



MH3024

Material Handler

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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MH3024 Material Handler Specifications

Engine

Engine Model	Cat® C4.4	
Net Power – ISO 9249	128 kW	171 hp
Net Power – ISO 9249 (metric)	174 hp (PS)	
Engine Power – ISO 14396	129 kW	174 hp
Engine Power – ISO 14396 (metric)	176 hp (PS)	
Bore	105 mm	4.1 in
Stroke	135 mm	5.3 in
Displacement	4.4 L	268.5 in ³
Number of Cylinders	4	
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system, and alternator.
- Engine speed at 2,200 rpm.

⁽¹⁾Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:

- ✓ 100% biodiesel FAME (fatty acid methyl ester)*
- ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

***Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

Transmission

Forward/Reverse		
1st Gear	8 km/h	5.0 mph
2nd Gear with Joystick Steering	15 km/h	9.3 mph
2nd Gear with Steering Wheel	20 km/h	12.4 mph
Creeper Speed		
1st Gear	6 km/h	3.4 mph
2nd Gear	15 km/h	9.3 mph
Drawbar Pull		
Maximum Gradeability (23 500 kg/51,800 lb)	65%	

Service Refill Capacities

Fuel Tank Capacity	350 L	92.5 gal
Cooling System	36 L	9.5 gal
Engine Oil	13 L	3.4 gal
Final Drive (each)	2.5 L	0.7 gal
Hydraulic System (including tank)	345 L	91.1 gal
Hydraulic Tank	155 L	40.9 gal
Rear Axle Differential	14 L	3.7 gal
Steering Axle Differential	10.5 L	2.8 gal
Powershift Transmission	2.5 L	0.7 gal

Swing Mechanism

Swing Speed	8 rpm	
Maximum Swing Torque	55 kN·m	40,700 lbf·ft

Undercarriage

Ground Clearance	330 mm	13.0 in
Maximum Steering Angle	35°	
Oscillation Axle Angle	8.5°	
Minimum Turning Radius		
Outside of Stabilizer	6800 mm	22.3 ft

Operating Weights¹

Minimum	22 400 kg	49,383 lb
Maximum	26 500 kg	58,422 lb
Typical Configurations:		
Waste Handling ²	25 800 kg	56,879 lb
Scrap Handling ³	24 900 kg	54,895 lb

¹ Operating weight includes full fuel tank, operator, 1400 kg (3,086 lb) work tool. Weight varies depending on configuration.

² Waste Handling configuration includes 7.45 m (24'5") Material Handler (MH) boom, 4.3 m (14'1") MH straight stick, 1400 kg (3,100 lb) work tool, 4700 kg (10,350 lb) counterweight, 2.75 m (9'0") wide MH Undercarriage, and solid tires.

³ Scrap Handling configuration includes 6.4 m (21'0") MH boom, 5.0 m (16'5") MH drop nose stick, 1400 kg (3,100 lb) work tool, 4200 kg (9,260 lb) counterweight, Operator Protective Guards (OPG), 15 kW (20 hp) Generator, 2.99 m (9'10") wide MH Undercarriage, and solid tires.

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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
Maximum Pressure – Auxiliary Circuit		
High Pressure	35 000 kPa	5,076 psi
Medium Pressure	17 000 kPa	2,466 psi
Maximum Pressure – Swing Mechanism	39 000 kPa	5,656 psi
Maximum Flow – Implements	306 L/min	81 gal/min
Maximum Flow – Travel Circuit	220 L/min	58 gal/min
Maximum Flow – Auxiliary Circuit		
High Pressure	255 L/min	67.4 gal/min
Medium Pressure	55 L/min	14.5 gal/min
Maximum Flow – Swing Mechanism	95 L/min	25.1 gal/min
Boom Cylinder (MH) – Bore	130 mm	5 in
Boom Cylinder (MH) – Stroke	983 mm	39 in
Stick Cylinder (MH) – Bore	110 mm	4 in
Stick Cylinder (MH) – Stroke	1226 mm	48 in
Bucket Cylinder – Bore	110 mm	4 in
Bucket Cylinder – Stroke	1077 mm	42 in

Tires

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

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 7096:2020-spectral class EM5	<0.7	

Standards

Brakes	ISO 3450:2011
Cab/Tip Over Protective Structure (TOPS)	EN474-5:2006 + A3:2013
Operator Protective Guards (OPG) (optional)	SAE J1356 SEPT2022 ISO 10262-1998 LV 2
Cab/Sound Levels	Meets appropriate standards as listed below

Sound Performance

ISO 6395:2008 external	99 dB(A)
ISO 6396:2008 internal	70 dB(A)

- External Sound – The labeled spectator sound power level represents the Guaranteed Value per 2000/14/EC amended by 2005/88/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- 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).
- Blue Angel certified.

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.05 kg of refrigerant, which has a CO₂ equivalent of 1.502 metric tonnes.

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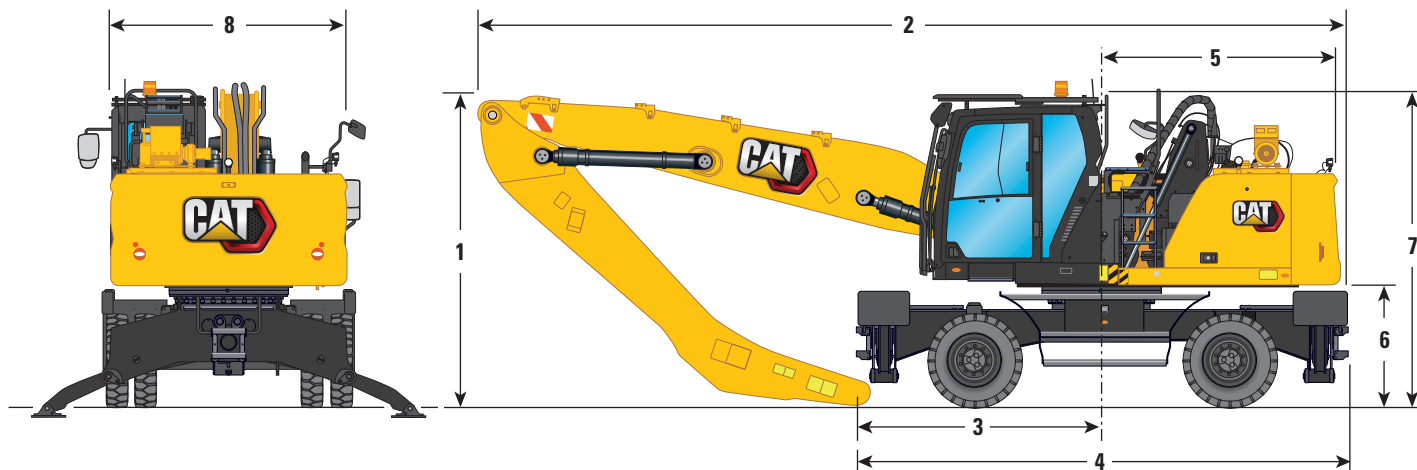
Major Component Weights

	kg	lb
Booms (including boom and stick cylinders, pins and standard hydraulic lines):		
6.4 m (21'0") MH Boom	2550	5,600
7.45 m (24'5") MH Boom	2800	6,150
Sticks (including bucket cylinder and linkage [if equipped], pins and standard hydraulic lines):		
5.0 m (16'5") MH Drop Nose Stick	1150	2,550
4.3 m (14'1") MH Straight Stick	1400	3,100
Counterweights:		
4.2 mt (9,260 lb) Counterweight	4200	9,260
4.7 mt (10,350 lb) Counterweight	4700	10,350
Undercarriage (including axles and steps):		
2.75 m (9'0") MH Undercarriage	5950	13,100
2.75 m (9'0") MH Undercarriage with Push Blade	6450	14,200
2.99 m (9'10") MH Undercarriage	6000	13,250
2.99 m (9'10") MH Undercarriage with Push Blade	6550	14,450
Tires:		
Air Tires (11.00-20 dual)	1000	2,200
Solid Tires (10.00-20 dual)	1800	3,950
Work Tools (including mounting bracket):		
Waste Handling Grapple G318 (0.8 m ³ , 1.00 yd ³)	1650	3,650
Orange Peel Grapple GSH420S (0.6 m ³ , 0.75 yd ³)	1250	2,750
Orange Peel Grapple GSH520S (0.6 m ³ , 0.75 yd ³)	1500	3,300
Orange Peel Grapple GSV520S (0.6 m ³ , 0.75 yd ³)	1350	3,000
Transfer Clamshell Grapple CTV15 (1 m ³ , 1.25 yd ³)	1400	3,100
Pin-On Bucket	700	1,550
CW Bucket	700	1,550
Quick Couplers (QC):		
CW Dedicated QC	250	550
Pin Grabber QC	400	900
Other:		
15 kW (20 hp) Generator	400	900
Operator Protective Guards (OPG)	150	350

MH3024 Material Handler Specifications

Dimensions

All dimensions are approximate and may vary depending on grapple selection. Values are with 10.00-20 solid tires.

