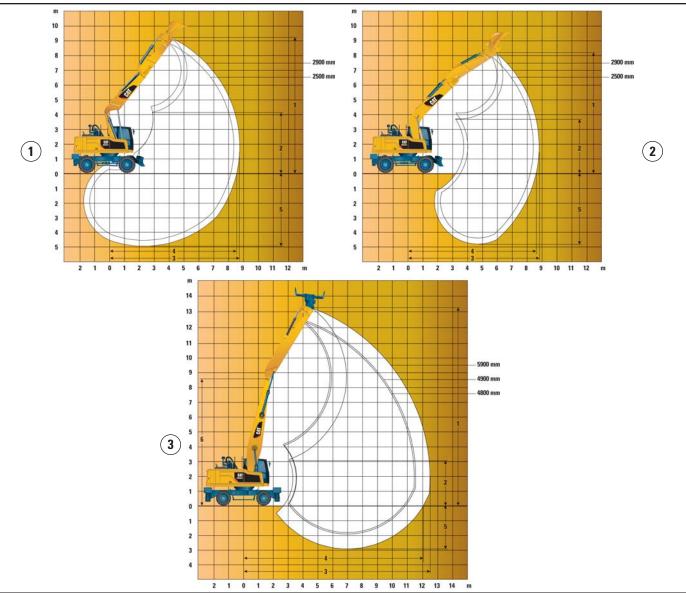


		МН	Undercarı	iage
		МН	Boom 6800	) mm
Stick Length	mm	4800	4900	5900
Stick Type		Straight	Drop Nose	Drop Nose
1 Shipping Height with Falling Object Guard and Handrails Lowered (highest point between boom and cab)	mm	3375	3635	3375*
2 Shipping Length	mm	10 090	10 040	10 040*
3 Support Point	mm	3085	3225	3060*
4 Tail Swing Radius	mm		2825	
5 Counterweight Clearance	mm		1310	
6 Cab Height with Hydraulic Cab Riser				
Cab Lowered – No Falling Object Guard, Handrails Lowered	mm		3245	
Cab Lowered – No Falling Object Guard, Handrails Not Lowered	mm		3350	
Cab Lowered – with Falling Object Guard	mm		3375	
Cab Raised – with Falling Object Guard	mm		5775	
Cab Raised - No Falling Object Guard	mm		5645	
7 Overall Machine Width				
Width With Outriggers on Ground	mm		4360	
Width with Outriggers Up	mm		2990	
Width with the Special Front Push Blade	mm		2990	
8 Height of Tray Group Flex	mm		3360	
9 Maximum Outriggers Depth	mm		125	
10 Wheel Base	mm		2750	
11 Undercarriage Length	mm		5250	
With MH Undercarriage Front Push Blade	mm		6080	
12 Undercarriage Clearance	mm		280	

<sup>\*5900</sup> mm stick needs to be detached for shipping.

Note: Values are with pneumatic tires. For machine fitted with solid tires, all vertical dimensions have to be reduced by 35 mm. For dimension 9 add 35 mm.

### **Working Ranges**



	MH3024								
	1					3			
		Sta	ndard Un	dercarria	MH Undercarriage**				
Boom Type		VA B	oom	One-Pie	ce Boom		MH Boom	1	
Stick Length	mm	2500	2900	2500	2900	4800	4900	5900	
1 Maximum Height	mm	8910	9220	7945	8165	12 425	12 505	13 300	
2 Minimum Dump Height	mm	4530	4135	4070	3675	4120	4025	3090	
3 Maximum Reach	mm	8285	8675	8395	8770	11 435	11 530	12 485	
4 Maximum Reach at Ground Level	mm	8070	8470	8185	8580	10 720	10 850	12 050	
5 Maximum Depth	mm	4565	4965	4360	4760	1820	1920	2925	
6 Boom Pin Height	mm	NA	NA	NA	NA	8620	8620	8620	

All dimensions refer to sticknose pin.

<sup>\*</sup>Standard undercarriage figures calculated with pneumatic tires.

 $<sup>\</sup>ensuremath{^{**}MH}$  under carriage figures calculated with solid tires.

### MH3024 Work Tool Offering Guide\*

	Boom Type		One-Pie	ce Boom		MH Boom								
	Counterweight	410	0 kg	520	) kg	4100 kg	5200 kg	4100 kg	5200 kg	4100 kg	5200 kg			
	Undercarriage/Outriggers	(	1)	(	1)	(2)	(2)	(2)	(2)	(2)	(2)			
	Stick Length	2500 mm	2900 mm	2500 mm	2900 mm	4800 mm	4800 mm	4900 mm	4900 mm	5900 mm	5900 mm			
	Stick Type	Straight	Straight	Straight	Straight	Straight	Straight	Drop Nose	Drop Nose	Drop Nose	Drop Nose			
	H115Es													
Hydraulic Hammer	H120Es													
	H130Es													
	MP318 CC Jaw													
	MP318 D													
Multi Processor	MP318 P													
	MP318 S													
	MP318 U													
Crusher	P315													
Pulverizer	P215													
	G315B-D/R													
Demolition and Sorting Grapple	G315B-D/R fixed CAN													
	G315B WH													
	S320B													
Scrap and Demolition Shear	S325B													
	S340B													
Compactor	CVP75													
	CW-30, CW-30S							///						
Dedicated Quick Coupler	CW-40S			These	e couplers a	re available	for the MH30	024 (linkage	stick).		ļ			
	GSH15B 400L, 500L, 600L													
	GSH15B 800L													
Orange Peel Grapple	GSH20B 600L													
(4 or 5 Tines)	GSH20B 800L													
	GSH20B 1000L													
	GSM25 400L, 500L, 600L, 800L													
	GSM35 500													
	GSM35 600L													
Orange Peel Grapple (5 Tines)	GSM35 800L													
	GSM35 1000L													
	GSM35 1500L													
	CTV15 1000L													
D: : 0 1/0/ 1 "	CTV15 1200L													
Digging Grapple/Clamshell	CTV15 1500L													
	CTV15 1700L													



