MH3026

Wheel Material Handler

2018

Engine		
Engine Model	Cat® C7.1 ACERT™	
Emissions	U.S. EPA Tier 4 Final	
Power (Maximum)		
ISO 9249 at 1,700 rpm	126 kW	169 hp
ISO 9249 at 1,700 rpm (metric)		171 hp
ISO 14396 at 1,700 rpm (gross)	129.4 kW	174 hp
ISO 14396 at 1,700 rpm (gross) (metric)		176 hp

Weights		
Operating Weight with Work Tool	23 135 kg-27 505 kg	51,000 lb-60,640 lb
Working Ranges (MH boom, stick 5900 mm/19'4")		
Maximum Reach (stick pin)	12 485 mm	41'0"
Maximum Height (stick pin)	13 300 mm	43'8"
Drive		
Maximum Travel Speed	25 km/h	15.5 mph

Introduction

We know that when it comes to material handling equipment, your success depends on high productivity and dependable performance. The MH3026 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

The new MH3026 is here to help you take on the wide variety of challenges you face every day, more easily and at a lower cost.

Commitment from the Ground Up.

Sustainability

Generations Ahead in Every Way

Fuel Efficiency and Reduced Exhaust Emissions

The engine meets Tier 4 Final emission standards, is powerful and efficient, with an optimized 10% fuel consumption improvement versus the previous series and no impact on your productivity. This means less resource consumption and smaller CO_2 footprint.

Transparent Technologies and Longer Service Intervals

- The Eco Mode, Auto Engine Speed Control and Engine Idle Shutdown help further reduce your overall fuel consumption.
- Product Link™ allows remote monitoring of the machine and helps improve overall efficiency.
- 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 MH3026 has the flexibility to run on either ultra-low-sulfur diesel fuel (ULSD with 15 ppm of sulfur or less) or up to B20 biodiesel 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.

Blue Angel Certification

Coming soon*

*Not available for all machine configurations.

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 Tier 4 Final 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
- **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 – and reduce CO_2 emission to protect the environment.

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

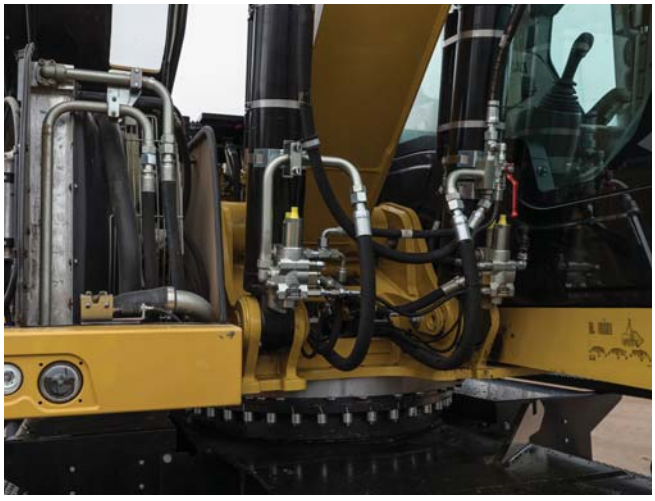
Built-in Fuel Savers That Add Up

- **Automatic Engine Speed Control:** lowers engine speed when it is not needed.
- **Engine Idle Shutdown:** turns the engine off when it's been idling for more than a pre-set amount of time.
- **On-Demand Cooling System:** variable speed and on-demand fan.
- **Enhanced Eco Mode:** reduces engine speed while delivering the same power.
- **Automatic Shift to Travel Mode** when you start driving.
- **Optimized Travel Mode:** travel mode rpm levels are set automatically on-demand only to further reduce fuel consumption.

Hydraulic System

Fast, Precise, Flexible

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

Control Like No Other

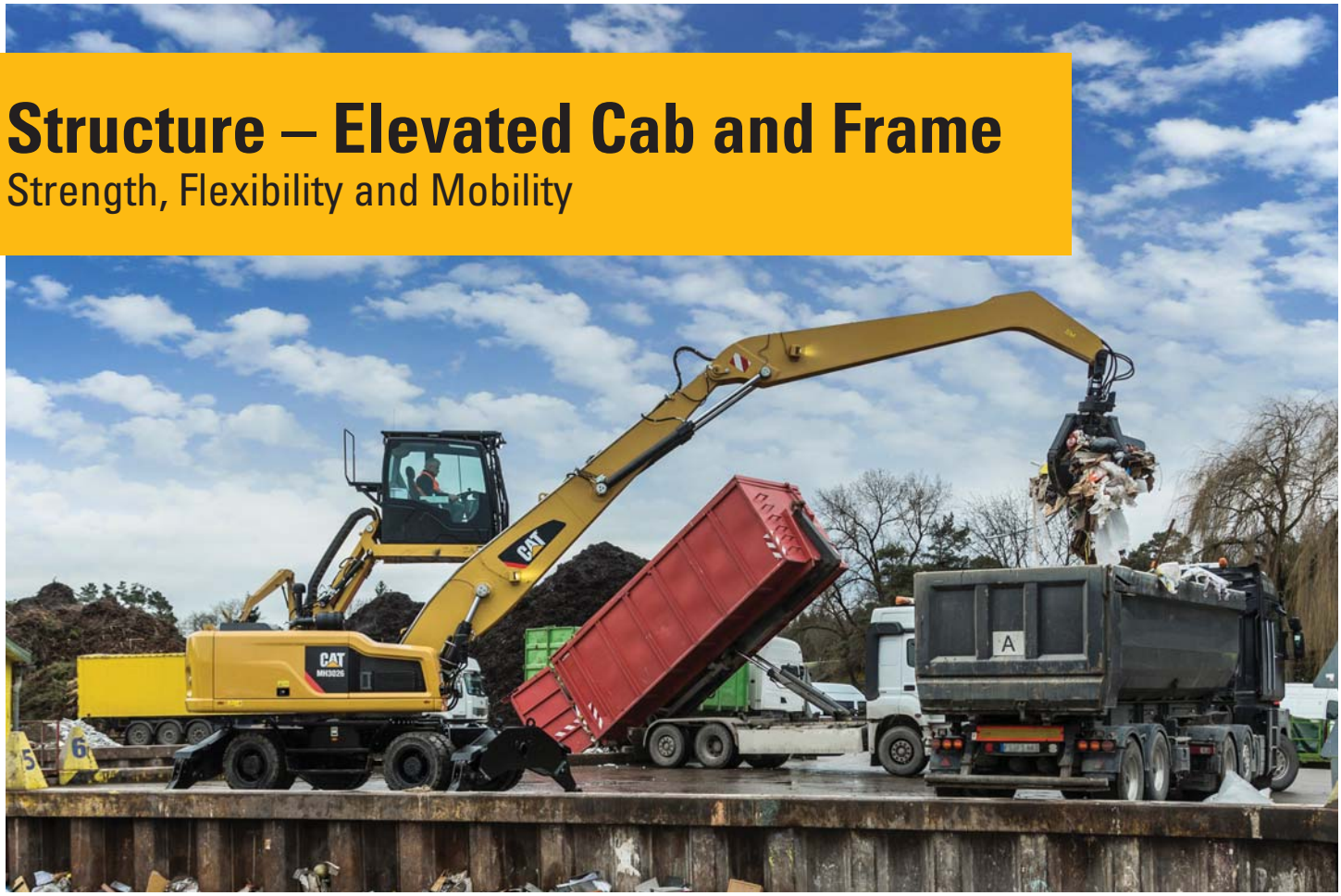
- **Electronic Pump Control** – Controllability is one of the main attributes of the MH3026, and one of the key contributors to this is the Electronic Pump Control (EPC) that's designed to improve response time and precision. It puts flow exactly where you need it, when you need it, which means a much smoother operation and greater efficiency.
- **Adjustable Hydraulic Sensitivity** – Allows you to adjust the aggressiveness of the machine according to the application.
- **Stick Regeneration Circuit** – Increases efficiency and helps enhance controllability for higher productivity of straight sticks with linkage.

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 (7'10") 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: 2.75 m (9'0") standard undercarriage, 2.75 m (9'0") MH undercarriage and 2.99 m (9'10") MH undercarriage.

- **NEW!** Material Handling with Dozer Blade – An optional expansion to the new Material Handling 2.75 m (9'0") 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.

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. The drive shaft offers long service intervals.

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 with improved smoothness.

Travel mode rpm levels are set automatically and "on-demand only" to further reduce fuel consumption.

SmartBoom™

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

No Compromise on Durability

You know that a material handler works only as good as its front linkage is able to handle the job. The MH3026's booms and sticks are purpose built for the loads encountered in material handling applications.

MH Booms

MH boom includes high pressure hydraulic lines for opening and closing functionality and medium pressure lines for implement rotation.

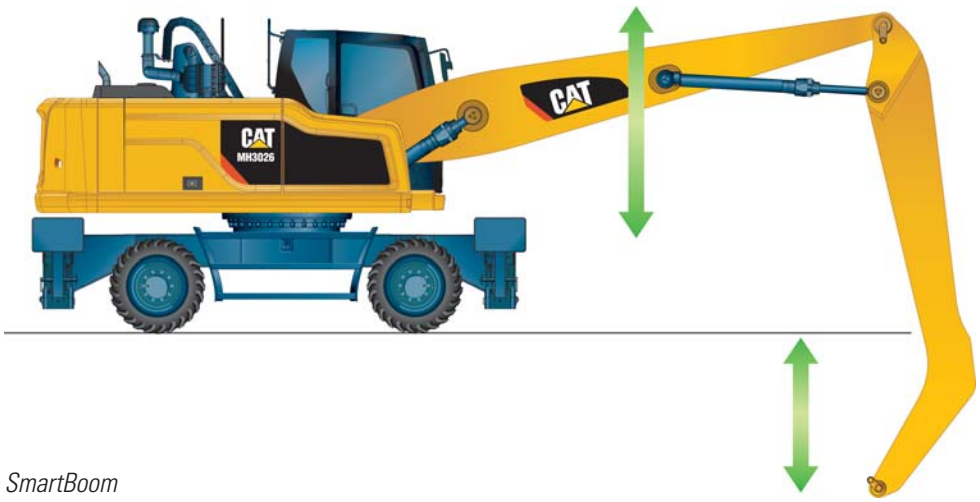
MH Sticks

MH sticks are equipped with high and medium pressure auxiliary lines. The 4900 mm (16'1"), 5500 mm (18'1") and 5900 mm (19'4") drop nose sticks offer the reaching and lifting capabilities required for typical MH applications, while the 4800 mm (15'9") Straight Stick is the best solution when additional work tool functionality is needed.

Special Applications

Our material handlers offer 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.

Digging sticks are available in combination with a variable adjustable (VA) or one-piece boom.



SmartBoom

Smart Features
Easier than Ever

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.
- The swing lock can be applied independently from the implements lock at low speed (below 5 km/h [3.1 mph])

Integrated Pin Code
No need to buy an optional security system to protect your equipment against theft.
- The pin code is integrated into the monitor (standard)
- Entering the right code allows the engine to start

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

Cruise Control
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

Designed for the operator, our cabs are unique.

Ergonomic Layout
- Frequently used switches are centralized, kept to the minimum and ideally located close to the joysticks.
- Storage compartments are useful … when well designed. Several areas provide sufficient room to store a hard hat, a drink, phone, or keys.

