

# PRODUCT SPECIFICATIONS FOR MH3032



## ENGINE

<b>Engine Model</b>	Cat C7.1
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<b>Bore</b>	105 mm
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<b>Stroke</b>	135 mm
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<b>Displacement</b>	7 l
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<b>Note (1)</b>	Advertised power is tested per the specified standard in effect at the time of manufacture.
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<b>Note (2)</b>	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
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## TRANSMISSION

<b>Maximum Travel Speed</b>	18 km/h
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<b>Drawbar Pull</b>	104 kN
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<b>Maximum Gradeability</b>	35.00%
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## HYDRAULIC SYSTEM

<b>Maximum Pressure - Implements</b>	35000 kPa
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<b>Maximum Pressure - Swing</b>	28400 kPa
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<b>Maximum Pressure - Travel</b>	35000 kPa
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## SWING MECHANISM

<b>Swing Speed</b>	8 r/min
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<b>Maximum Swing Torque</b>	82 kN·m
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## WEIGHTS

<b>Operating Weight</b>	33500 kg
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**Note** Operating weight includes full fuel tank, operator, grapple 2000 kg (4,410 lb), and single tires. Weight varies depending on configuration.

## SERVICE REFILL CAPACITIES

<b>Fuel Tank Capacity</b>	474 l
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<b>Cooling System</b>	25 l
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<b>Engine Oil</b>	25 l
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<b>Rear Axle - Housing (Differential)</b>	14 l
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<b>Final Drive</b>	2.5 l
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<b>Powershift Transmission</b>	2.5 l
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<b>Hydraulic System - Including Tank</b>	301 l
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<b>Hydraulic Tank</b>	147 l
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<b>Diesel Exhaust Fluid (DEF) Tank</b>	41 l
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## DIMENSIONS

<b>Boom</b>	MH 8.5 m (27'11")
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<b>Stick</b>	6.4 m (21'0")
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<b>Shipping Length</b>	11890 mm
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<b>Machine Length</b>	5610 mm
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<b>Tail Swing Radius</b>	300 mm
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<b>Counterweight Clearance</b>	1380 mm
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<b>Cab Height- Lowered</b>	3410 mm
<b>Cab Height- Lowered with FOGS</b>	3470 mm
<b>Cab Height-Raised</b>	6000 mm
<b>Cab Height- Raised with FOGS</b>	6060 mm
<b>Wheel Base</b>	3000 mm
<b>Shipping Width</b>	3000 mm
<b>Ground Clearance</b>	320 mm
<b>Undercarriage Length</b>	5610 mm

## WORKING RANGES

<b>Maximum Reach</b>	14080 mm
<b>Boom</b>	MH 8.5 m (27'11")
<b>Stick</b>	6.4 m (21'0")
<b>Maximum Height</b>	15380 mm
<b>Maximum Dump Height</b>	4580 mm
<b>Maximum Depth</b>	5080 mm
<b>Boom Pin Height</b>	10660 mm

## MH3032 STANDARD EQUIPMENT

### NOTE

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

### CAB

Advanced sound suppressed TOPS cab (ISO 12117-2 compliant) with rubber mount

with 100% sound reduction (100% sound reduction) with 100% sound reduction

High-resolution 254 mm (10") LCD touch screen monitor  
Automatic bi-level air conditioner  
Jog dial and shortcut keys for monitor control  
Keyless push-to-start engine control  
Tilt-up left-side console  
Air suspension premium seat with headrest, heater, and ventilator  
Dome and lower LED interior lights

## **CAT TECHNOLOGY**

Cat Product Link  
Remote Services capability

## **ELECTRICAL SYSTEM**

Maintenance-free battery  
LED chassis light, left-hand/right-hand boom lights, cab lights - 1800 lumens  
Centralized electrical disconnect switch  
Programmable time delay LED working lights after engine shutdown

## **ENGINE**

C7.1 diesel engine  
Three selectable modes: Power, Smart, Eco  
4500 m (14,760 ft) altitude capability with engine power derate above 3000 m (9,840 ft)  
43°C (109°F) high-ambient cooling capacity with derate  
-20°C (-4°F) cold start capability  
Reversible electric cooling fans

## **HYDRAULIC SYSTEM**

Electric main control valve  
Boom and stick regeneration circuits  
Automatic hydraulic oil warm up  
Boom and stick lowering control check valves  
Element type main hydraulic filter

## **SAFETY AND SECURITY**

One key security system  
Door and cap lock  
Travel/swing lock  
Signaling/warning horn  
Travel alarm  
Secondary engine shutoff switch  
Openable rear window as emergency exit  
Rearview camera  
Right-side-view camera  
Right-side front-view mirror

## **UNDERCARRIAGE AND STRUCTURES**

5300 kg (11,700 lb) counterweight

All wheel drive

Automatic brake/axle lock

Creeper speed

Electronic swing and travel lock

Heavy-duty axles, advanced disc brake system, and travel motor with adjustable braking force

Lockable, oscillating front axle with remote greasing point

Two speed hydrostatic transmission

Tie down points on base frame (ISO 15818 compliant)

## **MH3032 OPTIONAL EQUIPMENT**

### **NOTE**

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

### **BOOM AND STICKS**

6.4 m (21'0") drop nose stick

Stickless machine configuration

### **CAB**

Fixed one-piece laminated windshield and roof window (P5A glass)

Fixed two-piece laminated windshield and roof window (P8B glass)

### **ELECTRICAL SYSTEM**

Generator, 20 kW with wiring to stick nose

Rotating beacon

### **ENGINE**

Cold start, block heater

### **HYDRAULIC SYSTEM**

Fine swing control function

### **UNDERCARRIAGE AND STRUCTURES**

PR16 dual air tires

Solid rubber dual tires