(2) With the MH undercarriage

Note: Demolition and Sorting Grapple: D-Demolition shells, R-Recycling shells Fixed CAN: CW quick coupler adapter plates

Attachment is a match

Pin-on or dedicated coupler

Pin-on only

Boom mounted

Not recommended

Maximum Material Density 1800 kg/m³

Maximum Material Density 600 kg/m³

<sup>\*</sup> Offerings not available in all areas. Matches are dependent on Wheeled Excavator configurations. Consult your Cat dealer to determine what is offered in your area and for proper work tool match.

### **Lift Capacities**

All values are in kg, hydraulic cab riser, without work tool, with counterweight (5200 kg), heavy lift on.

Load	point height Load over front			Load ov	ver rear		G	☐ Load ov	er side			Load	at maximu	m reach (s	ticknose/b	oucket pin)	)
	earriage r Standard						<b>Bo</b> c 6.8	om m MH	ł			<b>Sti</b> 5.9	ck m MH	I			
			3000 mm			4500 mm			6000 mm			7500 mm			-5	=6	
7	Undercarriage configuration		7	æ		P			7	ŒP		7	æ		9	ĠP	mm
12 000 mm	MH – stabilizers up – solid tires  MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down							7200 *7450 7100 *7450 7300 *7450 7250 *7450	7200 *7450 6750 *7450 6550 *7450 6700 *7450	5550 *7450 5350 *7450 5350 *7450 5400 *7450				5400 *5700 5350 *5700 5500 *5700 5450 *5700	5400 *5700 5050 *5700 4900 *5700 5050 *5700	4150 *5700 4000 *5700 4000 *5700 4050 *5700	7090
10 500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down										5150 *7250 5050 *7250 5200 *7250 5200 *7250	5150 *7250 4850 *7250 4700 *7250 4800 *7250	4000 *7250 3850 5600 3850 5700 3900 6700	3800 *4950 3700 *4950 3850 *4950 3800 *4950	3800 *4950 3550 *4950 3450 *4950 3550 *4950	2900 *4950 2800 4150 2800 4250 2800 *4950	8910
9000 mm	MH – stabilizers up – solid tires  MH – stabilizers down – solid tires  Lower (std UC) – f. stabilizer & r. dozer up  Lower (std UC) – f. dozer & r. dozer down  Lower (std UC) – f. dozer & r. stabilizer up  Lower (std UC) – f. dozer & r. stabilizer down  Lower (std UC) – 2 sets stabilizers up  Lower (std UC) – 2 sets stabilizers up										5200 *7450 5150 *7450 5300 *7450 5250 *7450	5200 *7450 4900 *7450 4750 *7450 4900 *7450	4050 *7450 3900 5650 3900 5800 3950 6750	3050 *4550 3000 *4550 3100 *4550 3050 *4550	3050 *4550 2850 *4550 2750 *4550 2850 *4550	2300 *4550 2200 3300 2200 3400 2250 4000	10 180
7500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down										5200 *7500 5100 *7500 5250 *7500 5250 *7500	5200 *7500 4850 *7500 4750 *7500 4850 *7500	4050 *7500 3900 5650 3900 5750 3900 6750	2650 *4350 2550 *4350 2650 *4350 2650 *4350	2650 *4350 2450 *4350 2350 4100 2450 4200	1950 4050 1850 2850 1850 2950 1900 3450	11 110
6000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down										5100 *7700 5000 *7700 5150 *7700 5150 *7700	5100 *7700 4750 *7700 4600 *7700 4750 *7700	3950 *7700 3800 5550 3800 5650 3800 6600	2350 *4300 2300 4250 2400 *4300 2350 *4300	2350 *4300 2200 4200 2100 3700 2200 3800	1750 3700 1650 2600 1650 2650 1700 3100	11 760
4500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down							6950 *9500 6900 *9500 7100 *9500 7050 *9500	6950 *9500 6500 *9500 6350 *9500 6500	5350 *9500 5150 7600 5150 7800 5200 9250	4900 *8000 4800 *8000 4950 *8000 4950 *8000	4900 *8000 4600 *8000 4450 7650 4550 7850	3750 7550 3600 5350 3600 5450 3650 6400	2200 4200 2150 4000 2200 *4300 2200 4100	2200 4200 2050 3950 1950 3450 2000 3550	1600 3450 1500 2400 1500 2450 1550 2900	12 200
3000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				10 250 *13 350 10 200 *13 350 10 500 *13 350 10 450 *13 350	10 250 *13 350 9500 *13 350 9250 *13 350 9450 *13 350	7600 *13 350 7350 11 400 7350 11 800 7400 *13 350	6550 *10 250 6450 *10 250 6650 *10 250 6650 *10 250	6550 *10 250 6100 *10 250 5900 *10 250 6100 *10 250	4950 *10 250 4750 7200 4750 7400 4800 8750	4700 *8350 4600 *8350 4750 *8350 4700 *8350	4700 *8350 4350 *8350 4200 7400 4350 7600	3550 7300 3400 5100 3400 5250 3450 6150	2100 4050 2050 3850 2100 4250 2100 3950	2100 4050 1950 3800 1850 3350 1900 3450	1500 3300 1450 2300 1450 2350 1450 2800	12 430
1500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				9300 *14 600 9250 *14 600 9550 *14 600 9500 *14 600	9300 *14 600 8600 *14 600 8300 *14 600 8550 *14 600	6750 *14 600 6500 10 400 6500 10 800 6550 13 200	6100 *10 750 6000 *10 750 6200 *10 750 6150 *10 750	6100 *10 750 5650 *10 750 5450 10 150 5650 10 400	4550 9900 4350 6750 4350 6900 4400 8250	4450 *8500 4350 8300 4500 *8500 4450 8500	4450 *8500 4100 8100 3950 7100 4100 7300	3300 7000 3150 4850 3150 4950 3200 5900	2050 4000 2000 3800 2050 *4000 2050 3900	2050 4000 1900 3750 1800 3300 1900 3400	1500 3250 1400 2250 1400 2300 1400 2750	12 480
0 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	*4050 *4050 *4050 *4050 *4050 *4050 *4050 *4050	*4050 *4050 *4050 *4050 *4050 *4050 *4050 *4050	*4050 *4050 *4050 *4050 *4050 *4050 *4050 *4050	8600 *14 600 8500 *14 600 8800 *14 600 8750 *14 600	8600 *14 600 7850 *14 600 7600 *14 600 7850 *14 600	6100 *14 600 5800 9650 5800 10 000 5900 12 350	5700 *10 750 5600 *10 750 5800 *10 750 5800 *10 750	5700 *10 750 5300 *10 750 5100 9650 5250 9950	4150 9450 3950 6350 3950 6500 4000 7850	4200 *8400 4100 8050 4250 *8400 4200 8250	4200 *8400 3900 7850 3750 6850 3850 7050	3100 6750 2950 4600 2950 4750 2950 5650	3303	5.03	2.00	