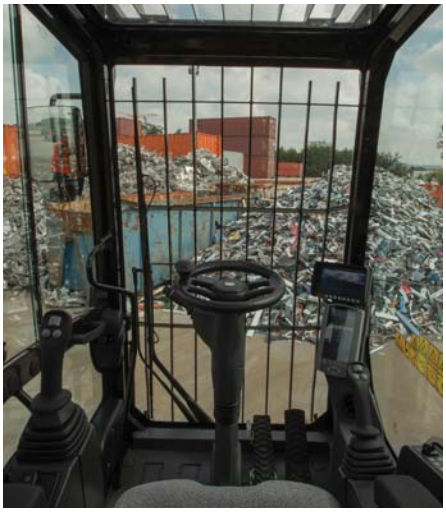
Comfortable Seat Options
Our seats provide all the comfort needed for a long day of work, including FULL adjustment. All seats are heated and air suspended. Automatic weight adjustment and ventilated seats are available.

Safety Is Not Optional
TOPS 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.



Simplicity and Functionality
For Ease of Operation

A Cab Just for You – Fully Adjustable
- Seat armrests, in height and angle
- Steering column adjustment, not only tilting fore/aft but also in height
- Hydraulic sensitivity of the machine to make it more or less aggressive
- Joystick and left pedal controls assignments: can be set up as desired and per tool
- Optional advanced joystick offering more controls (two sliders, five buttons each)
- Automatic air conditioning
- Optional heated mirrors are now also electrically adjustable from the cab

Incredibly Low Sound Levels, Less Fatigue
Increased cab pressure, preventing from dust entry, combined with the cab design contributes to reducing sound.

Outstanding Visibility: See the difference!
- All glass areas have been drastically increased
- Standard LED working lights and halogen front roading lights
- Standard LED dome light
- Standard rearview AND sideview wide angle cameras
- Wide angle mirrors for a better visibility even down to the ground
- Parallel intermittent (four speeds) wipers covering the whole windshield

Standard LED Lights for BOTH Cameras to See What's Going on Around, Day or Night
The rear camera is integrated into the counterweight for enhanced protection.

Split-Screen View of BOTH Cameras on the Same Monitor
The views from both cameras are displayed side by side on the additional wide color monitor for better visibility at first glance.

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

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.

A Smart Design for Any Temperature

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

- The optional Cooling Protection Package includes a fine mesh for enhanced radiator protection and an engine air pre-cleaner.
- The optional Waste Handling Package adds a reversing fan rotation function with adjustable intervals and a vibrating grill on the cooling hood. This vibration together with the reversed airflow direction will shake accumulated particles off the mesh.

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 lubrication system is a time-saving standard feature for greasing the whole uppercarriage. Greasing points for the undercarriage are kept to a minimum and grouped. The drive shaft extends greasing intervals from 500 hours to 1,000 hours and allows simultaneous greasing with the lower axle bearing. 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 maintenance work for you.

Keep it simple.

Integrated Technologies

It Pays to Know

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.

EQUIPMENT MANAGEMENT

Equipment Management – increase uptime and reduce operating costs.

PRODUCTIVITY

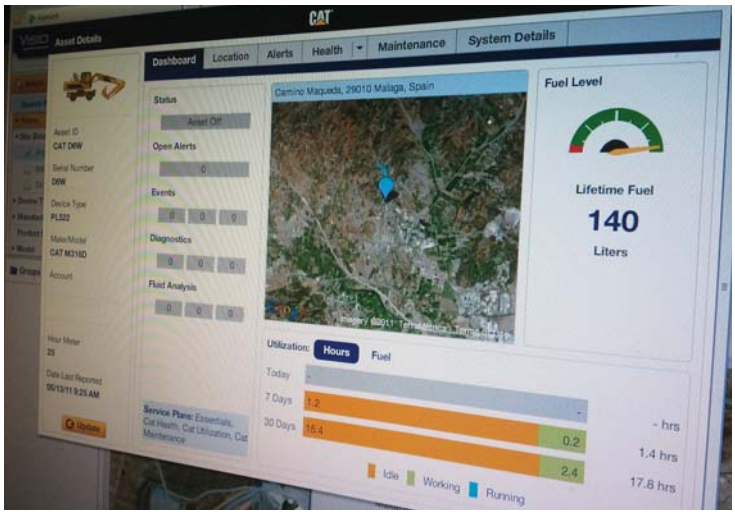
Productivity – monitor production and manage job site efficiency.

SAFETY

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

Link

Link technologies provide wireless capability to machines to enable two-way transfer of information.



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.

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.

Work Tool Attachments

Move More, Make More

Optional 15 kW (20 hp) Cat Generator with Solid State Controller

If your work tool or application needs additional power for operation, the MH3026 can come equipped with an optional 15 kW (20 hp) solid state generator. Experience enhanced sorting ability through the proprietary solid state generator control. The genset is capable of producing enough power to operate up to a 1.4 m (4'7") diameter magnet. The optional solid state genset would be placed in the upper frame for ease of maintenance without obstructing other machine components.

With the operator friendly material sorting control enables the machine operator to turn the magnet current on and off at quick intervals without initiating the actual “drop” or “reverse current” cycle of the magnet which completely and quickly cleans the material off of the magnet during normal production handling.

This proprietary generator system is designed, sold and serviced by Caterpillar and Cat dealers worldwide.

Attachment Solutions for Industrial and Recycling Applications

When productivity, reliability and stability are important, Cat attachments are the perfect solution.

Productive and Perfectly Matched

Loading and unloading is foundational to your productivity. Grapples 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 MH3026 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. 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 (0.79 to 1.30 yd^3). Several shell choices allow further customization of your grapple to the specific material you work with.

NEW! Grapples can further reduce fuel consumption. They feature reduced weight and improved cycle times. Castings in place of welded structures in high stress areas increase the durability of your equipment.

Waste Handling Grapples

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

Get the Most from Your Machine

You can easily expand all the possibilities the MH3026 offers by utilizing a straight stick linkage and combining it with any of the variety of Cat attachments for excavators. In this case, a quick coupler will bring the ability to quickly change attachments.

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.

Safety
Your Safety Is NOT Optional

Embedded Features

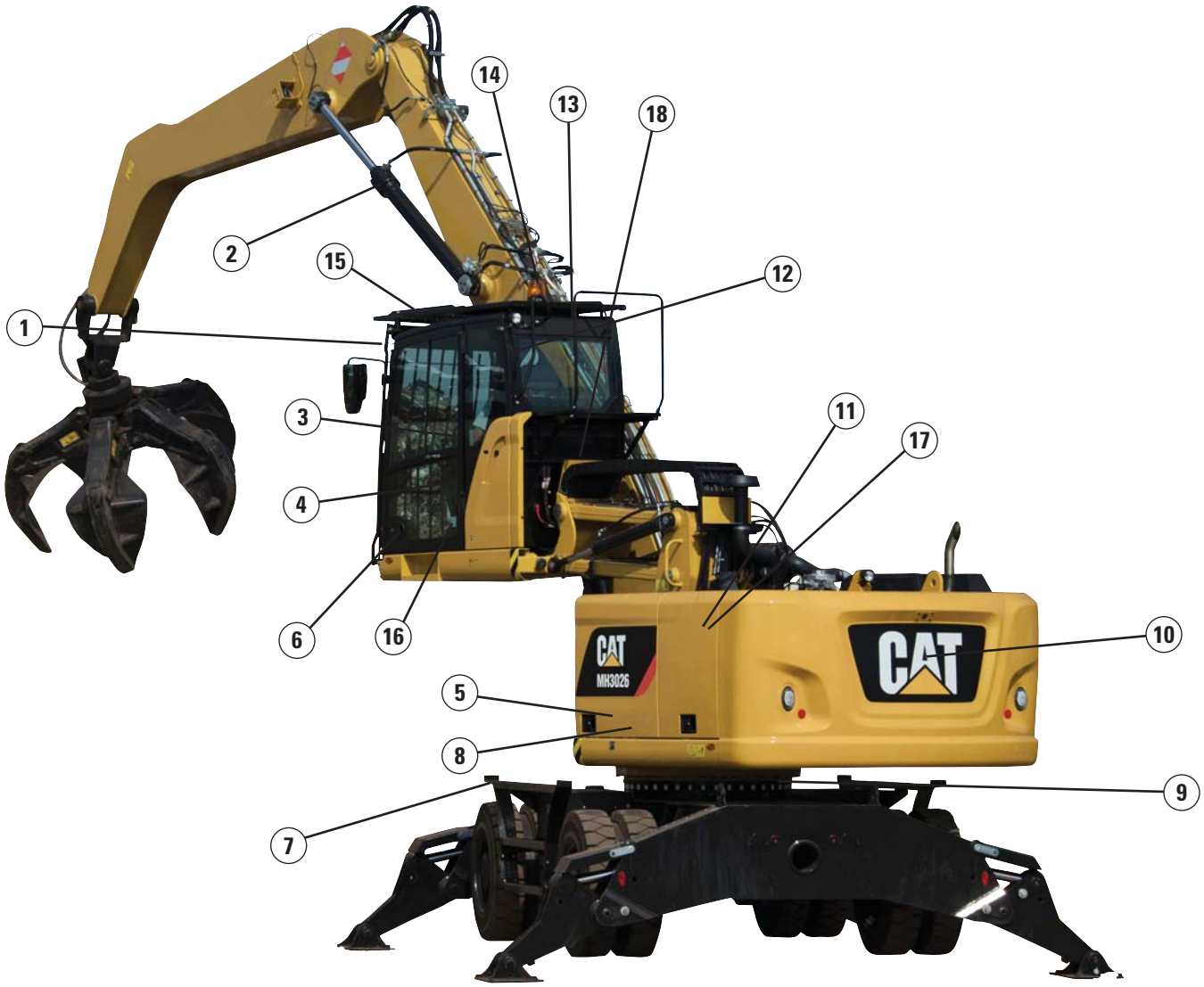
Smart embedded devices help enforce safe behavior:

- 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
- Secondary shut off switch and battery disconnect switch
- Travel alarm
- Lowering check valves
- Quick coupler control switch, ISO 13031 compliant

Cab Ingress

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

- Three long access steps, aligned with the cab entry
- Additional step integrated into the skirt, directly below the cab door
- Anti-skid plates on all walkways and steps reducing slipping hazards
- Tiltable console to make sure the way in and out is free of obstacles
- **NEW!** Direct access to the cab when it is not aligned with the chassis through optional steps on the front and rear of the undercarriage.



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 disconnect switch*
9) *Swing and implement electronic lock*
10) *Adjustable travel alarm*
11) *All doors equipped with gas strut cylinders*
12) *Emergency hammer and exit*
13) *Sound proofing*
14) *Beacon available*
15) *TOPS cab and top/front guards compatibility*
16) *Safety lever to lower the cab, either from the ground or directly from the cab*
17) *Foldable service platform*
18) *Advanced Cab Filtration System (optional)*

Safety Options for Specific Applications

- **Impact Resistant One-Piece Windshield and skylight**, 10 mm (0.4") thick, fulfills EN356 P5A standards.
- **High Impact Resistant fixed Windshield (two-parts) and skylight**, 26 mm (1") thick, fulfills EN356 P8B standards.
- **Advanced Cab Filtration System** – A cab filtration package reduces dust entry and air contamination. It includes:
  - an integrated air pre-cleaner, which also extends filters life
  - a fresh air filtration system with H13 and ABEK1 Hg filters against odor and gas
  - a recirculation filtration system, with a H13 filter

MH3026 Wheel Material Handler Specifications

Engine

Engine Model	Cat C7.1 ACERT [1]	
Ratings	1,700 rpm	
Engine Gross Power (Maximum)		
ISO 14396	129.4 kW	174 hp
ISO 14396 (metric)		176 hp
Net Power (Rated) [2]		
ISO 9249/SAE J1349	126 kW	169 hp
ISO 9249/SAE J1349 (metric)		171 hp
80/1269/EEC	126 kW	169 hp
Net Power (Maximum)		
ISO 9249/SAE J1349	126 kW	169 hp
ISO 9249/SAE J1349 (metric)		171 hp
80/1269/EEC	126 kW	169 hp
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 L	427.8 in^3
Maximum Torque at 1,400 rpm	830 N·m	612.2 lbf ft
Number of Cylinders	6	

[1] Meets Tier 4 Final emission standards.