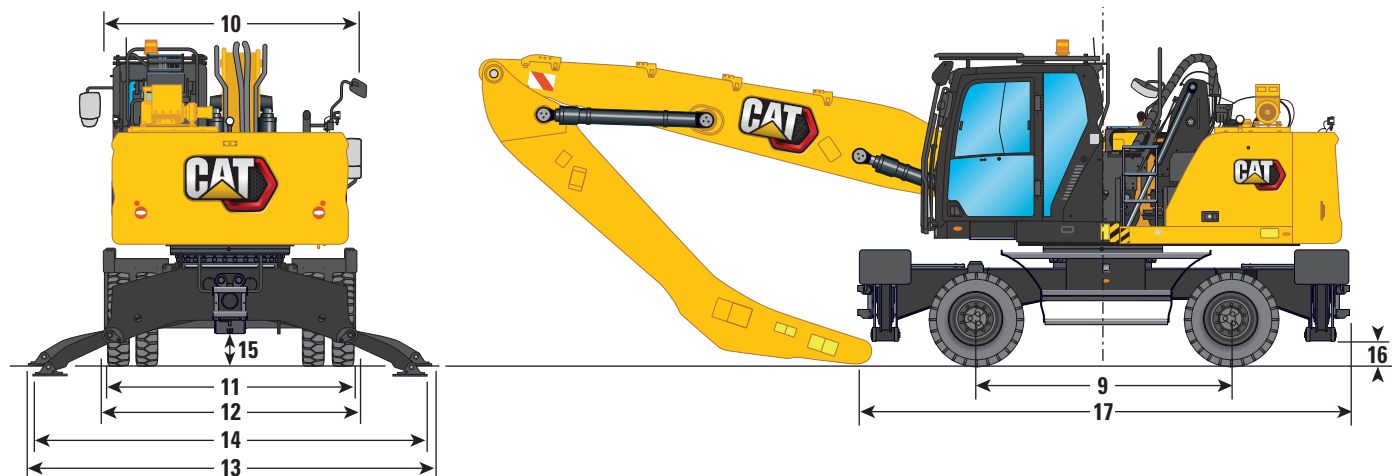


Boom Options	MH Boom 6.4 m (21'0")				MH Boom 7.45 m (24'5")			
	Drop Nose 5.0 m (16'5")		Straight 4.3 m (14'1")		Drop Nose 5.0 m (16'5")		Straight 4.3 m (14'1")	
1 Shipping Height with OPG (highest point between boom and cab)	3350 mm	11'0"	3350 mm	11'0"	3350 mm	11'0"	3350 mm	11'0"
2 Shipping Length								
2.75 m (9'0") MH Undercarriage	9590 mm	31'6"	9650 mm	31'8"	10 670 mm	35'0"	10 710 mm	35'2"
2.75 m (9'0") MH Undercarriage with Push Blade	10 050 mm	33'0"	10 050 mm	33'0"	11 130 mm	36'6"	10 710 mm	35'2"
2.99 m (9'10") MH Undercarriage	9590 mm	31'6"	9650 mm	31'8"	10 670 mm	35'0"	10 710 mm	35'2"
2.99 m (9'10") MH Undercarriage with Push Blade	10 050 mm	33'0"	10 050 mm	33'0"	11 130 mm	36'6"	10 710 mm	35'2"
3 Support Point	2240 mm	7'4"	2930 mm	9'7"	3190 mm	10'6"	3640 mm	11'11"
4 Machine Length								
2.75 m (9'0") MH Undercarriage	5290 mm	17'4"	5290 mm	17'4"	5290 mm	17'4"	5290 mm	17'4"
2.75 m (9'0") MH Undercarriage with Push Blade	5740 mm	18'10"	5740 mm	18'10"	5740 mm	18'10"	5740 mm	18'10"
2.99 m (9'10") MH Undercarriage	5290 mm	17'4"	5290 mm	17'4"	5290 mm	17'4"	5290 mm	17'4"
2.99 m (9'10") MH Undercarriage with Push Blade	5740 mm	18'10"	5740 mm	18'10"	5740 mm	18'10"	5740 mm	18'10"
5 Tail Swing Radius	2600 mm	8'6"	2600 mm	8'6"	2600 mm	8'6"	2600 mm	8'6"
6 Counterweight Clearance	1300 mm	4'3"	1300 mm	4'3"	1300 mm	4'3"	1300 mm	4'3"
7 Cab Height								
Cab Lowered – without OPG	3350 mm	11'0"	3350 mm	11'0"	3350 mm	11'0"	3350 mm	11'0"
With Roof Wiper Guard	3470 mm	11'5"	3470 mm	11'5"	3470 mm	11'5"	3470 mm	11'5"
Cab Lowered – with OPG	3350 mm	11'0"	3350 mm	11'0"	3350 mm	11'0"	3350 mm	11'0"
Cab Raised – without OPG	5750 mm	18'10"	5750 mm	18'10"	5750 mm	18'10"	5750 mm	18'10"
Cab Raised – with OPG	5750 mm	18'10"	5750 mm	18'10"	5750 mm	18'10"	5750 mm	18'10"
With Roof Wiper Guard	5870 mm	19'3"	5870 mm	19'3"	5870 mm	19'3"	5870 mm	19'3"
8 Upperframe Width								
Including Handrails	2540 mm	8'4"	2540 mm	8'4"	2540 mm	8'4"	2540 mm	8'4"

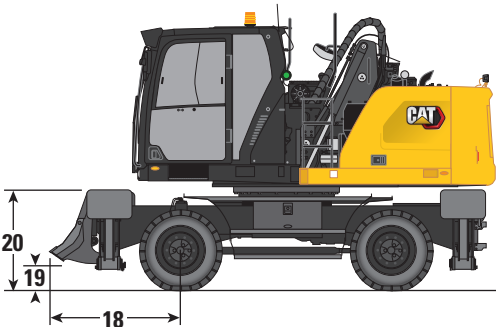
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Undercarriage Dimensions

All dimensions are approximate and may vary depending on grapple selection. Values are with 10.00-20 solid tires.



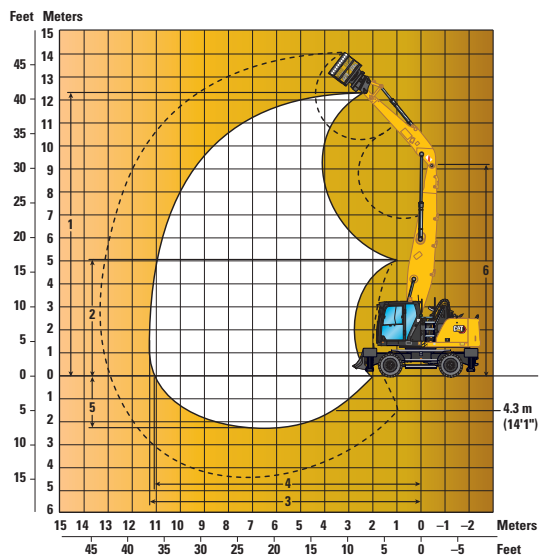
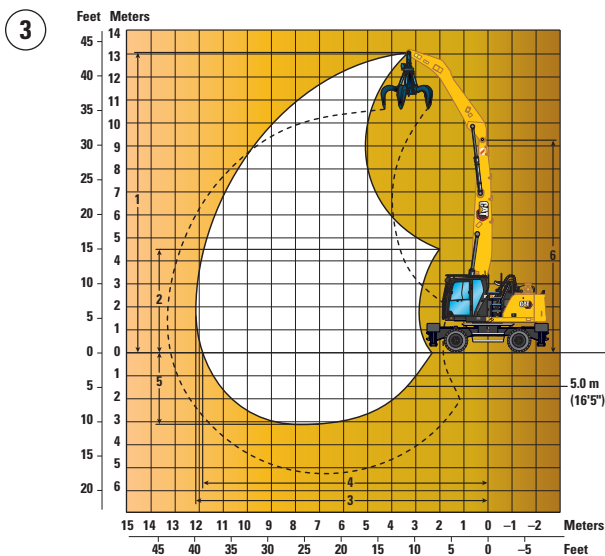
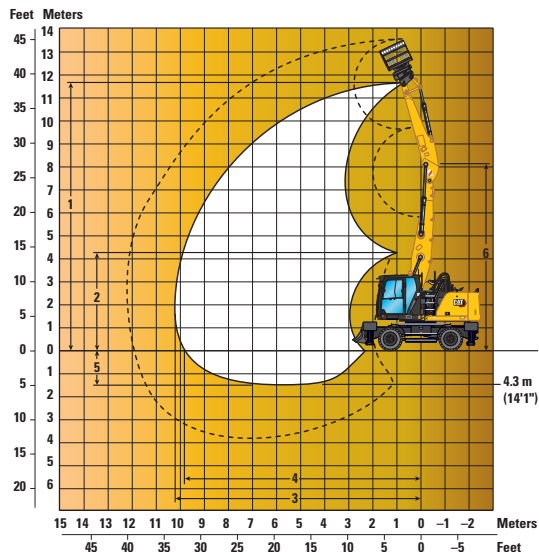
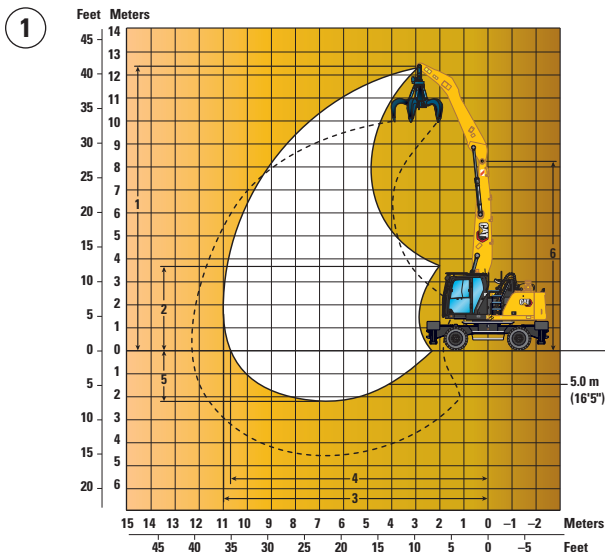
Undercarriage	2.75 m (9'0")		2.99 m (9'10")	
9 Wheel Base	2750 mm	9'0"	2750 mm	9'0"
10 Shipping Width	2750 mm	9'0"	2990 mm	9'10"
Undercarriage Width				
11 Outside Tires	2650 mm	8'8"	2650 mm	8'8"
12 With Outriggers Up	2740 mm	9'0"	2990 mm	9'10"
13 With Outriggers on Ground	4330 mm	14'2"	4580 mm	15'0"
14 With Outriggers Fully Down	4260 mm	14'0"	4510 mm	14'10"
Maximum Outrigger Depth	90 mm	0'4"	90 mm	0'4"
Clearance to Ground				
15 Axle Clearance	320 mm	1'1"	320 mm	1'1"
16 Outrigger Clearance	240 mm	0'9"	240 mm	0'9"
Undercarriage Length				
17 Without Push Blade	5300 mm	17'5"	5300 mm	17'5"
With Push Blade	5740 mm	18'10"	5740 mm	18'10"
Push Blade				
18 Front Axle to Blade (end)	1950 mm	6'5"	1950 mm	6'5"
19 Clearance to Ground	320 mm	1'1"	320 mm	1'1"
20 Height	930 mm	3'1"	930 mm	3'1"
Width	2740 mm	9'0"	2990 mm	9'10"



MH3024 Material Handler Specifications

Working Ranges

All dimensions are approximate and may vary depending on grapple selection.



Boom Options

MH Boom
6.4 m (21'0")

MH Boom
7.45 m (24'5")

Stick Options

	1		2		3		4	
	Drop Nose 5.0 m (16'5")		Straight 4.3 m (14'1")		Drop Nose 5.0 m (16'5")		Straight 4.3 m (14'1")	
1 Maximum Height	12 390 mm	40'8"	11 710 mm	38'5"	13 030 mm	42'9"	12 380 mm	40'7"
2 Minimum Dump Height	3730 mm	12'3"	4290 mm	14'1"	4520 mm	14'10"	5130 mm	16'10"
3 Maximum Reach	11 000 mm	36'1"	10 280 mm	33'9"	12 010 mm	39'5"	11 300 mm	37'1"
4 Maximum Reach at Ground Line	10 670 mm	35'0"	9800 mm	32'2"	11 870 mm	38'11"	11 140 mm	36'7"
5 Maximum Depth	2200 mm	7'3"	1500 mm	4'11"	3010 mm	9'11"	2310 mm	7'7"
6 Maximum Boom Pin Height	8200 mm	26'11"	8200 mm	26'11"	9260 mm	30'5"	9260 mm	30'5"

All dimensions refer to stick nose pin, with solid tires 10.00-20.
These dimensions are independent from the undercarriage type.

MH3024 Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab rise, solid tires, with counterweight (4700 kg), heavy lift on.