<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**

All values are in kg, hydraulic cab riser, without work tool, with counterweight (5200 kg), heavy lift on.

Load point height Load over front P Load over rear						rrear	Load over side Load at maximum reach (sti									ach (sticl	knose/bu	ıcket pin)	,	
	<b>carriage</b> r Standard							_	<b>oom</b> .8 m l	мн					i <b>ck</b> 9 m N	<b>И</b> Н				
⇒ <sub>⊤</sub>			4500 mm			6000 mm			7500 mm		,	9000 mm		1	0 500 mm	1			=	
	Undercarriage configuration		P		A	P	æ	4	P	<b>P</b>		P	æ		P	æ		7	GP	mm
12 000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down																*7800 *7800 *7800 *7800 *7800 *7800 *7800 *7800	*7800 *7800 *7800 *7800 *7800 *7800 *7800 *7800	6550 *7800 6300 *7800 6300 *7800 6400 *7800	5190
10 500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				7150 *9150 7050 *9150 7250 *9150 7200 *9150	7150 *9150 6650 *9150 6500 *9150 6650 *9150	5500 *9150 5300 7800 5300 8000 5350 *9150	4900 *6300 4850 *6300 4950 *6300 4950 *6300	4900 *6300 4600 *6300 4450 *6300 4600 *6300	3800 *6300 3600 5350 3600 5450 3650 *6300							4900 *6300 4850 *6300 4950 *6300 4950 *6300	4900 *6300 4600 *6300 4450 *6300 4600 *6300	3750 *6300 3600 5350 3600 5450 3650 *6300	7500
9000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				7250 *9250 7150 *9250 7350 *9250 7300 *9250	7250 *9250 6750 *9250 6600 *9250 6750 *9250	5600 *9250 5400 7900 5400 8100 5450 *9250	5050 *8050 4950 *8050 5100 *8050 5100 *8050	5050 *8050 4750 *8050 4600 7800 4700 8000	3900 7700 3750 5500 3750 5600 3800 6550							3700 *5700 3650 *5700 3750 *5700 3700 *5700	3700 *5700 3450 *5700 3350 *5700 3450 *5700	2850 5650 2700 4050 2700 4100 2750 4850	8980
7500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				7200 *9300 7100 *9300 7300 *9300 7250 *9300	7200 *9300 6700 *9300 6550 *9300 6700 *9300	5550 *9300 5350 7850 5350 8050 5400 *9300	*8000 *8000 4950 *8000 5100 *8000 5100 *8000	5050 *8000 4700 *8000 4600 7800 4700 8000	3900 7700 3750 5500 3750 5600 3800 6550	3750 6950 3650 6600 3800 *7000 3750 6800	3750 6950 3500 6500 3400 5750 3500 5900	2850 5700 2750 4050 2750 4150 2750 4850				3100 *5400 3000 *5400 3150 *5400 3100 *5400	3100 *5400 2900 5400 2800 4800 2850 4950	2350 4750 2250 3350 2250 3450 2250 4050	10 020
6000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				7000 *9700 6950 *9700 7100 *9700 7100 *9700	7000 *9700 6550 *9700 6350 *9700 6550 *9700	5400 *9700 5200 7650 5200 7850 5250 9250	4950 *8200 4850 *8200 5000 *8200 5000 *8200	4950 *8200 4650 *8200 4500 7700 4600 7900	3800 7550 3650 5400 3650 5500 3700 6450	3700 6900 3600 6550 3750 *7050 3700 6750	3700 6900 3450 6450 3350 5700 3450 5850	2850 5650 2700 4000 2700 4100 2750 4800	2850 5400 2800 5100 2900 5650 2850 5200	2850 5400 2650 5000 2550 4450 2650 4550	2150 4400 2050 3100 2050 3200 2050 3750	2750 5200 2650 4900 2750 *5300 2750 5000	2750 5200 2550 4800 2450 4250 2550 4400	2050 4250 1950 3000 1950 3050 2000 3600	10 740