[2] Rated speed 1,550 rpm. Constant power from 1,500-1,550 rpm.

- Net power advertised is the power available at the flywheel when engine is equipped with air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- No derating required up to 3000 m (9,842 ft) altitude. Automatic derating occurs after 3000 m (9,842 ft).

Transmission

Forward/Reverse		
1st Gear	8.0 km/h	5 mph
2nd Gear	25.0 km/h	15.5 mph
Creeper Speed		
1st Gear	3.0 km/h	1.9 mph
2nd Gear	8.0 km/h	5 mph
Drawbar Pull	125 kN	28,101 lbf
Maximum Gradeability at 25 000 kg (55,120 lb)	60.0%	

Swing Mechanism

Maximum Swing Speed	8.8 rpm	
Maximum Swing Torque	59.6 kN·m	44,104 lbf-ft

Undercarriage

Axle Ground Clearance*	325 mm	12.8 in
Maximum Steering Angle	35.0°	
Oscillation Axle Angle	±5.0°	
Minimum Turning Radius**		
Outside of Tire	6800 mm	22.3 ft
End of VA Boom	7800 mm	25.9 ft
End of One-Piece Boom	9300 mm	30.5 ft
End of MH Boom (with 5.9 m/19'4" drop nose stick)	9800 mm	32.1 ft

*Dimension for standard and MH undercarriage. For machines fitted with 11.00-20 pneumatic tires, add 35 mm (1.4 in).

**Boom and sticks in travel position.

Service Refill Capacities

Fuel Tank (total capacity)	420 L	110 gal
Diesel Exhaust Fluid Tank	34.5 L	9.1 gal
Cooling System	46.9 L	12.4 gal
Engine Crankcase	18.5 L	4.9 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

MH3026 Wheel Material Handler Specifications

Weights

Operating Weights*	25 225 kg- 26 150 kg	55,612 lb- 57,651 lb
MH Boom (6.8 m/22'4")		
MH Undercarriage 2.75 m (9'0"), 4800 mm (15'9") Straight Stick	25 690 kg	56,637 lb
MH Undercarriage 2.75 m (9'0"), 4900 mm (16'1") Drop Nose Stick	25 225 kg	55,612 lb
MH Undercarriage 2.75 m (9'0"), 5500 mm (18'1") Drop Nose Stick	25 345 kg	55,876 lb
MH Undercarriage 2.75 m (9'0"), 5900 mm (19'4") Drop Nose Stick	25 275 kg	55,722 lb
MH Undercarriage 2.99 m (9'10"), 4800 mm (15'9") Straight Stick	26 150 kg	57,651 lb
MH Undercarriage 2.99 m (9'10"), 5900 mm (19'4") Drop Nose Stick	25 770 kg	56,813 lb
Standard Undercarriage**, 4800 mm (15'9") Straight Stick	25 040 kg	55,204 lb
One-Piece Boom		
Standard Undercarriage**, 2900 mm (9'6") Stick	24 315 kg	53,605 lb
VA Boom		
Standard Undercarriage**, 2900 mm (9'6") Stick	24 880 kg	54,851 lb
Sticks***		
Digging (2500 mm/8'2")	1005 kg	2,216 lb
Digging (2900 mm/9'6")	1085 kg	2,392 lb
Straight (4800 mm/15'9")	1420 kg	3,131 lb
Drop Nose (4900 mm/16'1")	955 kg	2,105 lb
Drop Nose (5500 mm/18'1")	1075 kg	2,370 lb
Drop Nose (5900 mm/19'4")	1115 kg	2,458 lb
MH Push Blade (2.75 m/9'0")	705 kg	1,554 lb
MH Push Blade (2.99 m/9'10")	745 kg	1,642 lb
Dozer Blade	850 kg	1,874 lb
Solid Tires (delta vs. standard tires)	950 kg	2,094 lb
Counterweight	5200 kg	11,460 lb

*Operating weight includes solid tires, 5200 kg (11,460 lb) counterweight, full fuel tank, operator, four outriggers undercarriage, attachment (1400 kg/3,086 lb). Weight varies depending on configuration.

**Standard undercarriage with blade, one set of outriggers and dual pneumatic tires.

***Includes cylinder, bucket linkage, pins and standard hydraulic lines.

Hydraulic System

Tank Capacity	200 L	52.8 gal
System	365 L	96.4 gal

Hydraulic System: Maximum Pressure

Implement Circuit		
Normal	350 bar	5,076 psi
Heavy Lift	370 bar	5,366 psi
Travel Circuit	350 bar	5,076 psi
Auxiliary Circuit		
High Pressure	350 bar	5,076 psi
Medium Pressure	210 bar	3,046 psi
Swing Mechanism	340 bar	4,931.3 psi

Hydraulic System: Maximum Flow

Implement/Travel Circuit	340 L/min	78 gal/min
Auxiliary Circuit		
High Pressure	250 L/min	66 gal/min
Medium Pressure	49 L/min	12.9 gal/min
Swing Mechanism	118 L/min	31.2 gal/min

Tires

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

Push Blade

Blade Type	Radial	
Blade Height	920 mm	3'0"
Width	2750 mm/ 2990 mm	9'0"/ 9'10"

MH3026 Wheel Material Handler Specifications

Emissions and Safety

Engine Emissions	Tier 4 Final	
Diesel Exhaust Fluid	Must meet ISO 22241	
Fluids (optional)		
Cat Bio HYDO Advanced	Readily biodegradable	
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^2	<8.2 ft/s^2
Maximum Whole Body		
ISO/TR 25398:2006	<0.5 m/s^2	<1.6 ft/s^2
Seat Transmissibility Factor		
ISO 7096:2000-spectral class EM5	<0.7	

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.15 kg (2.54 lb) of refrigerant which has a CO_2 equivalent of 1.645 metric tonnes (3,626.6 lb).

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

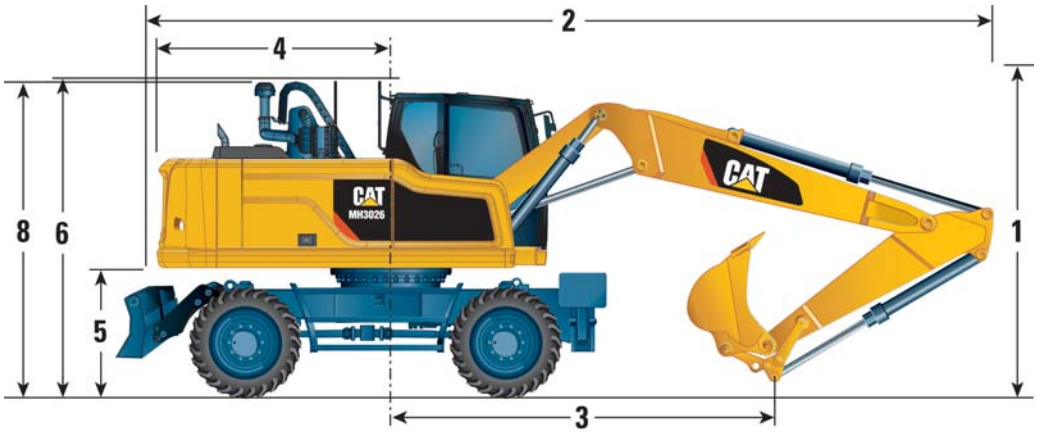
Operator Sound	
ISO 6396:2008	71 dB(A)
Spectator Sound	
ISO 6395:2008	99 dB(A)*

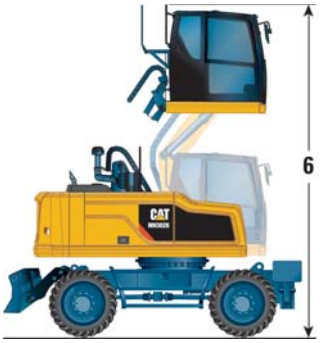
*Noise level is for a machine without the generator.

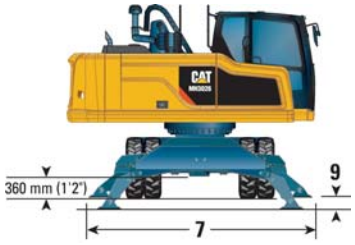
- Operator Sound – The operator sound level is measured according to the procedures specified in ISO 6396:2008, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound – The labeled spectator sound power level is measured according to the test procedures and conditions specified in 2000/14/EC as amended by 2005/88/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*

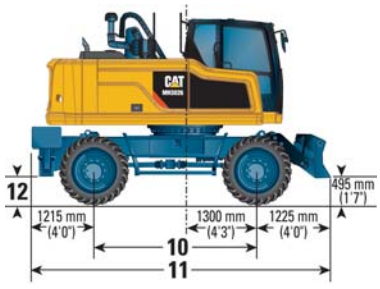
All dimensions are approximate.







Undercarriage with 1 set of outriggers and dozer blade



		Variable Adjustable Boom		One-Piece Boom	
Boom Length	mm (ft/in)	**5490 (18'0")**		**5650 (18'6")**	
Stick Type		**Straight**	**Straight**	**Straight**	**Straight**
Stick Length	mm (ft/in)	**2500 (8'2")**	**2900 (9'6")**	**2500 (8'2")**	**2900 (9'6")**
1 Shipping Height with Falling Object Guard (highest point between boom and cab)	mm (ft/in)	3375 (11'1")			
2 Shipping Length	mm (ft/in)	9555 (31'4")	9540 (31'4")	9710 (31'10")	9720 (31'11")
3 Support Point	mm (ft/in)	3755 (12'4")	3525 (11'7")	3720 (12'2")	3445 (11'4")
4 Tail Swing Radius	mm (ft/in)	2825 (9'3")			
5 Counterweight Clearance	mm (ft/in)	1310 (4'4")			
6 Cab Height with Hydraulic Cab Riser					
Cab Lowered – No Falling Object Guard	mm (ft/in)	3245 (10'8")			
Cab Lowered – with Falling Object Guard	mm (ft/in)	3375 (11'1")			
Cab Raised – with Falling Object Guard	mm (ft/in)	5775 (18'11")			
Cab Raised – No Falling Object Guard	mm (ft/in)	5645 (18'6")			
7 Overall Machine Width					
Width with Outriggers on Ground	mm (ft/in)	3930 (12'11")			
Width Over Tires with Outriggers Up	mm (ft/in)	2750 (9'0")			
Width with Blade	mm (ft/in)	2750 (9'0")			
8 Height of Tray Group Flex	mm (ft/in)	3360 (11'0")			
9 Maximum Outriggers Depth	mm (ft/in)	120 (0'5")			
10 Wheel Base	mm (ft/in)	2750 (9'0")			
11 Undercarriage Length					
With 1 Set of Outriggers and Dozer Blade Raised	mm (ft/in)	5190 (17'0")			
12 Undercarriage Clearance	mm (ft/in)	325 (1'1")			

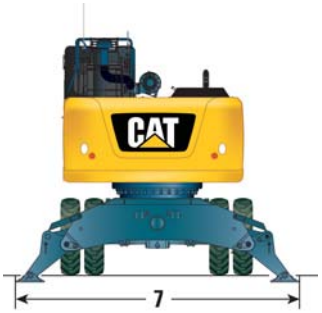
*Standard undercarriage with dozer blade and 1 set of outriggers and dual pneumatic tires.