 Load point height			 Load over front			 Load over rear			 Load over side			 Load at maximum reach (stick nose/bucket pin)															
Undercarriage 2.75 m or 2.99 m (MH)		Boom 7.45 m (MH)									Stick 5.0 m (Drop Nose)																
	Undercarriage configuration	  			  			  			  									mm							
																											
12 000 mm	Free on Wheels							*5550	*5550	4900																	
	2.75 m MH – 2 sets stabilizers – lowered							*5550	*5550	*5550																	
	2.99 m MH – 2 sets stabilizers – lowered							*5550	*5550	*5550																	
10 500 mm	Free on Wheels							6700	6750	5150	4600	4600	3500														
	2.75 m MH – 2 sets stabilizers – lowered							*7100	*7100	*7100	*5700	*5700	*5700														
	2.99 m MH – 2 sets stabilizers – lowered							*7100	*7100	*7100	*5700	*5700	*5700														
9000 mm	Free on Wheels							6750	6750	5150	4650	4650	3550	3350	3400	2500											
	2.75 m MH – 2 sets stabilizers – lowered							*7950	*7950	*7950	*6700	*6700	*6700	*5350	*5350	5150											
	2.99 m MH – 2 sets stabilizers – lowered							*7950	*7950	*7950	*6700	*6700	*6700	*5350	*5350	*5350											
7500 mm	Free on Wheels							6650	6650	5050	4600	4600	3500	3350	3350	2500	2500	2500	1850								
	2.75 m MH – 2 sets stabilizers – lowered							*8050	*8050	*8050	*6750	*6750	*6750	*5750	*5750	5150	*4250	*4250	3900								
	2.99 m MH – 2 sets stabilizers – lowered							*8050	*8050	*8050	*6750	*6750	*6750	*5750	*5750	5550	*4250	*4250	*4250								
6000 mm	Free on Wheels				10 250	10 300	7650	6400	6400	4850	4450	4450	3350	3300	3300	2450	2500	2500	1800								
	2.75 m MH – 2 sets stabilizers – lowered				*10 450	*10 450	*10 450	*8350	*8350	*8350	*6850	*6850	6800	*5800	*5800	5050	*4900	*4900	3900								
	2.99 m MH – 2 sets stabilizers – lowered				*10 450	*10 450	*10 450	*8350	*8350	*8350	*6850	*6850	*6850	*5800	*5800	5450	*4900	*4900	4250								
4500 mm	Free on Wheels	*15 350	*15 350	13 400	9500	9550	7000	6000	6050	4500	4250	4250	3150	3150	3150	2300	2450	2450	1750								
	2.75 m MH – 2 sets stabilizers – lowered	*15 350	*15 350	*15 350	*11 500	*11 500	*11 500	*8750	*8750	*8750	*7000	*7000	6600	*5800	*5800	4900	*4850	*4850	3850								
	2.99 m MH – 2 sets stabilizers – lowered	*15 350	*15 350	*15 350	*11 500	*11 500	*11 500	*8750	*8750	*8750	*7000	*7000	*7000	*5800	*5800	5350	*4850	*4850	4150								
3000 mm	Free on Wheels				8500	8550	6100	5550	5550	4050	4000	4000	2900	3000	3000	2200	2350	2350	1650								
	2.75 m MH – 2 sets stabilizers – lowered				*12 250	*12 250	*12 250	*9000	*9000	8950	*7100	*7100	6300	*5750	*5750	4750	*4700	*4700	3750								
	2.99 m MH – 2 sets stabilizers – lowered				*12 250	*12 250	*12 250	*9000	*9000	*9000	*7100	*7100	6850	*5750	*5750	5150	*4700	*4700	4050								
1500 mm	Free on Wheels				7650	7650	5300	5100	5150	3650	3750	3750	2650	2850	2850	2050	2250	2250	1600	1800	1850	1250	1800	1850	1250		
	2.75 m MH – 2 sets stabilizers – lowered				*8200	*8200	*8200	*8850	*8850	8450	*6900	*6900	6000	*5550	*5550	4600	*4400	*4400	3650	*3250	*3250	3000	*3250	*3250	2950		
	2.99 m MH – 2 sets stabilizers – lowered				*8200	*8200	*8200	*8850	*8850	*8850	*6900	*6900	6600	*5550	*5550	5000	*4400	*4400	3950	*3250	*3250	*3250	*3250	*3250	*3250		
0 mm	Free on Wheels				*5450	*5450	4850	4800	4800	3350	3550	3550	2500	2750	2750	1900	2200	2200	1500								
	2.75 m MH – 2 sets stabilizers – lowered				*5450	*5450	*5450	*8100	*8100	8100	*6400	*6400	5800	*5050	*5050	4450	*3950	*3950	3550								
	2.99 m MH – 2 sets stabilizers – lowered				*5450	*5450	*5450	*8100	*8100	*8100	*6400	*6400	6350	*5050	*5050	4850	*3950	*3950	3900								
-1500 mm	Free on Wheels				*5500	*5500	4700	4600	4650	3200	3400	3450	2350	2650	2650	1850	2150	2150	1500								
	2.75 m MH – 2 sets stabilizers – lowered				*5500	*5500	*5500	*6700	*6700	*6700	*5450	*5450	*5450	*4300	*4300	*4300	*3150	*3150	*3150								
	2.99 m MH – 2 sets stabilizers – lowered				*5500	*5500	*5500	*6700	*6700	*6700	*5450	*5450	*5450	*4300	*4300	*4300	*3150	*3150	*3150								
-3000 mm	Free on Wheels										3350	3400	2300														
	2.75 m MH – 2 sets stabilizers – lowered										*4000	*4000	*4000														
	2.99 m MH – 2 sets stabilizers – lowered										*4000	*4000	*4000														

*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.

MH3024 Material Handler Specifications

Lift Capacities

All values are in lb, work tool: none, hydraulic cab rise, solid tires, with counterweight (10,370 lb), heavy lift on.

 Load point height		 Load over front			 Load over rear			 Load over side			 Load at maximum reach (stick nose/bucket pin)															
Undercarriage 9'0" or 9'10" (MH)		Boom 24'5" (MH)									Stick 16'5" (Drop Nose)															
	Undercarriage configuration	 10 ft			 15 ft			 20 ft			 25 ft			30 ft			35 ft						ft			
																										
40 ft	Free on Wheels																									
	9'0" MH – 2 sets stabilizers – lowered																								19.23	
	9'10" MH – 2 sets stabilizers – lowered																									
35 ft	Free on Wheels							14,400	14,400	11,000	9,800	9,800	7,400										8,900	8,900	6,700	
	9'0" MH – 2 sets stabilizers – lowered							*15,300	*15,300	*15,300	*11,700	*11,700	*11,700										*10,100	*10,100	*10,100	26.35
	9'10" MH – 2 sets stabilizers – lowered							*15,300	*15,300	*15,300	*11,700	*11,700	*11,700										*10,100	*10,100	*10,100	
30 ft	Free on Wheels							14,500	14,500	11,100	10,000	10,000	7,600	7,200	7,200	5,400							6,700	6,700	5,000	
	9'0" MH – 2 sets stabilizers – lowered							*17,300	*17,300	*17,300	*14,600	*14,600	*14,600	*10,800	*10,800	*10,800							*9,400	*9,400	*9,400	31.07
	9'10" MH – 2 sets stabilizers – lowered							*17,300	*17,300	*17,300	*14,600	*14,600	*14,600	*10,800	*10,800	*10,800							*9,400	*9,400	*9,400	
25 ft	Free on Wheels							14,300	14,300	10,900	9,900	9,900	7,500	7,200	7,200	5,400							5,500	5,600	4,000	
	9'0" MH – 2 sets stabilizers – lowered							*17,500	*17,500	*17,500	*14,700	*14,700	*14,700	*12,500	*12,500	11,000							*9,000	*9,000	8,600	34.42
	9'10" MH – 2 sets stabilizers – lowered							*17,500	*17,500	*17,500	*14,700	*14,700	*14,700	*12,500	*12,500	11,900							*9,000	*9,000	*9,000	
20 ft	Free on Wheels				22,100	22,200	16,500	13,800	13,800	10,400	9,600	9,600	7,200	7,000	7,100	5,200	5,300	5,400	3,900	4,800	4,900	3,500				
	9'0" MH – 2 sets stabilizers – lowered				*22,800	*22,800	*22,800	*18,100	*18,100	*18,100	*14,900	*14,900	14,700	*12,600	*12,600	10,800	*10,600	*10,600	8,400	*8,900	*8,900	7,700				36.78
	9'10" MH – 2 sets stabilizers – lowered				*22,800	*22,800	*22,800	*18,100	*18,100	*18,100	*14,900	*14,900	*14,900	*12,600	*12,600	11,800	*10,600	*10,600	9,100	*8,900	*8,900	8,300				
15 ft	Free on Wheels	*32,000	*32,000	29,000	20,500	20,600	15,100	13,000	13,000	9,700	9,100	9,200	6,800	6,800	6,800	5,000	5,200	5,200	3,700	4,400	4,400	3,100				
	9'0" MH – 2 sets stabilizers – lowered	*32,000	*32,000	*32,000	*24,900	*24,900	*24,900	*18,900	*18,900	*18,900	*15,200	*15,200	14,200	*12,600	*12,600	10,600	10,400	*10,400	8,200	*8,900	*8,900	7,000				38.35
	9'10" MH – 2 sets stabilizers – lowered	*32,000	*32,000	*32,000	*24,900	*24,900	*24,900	*18,900	*18,900	*18,900	*15,200	*15,200	*15,200	*12,600	*12,600	11,500	*10,400	*10,400	8,900	*8,900	*8,900	7,700				
10 ft	Free on Wheels				18,400	18,400	13,200	12,000	12,000	8,700	8,600	8,600	6,300	6,500	6,500	4,700	5,000	5,100	3,600	4,100	4,200	2,900				
	9'0" MH – 2 sets stabilizers – lowered				*26,500	*26,500	*26,500	*19,500	*19,500	19,300	*15,300	*15,300	13,600	*12,400	*12,400	10,200	*10,100	*10,100	8,000	*8,100	*8,100	6,700				39.21
	9'10" MH – 2 sets stabilizers – lowered				*26,500	*26,500	*26,500	*19,500	*19,500	19,500	*15,300	*15,300	14,800	*12,400	*12,400	11,100	*10,100	*10,100	8,800	*8,100	*8,100	7,300				
5 ft	Free on Wheels				16,500	16,500	11,400	11,000	11,100	7,900	8,000	8,100	5,800	6,200	6,200	4,400	4,900	4,900	3,400	4,000	4,000	2,800				
	9'0" MH – 2 sets stabilizers – lowered				*19,900	*19,900	*19,900	*19,200	*19,200	18,200	*15,000	*15,000	13,000	*12,000	*12,000	9,900	*9,500	*9,500	7,900	*7,100	*7,100	6,600				39.40
	9'10" MH – 2 sets stabilizers – lowered				*19,900	*19,900	*19,900	*19,200	*19,200	19,200	*15,000	*15,000	14,200	*12,000	*12,000	10,800	*9,500	*9,500	8,600	*7,100	*7,100	7,100				
0 ft	Free on Wheels				*12,700	*12,700	10,500	10,300	10,400	7,200	7,600	7,700	5,400	5,900	5,900	4,100	4,700	4,700	3,300	4,000	4,000	2,800				
	9'0" MH – 2 sets stabilizers – lowered				*12,700	*12,700	*12,700	*17,600	*17,600	17,400	*13,800	*13,800	12,500	*10,900	*10,900	9,600	*8,400	*8,400	7,700	*6,100	*6,100	*6,100				38.94
	9'10" MH – 2 sets stabilizers – lowered				*12,700	*12,700	*12,700	*17,600	*17,600	*17,600	*13,800	*13,800	13,700	*10,900	*10,900	10,500	*8,400	*8,400	8,400	*6,100	*6,100	*6,100				
-5 ft	Free on Wheels				*12,600	*12,600	10,100	10,000	10,000	6,900	7,400	7,400	5,100	5,700	5,800	4,000	4,600	4,700	3,200							
	9'0" MH – 2 sets stabilizers – lowered				*12,600	*12,600	*12,600	*14,500	*14,500	*14,500	*11,700	*11,700	*11,700	*9,200	*9,200	*9,200	*6,600	*6,600	*6,600							
	9'10" MH – 2 sets stabilizers – lowered				*12,600	*12,600	*12,600	*14,500	*14,500	*14,500	*11,700	*11,700	*11,700	*9,200	*9,200	*9,200	*6,600	*6,600	*6,600							

*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.