4500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	10 550 *13 100 10 500 *13 100 10 800 *13 100 10 750 *13 100	10 550 *13 100 9800 *13 100 9500 *13 100 9750 *13 100	7900 *13 100 7600 11 700 7600 12 100 7650 *13 100	6700 *10 250 6650 *10 250 6800 *10 250 6800 *10 250	6700 *10 250 6250 *10 250 6100 *10 250 6250 *10 250	5100 *10 250 4900 7350 4900 7550 4950 8950	4800 *8400 4700 *8400 4850 *8400 4800 *8400	4800 *8400 4450 *8400 4300 7500 4450 7700	3650 7400 3500 5200 3500 5350 3550 6250	3600 6800 3550 6450 3650 *7100 3650 6650	3600 6800 3350 6350 3250 5600 3350 5750	2750 5550 2600 3950 2600 4000 2650 4750	2850 5350 2750 5050 2850 5600 2850 5200	2850 5350 2650 5000 2550 4400 2600 4550	2100 4350 2000 3100 2000 3150 2050 3700	2550 4800 2450 4550 2550 5050 2550 4650	2550 4800 2350 4500 2250 3950 2350 4050	1900 3950 1800 2750 1800 2800 1800 3350	11 220
3000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	9750 *14 450 9650 *14 450 9950 *14 450 9900 *14 450	9750 *14 450 9000 *14 450 8700 *14 450 8950 *14 450	7150 *14 450 6850 10 850 6850 11 200 6950 13 650	6350 *10 800 6250 *10 800 6450 *10 800 6400 *10 800	6350 *10 800 5900 *10 800 5700 10 400 5850 10 650	4750 10 150 4550 6950 4550 7150 4600 8500	4600 *8600 4500 8450 4650 *8600 4600 *8600	4600 *8600 4250 8250 4100 7250 4250 7450	3450 7150 3300 5000 3300 5100 3350 6050	3500 6700 3400 6350 3550 7050 3500 6500	3500 6700 3250 6200 3150 5500 3250 5650	2650 5450 2500 3800 2500 3900 2550 4600	2750 5300 2700 5000 2800 5550 2800 5100	2750 5300 2550 4900 2500 4350 2550 4450	2050 4300 1950 3000 1950 3100 2000 3650	2400 4600 2350 4350 2450 4850 2400 4450	2400 4600 2250 4300 2150 3800 2200 3900	1800 3750 1700 2650 1700 2700 1700 3200	11 470
1500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	8950 *14 950 8850 *14 950 9150 *14 950 9100 *14 950	8950 *14 950 8250 *14 950 7950 *14 950 8200 *14 950	6450 *14 950 6150 10 000 6150 10 350 6200 12 750	5950 *10 950 5850 *10 950 6050 *10 950 6000 *10 950	5950 *10 950 5500 *10 950 5350 9950 5500 10 200	4400 9750 4200 6550 4200 6750 4250 8100	4350 *8600 4300 8200 4400 *8600 4400 8400	4350 *8600 4050 8000 3900 7050 4050 7200	3250 6950 3100 4800 3100 4900 3150 5850	3400 6550 3300 6200 3400 6900 3400 6350	3400 6550 3150 6100 3050 5350 3100 5500	2500 5300 2400 3700 2400 3800 2450 4500	2700 5200 2650 4900 2750 5500 2700 5050	2700 5200 2500 4850 2400 4250 2500 4400	2000 4250 1900 2950 1900 3050 1950 3600	2350 *4400 2300 4300 2400 *4400 2350 *4400	2350 *4400 2200 4250 2100 3750 2200 3850	1750 3700 1650 2600 1650 2650 1650 3150	11 520
0 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	8450 *10 200 8350 *10 200 8650 *10 200 8600 *10 200	8450 *10 200 7750 *10 200 7450 *10 200 7700 *10 200	6000 *10 200 5700 9500 5700 9850 5750 *10 200	5650 *10 450 5550 *10 450 5750 *10 450 5750 *10 450	5650 *10 450 5250 *10 450 5050 9600 5200 9850	4150 9400 3950 6250 3950 6450 4000 7800	4200 *8150 4100 8000 4250 *8150 4200 *8150	4200 *8150 3900 7800 3750 6850 3850 7050	3100 6750 2950 4600 2950 4750 3000 5650	3300 6450 3200 6100 3300 *6450 3300 6250	3300 6450 3050 5950 2950 5250 3000 5400	2400 5200 2300 3600 2300 3700 2350 4350	2650 *4950 2600 4850 2700 *4950 2650 *4950	2650 *4950 2450 4800 2350 4200 2450 4350	1950 4200 1850 2900 1850 2950 1900 3550	- 2			

<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**

All values are in kg, bucket cylinder and linkage installed, hydraulic cab riser, without work tool, with counterweight (5200 kg), heavy lift on.

