

Cat[®] MH3026

Wheel Material Handler

2018



We know that when it comes to material handling equipment, your success depends on productivity and low operating costs. The MH3026 is a purpose-built material handler, designed for industrial and recycling applications that call for safe, quality and reliable products. It is relentlessly efficient for sites and applications requiring larger lifting capacities and working envelope.

Performance

- **Powerful and efficient** – Cat[®] C7.1 ACERT™ engine meets U.S. EPA Tier 4 Final/EU Stage IV emission standards. Emissions technology is transparent – no action required from the operator and no stopping for regeneration.
- **Dedicated swing pump** allows faster and smoother combined movements.
- **Efficient hydraulic system** provides precision and speed, while preserving fuel consumption.
- **Stability and increased lifting capacities over the rear** thanks to the new 2.75 m (9'0") MH symmetric undercarriage. And for high material density application, you can count on the 2.99 m (9'8") MH chassis for even more stability.

Efficiency

- **Optimized fuel consumption** with no impact on your productivity to lower operating costs. You can further reduce fuel consumption by up to 15% by combining the machine with the new Cat Orange Peel Grapples.
- **Built-in fuel savers** eliminate waste thanks to Auto Engine Speed Control, Engine Idle Shutdown and enhanced Eco Mode.
- **High cooling efficiency** axial fan keeps operating temperatures and costs low.

Safety

- **Blue Angel certified** with low vibrations and sound levels.
- **Options for specific applications** – Thicker high impact and impact resistant windshields fulfill respectively the EN356 P8B and P5A standards. The Advanced Cab Filtration system almost completely eliminates dust entry and air contamination.
- **Great visibility** – Large glass areas, LED lights for all working lights and cameras, with both displays split on the same screen.
- **Direct access to the cab** is possible with the upperframe swung thanks to new steps on the front and rear of the undercarriage.

Ease of Operation

- **Enjoy integrated technologies** – They act transparently. Features like the Auto Brake and Axle Lock or Automatic Travel lock remove some of the tasks you had to do.
- **Smart technologies** – They help boost your productivity while making operation easier; try the optional SmartBoom™ or Joystick steering.
- **Our cabs are unique** – It's a cab just for you where everything can be adjusted, from the seat to the work tools controls assignment on joysticks and pedal.

Maintenance

- **Ground level access** for routine maintenance items like fuel and engine oil filters or fluid taps.
- **Reduced maintenance** – Automatic features like electric lift pump and lubrication system along with long greasing intervals.

Versatility

- **Various configurations** – A wide choice of front linkage lengths including digging, straight and drop nose sticks. The new 5.5 m (18'1") drop nose stick is a perfect addition if you move your machine, allowing transportation without stick removal.
- **Increase your efficiency with the front push blade** to clear the ground from materials commonly encountered in industrial applications.
- **Various Waste Handling (WH) Packages options** – The "fine mesh" package protects the cooling hood from dust and includes an engine air precleaner. The adjustable reversing fan and vibrating grill of the WH package add more protection.
- **Various attachments** to tackle all kinds of jobs, from various grapple types to the 15 kW Cat Generator.

Cat Connect Technology

- **Product Link™** connects owners to their equipment, providing access to machine data such as location, hours, fuel consumption, idle time and events, and diagnostic codes.

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Engine

Engine Model	Cat C7.1 ACERT	
Emissions	Tier 4 Final/Stage IV	
Maximum Gross (ISO 14396)	129.4 kW	174 hp (176 hp/PS*)
Maximum Net (ISO 9249/SAE J1349)	126 kW	169 hp (171 hp/PS*)
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	7.01 L	427.8 in ³
Cylinders	6 in-line	
Maximum Torque @ 1,400 rpm	830 N·m	612 lbf·ft
*Metric values.		

Swing Mechanism

Swing Speed	9 rpm	
Maximum Swing Torque	59 kN·m	43,516 lbf·ft

Transmission

Maximum Travel Speed (2nd gear)	25 km/h	16 mph
Creeper Speed (2nd gear)	12 km/h	7.5 mph
Maximum Gradeability (25 000 kg/55,120 lb)	60%	

Service Refill Capabilities

Fuel Tank	420 L	111 gal
Cooling System	46.9 L	12.3 gal
Diesel Exhaust Fluid Tank	34.5 L	9.1 gal
Hydraulic Tank Capacity	200 L	52.8 gal
Hydraulic System Capacity	352 L	93 gal

Undercarriage

Axle Clearance (all MH undercarriages)	325 mm	12.8 in
Oscillation Axle Angle	±5 degrees	

Maximum Dimensions (approximate)

Maximum Shipping Height*	3635 mm	11'1"
Maximum Shipping Width	2990 mm	9'10"

*5900 mm (19'4") stick needs to be detached for transportation.

Hydraulic System: Maximum Pressure

Implement Circuit		
Normal	35 000 kPa	5,076 psi
Heavy Lift	37 000 kPa	5,366 psi
Travel Circuit	35 000 kPa	5,076 psi
Auxiliary Circuit		
Medium Pressure	21 000 kPa	3,046 psi
High Pressure	35 000 kPa	5,076 psi
Swing Mechanism	31 000 kPa	4,496 psi

Hydraulic System: Maximum Flow

Implement/Travel Circuit	359 L/min	95 gal/min
Auxiliary Circuit – High Pressure	250 L/min	66 gal/min
Auxiliary Circuit – Medium Pressure	49 L/min	13 gal/min
Swing Mechanism	118 L/min	31.1 gal/min

Weights

Operating Weights*	25 220- 26 150 kg	55,601- 57,651 lb
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With MH Boom (6800 mm/22'4")

MH 2.99 m/9'8" Undercarriage and Straight Stick	26 150 kg	57,651 lb
MH 2.99 m/9'8" Undercarriage and 5900 mm (19'4") Drop Nose Stick	25 770 kg	56,813 lb
MH 2.75 m/9'0" Undercarriage and Straight Stick	25 220 kg	55,601 lb

Key Components

MH Blade	745 kg	1,643 lb
Straight (4800 mm/15'9")	1420 kg	3,131 lb
Drop Nose (4900 mm/16'1")	955 kg	2,106 lb
Drop Nose (5500 mm/18'1")	1075 kg	2,370 lb
Drop Nose (5900 mm/19'4")	1115 kg	2,459 lb
MH Push Blade	745 kg	1,643 lb

*With solid tires, 5200 kg (11,465 lb) counterweight, MH undercarriage, fuel tank, operator and work tool, 1400 kg (3,086 lb). Weight varies depending on configuration.

Working Ranges – without Work Tool

	MH Boom (6800 mm/22'4")							
	mm	ft/in	mm	ft/in	mm	ft/in	mm	ft/in
Stick Length	4800	15'9"	4900	16'1"	5500	18'1"	5900	19'4"
Maximum Height	12 425	40'9"	12 505	41'0"	12 605	41'4"	13 300	43'8"
Maximum Reach	11 435	37'6"	11 530	37'10"	11 910	39'1"	12 485	40'11"
Maximum Depth	1820	6'0"	1920	6'3"	2525	8'3"	2925	9'7"

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