MH3024 Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab rise, solid tires, with counterweight (4700 kg), heavy lift on.

	Load point height		Load over front		Load over rear		Load over side		Load at maximum reach (stick nose/bucket pin)															
Undercarriage 2.75 m or 2.99 m (MH)		Boom 6.4 m (MH)									Stick 5.0 m (Drop Nose)													
	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			9000 mm			10 500 mm						mm	
																								
12 000 mm	Free on Wheels	*7650	*7650	*7650																	*6500	*6500	*6500	3820
	2.75 m MH – 2 sets stabilizers – lowered	*7650	*7650	*7650																	*6500	*6500	*6500	
	2.99 m MH – 2 sets stabilizers – lowered	*7650	*7650	*7650																	*6500	*6500	*6500	
10 500 mm	Free on Wheels				*7500	*7500	*7500	*5950	*5950	5000											*4900	*4900	4200	6640
	2.75 m MH – 2 sets stabilizers – lowered				*7500	*7500	*7500	*5950	*5950	*5950											*4900	*4900	*4900	
	2.99 m MH – 2 sets stabilizers – lowered				*7500	*7500	*7500	*5950	*5950	*5950											*4900	*4900	*4900	
9000 mm	Free on Wheels							6700	6750	5150	4600	4650	3500								3900	3900	2950	8270
	2.75 m MH – 2 sets stabilizers – lowered							*7350	*7350	*7350	*5800	*5800	*5800								*4400	*4400	*4400	
	2.99 m MH – 2 sets stabilizers – lowered							*7350	*7350	*7350	*5800	*5800	*5800								*4400	*4400	*4400	
7500 mm	Free on Wheels							6700	6700	5150	4650	4650	3550	3400	3400	2550					3150	3150	2350	9390
	2.75 m MH – 2 sets stabilizers – lowered							*8000	*8000	*8000	*6900	*6900	*6900	*5050	*5050	*5050					*4150	*4150	*4150	
	2.99 m MH – 2 sets stabilizers – lowered							*8000	*8000	*8000	*6900	*6900	*6900	*5050	*5050	*5050					*4150	*4150	*4150	
6000 mm	Free on Wheels				*9300	*9300	7900	6550	6600	5000	4550	4600	3450	3350	3400	2550					2700	2700	2000	10 160
	2.75 m MH – 2 sets stabilizers – lowered				*9300	*9300	*9300	*8250	*8250	*8250	*6950	*6950	6950	*5950	*5950	5100					*4050	*4050	*4050	
	2.99 m MH – 2 sets stabilizers – lowered				*9300	*9300	*9300	*8250	*8250	*8250	*6950	*6950	*6950	*5950	*5950	5550					*4050	*4050	*4050	
4500 mm	Free on Wheels				10 000	10 050	7450	6300	6300	4750	4400	4450	3350	3300	3300	2450	2550	2550	1850	2450	2450	1800	10 670	
	2.75 m MH – 2 sets stabilizers – lowered				*10 950	*10 950	*10 950	*8650	*8650	*8650	*7150	*7150	6750	*6000	*6000	5050	*4600	*4600	3900	*4100	*4100	3800		
	2.99 m MH – 2 sets stabilizers – lowered				*10 950	*10 950	*10 950	*8650	*8650	*8650	*7150	*7150	*7150	*6000	*6000	5450	*4600	*4600	4250	*4100	*4100	*4100		
3000 mm	Free on Wheels	*18 200	*18 200	12 750	9250	9300	6800	5950	5950	4400	4200	4250	3150	3200	3200	2350	2500	2500	1800	2300	2300	1650	10 940	
	2.75 m MH – 2 sets stabilizers – lowered	*18 200	*18 200	*18 200	*12 100	*12 100	*12 100	*9100	*9100	*9100	*7250	*7250	6550	*5950	*5950	4900	*4750	*4750	3850	*4200	*4200	3600		
	2.99 m MH – 2 sets stabilizers – lowered	*18 200	*18 200	*18 200	*12 100	*12 100	*12 100	*9100	*9100	*9100	*7250	*7250	7100	*5950	*5950	5350	*4750	*4750	4200	*4200	*4200	3950		
1500 mm	Free on Wheels	*5550	*5550	*5550	8450	8500	6050	5550	5550	4050	4050	2950	3050	3100	2250	2400	2450	1750	2250	2250	1600	11 000		
	2.75 m MH – 2 sets stabilizers – lowered	*5550	*5550	*5550	*12 650	*12 650	*12 650	*9300	*9300	8950	*7250	*7250	6300	*5750	*5750	4800	*4450	*4450	3800	*3900	*3900		3550	
	2.99 m MH – 2 sets stabilizers – lowered	*5550	*5550	*5550	*12 650	*12 650	*12 650	*9300	*9300	*9300	*7250	*7250	6900	*5750	*5750	5200	*4450	*4450	4150	*3900	*3900		3850	
0 mm	Free on Wheels	*3850	*3850	*3850	7900	7950	5550	5250	5250	3800	3850	3850	2800	2950	3000	2150	2350	2400	1700					
	2.75 m MH – 2 sets stabilizers – lowered	*3850	*3850	*3850	*12 000	*12 000	*12 000	*8850	*8850	8600	*6850	*6850	6100	*5300	*5300	4700	*3850	*3850	3750					
	2.99 m MH – 2 sets stabilizers – lowered	*3850	*3850	*3850	*12 000	*12 000	*12 000	*8850	*8850	*8850	*6850	*6850	6700	*5300	*5300	5100	*3850	*3850	*3850					
-1500 mm	Free on Wheels				7650	7650	5300	5050	5100	3600	3700	3750	2650	2900	2900	2100								
	2.75 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*7700	*7700	*7700	*5900	*5900	*5900	*4400	*4400	*4400								
	2.99 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*7700	*7700	*7700	*5900	*5900	*5900	*4400	*4400	*4400								

*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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MH3024 Material Handler Specifications

Lift Capacities

All values are in lb, work tool: none, hydraulic cab rise, solid tires, with counterweight (10,370 lb), heavy lift on.

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

Undercarriage

9'0" or 9'10" (MH)

Boom

21'0" (MH)

Stick

16'5" (Drop Nose)

	Undercarriage configuration	10 ft			15 ft			20 ft			25 ft			30 ft			35 ft						ft
																							
40 ft	Free on Wheels	*16,100	*16,100	*16,100																*15,500	*15,500	*15,500	10.60
	9'0" MH – 2 sets stabilizers – lowered	*16,100	*16,100	*16,100																*15,500	*15,500	*15,500	
	9'10" MH – 2 sets stabilizers – lowered	*16,100	*16,100	*16,100																*15,500	*15,500	*15,500	
35 ft	Free on Wheels				*16,100	*16,100	*16,100	*12,200	*12,200	10,700										*11,000	*11,000	9,800	21.00
	9'0" MH – 2 sets stabilizers – lowered				*16,100	*16,100	*16,100	*12,200	*12,200	*12,200										*11,000	*11,000	*11,000	
	9'10" MH – 2 sets stabilizers – lowered				*16,100	*16,100	*16,100	*12,200	*12,200	*12,200										*11,000	*11,000	*11,000	
30 ft	Free on Wheels							14,400	14,400	11,000	9,900	9,900	7,500							8,800	8,800	6,600	26.71
	9'0" MH – 2 sets stabilizers – lowered							*15,800	*15,800	*15,800	*12,000	*12,000	*12,000							*9,700	*9,700	*9,700	
	9'10" MH – 2 sets stabilizers – lowered							*15,800	*15,800	*15,800	*12,000	*12,000	*12,000							*9,700	*9,700	*9,700	
25 ft	Free on Wheels							14,400	14,400	11,000	10,000	10,000	7,600	7,200	7,300	5,400				7,000	7,000	5,200	30.58
	9'0" MH – 2 sets stabilizers – lowered							*17,500	*17,500	*17,500	*15,000	*15,000	*15,000	*10,100	*10,100	*10,100				*9,200	*9,200	*9,200	
	9'10" MH – 2 sets stabilizers – lowered							*17,500	*17,500	*17,500	*15,000	*15,000	*15,000	*10,100	*10,100	*10,100				*9,200	*9,200	*9,200	
20 ft	Free on Wheels				*20,400	*20,400	17,100	14,100	14,200	10,800	9,800	9,900	7,500	7,200	7,300	5,400				6,000	6,000	4,400	33.20
	9'0" MH – 2 sets stabilizers – lowered				*20,400	*20,400	*20,400	*17,900	*17,900	*17,900	*15,200	*15,200	14,900	*13,000	*13,000	11,000				*8,900	*8,900	*8,900	
	9'10" MH – 2 sets stabilizers – lowered				*20,400	*20,400	*20,400	*17,900	*17,900	*17,900	*15,200	*15,200	*15,200	*13,000	*13,000	11,900				*8,900	*8,900	*8,900	
15 ft	Free on Wheels				21,600	21,700	16,100	13,600	13,600	10,300	9,500	9,600	7,200	7,100	7,100	5,300				5,400	5,500	4,000	34.94
	9'0" MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*18,800	*18,800	*18,800	*15,500	*15,500	14,600	*13,000	*13,000	10,800				*9,000	*9,000	8,400	
	9'10" MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*18,800	*18,800	*18,800	*15,500	*15,500	*15,500	*13,000	*13,000	11,700				*9,000	*9,000	*9,000	
10 ft	Free on Wheels	*39,300	*39,300	27,500	20,000	20,100	14,700	12,800	12,800	9,500	9,100	9,100	6,800	6,800	6,900	5,100	5,300	5,300	3,900	5,100	5,100	3,700	35.86
	9'0" MH – 2 sets stabilizers – lowered	*39,300	*39,300	*39,300	*26,100	*26,100	*26,100	*19,700	*19,700	*19,700	*15,800	*15,800	14,100	*12,900	*12,900	10,600	*10,200	*10,200	8,300	*9,200	*9,200	8,000	
	9'10" MH – 2 sets stabilizers – lowered	*39,300	*39,300	*39,300	*26,100	*26,100	*26,100	*19,700	*19,700	*19,700	*15,800	*15,800	15,300	*12,900	*12,900	11,500	*10,200	*10,200	9,000	*9,200	*9,200	8,700	
5 ft	Free on Wheels	*13,300	*13,300	*13,300	18,200	18,300	13,100	12,000	12,000	8,800	8,700	8,700	6,400	6,600	6,600	4,800	5,200	5,200	3,800	5,000	5,000	3,600	36.09
	9'0" MH – 2 sets stabilizers – lowered	*13,300	*13,300	*13,300	*27,500	*27,500	*27,500	*20,100	*20,100	19,200	*15,700	*15,700	13,600	*12,500	*12,500	10,300	*9,500	*9,500	8,200	*8,700	*8,700	7,800	
	9'10" MH – 2 sets stabilizers – lowered	*13,300	*13,300	*13,300	*27,500	*27,500	*27,500	*20,100	*20,100	*20,100	*15,700	*15,700	14,800	*12,500	*12,500	11,200	*9,500	*9,500	8,900	*8,700	*8,700	8,500	
0 ft	Free on Wheels	*8,700	*8,700	*8,700	17,000	17,100	12,000	11,300	11,400	8,100	8,300	8,300	6,000	6,400	6,400	4,600	5,100	5,100	3,700				
	9'0" MH – 2 sets stabilizers – lowered	*8,700	*8,700	*8,700	*26,000	*26,000	*26,000	*19,200	*19,200	18,500	*14,800	*14,800	13,200	*11,400	*11,400	10,100	*8,000	*8,000	*8,000				
	9'10" MH – 2 sets stabilizers – lowered	*8,700	*8,700	*8,700	*26,000	*26,000	*26,000	*19,200	*19,200	*19,200	*14,800	*14,800	14,400	*11,400	*11,400	11,000	*8,000	*8,000	*8,000				
-5 ft	Free on Wheels				16,400	16,500	11,400	10,900	11,000	7,800	8,000	8,100	5,800										
	9'0" MH – 2 sets stabilizers – lowered				*21,500	*21,500	*21,500	*16,600	*16,600	*16,600	*12,700	*12,700	*12,700										
	9'10" MH – 2 sets stabilizers – lowered				*21,500	*21,500	*21,500	*16,600	*16,600	*16,600	*12,700	*12,700	*12,700										

*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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MH3024 Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab rise, solid tires, with counterweight (4200 kg), heavy lift on.