Load point height Load over front Placed over rear									Loa	ıd over si	de		Load at maximum reach (sticknose/bucket pin)							
	carriage or Standard								<b>oom</b> .8 m l	мн					ti <b>ck</b> .8 m S	Straigh	nt Stic	k		
			4500 mm	1		6000 mm			7500 mm			9000 mm			10 500 mn					
$\searrow_{\perp}$	Undercarriage configuration	P4	4	æ	Phy	<b>P</b>	æ		7	æ		7	ŒP		4	ŒP	P <sub>1</sub>		GP	mm
12 000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 dest stabilizers up Lower (std UC) – 2 sets stabilizers down	*8800 *8800 *8800 *8800 *8800 *8800 *8800 *8800	*8800 *8800 *8800 *8800 *8800 *8800 *8800 *8800	7900 *8800 7600 *8800 7600 *8800 7700 *8800					J		)	ij			1		*7750 *7750 *7750 *7750 *7750 *7750 *7750 *7750 *7750	*7750 *7750 *7750 *7750 *7750 *7750 *7750 *7750	6700 *7750 6450 *7750 6450 *7750 6500 *7750	4970
10 500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				6800 *8850 6750 *8850 6900 *8850 6900 *8850	6800 *8850 6350 *8850 6150 *8850 6300 *8850	5150 *8850 4950 7450 4950 7650 5000 *8850										4750 *6150 4650 *6150 4800 *6150 4750 *6150	4750 *6150 4400 *6150 4250 *6150 4400 *6150	3550 *6150 3400 5200 3400 5300 3450 *6150	7350
9000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				6950 *9000 6850 *9000 7050 *9000 7000 *9000	6950 *9000 6450 *9000 6250 *9000 6450 *9000	5300 *9000 5100 7600 5100 7800 5150 *9000	4700 *7700 4650 *7700 4800 *7700 4750 *7700	4700 *7700 4400 *7700 4250 7500 4400 7650	3550 7350 3400 5150 3400 5300 3450 6250							3450 *5550 3350 *5550 3500 *5550 3450 *5550	3450 *5550 3200 *5550 3100 5500 3200 *5550	2550 5450 2400 3800 2400 3850 2450 4600	8860
7500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				6900 *9050 6800 *9050 7000 *9050 6950 *9050	6900 *9050 6400 *9050 6250 *9050 6400 *9050	5250 *9050 5050 7550 5050 7750 5100 *9050	4700 *7700 4650 *7700 4800 *7700 4750 *7700	4700 *7700 4400 *7700 4250 7450 4350 7650	3550 7350 3400 5150 3400 5300 3450 6250	3400 6600 3300 6300 3450 *6650 3400 6450	3400 6600 3150 6150 3050 5400 3150 5550	2500 5350 2400 3700 2400 3800 2450 4500				2800 *5200 2750 *5200 2850 *5200 2800 *5200	2800 *5200 2600 5150 2500 4550 2600 4650	2050 4500 1950 3100 1950 3150 1950 3750	9910
6000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				6700 *9400 6600 *9400 6800 *9400 6750 *9400	6700 *9400 6250 *9400 6050 *9400 6200 *9400	5050 *9400 4850 7350 4850 7550 4900 8950	4600 *7850 4550 *7850 4700 *7850 4650 *7850	4600 *7850 4300 *7850 4150 7350 4250 7550	3450 7250 3300 5050 3300 5200 3350 6100	3350 6600 3300 6250 3400 *6650 3400 6400	3350 6600 3100 6100 3000 5400 3100 5550	2500 5300 2350 3700 2350 3800 2400 4500	2500 5050 2450 4750 2550 5300 2500 4850	2500 5050 2300 4650 2200 4100 2300 4200	1800 4050 1700 2750 1700 2850 1700 3400	2450 4900 2350 4650 2450 *5100 2450 4750	2450 4900 2250 4550 2150 4000 2250 4100	1750 3950 1650 2700 1650 2750 1650 3300	10 640