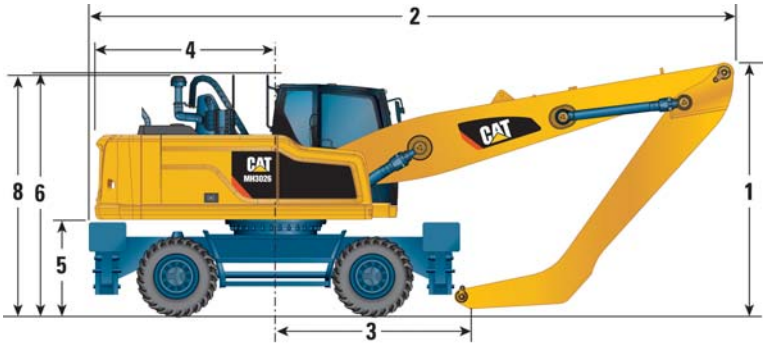
Note: Values are with 11.00-20 pneumatic tires. For machines fitted with solid tires, all vertical dimensions have to be reduced by 35 mm (1.4 in). For dimension 3 add 35 mm (1.4 in).

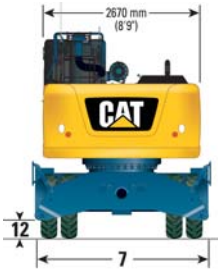
MH3026 Wheel Material Handler Specifications

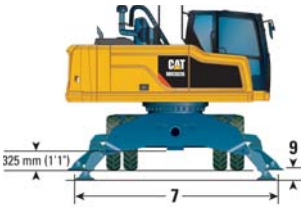
Dimensions – With MH Undercarriage

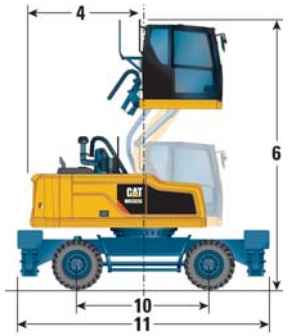
All dimensions are approximate.

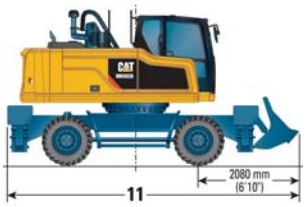












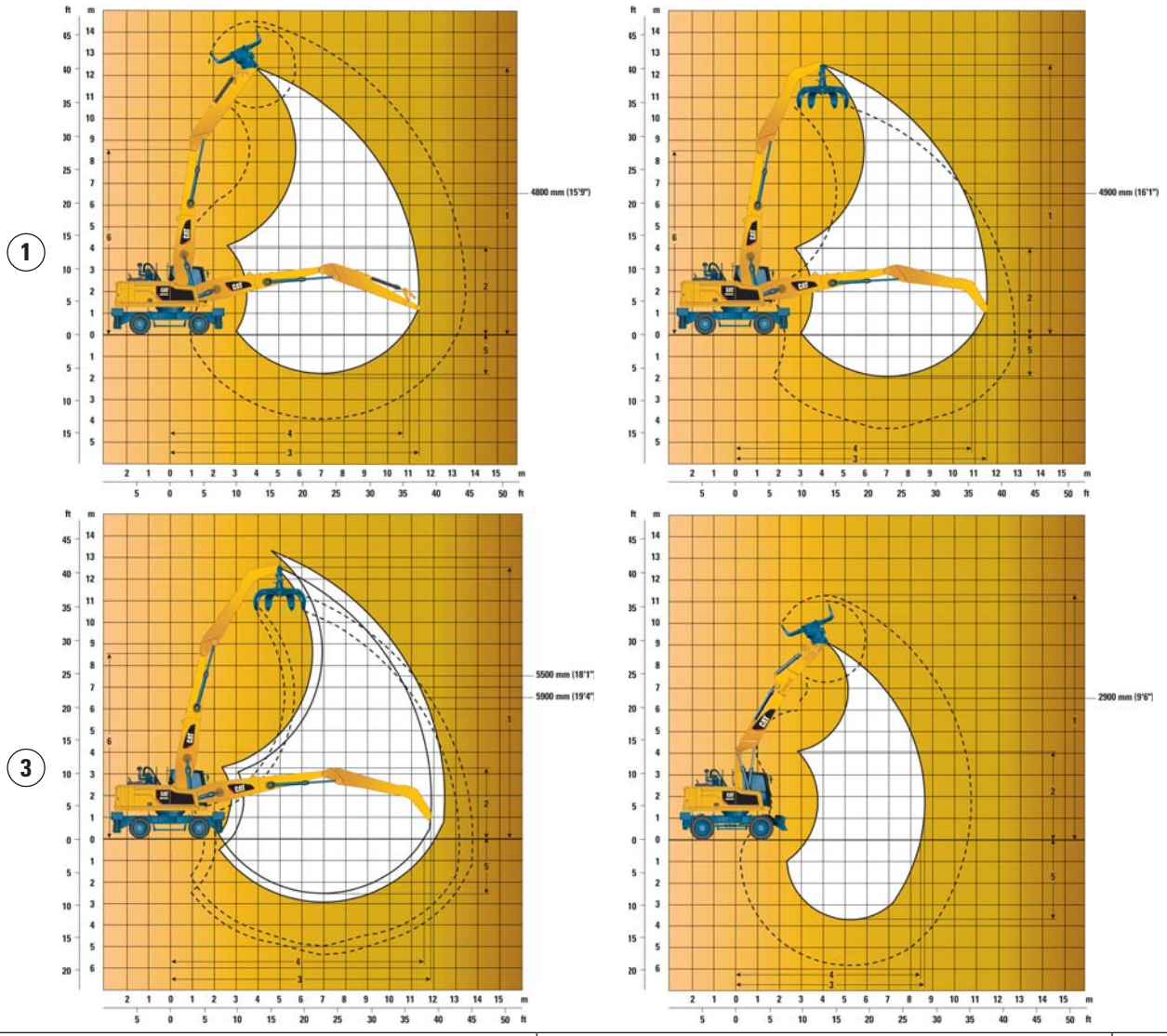
		MH Undercarriage 2.75 m (9'0")				MH Undercarriage 2.99 m (9'10")			
Boom Type/Length		MH Boom/6800 mm (22'4")				MH Boom/6800 mm (22'4")			
Stick Type		Straight	Drop Nose	Drop Nose	Drop Nose	Straight	Drop Nose	Drop Nose	Drop Nose
Stick Length	mm (ft/in)	**4800 (15'9")**	**4900 (16'1")**	**5500 (18'1")**	**5900 (19'4")**	**4800 (15'9")**	**4900 (16'1")**	**5500 (18'1")**	**5900 (19'4")**
1 Shipping Height with Falling Object Guard (highest point between boom and cab)	mm (ft/in)	3340 (10'11")	3600 (11'10")	3400 (11'2")	5285 (17'4")	3340 (10'11")	3600 (11'10")	3400 (11'2")	5285 (17'4")
2 Shipping Length	mm (ft/in)	10 090 (33'1")	10 040 (32'11")	10 080 (33'1")	9520 (31'3")	10 090 (33'1")	10 040 (32'11")	10 080 (33'1")	9520 (31'3")
3 Support Point	mm (ft/in)	3085 (10'1")	3225 (10'7")	2430 (8'0")	3060 (10'0")	3085 (10'1")	3225 (10'7")	2430 (8'0")	3060 (10'0")
4 Tail Swing Radius	mm (ft/in)	2825 (9'3")							
5 Counterweight Clearance	mm (ft/in)	1275 (4'2")							
6 Cab Height with Hydraulic Cab Riser									
Cab Lowered – No Falling Object Guard	mm (ft/in)	3210 (10'6")							
Cab Lowered – with Falling Object Guard	mm (ft/in)	3340 (10'11")							
Cab Raised – with Falling Object Guard	mm (ft/in)	5740 (18'10")							
Cab Raised – No Falling Object Guard	mm (ft/in)	5610 (18'5")							
7 Overall Machine Width									
Width with Outriggers on Ground	mm (ft/in)	4080 (13'5")				4360 (14'4")			
Width with Outriggers Up	mm (ft/in)	2740 (9'0")				2990 (9'10")			
Width with the Special Front Push Blade	mm (ft/in)	2750 (9'0")				2990 (9'10")			
8 Height of Tray Group Flex	mm (ft/in)	3325 (10'11")							
9 Maximum Outriggers Depth	mm (ft/in)	120 (0'5")				90 (0'4")			
10 Wheel Base	mm (ft/in)	2750 (9'0")							
11 Undercarriage Length	mm (ft/in)	5250 (17'3")							
With MH Undercarriage Front Push Blade	mm (ft/in)	6080 (19'11")							
12 Undercarriage Clearance	mm (ft/in)	245 (0'10")							

When the shipping height is over 4 m (13'0"), the stick must be removed for transportation.

Note: Values are with solid tires. For machine fitted with 11.00-20 pneumatic tires and MH Undercarriage all vertical dimensions have to be increased by 35 mm (1.4"). For dimension 9 reduce by 35 mm (1.4").

Working Ranges

MH undercarriage figures calculated with solid tires.



		1	2	3		4
		MH Undercarriage MH2.75 m (9'0") and MH2.99 m (9'10")				Standard Undercarriage
Boom Type/Length		MH Boom/6800 mm (22'4")				Variable Adjustable Boom
Stick Length	mm (ft/in)	**4800 (15'9")**	**4900 (16'1")**	**5500 (18'1")**	**5900 (19'4")**	**2900 (9'6")**
Stick Type		**Straight**	**Drop Nose**	**Drop Nose**	**Drop Nose**	**Straight**
1 Maximum Height	mm (ft/in)	12 425 (40'9")	12 505 (41'0")	12 605 (41'4")	13 300 (43'8")	9220 (30'3")
2 Minimum Dump Height	mm (ft/in)	4120 (13'6")	4025 (13'2")	3290 (10'10")	3090 (10'2")	4135 (13'7")
3 Maximum Reach	mm (ft/in)	11 435 (37'6")	11 530 (37'10")	11 910 (39'1")	12 485 (41'0")	8675 (28'6")
4 Maximum Reach at Ground Level	mm (ft/in)	10 720 (35'2")	10 850 (35'7")	11 570 (38'0")	12 050 (39'6")	8470 (27'9")
5 Maximum Depth	mm (ft/in)	1825 (6'0")	1920 (6'4")	2525 (8'3")	2925 (9'7")	4965 (16'3")
6 Boom Pin Height	mm (ft/in)	8620 (28'3")				NA

All dimensions refer to stick nose pin.

