

PRODUCT SPECIFICATIONS FOR MH3040



ENGINE

Engine Model	Cat C7.1
Bore	105 mm
Stroke	135 mm
Displacement	7 l

TRANSMISSION

Maximum Travel Speed	18 km/h
Drawbar Pull	154 kN
Maximum Gradeability	43.80%

HYDRAULIC SYSTEM

Maximum Pressure - Implements	35000 kPa
Maximum Pressure - Swing	28400 kPa
Maximum Pressure - Travel	35000 kPa

SWING MECHANISM

Swing Speed	11.5 r/min
Maximum Swing Torque	82 kN·m

WEIGHTS

Operating Weight	38529 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

Fuel Tank Capacity	474 l
Cooling System	25 l
Engine Oil	25 l
Swing Drive	10 l
Rear Axle - Housing (Differential)	19 l
Front Steering Axle - Differential	24 l
Final Drive	6 l
Powershift Transmission	2.9 l
Hydraulic System - Including Tank	329 l
Hydraulic Tank	147 l
Diesel Exhaust Fluid (DEF) Tank	41 l

DIMENSIONS

Boom	MH 9.3 m (30'6")
Stick	7.1 m (23'3")
Shipping Length	12800 mm
Machine Length	6330 mm
Tail Swing Radius	3130 mm
Counterweight Clearance	1741 mm
Cab Height- Lowered	3660 mm

Cab Height- Lowered with FOGS	3805 mm
Cab Height-Raised	6255 mm
Cab Height- Raised with FOGS	6400 mm
Wheel Base	3210 mm
Shipping Width	3000 mm
Ground Clearance	265 mm
Undercarriage Length	6425 mm

WORKING RANGES

Maximum Reach	15490 mm
Boom	MH 9.3 m (30'6")
Stick	7.1 m (23'3")
Maximum Height	17510 mm
Maximum Dump Height	5445 mm
Maximum Depth	5265 mm
Boom Pin Height	12195 mm

SUSTAINABILITY

Recyclability	95%
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MH3040 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
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
Fixed one-piece tempered windshield (P5A glass)
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
Cold start capability-20°C (-4°F)
Reversible electric cooling fans
Cold start, ether start

HYDRAULIC SYSTEM

Electric main control valve
Boom and stick regeneration circuits
Automatic hydraulic oil warm up
Boom and stick lowering control check valves
Tandem type electronic main pump
Element type main hydraulic filter
Heavy lift mode
Fine swing control function

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
Bolt-on FOGS
Rearview camera
Right-side-view camera
Right-side front-view mirror

UNDERCARRIAGE AND STRUCTURES

7700 kg (16,975 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)

MH3040 OPTIONAL EQUIPMENT

NOTE

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

BOOM AND STICKS

9.3 m (30'6") Material Handler boom
Log Loader Boom
7.1 m (23'3") Industrial stick
5.7 m (18'7") Industrial stick
Log Loader Over-Under front
9.9m (32' 6") Barge Boom

CAB

Two-piece, high impact resistant laminated windshield (P8B)
Auxiliary relay

ELECTRICAL SYSTEM

Generator, 20 kW with wiring to stick nose
Rotating beacon

ENGINE

Cold start, block heater

HYDRAULIC SYSTEM

Boom and stick lowering control check valves

Smart Boom

UNDERCARRIAGE AND STRUCTURES

16.00-25 single solid rubber tires

23.5-R25 XHA2 (Michelin) tires