4500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	10 200 *12 850 10 150 *12 850 10 450 *12 850 10 400 *12 850	10 200 *12 850 9450 *12 850 9150 *12 850 9400 *12 850	7550 *12 850 7250 11 350 7250 11 750 7300 *12 850	6350 *9900 6300 *9900 6500 *9900 6450 *9900	6350 *9900 5900 *9900 5750 *9900 5900	4750 *9900 4550 7000 4550 7200 4600 8600	*8050 *8050 *8050 *8050 4500 *8050 4450 *8050	4450 *8050 4100 *8050 4000 7150 4100 7350	3300 7050 3150 4850 3150 5000 3200 5950	3250 6450 3200 6150 3300 *6700 3300 6300	3250 6450 3000 6000 2900 5300 3000 5450	2400 5200 2250 3600 2250 3700 2300 4400	2500 5000 2400 4700 2500 5300 2500 4850	2500 5000 2300 4650 2200 4050 2250 4200	1750 4050 1650 2750 1650 2800 1700 3350	2200 4550 2150 4250 2250 4800 2200 4400	2200 4550 2050 4200 1950 3650 2000 3800	1550 3650 1450 2450 1450 2500 1500 3050	11 120
3000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers up	9300 *14 100 9250 *14 100 9550 *14 100 9500 *14 100	9300 *14 100 8550 *14 100 8300 *14 100 8550 *14 100	6750 *14 100 6450 10 450 6450 10 800 6500 13 250	5950 *10 400 5850 *10 400 6050 *10 400 6000 *10 400	5950 *10 400 5500 *10 400 5300 10 000 5500 10 300	4400 9800 4200 6600 4200 6800 4250 8150	4200 *8200 4100 8100 4250 *8200 4250 *8200	4200 *8200 3900 7900 3750 6900 3900 7100	3100 6800 2950 4650 2950 4750 2950 5700	3150 6350 3050 6000 3200 *6700 3150 6150	3150 6350 2900 5850 2800 5150 2900 5300	2250 5100 2150 3450 2150 3550 2200 4250	2400 4950 2350 4650 2450 5200 2400 4750	2400 4950 2200 4550 2100 4000 2200 4100	1700 3950 1600 2650 1600 2750 1650 3300	2100 4300 2000 4050 2100 *4500 2100 4200	2100 4300 1900 4000 1800 3500 1900 3600	1450 3450 1350 2300 1350 2350 1400 2850	11 380
1500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	8450 *14 450 8400 *14 450 8650 *14 450 8600 *14 450	8450 *14 450 7750 *14 450 7450 *14 450 7700 *14 450	5950 *14 450 5650 9550 5650 9900 5750 12 250	5550 *10 500 5450 *10 500 5650 *10 500 5600 *10 500	5550 *10 500 5100 *10 500 4900 9500 5100 9800	4000 9300 3800 6150 3800 6350 3850 7700	4000 *8150 3900 7850 4050 *8150 4000 8050	4000 *8150 3700 7650 3550 6650 3650 6850	2900 6550 2750 4400 2750 4550 2750 5450	3000 6200 2950 5850 3050 *6500 3050 6000	3000 6200 2800 5700 2650 5000 2750 5150	2150 4950 2050 3350 2050 3400 2050 4100	2350 4850 2300 4550 2350 *5100 2350 4700	2350 4850 2150 4500 2050 3900 2150 4050	1650 3900 1550 2600 1550 2650 1550 3250	2050 *4000 1950 4000 2050 *4000 2050 *4000	2050 *4000 1850 3950 1750 3450 1850 3550	1400 3400 1300 2250 1300 2300 1350 2800	11 430
0 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers up	7950 *9550 7850 *9550 8150 *9550 8100 *9550	7950 *9550 7250 *9550 6950 *9550 7200 *9550	5500 *9550 5200 9000 5200 9350 5250 *9550	5250 *9900 5150 *9900 5350 *9900 5300 *9900	5250 *9900 4800 *9900 4600 9150 4800 9450	3700 8950 3500 5850 3500 6050 3550 7350	3800 *7650 3700 7600 3850 *7650 3850 *7650	3800 *7650 3500 7400 3350 6450 3500 6650	2700 6350 2550 4200 2550 4350 2600 5250	2900 *6000 2850 5700 2950 *6000 2900 5900	2900 *6000 2650 5600 2550 4900 2650 5050	2050 4850 1950 3200 1950 3300 1950 4000	2300 *4450 2200 *4450 2300 *4450 2300 *4450	2300 *4450 2100 4450 2000 3850 2100 4000	1600 3850 1500 2550 1500 2600 1500 3150				