MH3026 Wheel Material Handler Specifications

Work Tool Offering Guide*

Counterweight		5.2 mt (11,460 lb)								5.2 mt (11,460 lb)								5.2 mt (11,460 lb)							
Undercarriage		Standard (2.75 m/9'0") Blade and Outriggers Lowered								MH (2.75 m/9'0") 2 Sets Outriggers Lowered								MH (2.99 m/9'10") 2 Sets Outriggers Lowered							
Boom Type		One-Piece Boom		VA Boom		MH Boom (6.8 m/22'4")				One-Piece Boom		VA Boom		MH Boom (6.8 m/22'4")				One-Piece Boom		VA Boom		MH Boom (6.8 m/22'4")			
Stick Length		2500 mm (8'2")	2900 mm (9'6")	2500 mm (8'2")	2900 mm (9'6")	4800 mm (15'9")(1)	4900 mm (16'1")(2)	5500 mm (18'1")(2)	5900 mm (19'4")(2)	2500 mm (8'2")	2900 mm (9'6")	2500 mm (8'2")	2900 mm (9'6")	4800 mm (15'9")(1)	4900 mm (16'1")(2)	5500 mm (18'1")(2)	5900 mm (19'4")(2)	2500 mm (8'2")	2900 mm (9'6")	2500 mm (8'2")	2900 mm (9'6")	4800 mm (15'9")(1)	4900 mm (16'1")(2)	5500 mm (18'1")(2)	5900 mm (19'4")(2)
Material Handling Work Tools																									
Demolition and Sorting Grapple	G315B-D/R	Pin-on/coupler	Pin-on	Pin-on		Pin-on / Front only				Pin-on	Pin-on	Pin-on		Pin-on				Pin-on/coupler	Pin-on	Pin-on		Pin-on			
	G315B-WH 800 L (1.05 yd³)	Match	Match	Match	Match	Pin-on				Match	Match	Match	Match	Pin-on				Match	Match	Match	Match	Pin-on			
	G315B-WH 1100 L (1.44 yd³)	Pin-on		Pin-on						Pin-on		Pin-on		Pin-on				Pin-on		Pin-on		Pin-on			
Orange Peel Grapple Horizontal Cylinders (4 or 5 Tines)	GSH15B 400 L (0.52 yd³)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH15B 500 L (0.65 yd³)	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH15B 600 L (0.78 yd³)	1.8	1.8	1.8	1.8	1.2	1.2	1.2		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH15B 800 L (1.05 yd³)	1.8	1.2	1.8	1.2		1.2			1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.2	1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.2
	GSH420/GSH520 500 L (0.65 yd³)	1.8	1.8	1.8	1.8	1.2	1.8	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH420/GSH520 600 L (0.78 yd³)	1.8	1.8	1.8	1.8	1.2	1.8	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	GSH420/GSH520 750 L (0.98 yd³)	1.8	1.2	1.8	1.2		1.2	1.2		1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.2	1.8	1.2	1.8	1.8	1.8	1.8
Material Density		1.2 [T/m³] (2,000 lb/yd³) (less dense material)/1.8 [T/m³] (3,000 lb/yd³) (standard material)																							
Demolition Work Tools																									
Hydraulic Hammer	B20	Match	Pin-on	Match	Pin-on					Match	Pin-on	Match	Pin-on					Match	Pin-on	Match	Pin-on				
	H115Es	Match	Match	Match	Match					Match	Match	Match	Match					Match	Match	Match	Match				
	H120Es	Match	Match	Match	Match					Match	Match	Match	Match					Match	Match	Match	Match				
	H130Es	Match	Pin-on	Match	Pin-on					Match	Pin-on	Match	Pin-on					Match	Pin-on	Match	Pin-on				
Multi-Processor	MP318 CC Jaw	Pin-on	Pin-on	Pin-on						Pin-on	Pin-on	Pin-on						Pin-on	Pin-on	Pin-on					
	MP318 D Jaw	Pin-on	Pin-on	Pin-on						Pin-on	Pin-on	Pin-on						Pin-on	Pin-on	Pin-on					
	MP318 P Jaw	Pin-on		Pin-on						Pin-on		Pin-on						Pin-on		Pin-on					
	MP318 U Jaw	Pin-on		Pin-on						Pin-on		Pin-on						Pin-on		Pin-on					
	MP318 S Jaw	Pin-on	Pin-on	Pin-on	Pin-on					Pin-on	Pin-on	Pin-on	Pin-on					Pin-on	Pin-on	Pin-on	Pin-on				
Pulverizer	P215	Match	Pin-on	Pin-on/coupler	Pin-on					Match	Pin-on	Pin-on/coupler	Pin-on					Match	Pin-on	Pin-on/coupler	Pin-on				
Scrap and Demolition Shear	S320B	Pin-on		Pin-on						Pin-on		Pin-on						Pin-on		Pin-on					
	S325B	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount
	S340B			Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount	Boom mount
Compactor Plate	CVP75	Match	Match	Match	Match					Match	Match	Match	Match					Match	Match	Match	Match				
Pin Grabber Coupler	Cat PG	These couplers are available for the MH3026 (linkage stick).																							

(1) Straight Stick
(2) Drop Nose Stick

- Work tool is a match
- Pin-on or dedicated coupler
- Pin-on only
- Boom mount
- Over the front only
- Not recommended

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

Demolition and Sorting Grapple: D – Demolition shells; R – Recycling shells; WH – Waste Handling

Lift Capacities

All values are in kg, bucket cylinder and linkage installed, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

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

Undercarriages
MH (2.99 m)

Boom
6.8 m MH

Stick
4.8 m Straight

		4500 mm		6000 mm		7500 mm		9000 mm		10 500 mm				
	Undercarriage configuration													mm
12 000 mm	MH (2.99 m) – stabilizers raised – solid tires	*8800	7900									*7750	6700	4970
	MH (2.99 m) – stabilizers lowered – solid tires	*8800	*8800									*7750	*7750	
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires			6800	5150							4750	3550	7350
	MH (2.99 m) – stabilizers lowered – solid tires			*8850	*8850							*6150	*6150	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires			6950	5300	4700	3550					3450	2550	8860
	MH (2.99 m) – stabilizers lowered – solid tires			*9000	*9000	*7700	7350					*5550	5450	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires			6900	5250	4700	3550	3400	2500			2800	2050	9910
	MH (2.99 m) – stabilizers lowered – solid tires			*9050	*9050	*7700	7350	6600	5350			*5200	4500	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires			6700	5050	4600	3450	3350	2500	2500	1800	2450	1750	10 640
	MH (2.99 m) – stabilizers lowered – solid tires			*9400	*9400	*7850	7250	6600	5300	5050	4050	4900	3950	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires	10 200	7550	6350	4750	4450	3300	3250	2400	2500	1750	2200	1550	11 120
	MH (2.99 m) – stabilizers lowered – solid tires	*12 850	*12 850	*9900	*9900	*8050	7050	6450	5200	5000	4050	4550	3650	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires	9300	6750	5950	4400	4200	3100	3150	2250	2400	1700	2100	1450	11 380
	MH (2.99 m) – stabilizers lowered – solid tires	*14 100	*14 100	*10 400	9800	*8200	6800	6350	5100	4950	3950	4300	3450	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires	8450	5950	5550	4000	4000	2900	3000	2150	2350	1650	2050	1400	11 430
	MH (2.99 m) – stabilizers lowered – solid tires	*14 450	*14 450	*10 500	9300	*8150	6550	6200	4950	4850	3900	*4000	3400	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	7950	5500	5250	3700	3800	2700	2900	2050	2300	1600			
	MH (2.99 m) – stabilizers lowered – solid tires	*9550	*9550	*9900	8950	*7650	6350	*6000	4850	*4450	3850			
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires			5100	3550	3700	2600							
	MH (2.99 m) – stabilizers lowered – solid tires			*8450	*8450	*6600	6250							

Lift Capacities

All values are in lb, bucket cylinder and linkage installed, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (11,460 lb), heavy lift on.

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

Undercarriages
MH (9'10")

Boom
22'4" MH

Stick
15'9" Straight

		15 ft		20 ft		25 ft		30 ft		34 ft				
	Undercarriage configuration													ft
39 ft	MH (9'10") – stabilizers raised – solid tires	*19,400	*17,416									*17,086	*14,771	16
	MH (9'10") – stabilizers lowered – solid tires	*19,400	*19,400									*17,086	*17,086	
34 ft	MH (9'10") – stabilizers raised – solid tires			*14,991	*11,354							*10,472	*7,826	24
	MH (9'10") – stabilizers lowered – solid tires			*19,511	*19,511							*13,558	*13,558	
30 ft	MH (9'10") – stabilizers raised – solid tires			*15,322	*11,684	*10,362	*7,826					*7,606	*5,622	29
	MH (9'10") – stabilizers lowered – solid tires			*19,841	*19,841	*16,975	*16,204					*12,236	*12,015	
25 ft	MH (9'10") – stabilizers raised – solid tires			*15,212	*11,574	*10,362	*7,826	*7,496	*5,512			*6,173	*4,519	33
	MH (9'10") – stabilizers lowered – solid tires			*19,952	*19,952	*16,975	*16,204	*14,550	*11,795			*11,464	*9,921	
20 ft	MH (9'10") – stabilizers raised – solid tires			*14,771	*11,133	*10,141	*7,606	*7,385	*5,512	*5,512	*3,968	*5,401	*3,858	35
	MH (9'10") – stabilizers lowered – solid tires			*20,723	*20,723	*17,306	*15,983	*14,550	*11,684	*11,133	*8,929	*10,803	*8,708	
15 ft	MH (9'10") – stabilizers raised – solid tires	*22,487	*16,645	*13,999	*10,472	*9,810	*7,275	*7,165	*5,291	*5,512	*3,858	*4,850	*3,417	36
	MH (9'10") – stabilizers lowered – solid tires	*28,329	*28,329	*21,826	*21,826	*17,747	*15,542	*14,220	*11,464	*11,023	*8,929	*10,031	*8,047	
10 ft	MH (9'10") – stabilizers raised – solid tires	*20,503	*14,881	*13,117	*9,700	*9,259	*6,834	*6,944	*4,960	*5,291	*3,748	*4,630	*3,197	37
	MH (9'10") – stabilizers lowered – solid tires	*31,085	*31,085	*22,928	*21,605	*18,078	*14,991	*13,999	*11,243	*10,913	*8,708	*9,480	*7,606	
5 ft	MH (9'10") – stabilizers raised – solid tires	*18,629	*13,117	*12,236	*8,818	*8,818	*6,393	*6,614	*4,740	*5,181	*3,638	*4,519	*3,086	37
	MH (9'10") – stabilizers lowered – solid tires	*31,856	*31,856	*23,148	*20,503	*17,967	*14,440	*13,669	*10,913	*10,692	*8,598	*8,818	*7,496	
0 ft	MH (9'10") – stabilizers raised – solid tires	*17,527	*12,125	*11,574	*8,157	*8,377	*5,952	*6,393	*4,519	*5,071	*3,527			
	MH (9'10") – stabilizers lowered – solid tires	*21,054	*21,054	*21,826	*19,731	*16,865	*13,999	*13,228	*10,692	*9,810	*8,488			
–5 ft	MH (9'10") – stabilizers raised – solid tires			*11,243	*7,826	*8,157	*5,732							
	MH (9'10") – stabilizers lowered – solid tires			*18,629	*18,629	*14,550	*13,779							

*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.