 Load point height				 Load over front				 Load over rear				 Load over side				 Load at maximum reach (stick nose/bucket pin)							
Undercarriage 2.75 m or 2.99 m (MH)				Boom 6.4 m (MH)								Stick 5.0 m (Drop Nose)											
	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			9000 mm			10 500 mm						mm
																							
12 000 mm	Free on Wheels	*7650	*7650	*7650																*6500	*6500	*6500	3820
	2.75 m MH – 2 sets stabilizers – lowered	*7650	*7650	*7650																*6500	*6500	*6500	
	2.99 m MH – 2 sets stabilizers – lowered	*7650	*7650	*7650																*6500	*6500	*6500	
10 500 mm	Free on Wheels				*7500	*7500	*7500	*5950	*5950	4750										*4900	*4900	4000	6640
	2.75 m MH – 2 sets stabilizers – lowered				*7500	*7500	*7500	*5950	*5950	*5950										*4900	*4900	*4900	
	2.99 m MH – 2 sets stabilizers – lowered				*7500	*7500	*7500	*5950	*5950	*5950										*4900	*4900	*4900	
9000 mm	Free on Wheels							6400	6450	4900	4400	4400	3350							3700	3700	2750	8270
	2.75 m MH – 2 sets stabilizers – lowered							*7350	*7350	*7350	*5800	*5800	*5800							*4400	*4400	*4400	
	2.99 m MH – 2 sets stabilizers – lowered							*7350	*7350	*7350	*5800	*5800	*5800							*4400	*4400	*4400	
7500 mm	Free on Wheels							6400	6400	4900	4400	4450	3350	3200	3200	2400				2950	2950	2200	9390
	2.75 m MH – 2 sets stabilizers – lowered							*8000	*8000	*8000	*6900	*6900	6700	*5050	*5050	4900				*4150	*4150	*4150	
	2.99 m MH – 2 sets stabilizers – lowered							*8000	*8000	*8000	*6900	*6900	*6900	*5050	*5050	*5050				*4150	*4150	*4150	
6000 mm	Free on Wheels				*9300	*9300	7550	6250	6300	4750	4350	4350	3300	3200	3200	2350				2550	2550	1850	10 160
	2.75 m MH – 2 sets stabilizers – lowered				*9300	*9300	*9300	*8250	*8250	*8250	*6950	*6950	6650	*5950	*5950	4900				*4050	*4050	3950	
	2.99 m MH – 2 sets stabilizers – lowered				*9300	*9300	*9300	*8250	*8250	*8250	*6950	*6950	*6950	*5950	*5950	5300				*4050	*4050	*4050	
4500 mm	Free on Wheels				9600	9600	7100	6000	6000	4500	4200	4200	3150	3100	3100	2300	2400	2400	1700	2300	2300	1650	10 670
	2.75 m MH – 2 sets stabilizers – lowered				*10 950	*10 950	*10 950	*8650	*8650	*8650	*7150	*7150	6500	*6000	*6000	4800	*4600	*4600	3750	*4100	*4100	3650	
	2.99 m MH – 2 sets stabilizers – lowered				*10 950	*10 950	*10 950	*8650	*8650	*8650	*7150	*7150	7050	*6000	*6000	5200	*4600	*4600	4050	*4100	*4100	3950	
3000 mm	Free on Wheels	17 850	17 900	12 100	8850	8850	6450	5650	5650	4150	4000	4000	2950	3000	3000	2200	2350	2350	1650	2150	2200	1550	10 940
	2.75 m MH – 2 sets stabilizers – lowered	*18 200	*18 200	*18 200	*12 100	*12 100	*12 100	*9100	*9100	9000	*7250	*7250	6250	*5950	*5950	4700	4650	4700	3700	*4200	*4200	3450	
	2.99 m MH – 2 sets stabilizers – lowered	*18 200	*18 200	*18 200	*12 100	*12 100	*12 100	*9100	*9100	*9100	*7250	*7250	6800	*5950	*5950	5100	4700	4700	4000	*4200	*4200	3750	
1500 mm	Free on Wheels	*5550	*5550	*5550	8050	8050	5700	5250	5300	3800	3800	3800	2750	2900	2900	2100	2250	2300	1600	2100	2100	1500	11 000
	2.75 m MH – 2 sets stabilizers – lowered	*5550	*5550	*5550	*12 650	*12 650	*12 650	*9300	*9300	8550	*7250	*7250	6050	*5750	*5750	4550	*4450	*4450	3600	*3900	*3900	3350	
	2.99 m MH – 2 sets stabilizers – lowered	*5550	*5550	*5550	*12 650	*12 650	*12 650	*9300	*9300	*9300	*7250	*7250	6600	*5750	*5750	5000	*4450	*4450	3950	*3900	*3900	3650	
0 mm	Free on Wheels	*3850	*3850	*3850	7450	7500	5200	4950	4950	3500	3600	3650	2600	2800	2800	2000	2200	2250	1550				
	2.75 m MH – 2 sets stabilizers – lowered	*3850	*3850	*3850	*12 000	*12 000	*12 000	*8850	*8850	8200	*6850	*6850	5850	*5300	*5300	4450	*3850	*3850	3550				
	2.99 m MH – 2 sets stabilizers – lowered	*3850	*3850	*3850	*12 000	*12 000	*12 000	*8850	*8850	*8850	*6850	*6850	6400	*5300	*5300	4850	*3850	*3850	*3850				
–1500 mm	Free on Wheels				7200	7250	4950	4750	4800	3350	3500	3500	2500	2700	2750	1900							
	2.75 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*7700	*7700	*7700	*5900	*5900	5700	*4400	*4400	4400							
	2.99 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*7700	*7700	*7700	*5900	*5900	*5900	*4400	*4400	*4400							

*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.

MH3024 Material Handler Specifications

Lift Capacities

All values are in lb, work tool: none, hydraulic cab rise, solid tires, with counterweight (9,260 lb), heavy lift on.

	Load point height		Load over front		Load over rear		Load over side		Load at maximum reach (stick nose/bucket pin)															
	Undercarriage configuration	Boom 21'0" (MH)									Stick 16'5" (Drop Nose)													
		10 ft			15 ft			20 ft			25 ft			30 ft			35 ft						ft	
																								
40 ft	Free on Wheels	*16,100	*16,100	*16,100																	*15,500	*15,500	*15,500	10.60
	9'0" MH – 2 sets stabilizers – lowered	*16,100	*16,100	*16,100																	*15,500	*15,500	*15,500	
	9'10" MH – 2 sets stabilizers – lowered	*16,100	*16,100	*16,100																	*15,500	*15,500	*15,500	
35 ft	Free on Wheels				*16,100	*16,100	*16,100	*12,200	*12,200	10,100											*11,000	*11,000	9,300	21.00
	9'0" MH – 2 sets stabilizers – lowered				*16,100	*16,100	*16,100	*12,200	*12,200	*12,200											*11,000	*11,000	*11,000	
	9'10" MH – 2 sets stabilizers – lowered				*16,100	*16,100	*16,100	*12,200	*12,200	*12,200											*11,000	*11,000	*11,000	
30 ft	Free on Wheels							13,700	13,800	10,500	9,400	9,400	7,100								8,300	8,400	6,300	26.71
	9'0" MH – 2 sets stabilizers – lowered							*15,800	*15,800	*15,800	*12,000	*12,000	*12,000								*9,700	*9,700	*9,700	
	9'10" MH – 2 sets stabilizers – lowered							*15,800	*15,800	*15,800	*12,000	*12,000	*12,000								*9,700	*9,700	*9,700	
25 ft	Free on Wheels							13,800	13,800	10,500	9,500	9,500	7,200	6,900	6,900	5,100					6,600	6,600	4,900	30.58
	9'0" MH – 2 sets stabilizers – lowered							*17,500	*17,500	*17,500	*15,000	*15,000	14,400	*10,100	*10,100	*10,100					*9,200	*9,200	*9,200	
	9'10" MH – 2 sets stabilizers – lowered							*17,500	*17,500	*17,500	*15,000	*15,000	*15,000	*10,100	*10,100	*10,100					*9,200	*9,200	*9,200	
20 ft	Free on Wheels				*20,400	*20,400	16,300	13,500	13,500	10,200	9,300	9,400	7,000	6,800	6,900	5,100					5,700	5,700	4,100	33.20
	9'0" MH – 2 sets stabilizers – lowered				*20,400	*20,400	*20,400	*17,900	*17,900	*17,900	*15,200	*15,200	14,300	*13,000	*13,000	10,500					*8,900	*8,900	8,800	
	9'10" MH – 2 sets stabilizers – lowered				*20,400	*20,400	*20,400	*17,900	*17,900	*17,900	*15,200	*15,200	*15,200	*13,000	*13,000	11,400					*8,900	*8,900	*8,900	
15 ft	Free on Wheels				20,600	20,700	15,300	12,900	13,000	9,700	9,000	9,100	6,800	6,700	6,700	4,900					5,100	5,100	3,700	34.94
	9'0" MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*18,800	*18,800	*18,800	*15,500	*15,500	13,900	*13,000	*13,000	10,400					*9,000	*9,000	8,000	
	9'10" MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*18,800	*18,800	*18,800	*15,500	*15,500	15,100	*13,000	*13,000	11,200					*9,000	*9,000	8,700	
10 ft	Free on Wheels	38,300	38,500	26,200	19,000	19,100	13,900	12,100	12,200	9,800	8,600	8,700	6,400	6,500	6,500	4,700	5,000	5,000	3,600	4,800	4,800	3,400	35.86	
	9'0" MH – 2 sets stabilizers – lowered	*39,300	*39,300	*39,300	*26,100	*26,100	*26,100	*19,700	*19,700	19,300	*15,800	*15,800	13,500	12,800	12,900	10,100	10,000	10,100	7,900	*9,200	*9,200	7,600		
	9'10" MH – 2 sets stabilizers – lowered	*39,300	*39,300	*39,300	*26,100	*26,100	*26,100	*19,700	*19,700	*19,700	*15,800	*15,800	14,700	12,900	*12,900	11,000	10,100	10,100	8,600	*9,200	*9,200	8,300		
5 ft	Free on Wheels	*13,300	*13,300	*13,300	17,300	17,400	12,300	11,300	11,400	8,200	8,200	8,200	5,900	6,200	6,200	4,500	4,900	4,900	3,500	4,600	4,700	3,300	36.09	
	9'0" MH – 2 sets stabilizers – lowered	*13,300	*13,300	*13,300	*27,500	*27,500	*27,500	*20,100	*20,100	18,400	*15,700	*15,700	13,000	*12,500	*12,500	9,800	*9,500	*9,500	7,800	*8,700	*8,700	7,400		
	9'10" MH – 2 sets stabilizers – lowered	*13,300	*13,300	*13,300	*27,500	*27,500	*27,500	*20,100	*20,100	*20,100	*15,700	*15,700	14,200	*12,500	*12,500	10,700	*9,500	*9,500	8,500	*8,700	*8,700	8,100		
0 ft	Free on Wheels	*8,700	*8,700	*8,700	16,100	16,100	11,200	10,700	10,700	7,600	7,800	7,800	5,600	6,000	6,000	4,300	4,800	4,800	3,400					
	9'0" MH – 2 sets stabilizers – lowered	*8,700	*8,700	*8,700	*26,000	*26,000	*26,000	*19,200	*19,200	17,600	*14,800	*14,800	12,600	*11,400	*11,400	9,600	*8,000	*8,000	7,700					
	9'10" MH – 2 sets stabilizers – lowered	*8,700	*8,700	*8,700	*26,000	*26,000	*26,000	*19,200	*19,200	*19,200	*14,800	*14,800	13,700	*11,400	*11,400	10,500	*8,000	*8,000	*8,000					
-5 ft	Free on Wheels				15,500	15,600	10,600	10,300	10,300	7,200	7,500	7,600	5,300											
	9'0" MH – 2 sets stabilizers – lowered				*21,500	*21,500	*21,500	*16,600	*16,600	*16,600	*12,700	*12,700	12,300											
	9'10" MH – 2 sets stabilizers – lowered				*21,500	*21,500	*21,500	*16,600	*16,600	*16,600	*12,700	*12,700	*12,700											