<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**

All values are in kg, bucket cylinder and linkage installed, hydraulic cab riser, without work tool, with counterweight (4100 kg), heavy lift on.

Load	point height Load over from	it	[	Load ov	er rear		G-	Load ov	er side		**	Load	at maximu	m reach (s	ticknose/b	ucket pin)	!	
	earriage : Standard						<b>Bo</b> o	om e-Piece				<b>Stic</b> 2.9						
>> <sub>T</sub>			3000 mm			4500 mm			6000 mm			7500 mm						
	Undercarriage configuration	<b>4</b>	7	æ	<u>-</u>	7	æ	<u>-</u>	7	æ	<b>4</b>	7	æ	₽4	7	æ	mm	
7500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down													*3050 *3050 *3050 *3050 *3050 *3050 *3050 *3050	*3050 *3050 *3050 *3050 *3050 *3050 *3050 *3050	*3050 *3050 *3050 *3050 *3050 *3050 *3050 *3050	6560	
6000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – Z sets stabilizers up Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down										*3850 *3850 *3850 *3850 *3850 *3850 *3850 *3850	*3850 *3850 3800 *3850 3700 *3850 3800 *3850	3050 *3850 2900 *3850 2900 *3850 2950 *3850	*2750 *2750 *2750 *2750 *2750 *2750 *2750 *2750 *2750	*2750 *2750 *2750 *2750 *2750 *2750 *2750 *2750 *2750	*2750 *2750 *2750 *2750 *2750 *2750 *2750 *2750	7660	
4500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down							5800 *6550 5700 *6550 5900 *6550 5850 *6550	5800 *6550 5400 *6550 5200 *6550 5350 *6550	4350 *6550 4150 6400 4150 *6550 4200 *6550	4100 *5850 3950 *5850 4100 *5850 4100 *5850	4100 *5850 3800 *5850 3650 *5850 3750 *5850	3000 *5850 2850 4450 2850 4600 2900 5450	*2650 *2650 *2650 *2650 *2650 *2650 *2650 *2650	*2650 *2650 *2650 *2650 *2650 *2650 *2650 *2650	2500 *2650 2350 *2650 2350 *2650 2400 *2650	8340	
3000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				8550 *9850 8450 *9850 8750 *9850 8700 *9850	8550 *9850 7850 *9850 7600 *9850 7800 *9850	6150 *9850 5850 9550 5850 *9850 *9850	5550 *7400 5450 *7400 5600 *7400 5600 *7400	5550 *7400 5150 *7400 4950 *7400 5100 *7400	4100 *7400 3900 6100 3900 6300 3950 *7400	3950 *6200 3850 *6200 4000 *6200 3950 *6200	3950 *6200 3650 *6200 3500 *6200 3650 *6200	2900 *6200 2750 4350 2750 4450 2800 5300	*2650 *2650 *2650 *2650 *2650 *2650 *2650 *2650	*2650 *2650 *2650 *2650 *2650 *2650 *2650 *2650	2250 *2650 2150 *2650 2150 *2650 2150 *2650	8690	
1500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				8000 *11 400 7850 *11 400 8150 *11 400 8100 *11 400	8000 *11 400 7300 *11 400 7050 *11 400 7250 *11 400	5650 *11 400 5350 8950 5350 9300 5400 *11 400	5300 *8200 5150 *8200 5350 *8200 5300 *8200	5300 *8200 4850 *8200 4700 *8200 4850 *8200	3800 *8200 3650 5850 3650 6000 3650 7250	3850 *6550 3700 *6550 3850 *6550 3850 *6550	3850 *6550 3550 *6550 3400 6300 3500 6500	2800 6250 2650 4200 2650 4300 2650 5200	*2800 *2800 *2800 *2800 *2800 *2800 *2800 *2800	*2800 *2800 *2800 *2800 2650 *2800 2750 *2800	2200 *2800 2050 *2800 2050 *2800 2100 *2800	8770	
0 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down				7700 *11 850 7550 *11 850 7850 *11 850 7800 *11 850	7700 *11 850 7000 *11 850 6750 *11 850 6950 *11 850	5350 *11 850 5100 8650 5100 8950 5150 11 150	5100 *8550 4950 *8550 5150 *8550 5100 *8550	5100 *8550 4700 *8550 4500 *8550 4650 *8550	3650 *8550 3450 5650 3450 5800 3500 7050	3700 *6650 3600 *6650 3750 *6650 3750 *6650	3700 *6650 3450 *6650 3300 6150 3400 6350	2700 6100 2550 4100 2550 4200 2550 5050	*3050 *3050 3000 *3050 *3050 *3050 *3050 *3050	*3050 *3050 2850 *3050 2700 *3050 2800 *3050	2200 *3050 2100 *3050 2100 *3050 2100 *3050	8580	
−1500 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers down	*9250 *9250 *9250 *9250 *9250 *9250 *9250 *9250	*9250 *9250 *9250 *9250 *9250 *9250 *9250 *9250	*9250 *9250 *9250 *9250 *9250 *9250 *9250 *9250	7600 *11 250 7450 *11 250 7750 *11 250 7700 *11 250	7600 *11 250 6950 *11 250 6650 *11 250 6900 *11 250	5300 *11 250 5000 8550 5000 8850 5100 11 050	5000 *8300 4850 *8300 5050 *8300 5050 *8300	5000 *8300 4600 *8300 4400 *8300 4550 *8300	3550 *8300 3350 5550 3350 5700 3400 6950	3700 *6300 3550 *6300 3700 *6300 3700 *6300	3700 *6300 3400 *6300 3250 6150 3350 *6300	2650 6050 2500 4050 2500 4150 2550 5000	3350 *3500 3200 *3500 3350 *3500 3350 *3500	3350 *3500 3050 *3500 2950 *3500 3050 *3500	2400 *3500 2250 *3500 2250 *3500 2300 *3500	8100	
−3000 mm	MH – stabilizers up – solid tires MH – stabilizers down – solid tires Lower (std UC) – f. stabilizer & r. dozer up Lower (std UC) – f. stabilizer & r. dozer down Lower (std UC) – f. dozer & r. stabilizer up Lower (std UC) – f. dozer & r. stabilizer down Lower (std UC) – 2 sets stabilizers up Lower (std UC) – 2 sets stabilizers up	*13 200 *13 200 *13 200 *13 200 *13 200 *13 200 *13 200 *13 200	*13 200 *13 200 *13 200 *13 200 *13 200 *13 200 *13 200 *13 200	10 000 *13 200 9500 *13 200 9500 *13 200 9600 *13 200	7650 *9750 7550 *9750 7800 *9750 7750 *9750	7650 *9750 7000 *9750 6700 *9750 6950 *9750	5350 *9750 5050 8600 5050 8950 5150 *9750	5050 *7250 4900 *7250 5100 *7250 5050 *7250	5050 *7250 4600 *7250 4450 *7250 4600 *7250	3600 *7250 3400 5550 3400 5750 3450 7000				3900 *4350 3800 *4350 3950 *4350 3900 *4350	3900 *4350 3600 *4350 3450 *4350 3600 *4350	2800 *4350 2650 4300 2650 *4350 2700 *4350	7260	

<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.