MH3026 Wheel Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

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

Undercarriages
MH (2.75 m)

Boom
6.8 m MH

Stick
4.9 m MH (drop nose)

		4500 mm		6000 mm		7500 mm		9000 mm		10 500 mm				
	Undercarriage configuration													mm
12 000 mm	MH (2.75 m) – stabilizers raised – solid tires											*7800	6550	5190
	MH (2.75 m) – stabilizers lowered – solid tires											*7800	*7800	
10 500 mm	MH (2.75 m) – stabilizers raised – solid tires			7100	5500	4900	3750					4900	3750	7500
	MH (2.75 m) – stabilizers lowered – solid tires			*9150	*9150	*6300	*6300					*6300	*6300	
9000 mm	MH (2.75 m) – stabilizers raised – solid tires			7200	5600	5050	3900					3700	2850	8980
	MH (2.75 m) – stabilizers lowered – solid tires			*9250	*9250	*8050	7100					*5700	5250	
7500 mm	MH (2.75 m) – stabilizers raised – solid tires			7150	5550	5050	3900	3750	2850			3100	2350	10 020
	MH (2.75 m) – stabilizers lowered – solid tires			*9300	*9300	*8000	7100	6950	5250			*5400	4400	
6000 mm	MH (2.75 m) – stabilizers raised – solid tires			7000	5400	4950	3800	3700	2800	2850	2150	2750	2050	10 740
	MH (2.75 m) – stabilizers lowered – solid tires			*9700	*9700	*8200	7000	6900	5250	5350	4050	5150	3900	
4500 mm	MH (2.75 m) – stabilizers raised – solid tires	10 500	7850	6700	5100	4800	3650	3600	2750	2850	2100	2550	1900	11 220
	MH (2.75 m) – stabilizers lowered – solid tires	*13 100	*13 100	*10 250	9700	*8400	6800	6800	5150	5350	4050	4800	3650	
3000 mm	MH (2.75 m) – stabilizers raised – solid tires	9700	7150	6350	4750	4550	3450	3500	2650	2750	2050	2400	1800	11 470
	MH (2.75 m) – stabilizers lowered – solid tires	*14 450	*14 450	*10 800	9300	*8600	6600	6650	5000	5250	4000	4600	3500	
1500 mm	MH (2.75 m) – stabilizers raised – solid tires	8950	6400	5950	4400	4350	3250	3400	2500	2700	2000	2350	1750	11 520
	MH (2.75 m) – stabilizers lowered – solid tires	*14 950	14 100	*10 950	8850	*8600	6350	6550	4900	5200	3900	*4400	3400	
0 mm	MH (2.75 m) – stabilizers raised – solid tires	8450	6000	5650	4150	4200	3100	3300	2400	2650	1950			
	MH (2.75 m) – stabilizers lowered – solid tires	*10 200	*10 200	*10 450	8550	*8150	6200	6400	4800	*4950	3850			
–1500 mm	MH (2.75 m) – stabilizers raised – solid tires			5500	4000	4100	3000							
	MH (2.75 m) – stabilizers lowered – solid tires			*9050	8350	*7150	6050							

Lift Capacities

All values are in lb, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (11,460 lb), heavy lift on.

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

Undercarriages
MH (9'0")

Boom
22'4" MH

Stick
16'1" MH (drop nose)

		15 ft		20 ft		25 ft		30 ft		34 ft				
	Undercarriage configuration													ft
39 ft	MH (9'0") – stabilizers raised – solid tires											*17,196	*14,440	17
	MH (9'0") – stabilizers lowered – solid tires											*17,196	*17,196	
34 ft	MH (9'0") – stabilizers raised – solid tires			*15,653	*12,125	*10,803	*8,267					*10,803	*8,267	25
	MH (9'0") – stabilizers lowered – solid tires			*20,172	*20,172	*13,889	*13,889					*13,889	*13,889	
30 ft	MH (9'0") – stabilizers raised – solid tires			*15,873	*12,346	*11,133	*8,598					*8,157	*6,283	29
	MH (9'0") – stabilizers lowered – solid tires			*20,393	*20,393	*17,747	*15,653					*12,566	*11,574	
25 ft	MH (9'0") – stabilizers raised – solid tires			*15,763	*12,236	*11,133	*8,598	*8,267	*6,283			*6,834	*5,181	33
	MH (9'0") – stabilizers lowered – solid tires			*20,503	*20,503	*17,637	*15,653	*15,322	*11,574			*11,905	*9,700	
20 ft	MH (9'0") – stabilizers raised – solid tires			*15,432	*11,905	*10,913	*8,377	*8,157	*6,173	*6,283	*4,740	*6,063	*4,519	35
	MH (9'0") – stabilizers lowered – solid tires			*21,385	*21,385	*18,078	*15,432	*15,212	*11,574	*11,795	*8,929	*11,354	*8,598	
15 ft	MH (9'0") – stabilizers raised – solid tires	*23,148	*17,306	*14,771	*11,243	*10,582	*8,047	*7,937	*6,063	*6,283	*4,630	*5,622	*4,189	37
	MH (9'0") – stabilizers lowered – solid tires	*28,880	*28,880	*22,597	*21,385	*18,519	*14,991	*14,991	*11,354	*11,795	*8,929	*10,582	*8,047	
10 ft	MH (9'0") – stabilizers raised – solid tires	*21,385	*15,763	*13,999	*10,472	*10,031	*7,606	*7,716	*5,842	*6,063	*4,519	*5,291	*3,968	38
	MH (9'0") – stabilizers lowered – solid tires	*31,856	*31,856	*23,810	*20,503	*18,960	*14,550	*14,661	*11,023	*11,574	*8,818	*10,141	*7,716	
5 ft	MH (9'0") – stabilizers raised – solid tires	*19,731	*14,109	*13,117	*9,700	*9,590	*7,165	*7,496	*5,512	*5,952	*4,409	*5,181	*3,858	38
	MH (9'0") – stabilizers lowered – solid tires	*32,959	*31,085	*24,140	*19,511	*18,960	*13,999	*14,440	*10,803	*11,464	*8,598	*9,700	*7,496	
0 ft	MH (9'0") – stabilizers raised – solid tires	*18,629	*13,228	*12,456	*9,149	*9,259	*6,834	*7,275	*5,291	*5,842	*4,299			
	MH (9'0") – stabilizers lowered – solid tires	*22,487	*22,487	*23,038	*18,849	*17,967	*13,669	*14,109	*10,582	*10,913	*8,488			
–5 ft	MH (9'0") – stabilizers raised – solid tires			*12,125	*8,818	*9,039	*6,614							
	MH (9'0") – stabilizers lowered – solid tires			*19,952	*18,408	*15,763	*13,338							

*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, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

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

Undercarriages
MH (2.99 m)

Boom
6.8 m MH

Stick
5.5 m MH (drop nose)

	Undercarriage configuration	3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		10 500 mm				mm
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires							5050	3900					4450	3400	8080
	MH (2.99 m) – stabilizers lowered – solid tires							*6400	*6400					*5300	*5300	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires							5150	4000	3800	2900			3450	2600	9470
	MH (2.99 m) – stabilizers lowered – solid tires							*7700	*7700	*5950	5750			*4900	*4900	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires							5150	3950	3800	2900			2900	2200	10 460
	MH (2.99 m) – stabilizers lowered – solid tires							*7700	*7700	*6800	5750			*4700	4450	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires					7150	5500	5000	3850	3750	2850	2900	2150	2600	1950	11 150
	MH (2.99 m) – stabilizers lowered – solid tires					*9200	*9200	*7900	7650	*6850	5700	5400	4450	*4650	4000	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires					6850	5250	4850	3700	3650	2750	2850	2100	2400	1750	11 610
	MH (2.99 m) – stabilizers lowered – solid tires					*9800	*9800	*8150	7450	6850	5600	5350	4400	4550	3700	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires	20 100	13 850	10 000	7400	6450	4850	4600	3500	3500	2650	2750	2050	2250	1650	11 860
	MH (2.99 m) – stabilizers lowered – solid tires	*20 800	*20 800	*13 850	*13 850	*10 450	10 300	*8450	7200	6700	5450	5250	4300	4350	3550	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires	*6450	*6450	9100	6600	6000	4450	4400	3250	3350	2500	2700	1950	2200	1600	11 910
	MH (2.99 m) – stabilizers lowered – solid tires	*6450	*6450	*14 800	*14 800	*10 850	9800	*8550	6950	6550	5300	5200	4200	4300	3500	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	*4500	*4500	8500	6000	5650	4100	4200	3050	3250	2400	2600	1900			
	MH (2.99 m) – stabilizers lowered – solid tires	*4500	*4500	*13 950	*13 950	*10 650	9400	*8300	6700	6400	5150	5100	4150			
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires			8150	5700	5450	3900	4050	2950	3150	2300					
	MH (2.99 m) – stabilizers lowered – solid tires			*10 550	*10 550	*9600	9150	*7550	6550	*5900	5050					

Lift Capacities

All values are in lb, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (11,460 lb), heavy lift on.

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

Undercarriages
MH (9'10")

Boom
22'4" MH

Stick
18'1" MH (drop nose)

	Undercarriage configuration	10 ft		15 ft		20 ft		25 ft		30 ft		34 ft				ft
34 ft	MH (9'10") – stabilizers raised – solid tires							11,133	8,598					9,810	7,496	27
	MH (9'10") – stabilizers lowered – solid tires							14,109	14,109					11,684	11,684	
30 ft	MH (9'10") – stabilizers raised – solid tires							11,354	8,818	8,377	6,393			7,606	5,732	31
	MH (9'10") – stabilizers lowered – solid tires							16,975	16,975	13,117	12,676			10,803	10,803	
25 ft	MH (9'10") – stabilizers raised – solid tires							11,354	8,708	8,377	6,393			6,393	4,850	34
	MH (9'10") – stabilizers lowered – solid tires							16,975	16,975	14,991	12,676			10,362	9,810	
20 ft	MH (9'10") – stabilizers raised – solid tires					15,763	12,125	11,023	8,488	8,267	6,283	6,393	4,740	5,732	4,299	37
	MH (9'10") – stabilizers lowered – solid tires					20,282	20,282	17,416	16,865	15,102	12,566	11,905	9,810	10,251	8,818	
15 ft	MH (9'10") – stabilizers raised – solid tires					15,102	11,574	10,692	8,157	8,047	6,063	6,283	4,630	5,291	3,858	38
	MH (9'10") – stabilizers lowered – solid tires					21,605	21,605	17,967	16,424	15,102	12,346	11,795	9,700	10,031	8,157	
10 ft	MH (9'10") – stabilizers raised – solid tires	44,312	30,534	22,046	16,314	14,220	10,692	10,141	7,716	7,716	5,842	6,063	4,519	4,960	3,638	39
	MH (9'10") – stabilizers lowered – solid tires	45,856	45,856	30,534	30,534	23,038	22,707	18,629	15,873	14,771	12,015	11,574	9,480	9,590	7,826	
5 ft	MH (9'10") – stabilizers raised – solid tires	14,220	14,220	20,062	14,550	13,228	9,810	9,700	7,165	7,385	5,512	5,952	4,299	4,850	3,527	39
	MH (9'10") – stabilizers lowered – solid tires	14,220	14,220	32,628	32,628	23,920	21,605	18,849	15,322	14,440	11,684	11,464	9,259	9,480	7,716	
0 ft	MH (9'10") – stabilizers raised – solid tires	9,921	9,921	18,739	13,228	12,456	9,039	9,259	6,724	7,165	5,291	5,732	4,189			
	MH (9'10") – stabilizers lowered – solid tires	9,921	9,921	30,754	30,754	23,479	20,723	18,298	14,771	14,109	11,354	11,243	9,149			
–5 ft	MH (9'10") – stabilizers raised – solid tires			17,967	12,566	12,015	8,598	8,929	6,504	6,944	5,071					
	MH (9'10") – stabilizers lowered – solid tires			23,259	23,259	21,164	20,172	16,645	14,440	13,007	11,133					

*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.

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MH3026 Wheel Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (5200 kg), heavy lift on.