*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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MH3024 Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab rise, solid tires, with counterweight (4700 kg), heavy lift on.

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

Undercarriage

2.75 m or 2.99 m (MH)

Boom

7.45 m (MH)

Stick

4.3 m (Straight)

	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			9000 mm			10 500 mm							mm
																								
12 000 mm	Free on Wheels				*6500	*6500	*6500														*6300	*6300	*6300	4630
	2.75 m MH – 2 sets stabilizers – lowered				*6500	*6500	*6500														*6300	*6300	*6300	
	2.99 m MH – 2 sets stabilizers – lowered				*6500	*6500	*6500														*6300	*6300	*6300	
10 500 mm	Free on Wheels							6300	6300	4700											4600	4650	3450	7120
	2.75 m MH – 2 sets stabilizers – lowered							*7000	*7000	*7000											*5150	*5150	*5150	
	2.99 m MH – 2 sets stabilizers – lowered							*7000	*7000	*7000											*5150	*5150	*5150	
9000 mm	Free on Wheels							6350	6350	4800	4300	4300	3200								3250	3300	2400	8670
	2.75 m MH – 2 sets stabilizers – lowered							*8050	*8050	*8050	*6700	*6700	6650								*4750	*4750	*4750	
	2.99 m MH – 2 sets stabilizers – lowered							*8050	*8050	*8050	*6700	*6700	*6700								*4750	*4750	*4750	
7500 mm	Free on Wheels							6250	6250	4700	4250	4250	3150	3050	3050	2200					2600	2600	1850	9740
	2.75 m MH – 2 sets stabilizers – lowered							*8150	*8150	*8150	*6700	*6700	6600	*5600	*5600	4800					*4600	*4600	4150	
	2.99 m MH – 2 sets stabilizers – lowered							*8150	*8150	*8150	*6700	*6700	*6700	*5600	*5600	5250					*4600	*4600	4550	
6000 mm	Free on Wheels				9650	9700	7100	6000	6000	4450	4100	4150	3050	3000	3000	2150					2200	2250	1550	10 480
	2.75 m MH – 2 sets stabilizers – lowered				*10 950	*10 950	*10 950	*8400	*8400	*8400	*6800	*6800	6450	*5600	*5600	4750					*4550	*4550	3600	
	2.99 m MH – 2 sets stabilizers – lowered				*10 950	*10 950	*10 950	*8400	*8400	*8400	*6800	*6800	*6800	*5600	*5600	5150					*4550	*4550	3950	
4500 mm	Free on Wheels	17 950	18 050	12 100	8850	8900	6400	5600	5650	4100	3900	3950	2850	2900	2900	2050	2150	2200	1500	2000	2000	1350	10 970	
	2.75 m MH – 2 sets stabilizers – lowered	*18 150	*18 150	*18 150	*11 750	*11 750	*11 750	*8700	*8700	*8700	*6900	*6900	6250	*5600	*5600	4650	*4500	*4500	3550	*4150	*4150	3300		
	2.99 m MH – 2 sets stabilizers – lowered	*18 150	*18 150	*18 150	*11 750	*11 750	*11 750	*8700	*8700	*8700	*6900	*6900	6800	*5600	*5600	5050	*4500	*4500	3900	*4150	*4150	3600		
3000 mm	Free on Wheels				7900	7950	5500	5150	5200	3700	3700	3700	2600	2750	2750	1900	2100	2100	1450	1850	1850	1250	11 240	
	2.75 m MH – 2 sets stabilizers – lowered				*12 100	*12 100	*12 100	*8800	*8800	8550	*6850	*6850	6000	*5450	*5450	4500	*4300	*4300	3500	*3700	*3700	3100		
	2.99 m MH – 2 sets stabilizers – lowered				*12 100	*12 100	*12 100	*8800	*8800	*8800	*6850	*6850	6550	*5450	*5450	4900	*4300	*4300	3800	*3700	*3700	3400		
1500 mm	Free on Wheels				*5350	*5350	4850	4800	4800	3300	3450	3500	2400	2600	2650	1800	2050	2050	1350	1800	1800	1200	11 300	
	2.75 m MH – 2 sets stabilizers – lowered				*5350	*5350	*5350	*8400	*8400	8100	*6500	*6500	5750	*5150	*5150	4350	*3950	*3950	3400	*3200	*3200	3050		
	2.99 m MH – 2 sets stabilizers – lowered				*5350	*5350	*5350	*8400	*8400	*8400	*6500	*6500	6300	*5150	*5150	4750	*3950	*3950	3750	*3200	*3200	*3200		
0 mm	Free on Wheels				*4650	*4650	4600	4550	4550	3100	3300	3300	2250	2500	2550	1700	2000	2000	1300	1800	1800	1200	11 150	
	2.75 m MH – 2 sets stabilizers – lowered				*4650	*4650	*4650	*7300	*7300	*7300	*5800	*5800	5550	*4500	*4500	4250	*3300	*3300	*3300	*2650	*2650	*2650		
	2.99 m MH – 2 sets stabilizers – lowered				*4650	*4650	*4650	*7300	*7300	*7300	*5800	*5800	*5800	*4500	*4500	*4500	*3300	*3300	*3300	*2650	*2650	*2650		
–1500 mm	Free on Wheels							4450	4450	3000	3200	3250	2150	2450	2500	1650								
	2.75 m MH – 2 sets stabilizers – lowered							*5600	*5600	*5600	*4650	*4650	*4650	*3550	*3550	*3550								
	2.99 m MH – 2 sets stabilizers – lowered							*5600	*5600	*5600	*4650	*4650	*4650	*3550	*3550	*3550								

*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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MH3024 Material Handler Specifications

Lift Capacities

All values are in lb, work tool: none, hydraulic cab rise, solid tires, with counterweight (10,370 lb), heavy lift on.

 Load point height	 Load over front				 Load over rear				 Load over side				 Load at maximum reach (stick nose/bucket pin)												
Undercarriage 9'0" or 9'10" (MH)			Boom 24'5" (MH)									Stick 14'1" (Straight)													
	Undercarriage configuration			10 ft			15 ft			20 ft			25 ft			30 ft			35 ft						ft
35 ft	Free on Wheels								13,400	13,500	10,100											10,700	10,800	8,000	22.67
	2.75 m MH – 2 sets stabilizers – lowered								*14,600	*14,600	*14,600											*11,600	*11,600	*11,600	
	2.99 m MH – 2 sets stabilizers – lowered									*14,600	*14,600	*14,600										*11,600	*11,600	*11,600	
30 ft	Free on Wheels								13,600	13,700	10,300	9,200	9,200	6,800								7,400	7,400	5,400	28.02
	2.75 m MH – 2 sets stabilizers – lowered								*17,500	*17,500	*17,500	*14,500	*14,500	14,300								*10,500	*10,500	*10,500	
	2.99 m MH – 2 sets stabilizers – lowered									*17,500	*17,500	*17,500	*14,500	*14,500	*14,500							*10,500	*10,500	*10,500	
25 ft	Free on Wheels								13,400	13,500	10,100	9,100	9,200	6,800	6,500	6,600	4,700					5,800	5,900	4,200	31.73
	2.75 m MH – 2 sets stabilizers – lowered								*17,700	*17,700	*17,700	*14,500	*14,500	14,200	*12,200	*12,200	10,300					*10,100	*10,100	9,300	
	2.99 m MH – 2 sets stabilizers – lowered									*17,700	*17,700	*17,700	*14,500	*14,500	*14,500	*12,200	*12,200	11,200				*10,100	*10,100	*10,100	
20 ft	Free on Wheels				20,800	20,900	15,400	12,900	12,900	9,600	8,900	8,900	6,500	6,400	6,400	4,600						4,900	5,000	3,400	34.28
	2.75 m MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*18,200	*18,200	*18,200	*14,700	*14,700	13,900	*12,100	*12,100	10,200						*10,100	*10,100	8,000	
	2.99 m MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*18,200	*18,200	*18,200	*14,700	*14,700	*14,700	*12,100	*12,100	11,100						*10,100	*10,100	8,800	
15 ft	Free on Wheels	38,800	38,900	26,200	19,200	19,200	13,900	12,100	12,100	8,800	8,400	8,500	6,100	6,200	6,200	4,400	4,700	4,700	3,200		4,400	4,400	3,000	35.93	
	2.75 m MH – 2 sets stabilizers – lowered	*39,100	*39,100	*39,100	*25,400	*25,400	*25,400	*18,900	*18,900	*18,900	*14,900	*14,900	13,400	*12,100	*12,100	10,000	*9,600	*9,600	7,700		*9,100	*9,100	7,300		
	2.99 m MH – 2 sets stabilizers – lowered	*39,100	*39,100	*39,100	*25,400	*25,400	*25,400	*18,900	*18,900	*18,900	*14,900	*14,900	14,700	*12,100	*12,100	10,900	*9,600	*9,600	8,400		*9,100	*9,100	8,000		
10 ft	Free on Wheels				17,100	17,200	12,000	11,200	11,200	8,000	7,900	8,000	5,600	5,900	5,900	4,100	4,500	4,500	3,100		4,100	4,100	2,700	36.84	
	2.75 m MH – 2 sets stabilizers – lowered				*26,300	*26,300	*26,300	*19,100	*19,100	18,400	*14,800	*14,800	12,900	*11,800	*11,800	9,700	*9,200	*9,200	7,500		*8,200	*8,200	6,900		
	2.99 m MH – 2 sets stabilizers – lowered				*26,300	*26,300	*26,300	*19,100	*19,100	*19,100	*14,800	*14,800	14,100	*11,800	*11,800	10,600	*9,200	*9,200	8,200		*8,200	*8,200	7,500		
5 ft	Free on Wheels				*12,900	*12,900	10,500	10,300	10,400	7,200	7,500	7,500	5,200	5,600	5,700	3,900	4,400	4,400	2,900		4,000	4,000	2,600	37.07	
	2.75 m MH – 2 sets stabilizers – lowered				*12,900	*12,900	*12,900	*18,200	*18,200	17,500	*14,100	*14,100	12,400	*11,100	*11,100	9,400	*8,400	*8,400	7,400		*7,100	*7,100	6,700		
	2.99 m MH – 2 sets stabilizers – lowered				*12,900	*12,900	*12,900	*18,200	*18,200	*18,200	*14,100	*14,100	13,600	*11,100	*11,100	10,300	*8,400	*8,400	8,100		*7,100	*7,100	*7,100		
0 ft	Free on Wheels				*10,800	*10,800	9,900	9,800	9,800	6,700	7,100	7,200	4,900	5,400	5,500	3,700	4,300	4,300	2,800		4,000	4,000	2,600	36.58	
	2.75 m MH – 2 sets stabilizers – lowered				*10,800	*10,800	*10,800	*15,900	*15,900	*15,900	*12,600	*12,600	12,000	*9,700	*9,700	9,100	*6,900	*6,900	*6,900		*5,900	*5,900	*5,900		
	2.99 m MH – 2 sets stabilizers – lowered				*10,800	*10,800	*10,800	*15,900	*15,900	*15,900	*12,600	*12,600	*12,600	*9,700	*9,700	*9,700	*6,900	*6,900	*6,900		*5,900	*5,900	*5,900		
-5 ft	Free on Wheels							9,600	9,600	6,500	6,900	7,000	4,700	5,300	5,400	3,600									
	2.75 m MH – 2 sets stabilizers – lowered							*12,200	*12,200	*12,200	*10,000	*10,000	*10,000	*7,500	*7,500	*7,500									
	2.99 m MH – 2 sets stabilizers – lowered							*12,200	*12,200	*12,200	*10,000	*10,000	*10,000	*7,500	*7,500	*7,500									