### MH3024 Standard Equipment

### **Standard Equipment**

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

#### **ELECTRICAL**

- · Alternator, 115A
- · Heavy Duty maintenance free batteries
- Lights
- -Boom and stick LED working light
- -One LED light on the counterweight
- -Cab LED interior dome light
- -Roading lights two front
- -Roading lights two rear
- Working LED lights, cab mounted (front and rear)
- · Main shut-off switch
- · Signal/warning horn

#### **ENGINE**

- · Air filter
- Altitude capability: 3000 m
- Automatic engine speed control, including One Touch Low Idle
- · Engine Idle Shutdown
- · Automatic starting aid
- Cat C7.1 ACERT meeting Stage IV emission standards
- Fuel filter
- Fuel/water separator with level indicator
- High ambient cooling
- Power mode selector (economy, power)

#### **HYDRAULICS**

- · Adjustable hydraulic sensitivity
- Cat XT-6 ES hoses
- Control circuits (standard and optional, depending on boom/stick/linkage choice):
- Medium pressure
  - Two-way, medium pressure circuit, for rotating or tilting of work tools
- · Heavy lift mode
- · Load-sensing hydraulic system
- · Oil cooler
- · Quick disconnect couplings
- Separate swing pump

#### **OPERATOR STATION**

- · Additional color monitor for sideview camera
- · Adjustable armrests
- Air conditioner, heater and defroster with automatic climate control
- Beverage cup/can holder
- · Bolt-on top/front guards capability
- Bottle holder
- Bottom mounted, intermittent, parallel wiping system, covering upper and lower windshield glass
- Camera integrated into the counterweight displays through cab monitor
- CD/MP3 radio (12V) at rear location including speakers and 12V converter
- Coat hook
- Cruise control system
- Floor mat, washable, with storage compartment
- Fully adjustable suspension seat
- · Hydraulic cab riser
- Instrument panel and gauges, full graphic and color display
- -Information and warning messages in local language
- Gauges for fuel and DEF levels, engine coolant and hydraulic oil temperature
- Filters/fluids change interval, working hours
- Indicators for headlights, turning signal, low fuel and DEF, engine dial setting
- -Clock with 10-day backup battery
- · Interior lighting with door switch
- · Joysticks, pilot operated
- · Laminated front windshield
- Left side console, tiltable, with lock out for all controls
- Lighter (24V)
- Literature holder in right console
- Mobile phone holder
- · Parking brake
- Pin code type engine start prevention, integrated into the monitor
- · Positive filtered ventilation, variable speed
- Power supply, 12V-10A
- · Rear window, emergency exit

- Retractable seat belt, integrated into the seat
- · Seat belt indicator and alarm
- · Skylight
- · Sliding door windows
- Steering column, adjustable angle and height
- Step, integrated into the skirt
- Storage area suitable for a lunch box
- · Sunshade for windshield and skylight

#### **UNDERCARRIAGE**

- · Automatic brake and axle lock
- Automatic swing and implement lock
- · Creeper speed
- · Four wheel drive
- Full hydraulic steering with emergency capability
- Heavy-duty axles, advanced travel motor, adjustable braking force and disc brake system
- Oscillating front axle, lockable, with remote greasing
- Steps, wide, left and right
- Tool boxes, left and right, in undercarriage
- Two-speed hydrostatic transmission

#### OTHER EQUIPMENT

- Auto-lube system (implements and swing gear)
- Automatic swing brake
- · Capability to add auxiliary hydraulic circuit
- Cooling package, fine mesh screen and engine air precleaner
- Cat Electronic Technician capability (ET)
- Counterweight, 4100 kg
- Door locks and cap locks with Cat one-key security system
- Lowering check valves, BLCV including overload warning device and SLCV
- · Mirrors, frame and cab
- Product Link
- · Rear wide angle camera
- Side wide angle camera
- S·O·S<sup>SM</sup> Quick Sampling valves for engine oil, hydraulic oil and coolant

### **MH3024 Optional Equipment**

### **Optional Equipment**

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

### **AUXILIARY CONTROLS AND LINES**

- · Auxiliary boom and stick lines
- Control circuits (standard and optional, depending on boom/stick/linkage choice):
- -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
- -Quick coupler control
- Cat BIO HYDO Advanced HEES biodegradable hydraulic oil
- SmartBoom

#### **BOOMS AND STICKS**

- VA boom (5440 mm):
- -Straight stick (2500, 2900 mm)
- One-Piece boom (5650 mm):
- -Straight stick (2500, 2900 mm)
- Material Handling boom (6800 mm):
- Drop nose MH stick (4900 or 5900 mm)
- -Straight MH stick (4800 mm)

#### **ELECTRICAL**

- Back-up alarm with three selectable modes
- · Rotating beacon

#### **OPERATOR STATION**

- Top/front guards
- Joystick steering
- Pedal HPF/Hammer for auxiliary operation
- Seat, adjustable high-back
- Vertical air suspension, horizontal suspension, automatic weight adjustment, lumbar support, passive climate system, seat cushion length/angle adjustment and heated seat (Comfort)
- Vertical air suspension, horizontal suspension, automatic height and weight adjustment, active climate system, premium microfiber seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening (Deluxe)
- Visor for rain protection
- Windshield
- -One-piece fixed
- -70/30 split, openable

### **TIRES**

- Dual pneumatic 11.00-20
- Dual solid rubber, 10.00-20
- Spacer rings for tires

### **UNDERCARRIAGE**

- MH undercarriage with four welded outriggers
- MH undercarriage with four welded outriggers and front mounted blade
- Standard undercarriage, with outriggers (front and/or rear), dozer blade (front or rear)

#### OTHER EQUIPMENT

- · Bucket linkages
- Cat Machine Security System
- Counterweight, 5200 kg
- Hydraulic quick coupler
- Maximum speed 20 km/h or 25 km/h\*
- Mirrors heated, frame and cab
- Refueling pump with dedicated tray for the hose
- \*25 km/h not compatible with solid tires

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

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