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

Undercarriages
MH (2.99 m)

Boom
6.8 m MH

Stick
5.9 m MH (drop nose)

	Undercarriage configuration	3000 mm		4500 mm		6000 mm		7500 mm		9000 mm		10 500 mm		12 000 mm				mm
12 000 mm	MH (2.99 m) – stabilizers raised – solid tires					7200	5550									5400	4150	7090
	MH (2.99 m) – stabilizers lowered – solid tires					*7450	*7450									*5700	*5700	
10 500 mm	MH (2.99 m) – stabilizers raised – solid tires							5150	4000							3800	2900	8910
	MH (2.99 m) – stabilizers lowered – solid tires							*7250	*7250							*4950	*4950	
9000 mm	MH (2.99 m) – stabilizers raised – solid tires							5200	4050	3850	2950					3050	2300	10 180
	MH (2.99 m) – stabilizers lowered – solid tires							*7450	*7450	*6700	5800					*4550	*4550	
7500 mm	MH (2.99 m) – stabilizers raised – solid tires							5200	4050	3850	2950	2950	2200			2650	1950	11 110
	MH (2.99 m) – stabilizers lowered – solid tires							*7500	*7500	*6650	5800	5450	4500			*4350	4050	
6000 mm	MH (2.99 m) – stabilizers raised – solid tires							5100	3950	3800	2900	2900	2200			2350	1750	11 760
	MH (2.99 m) – stabilizers lowered – solid tires							*7700	*7700	*6750	5750	5450	4450			*4300	3700	
4500 mm	MH (2.99 m) – stabilizers raised – solid tires					6950	5350	4900	3750	3700	2800	2850	2150	2250	1650	2200	1600	12 200
	MH (2.99 m) – stabilizers lowered – solid tires					*9500	*9500	*8000	7550	*6850	5650	5400	4400	4350	3550	4200	3450	
3000 mm	MH (2.99 m) – stabilizers raised – solid tires			10 250	7600	6550	4950	4700	3550	3550	2650	2800	2050	2250	1650	2100	1500	12 430
	MH (2.99 m) – stabilizers lowered – solid tires			*13 350	*13 350	*10 250	*10 250	*8350	7300	6750	5500	5300	4300	4300	3500	4050	3300	
1500 mm	MH (2.99 m) – stabilizers raised – solid tires			9300	6750	6100	4550	4450	3300	3400	2500	2700	2000	2200	1600	2050	1500	12 480
	MH (2.99 m) – stabilizers lowered – solid tires			*14 600	*14 600	*10 750	9900	*8500	7000	6550	5350	5200	4250	4250	3450	4000	3250	
0 mm	MH (2.99 m) – stabilizers raised – solid tires	*4050	*4050	8600	6100	5700	4150	4200	3100	3250	2400	2600	1900	2150	1550			
	MH (2.99 m) – stabilizers lowered – solid tires	*4050	*4050	*14 600	*14 600	*10 750	9450	*8400	6750	6400	5200	5100	4150	*4000	3400			
–1500 mm	MH (2.99 m) – stabilizers raised – solid tires			8200	5750	5450	3950	4050	2950	3150	2300	2550	1850					
	MH (2.99 m) – stabilizers lowered – solid tires			*10 400	*10 400	*9950	9150	*7750	6550	*6150	5050	*4750	4100					

Lift Capacities

All values are in lb, work tool: none, hydraulic cab riser, MH undercarriages, with counterweight (11,460 lb), heavy lift on.

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

Undercarriages
MH (9'10")

Boom
22'4" MH

Stick
19'4" MH (drop nose)

	Undercarriage configuration	10 ft		15 ft		20 ft		25 ft		30 ft		34 ft		39 ft				ft
39 ft	MH (9'10") – stabilizers raised – solid tires					15,873	12,236									11,905	9,149	23
	MH (9'10") – stabilizers lowered – solid tires					16,424	16,424									12,566	12,566	
34 ft	MH (9'10") – stabilizers raised – solid tires							11,354	8,818							8,377	6,393	29
	MH (9'10") – stabilizers lowered – solid tires							15,983	15,983							10,913	10,913	
30 ft	MH (9'10") – stabilizers raised – solid tires							11,464	8,929	8,488	6,504					6,724	5,071	33
	MH (9'10") – stabilizers lowered – solid tires							16,424	16,424	14,771	12,787					10,031	10,031	
25 ft	MH (9'10") – stabilizers raised – solid tires							11,464	8,929	8,488	6,504	6,504	4,850			5,842	4,299	36
	MH (9'10") – stabilizers lowered – solid tires							16,535	16,535	14,661	12,787	12,015	9,921			9,590	8,929	
20 ft	MH (9'10") – stabilizers raised – solid tires							11,243	8,708	8,377	6,393	6,393	4,850			5,181	3,858	39
	MH (9'10") – stabilizers lowered – solid tires							16,975	16,975	14,881	12,676	12,015	9,810			9,480	8,157	
15 ft	MH (9'10") – stabilizers raised – solid tires					15,322	11,795	10,803	8,267	8,157	6,173	6,283	4,740	4,960	3,638	4,850	3,527	40
	MH (9'10") – stabilizers lowered – solid tires					20,944	20,944	17,637	16,645	15,102	12,456	11,905	9,700	9,590	7,826	9,259	7,606	
10 ft	MH (9'10") – stabilizers raised – solid tires			22,597	16,755	14,440	10,913	10,362	7,826	7,826	5,842	6,173	4,519	4,960	3,638	4,630	3,307	41
	MH (9'10") – stabilizers lowered – solid tires			29,431	29,431	22,597	22,597	18,408	16,094	14,881	12,125	11,684	9,480	9,480	7,716	8,929	7,275	
5 ft	MH (9'10") – stabilizers raised – solid tires			20,503	14,881	13,448	10,031	9,810	7,275	7,496	5,512	5,952	4,409	4,850	3,527	4,519	3,307	41
	MH (9'10") – stabilizers lowered – solid tires			32,187	32,187	23,699	21,826	18,739	15,432	14,440	11,795	11,464	9,370	9,370	7,606	8,818	7,165	
0 ft	MH (9'10") – stabilizers raised – solid tires	8,929	8,929	18,960	13,448	12,566	9,149	9,259	6,834	7,165	5,291	5,732	4,189	4,740	3,417			
	MH (9'10") – stabilizers lowered – solid tires	8,929	8,929	32,187	32,187	23,699	20,833	18,519	14,881	14,109	11,464	11,243	9,149	8,818	7,496			
–5 ft	MH (9'10") – stabilizers raised – solid tires			18,078	12,676	12,015	8,708	8,929	6,504	6,944	5,071	5,622	4,079					
	MH (9'10") – stabilizers lowered – solid tires			22,928	22,928	21,936	20,172	17,086	14,440	13,558	11,133	10,472	9,039					

*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, work tool: none, hydraulic cab riser, standard undercarriages, with counterweight (5200 kg), heavy lift on.

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

Undercarriages
Standard

Boom
VA

Stick
2.9 m

Load point height	Undercarriage configuration	3000 mm		4500 mm		6000 mm		7500 mm		Load at maximum reach		mm
		Load over front	Load over side	Load over front	Load over side	Load over front	Load over side	Load over front	Load over side	Load over front	Load over side	
9000 mm	SA (2.99 m) – stabilizers raised – solid tires			*4200	*4200					*4150	*4150	4510
	SA (2.99 m) – stabilizers lowered – solid tires			*4200	*4200					*4150	*4150	
	SA (2.75 m) – stabilizers raised – solid tires			*4200	*4200					*4150	*4150	
	SA (2.75 m) – stabilizers lowered – solid tires			*4200	*4200					*4150	*4150	
7500 mm	SA (2.99 m) – stabilizers raised – solid tires					*5100	5100			*3100	*3100	6410
	SA (2.99 m) – stabilizers lowered – solid tires					*5100	*5100			*3100	*3100	
	SA (2.75 m) – stabilizers raised – solid tires					*5100	5100			*3100	*3100	
	SA (2.75 m) – stabilizers lowered – solid tires					*5100	*5100			*3100	*3100	
6000 mm	SA (2.99 m) – stabilizers raised – solid tires					*6300	5100	*3150	*3150	*2750	*2750	7540
	SA (2.99 m) – stabilizers lowered – solid tires					*6300	*6300	*3150	*3150	*2750	*2750	
	SA (2.75 m) – stabilizers raised – solid tires					*6300	5100	*3150	*3150	*2750	*2750	
	SA (2.75 m) – stabilizers lowered – solid tires					*6300	*6300	*3150	*3150	*2750	*2750	
4500 mm	SA (2.99 m) – stabilizers raised – solid tires			*7850	7650	6550	4950	4600	3450	*2600	*2600	8230
	SA (2.99 m) – stabilizers lowered – solid tires			*7850	*7850	*6800	*6800	*5600	*5600	*2600	*2600	
	SA (2.75 m) – stabilizers raised – solid tires			*7850	7650	6550	4950	4600	3450	*2600	*2600	
	SA (2.75 m) – stabilizers lowered – solid tires			*7850	*7850	*6800	*6800	*5600	*5600	*2600	*2600	
3000 mm	SA (2.99 m) – stabilizers raised – solid tires			9650	7050	6250	4650	4500	3350	*2600	*2600	8590
	SA (2.99 m) – stabilizers lowered – solid tires			*10 000	*10 000	*7300	*7300	*5800	*5800	*2600	*2600	
	SA (2.75 m) – stabilizers raised – solid tires			9650	7050	6250	4650	4500	3350	*2600	*2600	
	SA (2.75 m) – stabilizers lowered – solid tires			*10 000	*10 000	*7300	*7300	*5800	*5800	*2600	*2600	
1500 mm	SA (2.99 m) – stabilizers raised – solid tires			9050	6500	6000	4400	4350	3200	*2650	2600	8670
	SA (2.99 m) – stabilizers lowered – solid tires			*11 400	*11 400	*7950	*7950	*6100	*6100	*2650	*2650	
	SA (2.75 m) – stabilizers raised – solid tires			9050	6500	6000	4400	4350	3200	*2650	2550	
	SA (2.75 m) – stabilizers lowered – solid tires			*11 400	*11 400	*7950	*7950	*6100	*6100	*2650	*2650	
0 mm	SA (2.99 m) – stabilizers raised – solid tires			8700	6200	5800	4200	4250	3100	*2850	2650	8470
	SA (2.99 m) – stabilizers lowered – solid tires			*11 750	*11 750	*8500	*8500	*6450	*6450	*2850	*2850	
	SA (2.75 m) – stabilizers raised – solid tires			8700	6150	5750	4200	4250	3100	*2850	2600	
	SA (2.75 m) – stabilizers lowered – solid tires			*11 750	*11 750	*8500	*8500	*6450	6250	*2850	*2850	
–1500 mm	SA (2.99 m) – stabilizers raised – solid tires	*9450	*9450	8600	6100	5700	4100	4200	3050	*3250	2850	7980
	SA (2.99 m) – stabilizers lowered – solid tires	*9450	*9450	*10 950	*10 950	*8100	*8100	*6000	*6000	*3250	*3250	
	SA (2.75 m) – stabilizers raised – solid tires	*9450	*9450	8600	6100	5700	4100	4200	3050	*3250	2850	
	SA (2.75 m) – stabilizers lowered – solid tires	*9450	*9450	*10 950	*10 950	*8100	*8100	*6000	*6000	*3250	*3250	
–3000 mm	SA (2.99 m) – stabilizers raised – solid tires			8700	6150	5700	4150					
	SA (2.99 m) – stabilizers lowered – solid tires			*9150	*9150	*6750	*6750					
	SA (2.75 m) – stabilizers raised – solid tires			8650	6150	5700	4150					
	SA (2.75 m) – stabilizers lowered – solid tires			*9150	*9150	*6750	*6750					

*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 capacity is calculated with VA cylinder completely extracted.

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

MH3026 Wheel Material Handler Specifications

Lift Capacities

All values are in lb, bucket cylinder and linkage installed, work tool: none, hydraulic cab riser, standard undercarriages, with counterweight (11,460 lb), heavy lift on.