*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.

MH3024 Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab rise, solid tires, with counterweight (4200 kg), heavy lift on.

	Load point height		Load over front		Load over rear		Load over side		Load at maximum reach (stick nose/bucket pin)											
Undercarriage 2.75 m or 2.99 m (MH)		Boom 6.4 m (MH)						Stick 4.3 m (Straight)												
	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			9000 mm						mm
10 500 mm	Free on Wheels				*7200	*7200	7100										*5800	*5800	5300	5340
	2.75 m MH – 2 sets stabilizers – lowered				*7200	*7200	*7200										*5800	*5800	*5800	
	2.99 m MH – 2 sets stabilizers – lowered				*7200	*7200	*7200										*5800	*5800	*5800	
9000 mm	Free on Wheels				*8750	*8750	7300	6000	6050	4500							4250	4250	3150	7290
	2.75 m MH – 2 sets stabilizers – lowered				*8750	*8750	*8750	*7300	*7300	*7300							*4950	*4950	*4950	
	2.99 m MH – 2 sets stabilizers – lowered				*8750	*8750	*8750	*7300	*7300	*7300							*4950	*4950	*4950	
7500 mm	Free on Wheels				*9750	*9750	7300	6000	6050	4500	4100	4100	3000				3200	3200	2350	8540
	2.75 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*8200	*8200	*8200	*6900	*6900	6350				*4650	*4650	*4650	
	2.99 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*8200	*8200	*8200	*6900	*6900	*6900				*4650	*4650	*4650	
6000 mm	Free on Wheels				9550	9600	7050	5900	5900	4400	4000	4050	2950	2900	2100		2650	2700	1900	9380
	2.75 m MH – 2 sets stabilizers – lowered				*10 500	*10 500	*10 500	*8400	*8400	*8400	*6950	*6950	6300	*5800	*5800	4600	*4550	*4550	4250	
	2.99 m MH – 2 sets stabilizers – lowered				*10 500	*10 500	*10 500	*8400	*8400	*8400	*6950	*6950	6850	*5800	*5800	5000	*4550	*4550	*4550	
4500 mm	Free on Wheels	*14 950	*14 950	12 900	9050	9050	6600	5600	5650	4150	3900	3900	2850	2850	2050	2350	2400	1650	9930	
	2.75 m MH – 2 sets stabilizers – lowered	*14 950	*14 950	*14 950	*11 400	*11 400	*11 400	*8750	*8750	*8750	*7050	*7050	6150	*5750	*5750	4550	*4600	*4600		3850
	2.99 m MH – 2 sets stabilizers – lowered	*14 950	*14 950	*14 950	*11 400	*11 400	*11 400	*8750	*8750	*8750	*7050	*7050	6700	*5750	*5750	4950	*4600	*4600		4200
3000 mm	Free on Wheels	16 500	16 600	10 950	8300	8300	5900	5250	5300	3800	3700	3750	2650	2750	1950	2200	2200	1500	10 220	
	2.75 m MH – 2 sets stabilizers – lowered	*19 200	*19 200	*19 200	*12 300	*12 300	*12 300	*9050	*9050	8600	*7100	*7100	5950	*5650	*5650	4450	*4500	*4500		3600
	2.99 m MH – 2 sets stabilizers – lowered	*19 200	*19 200	*19 200	*12 300	*12 300	*12 300	*9050	*9050	*9050	*7100	*7100	6500	*5650	*5650	4850	*4500	*4500		3950
1500 mm	Free on Wheels	*3000	*3000	*3000	7550	7600	5250	4950	4950	3500	3550	3550	2500	2650	2650	1850	2150	2150	1450	10 280
	2.75 m MH – 2 sets stabilizers – lowered	*3000	*3000	*3000	*12 350	*12 350	*12 350	*9000	*9000	8200	*6900	*6900	5750	*5350	*5350	4350	*4000	*4000	3500	
	2.99 m MH – 2 sets stabilizers – lowered	*3000	*3000	*3000	*12 350	*12 350	*12 350	*9000	*9000	*9000	*6900	*6900	6300	*5350	*5350	4750	*4000	*4000	3850	
0 mm	Free on Wheels				7150	7200	4900	4700	4700	3250	3400	3400	2350	2550	2600	1750				
	2.75 m MH – 2 sets stabilizers – lowered				*10 200	*10 200	*10 200	*8250	*8250	7900	*6250	*6250	5600	*4700	*4700	4250				
	2.99 m MH – 2 sets stabilizers – lowered				*10 200	*10 200	*10 200	*8250	*8250	*8250	*6250	*6250	6150	*4700	*4700	4650				

Lift Capacities

All values are in lb, work tool: none, hydraulic cab rise, solid tires, with coutnerweight (9,260 lb), heavy lift on.

	Load point height		Load over front		Load over rear		Load over side		Load at maximum reach (stick nose/bucket pin)												
Undercarriage 9'0" or 9'10" (MH)		Boom 21'0" (MH)						Stick 14'1" (Straight)													
	Undercarriage configuration	  			  			  			  			  			  				ft
35 ft	Free on Wheels				*15,000	*15,000	*15,000										*13,100	*13,100	12,800	16.57	
	2.75 m MH – 2 sets stabilizers – lowered				*15,000	*15,000	*15,000										*13,100	*13,100	*13,100		
	2.99 m MH – 2 sets stabilizers – lowered				*15,000	*15,000	*15,000										*13,100	*13,100	*13,100		
30 ft	Free on Wheels				*18,900	*18,900	15,700	12,900	12,900	9,600							9,700	9,700	7,200	23.43	
	2.75 m MH – 2 sets stabilizers – lowered				*18,900	*18,900	*18,900	*15,400	*15,400	*15,400							*11,100	*11,100	*11,100		
	2.99 m MH – 2 sets stabilizers – lowered				*18,900	*18,900	*18,900	*15,400	*15,400	*15,400							*11,100	*11,100	*11,100		
25 ft	Free on Wheels				21,100	21,100	15,700	12,900	13,000	9,700	8,700	8,800	6,500				7,200	7,200	5,200	27.72	
	2.75 m MH – 2 sets stabilizers – lowered				*21,200	*21,200	*21,200	*17,800	*17,800	*17,800	*14,700	*14,700	13,700				*10,300	*10,300	*10,300		
	2.99 m MH – 2 sets stabilizers – lowered				*21,200	*21,200	*21,200	*17,800	*17,800	*17,800	*14,700	*14,700	*14,700				*10,300	*10,300	*10,300		
20 ft	Free on Wheels				20,500	20,600	15,200	12,600	12,700	9,400	8,600	8,700	6,400	6,200	6,200	4,400	5,900	6,000	4,200	30.64	
	2.75 m MH – 2 sets stabilizers – lowered				*22,800	*22,800	*22,800	*18,200	*18,200	*18,200	*15,100	*15,100	13,500	*11,500	*11,500	9,900	*10,100	*10,100	9,500		
	2.99 m MH – 2 sets stabilizers – lowered				*22,800	*22,800	*22,800	*18,200	*18,200	*18,200	*15,100	*15,100	14,700	*11,500	*11,500	10,700	*10,100	*10,100	*10,100		
15 ft	Free on Wheels	*32,000	*32,000	27,900	19,400	19,500	14,200	12,100	12,200	8,900	8,400	8,400	6,100	6,100	6,100	4,300	5,200	5,300	3,700	32.51	
	2.75 m MH – 2 sets stabilizers – lowered	*32,000	*32,000	*32,000	*24,700	*24,700	*24,700	*19,000	*19,000	*19,000	*15,300	*15,300	13,200	*12,400	*12,400	9,700	*10,200	*10,200	8,500		
	2.99 m MH – 2 sets stabilizers – lowered	*32,000	*32,000	*32,000	*24,700	*24,700	*24,700	*19,000	*19,000	*19,000	*15,300	*15,300	14,400	*12,400	*12,400	10,600	*10,200	*10,200	9,200		
10 ft	Free on Wheels	35,500	35,700	23,700	17,900	17,900	12,800	11,400	11,400	8,200	8,000	8,000	5,700	5,900	5,900	4,200	4,800	4,900	3,400	33.50	
	2.75 m MH – 2 sets stabilizers – lowered	*41,500	*41,500	*41,500	*26,600	*26,600	*26,600	*19,600	*19,600	18,500	*15,300	*15,300	12,800	*12,200	*12,200	9,500	*9,900	*9,900	7,900		
	2.99 m MH – 2 sets stabilizers – lowered	*41,500	*41,500	*41,500	*26,600	*26,600	*26,600	*19,600	*19,600	*19,600	*15,300	*15,300	14,000	*12,200	*12,200	10,400	*9,900	*9,900	8,700		
5 ft	Free on Wheels	*7,100	*7,100	*7,100	16,300	16,400	11,400	10,600	10,700	7,600	7,600	7,600	5,400	5,700	5,700	4,000	4,700	4,700	3,200	33.73	
	2.75 m MH – 2 sets stabilizers – lowered	*7,100	*7,100	*7,100	*26,800	*26,800	*26,800	*19,500	*19,500	17,600	*14,900	*14,900	12,400	*11,500	*11,500	9,300	*8,800	*8,800	7,700		
	2.99 m MH – 2 sets stabilizers – lowered	*7,100	*7,100	*7,100	*26,800	*26,800	*26,800	*19,500	*19,500	19,400	*14,900	*14,900	13,600	*11,500	*11,500	10,200	*8,800	*8,800	8,500		
0 ft	Free on Wheels				15,400	15,500	10,500	10,100	10,200	7,000	7,300	7,300	5,100	5,500	5,600	3,800					
	2.75 m MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*17,800	*17,800	17,000	*13,500	*13,500	12,100	*10,000	*10,000	9,100					
	2.99 m MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*17,800	*17,800	*17,800	*13,500	*13,500	13,200	*10,000	*10,000	*10,000					

*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.

