

PRODUCT SPECIFICATIONS FOR MH3024



ENGINE

Engine Model	Cat C4.4
Engine Power - Maximum - ISO 14396	129 kW
Net Power - ISO 9249	128 kW
Bore	105 mm
Stroke	135 mm
Displacement	4.4 l
Maximum Gross - ISO 14396	129.4 kW (174 hp [176 hp/PS*])

TRANSMISSION

Maximum Travel Speed (with steering wheel)	20 km/h
Maximum Travel Speed (with joysticks)	15 km/h
Drawbar Pull	127 kN
Maximum Gradeability (23 500 kg/51,810 lb)	65

HYDRAULIC SYSTEM

Maximum Pressure - Implements	37000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	39000 kPa

MACHINE WEIGHTS

Maximum Operating Weight	26800 kg
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Minimum Operating Weight	22700 kg
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SERVICE REFILL CAPACITIES

Fuel Tank Capacity	350 l
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Engine Oil	13 l
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Hydraulic Tank	155 l
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Hydraulic System - Including Tank	345 l
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Rear Axle - Housing (Differential)	14 l
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Front Steering Axle - Differential	10.5 l
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Powershift Transmission	2.5 l
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SERVICE REFILL CAPABILITIES

Diesel Exhaust Fluid Tank	30 l
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Cooling System	36 l
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Final Drive - Each	2.5 l
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Hydraulic Tank Capacity	153 l
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Fuel Tank	330 l
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Hydraulic System Capacity	253 l
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SWING MECHANISM

Maximum Swing Torque	58 kN·m
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Swing Speed	8.2 r/min
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DIMENSIONS

Boom	MH Boom 7.45 m (24'5")
Stick	Drop Nose 5 m (16'5")
Undercarriage Width	3000 mm
Shipping Height (with FOGS)	3350 mm
Shipping Length	10670 mm
Shipping Length (with push blade)	11130 mm
Machine Length	5290 mm
Machine Length (with push blade)	5740 mm
Tail Swing Radius	2600 mm
Counterweight Clearance	1300 mm
Cab Height- Lowered	3350 mm
Cab Height- Lowered with FOGS	3350 mm
Cab Height-Raised	5750 mm
Cab Height- Raised with FOGS	5750 mm
Wheel Base	2750 mm
Shipping Width	2990 mm
Ground Clearance	320 mm
Undercarriage Length	5300 mm
Undercarriage Length (with push blade)	5740 mm

Upper Frame Width (including handrails) 2540 mm

Cab Height - Raised to Top of FOGS Guard 5750 mm

WORKING RANGES

Maximum Reach 12010 mm

Boom MH Boom 7.45 m (24'5")

Stick Drop Nose 5 m (16'5")

Maximum Height 13030 mm

Minimum Dump Height 4520 mm

Maximum Reach at Ground Line 11870 mm

Maximum Depth 3010 mm

Boom Pin Height 9260 mm

WEIGHTS

With MH Boom (6400 mm/20'1") - MH Undercarriage and Straight Stick 22930 kg

With MH Boom (6400 mm/20'1") - MH Undercarriage and 4900 mm/16'1" Drop
Nose Stick 22550 kg

With Short MH Boom (5350 mm/17'6") - MH Undercarriage and Straight Stick 22670 kg

UNDERCARRIAGE

Oscillation Axle Angle \diamond 5 degrees

Axle Clearance - MH 2.55 m/8'4" Undercarriage 325 mm

TRANSMISSIONS

Maximum Travel Speed (with joysticks) 15 km/h

Maximum Travel Speed (with steering wheel)

20 km/h

MH3024 STANDARD EQUIPMENT

CAB

Advanced sound-suppressed TOPS cab (ISO 12117-2 compliant)
Keyless push-to-start engine control
Tilt-up left-side console
LED dome lights

CAT TECHNOLOGY

Cat Product Link
2D E-fence and cab avoidance
Remote flash and services capability
Cat Payload

ELECTRICAL SYSTEM

Roading and indicator lights at front and rear
Maintenance-free batteries
LED chassis light, left-hand/right-hand boom and stick lights, cab lights -1800 lumens
Centralized electrical disconnect switch
Programmable time delay LED working lights

SERVICE AND MAINTENANCE

Automatic lubrication system for implement and swing system
S-O-S sampling ports

ENGINE

C4.4 engine
One-touch low idle with automatic engine speed control
Automatic engine shutdown
52°C (125°F) high-ambient capability
Cold start capability-18°C (-0°F)
Electric fuel priming pump
Double element air filter with integrated precleaner
On-demand electric cooling fans with auto-reverse function

HYDRAULIC SYSTEM

Electric main control valve
Automatic hydraulic oil warm up
Automatic swing brake
Separate dedicated swing pump
Boom and stick lowering check valves

Medium pressure auxiliary circuit
Element type main hydraulic filter
SmartBoom
Smart Stick
Heavy lift mode

SAFETY AND SECURITY

Rear- and right-side-view cameras
Secondary engine shutoff switch

UNDERCARRIAGE AND STRUCTURES

All wheel drive
Automatic brake/axle lock
Creeper speed
Heavy-duty axles, advanced disc brake system, and travel motor with adjustable braking force
Lockable, oscillating front axle with remote greasing point

MH3024 OPTIONAL EQUIPMENT

BOOMS AND STICKS

7.45m (24'5") Straight MH boom
6.4 m (21') Straight MH boom
5.26 m (17'3") Variable Angle boom
5.65 m (18'6") One-piece boom
5.0 m (16'5") Drop Nose MH stick
4.3 m (14'1") Straight MH stick
2.9 m (9'6") Reach stick
2.5 m (8'2") Reach stick
No Stick Configuration

CAB

Deluxe cab: air suspension heated seat, 10" touchscreen monitor
Premium cab: air suspension heated seat, 10" touchscreen monitor
Fixed one-piece laminated windshield and roof window (P5A glass)
Fixed one-piece laminated windshield and roof window (P8B glass)
Auxiliary relay

ELECTRICAL SYSTEM

Electrical refueling pump

SAFETY AND SECURITY

360° visibility
Travel alarm

UNDERCARRIAGE AND STRUCTURES

2750 mm (9'0") wide undercarriage
3000 mm (9'10") wide undercarriage
4200 kg (9,250 lb) counterweight
4700 kb (10,350 lb) counterweight
Push Blade
10.00-20 dual solid rubber tires
10.00-20 16 PR dual tires