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

Undercarriages
Standard

Boom
VA

Stick
9'10"

Load point height	Undercarriage configuration	10 ft		15 ft		20 ft		25 ft		Load at maximum reach		ft
		Load over front	Load over side	Load over front	Load over side	Load over front	Load over side	Load over front	Load over side	Load over front	Load over side	
30 ft	SA (9'10") – stabilizers raised – solid tires			*9,259	*9,259					*9,149	*9,149	15
	SA (9'10") – stabilizers lowered – solid tires			*9,259	*9,259					*9,149	*9,149	
	SA (9'0") – stabilizers raised – solid tires			*9,259	*9,259					*9,149	*9,149	
	SA (9'0") – stabilizers lowered – solid tires			*9,259	*9,259					*9,149	*9,149	
25 ft	SA (9'10") – stabilizers raised – solid tires					*11,243	*11,243			*6,834	*6,834	21
	SA (9'10") – stabilizers lowered – solid tires					*11,243	*11,243			*6,834	*6,834	
	SA (9'0") – stabilizers raised – solid tires					*11,243	*11,243			*6,834	*6,834	
	SA (9'0") – stabilizers lowered – solid tires					*11,243	*11,243			*6,834	*6,834	
20 ft	SA (9'10") – stabilizers raised – solid tires					*13,889	*11,243	*6,944	*6,944	*6,063	*6,063	25
	SA (9'10") – stabilizers lowered – solid tires					*13,889	*13,889	*6,944	*6,944	*6,063	*6,063	
	SA (9'0") – stabilizers raised – solid tires					*13,889	*11,243	*6,944	*6,944	*6,063	*6,063	
	SA (9'0") – stabilizers lowered – solid tires					*13,889	*13,889	*6,944	*6,944	*6,063	*6,063	
15 ft	SA (9'10") – stabilizers raised – solid tires			*17,306	*16,865	*14,440	*10,913	*10,141	*7,606	*5,732	*5,732	27
	SA (9'10") – stabilizers lowered – solid tires			*17,306	*17,306	*14,991	*14,991	*12,346	*12,346	*5,732	*5,732	
	SA (9'0") – stabilizers raised – solid tires			*17,306	*16,865	*14,440	*10,913	*10,141	*7,606	*5,732	*5,732	
	SA (9'0") – stabilizers lowered – solid tires			*17,306	*17,306	*14,991	*14,991	*12,346	*12,346	*5,732	*5,732	
10 ft	SA (9'10") – stabilizers raised – solid tires			*21,274	*15,542	*13,779	*10,251	*9,921	*7,385	*5,732	*5,732	28
	SA (9'10") – stabilizers lowered – solid tires			*22,046	*22,046	*16,094	*16,094	*12,787	*12,787	*5,732	*5,732	
	SA (9'0") – stabilizers raised – solid tires			*21,274	*15,542	*13,779	*10,251	*9,921	*7,385	*5,732	*5,732	
	SA (9'0") – stabilizers lowered – solid tires			*22,046	*22,046	*16,094	*16,094	*12,787	*12,787	*5,732	*5,732	
5 ft	SA (9'10") – stabilizers raised – solid tires			*19,952	*14,330	*13,228	*9,700	*9,590	*7,055	*5,842	*5,732	28
	SA (9'10") – stabilizers lowered – solid tires			*25,132	*25,132	*17,527	*17,527	*13,448	*13,448	*5,842	*5,842	
	SA (9'0") – stabilizers raised – solid tires			*19,952	*14,330	*13,228	*9,700	*9,590	*7,055	*5,842	*5,622	
	SA (9'0") – stabilizers lowered – solid tires			*25,132	*25,132	*17,527	*17,527	*13,448	*13,448	*5,842	*5,842	
0 ft	SA (9'10") – stabilizers raised – solid tires			*19,180	*13,669	*12,787	*9,259	*9,370	*6,834	*6,283	*5,842	28
	SA (9'10") – stabilizers lowered – solid tires			*25,904	*25,904	*18,739	*18,739	*14,220	*14,220	*6,283	*6,283	
	SA (9'0") – stabilizers raised – solid tires			*19,180	*13,558	*12,676	*9,259	*9,370	*6,834	*6,283	*5,732	
	SA (9'0") – stabilizers lowered – solid tires			*25,904	*25,904	*18,739	*18,739	*14,220	*13,779	*6,283	*6,283	
–5 ft	SA (9'10") – stabilizers raised – solid tires	*20,833	*20,833	*18,960	*13,448	*12,566	*9,039	*9,259	*6,724	*7,165	*6,283	26
	SA (9'10") – stabilizers lowered – solid tires	*20,833	*20,833	*24,140	*24,140	*17,857	*17,857	*13,228	*13,228	*7,165	*7,165	
	SA (9'0") – stabilizers raised – solid tires	*20,833	*20,833	*18,960	*13,448	*12,566	*9,039	*9,259	*6,724	*7,165	*6,283	
	SA (9'0") – stabilizers lowered – solid tires	*20,833	*20,833	*24,140	*24,140	*17,857	*17,857	*13,228	*13,228	*7,165	*7,165	
–10 ft	SA (9'10") – stabilizers raised – solid tires			*19,180	*13,558	*12,566	*9,149					
	SA (9'10") – stabilizers lowered – solid tires			*20,172	*20,172	*14,881	*14,881					
	SA (9'0") – stabilizers raised – solid tires			*19,070	*13,558	*12,566	*9,149					
	SA (9'0") – stabilizers lowered – solid tires			*20,172	*20,172	*14,881	*14,881					

*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 capacity is calculated with VA cylinder completely extracted.

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

Standard Equipment

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

ELECTRICAL

- Alternator, 115A
- Heavy Duty maintenance free batteries
- Lighting
  - Boom and stick LED working light
  - One LED light on the counterweight for the rear camera, and one on the right for the sideview camera
  - Cab LED interior dome light
  - Roading lights two front, halogen
  - Roading lights two rear, LED
  - Working LED lights, cab mounted (two front and one rear), compatible with Falling Objects Guards)
- Main shut-off switch
- Signal/warning horn

ENGINE

- Cat C7.1 ACERT Technology engine meets Tier 4 Final emission standards
- Aftertreatment technologies including the Cat Clean Emission Module (Cat CEM) package
- Air filter
- 3000 m (9,842 ft) altitude capability without de-rate
- Automatic engine speed control (AESC), including One Touch Low Idle
- Engine Idle Shutdown (EIS)
- Automatic starting aid
- Fuel filter
- Fuel/water separator with water in fuel switch
- 48° C (118° F) ambient cooling capability without de-rate
- Power mode selector
- Electric fuel priming pump
- Capability of running with biodiesel fuel (B20)

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 attachments
- Heavy lift mode
- Load-sensing hydraulic system
- Oil cooler
- Quick disconnect couplings
- Separate swing pump
- Electric Pump Control (EPC)
- Boom Lowering Check Valve (BLCV), including overload warning device
- Stick Lowering Check Valve (SLCV)

OPERATOR STATION

- Additional color monitor for cameras, split-screen display for both cameras' view
- 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 (four speeds), parallel wiping system, covering upper and lower windshield glass
- CD/MP3 radio (12V) 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, engine dial setting
  - Clock with 10-day backup battery
- Interior LED lighting with door switch
- Joysticks, pilot operated with one proportional slider
- Laminated front windshield
- Left side console, tiltable, with lock out for all controls
- Cigarette lighter (24V)
- Literature holder in right console
- Mobile phone holder
- Parking brake
- Pin code type engine start prevention, integrated into the monitor
- Power supply, 12V-10A
- Rear window (tempered glass)/emergency exit, with hammer
- Retractable seat belt, integrated into the seat
- Seat belt indicator and alarm
- Skylight, laminated glass
- 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
- Safety lever, integrated into the left console
- Sealed cab, with positive filtered, variable speed ventilation

Continued on next page

Standard Equipment *(continued)*

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

UNDERCARRIAGE

- Automatic brake and axle lock
- Electronic swing and travel lock
- Creeper speed
- Four wheel drive
- Heavy-duty axles, advanced travel motor, adjustable braking force and disc brake system
- Oscillating front axle, lockable, with remote greasing point
- Steps, wide, left and right
- Tool boxes, left and right, in undercarriage
- Two-speed hydrostatic transmission
- One-piece drive shaft, with 1,000 hours greasing intervals

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, 5200 kg (11,460 lb)
- Door locks and cap locks with Cat one-key security system
- Mirrors, wide angle, frame and cab
- Product Link
- Cameras
  - Rear mounted wide angle camera, integrated into the counterweight
  - Right side wide angle camera, mounted on the cooling hood.
- S·O·S℠ Quick Sampling valves for engine oil, hydraulic oil and coolant
- Engine emergency shutoff switch
- Spacer rings for tires

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 an attachment
    - Programmable flow and pressure for up to 10 work tools – selection via monitor
  - Quick coupler circuits and lines for hydraulic quick coupler (both Cat pin grabber and dedicated couplers, controlled by a dedicated switch)
- SmartBoom

HYDRAULICS

- Cat BIO HYDO Advanced HEES biodegradable hydraulic oil

FRONT LINKAGE

- VA boom (5490 mm/18'0"):
  - Straight stick (2500 mm/8'2", 2900 mm/9'6")
- One-Piece boom (5650 mm/18'6"):
  - Straight stick (2500 mm/8'2", 2900 mm/9'6")
- Material Handling boom (6800 mm/22'4"):
  - Drop nose MH stick (4900 mm/16'1", 5500 mm/18'1" or 5900 mm/19'4")
  - Straight MH stick (4800 mm/15'9")

ELECTRICAL

- Adjustable travel alarm
- Rotating beacon
- Generator, 15 kW (20 hp)

OPERATOR STATION

- Top/front guards
- Joystick steering
- Advanced joysticks with two proportional sliders
- High pressure auxiliary pedal
- Seat, adjustable back, with vertical and horizontal air-suspension and head rest
  - Automatic weight adjustment, mechanical lumbar support, passive climate system, seat cushion length/angle adjustment and heated seat (Comfort)
  - Automatic height and weight adjustment, active climate system, premium microfiber seat fabric, pneumatic lumbar support, seat cushion length and angle adjustment and adjustable dampening, heated and ventilated (Deluxe)
- Visor for rain protection
- Windshield
  - One-piece, impact resistant, laminated windshield and skylight (EN356 P5A, 10 mm/0.4")
  - 70/30 split, openable – two-parts split, fixed, high impact resistant, laminated windshield and skylight (EN356 P8B, 26 mm/1")
- Mirrors, electrically adjustable and heated, frame and cab

TIRES

- Dual pneumatic 11.00-20
- Dual solid rubber, 10.00-20

UNDERCARRIAGE

- MH undercarriage (2.75 m/9'0" or 2.99 m/9'10" wide) with four welded outriggers
- MH undercarriage (2.75 m/9'0" or 2.99 m/9'10" wide) with four welded outriggers and front mounted blade
- Standard undercarriage, with outriggers (front and/or rear), dozer blade (front or rear)
- Easy Cab Access Package, front
- Easy Cab Access Package, rear

OTHER EQUIPMENT

- Bucket linkages
- Cat Machine Security System
- Hydraulic quick coupler
- Maximum speed 20 km/h (12.4 mph) or 25 km/h (15.5 mph)*
- Refueling pump with dedicated tray for the hose
- Waste Handling Package, adds a reversing fan and vibrating grill to the cooling protection package
- Advanced Cab Filtration System
- Attachments (see page 26)

*25 km/h (15.5 mph) not compatible with solid tires

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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(NACD, ANZ)