MH3024 Material Handler Specifications

Lift Capacities

All values are in kg, work tool: none, hydraulic cab rise, solid tires, with counterweight (4700 kg), heavy lift on.

	Load point height		Load over front		Load over rear		Load over side		Load at maximum reach (stick nose/bucket pin)											
Undercarriage 2.75 m or 2.99 m (MH)		Boom 6.4 m (MH)						Stick 4.3 m (Straight)												
	Undercarriage configuration	3000 mm			4500 mm			6000 mm			7500 mm			9000 mm						mm
10 500 mm	Free on Wheels				*7200	*7200	*7200										*5800	*5800	5600	5340
	2.75 m MH – 2 sets stabilizers – lowered				*7200	*7200	*7200										*5800	*5800	*5800	
	2.99 m MH – 2 sets stabilizers – lowered				*7200	*7200	*7200										*5800	*5800	*5800	
9000 mm	Free on Wheels				*8750	*8750	7650	6300	6300	4750							4450	4500	3350	7290
	2.75 m MH – 2 sets stabilizers – lowered				*8750	*8750	*8750	*7300	*7300	*7300							*4950	*4950	*4950	
	2.99 m MH – 2 sets stabilizers – lowered				*8750	*8750	*8750	*7300	*7300	*7300							*4950	*4950	*4950	
7500 mm	Free on Wheels				*9750	*9750	7650	6300	6350	4750	4300	4300	3200				3400	3400	2500	8540
	2.75 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*8200	*8200	*8200	*6900	*6900	6650				*4650	*4650	*4650	
	2.99 m MH – 2 sets stabilizers – lowered				*9750	*9750	*9750	*8200	*8200	*8200	*6900	*6900	*6900				*4650	*4650	*4650	
6000 mm	Free on Wheels				10 000	10 050	7450	6150	6200	4650	4250	4250	3150	3050	3100	2250	2850	2850	2050	9380
	2.75 m MH – 2 sets stabilizers – lowered				*10 500	*10 500	*10 500	*8400	*8400	*8400	*6950	*6950	6600	*5800	*5800	4800	*4550	*4550	4500	
	2.99 m MH – 2 sets stabilizers – lowered				*10 500	*10 500	*10 500	*8400	*8400	*8400	*6950	*6950	*6950	*5800	*5800	5200	*4550	*4550	*4550	
4500 mm	Free on Wheels	*14 950	*14 950	13 550	9450	9500	6950	5900	5950	4400	4100	4150	3050	3000	3050	2200	2500	2550	1800	9930
	2.75 m MH – 2 sets stabilizers – lowered	*14 950	*14 950	*14 950	*11 400	*11 400	*11 400	*8750	*8750	*8750	*7050	*7050	6450	*5750	*5750	4750	*4600	*4600	4050	
	2.99 m MH – 2 sets stabilizers – lowered	*14 950	*14 950	*14 950	*11 400	*11 400	*11 400	*8750	*8750	*8750	*7050	*7050	7000	*5750	*5750	5200	*4600	*4600	4400	
3000 mm	Free on Wheels	17 350	17 400	11 600	8700	8750	6300	5550	5600	4050	3950	3950	2850	2900	2950	2100	2350	2350	1650	10 220
	2.75 m MH – 2 sets stabilizers – lowered	*19 200	*19 200	*19 200	*12 300	*12 300	*12 300	*9050	*9050	9000	*7100	*7100	6250	*5650	*5650	4650	*4500	*4500	3800	
	2.99 m MH – 2 sets stabilizers – lowered	*19 200	*19 200	*19 200	*12 300	*12 300	*12 300	*9050	*9050	*9050	*7100	*7100	6800	*5650	*5650	5100	*4500	*4500	4150	
1500 mm	Free on Wheels	*3000	*3000	*3000	8000	8050	5650	5250	5250	3750	3750	3750	2700	2850	2850	2000	2300	2300	1600	10 280
	2.75 m MH – 2 sets stabilizers – lowered	*3000	*3000	*3000	*12 350	*12 350	*12 350	*9000	*9000	8600	*6900	*6900	6050	*5350	*5350	4550	*4000	*4000	3700	
	2.99 m MH – 2 sets stabilizers – lowered	*3000	*3000	*3000	*12 350	*12 350	*12 350	*9000	*9000	*9000	*6900	*6900	6600	*5350	*5350	4950	*4000	*4000	*4000	
0 mm	Free on Wheels				7600	7600	5250	5000	5000	3500	3600	3650	2550	2750	2750	1950				
	2.75 m MH – 2 sets stabilizers – lowered				*10 200	*10 200	*10 200	*8250	*8250	*8250	*6250	*6250	5900	*4700	*4700	4450				
	2.99 m MH – 2 sets stabilizers – lowered				*10 200	*10 200	*10 200	*8250	*8250	*8250	*6250	*6250	*6250	*4700	*4700	*4700				

Lift Capacities

All values are in lb, work tool: none, hydraulic cab rise, solid tires, with counterweight (10,370 lb), heavy lift on.

	Load point height		Load over front		Load over rear		Load over side		Load at maximum reach (stick nose/bucket pin)											
Undercarriage 9'0" or 9'10" (MH)		Boom 21'0" (MH)						Stick 14'1" (Straight)												
	Undercarriage configuration	10 ft			15 ft			20 ft			25 ft			30 ft						ft
35 ft	Free on Wheels				*15,000	*15,000	*15,000										*13,100	*13,100	*13,100	16.57
	2.75 m MH – 2 sets stabilizers – lowered				*15,000	*15,000	*15,000										*13,100	*13,100	*13,100	
	2.99 m MH – 2 sets stabilizers – lowered				*15,000	*15,000	*15,000										*13,100	*13,100	*13,100	
30 ft	Free on Wheels				*18,900	*18,900	16,500	13,500	13,500	10,200							10,200	10,200	7,600	23.43
	2.75 m MH – 2 sets stabilizers – lowered				*18,900	*18,900	*18,900	*15,400	*15,400	*15,400							*11,100	*11,100	*11,100	
	2.99 m MH – 2 sets stabilizers – lowered				*18,900	*18,900	*18,900	*15,400	*15,400	*15,400							*11,100	*11,100	*11,100	
25 ft	Free on Wheels				*21,200	*21,200	16,500	13,600	13,600	10,200	9,200	9,300	6,900				7,600	7,600	5,600	27.72
	2.75 m MH – 2 sets stabilizers – lowered				*21,200	*21,200	*21,200	*17,800	*17,800	*17,800	*14,700	*14,700	14,300				*10,300	*10,300	*10,300	
	2.99 m MH – 2 sets stabilizers – lowered				*21,200	*21,200	*21,200	*17,800	*17,800	*17,800	*14,700	*14,700	*14,700				*10,300	*10,300	*10,300	
20 ft	Free on Wheels				21,500	21,600	16,000	13,300	13,300	10,000	9,100	9,200	6,800	6,600	6,600	4,800	6,300	6,300	4,600	30.64
	2.75 m MH – 2 sets stabilizers – lowered				*22,800	*22,800	*22,800	*18,200	*18,200	*18,200	*15,100	*15,100	14,200	*11,500	*11,500	10,300	*10,100	*10,100	10,000	
	2.99 m MH – 2 sets stabilizers – lowered				*22,800	*22,800	*22,800	*18,200	*18,200	*18,200	*15,100	*15,100	*15,100	*11,500	*11,500	11,200	*10,100	*10,100	*11,100	
15 ft	Free on Wheels	*32,000	*32,000	29,200	20,400	20,500	15,000	12,700	12,800	9,500	8,800	8,900	6,500	6,500	6,500	4,700	5,600	5,600	4,000	32.51
	2.75 m MH – 2 sets stabilizers – lowered	*32,000	*32,000	*32,000	*24,700	*24,700	*24,700	*19,000	*19,000	*19,000	*15,300	*15,300	13,900	*12,400	*12,400	10,200	*10,200	*10,200	8,900	
	2.99 m MH – 2 sets stabilizers – lowered	*32,000	*32,000	*32,000	*24,700	*24,700	*24,700	*19,000	*19,000	*19,000	*15,300	*15,300	15,100	*12,400	*12,400	11,100	*10,200	*10,200	9,700	
10 ft	Free on Wheels	37,300	37,500	25,100	18,800	18,900	13,600	12,000	12,100	8,800	8,500	8,500	6,200	6,300	6,300	4,500	5,200	5,200	3,700	33.50
	2.75 m MH – 2 sets stabilizers – lowered	*41,500	*41,500	*41,500	*26,600	*26,600	*26,600	*19,600	*19,600	19,300	*15,300	*15,300	13,400	*12,200	*12,200	10,000	*9,900	*9,900	8,400	
	2.99 m MH – 2 sets stabilizers – lowered	*41,500	*41,500	*41,500	*26,600	*26,600	*26,600	*19,600	*19,600	*19,600	*15,300	*15,300	14,700	*12,200	*12,200	10,900	*9,900	*9,900	9,100	
5 ft	Free on Wheels	*7,100	*7,100	*7,100	17,300	17,300	12,200	11,300	11,300	8,100	8,100	8,100	5,800	6,100	6,100	4,300	5,000	5,100	3,500	33.73
	2.75 m MH – 2 sets stabilizers – lowered	*7,100	*7,100	*7,100	*26,800	*26,800	*26,800	*19,500	*19,500	18,500	*14,900	*14,900	13,000	*11,500	*11,500	9,800	*8,800	*8,800	8,200	
	2.99 m MH – 2 sets stabilizers – lowered	*7,100	*7,100	*7,100	*26,800	*26,800	*26,800	*19,500	*19,500	*19,500	*14,900	*14,900	14,200	*11,500	*11,500	10,700	*8,800	*8,800	*8,800	
0 ft	Free on Wheels				16,300	16,400	11,300	10,700	10,800	7,600	7,800	7,800	5,500	5,900	6,000	4,200				
	2.75 m MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*17,800	*17,800	*17,800	*13,500	*13,500	12,700	*10,000	*10,000	9,600				
	2.99 m MH – 2 sets stabilizers – lowered				*23,700	*23,700	*23,700	*17,800	*17,800	*17,800	*13,500	*13,500	*13,500	*10,000	*10,000	*10,000				

*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.

MH3024 Material Handler Specifications

Attachments Offering Guide – South America

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☒ Match
 ☐ No Match
 ☒ 900 kg/m³ (1,500 lb/yd³)
 ☒ 1800 kg/m³ (3,000 lb/yd³)
 ☐ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")						MH 2.99 m (9'10")					
Counterweight		4.2 mt (9,260 lb)		4.7 mt (10,350 lb)		4.2 mt (9,260 lb)		4.7 mt (10,350 lb)					
Boom Type		MH 6.4 m (21'0")		MH 6.4 m (21'0")		MH 7.45 m (24'5")		MH 6.4 m (21'0")		MH 6.4 m (21'0")		MH 7.45 m (24'5")	
Stick Length		4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")
Multi-Processors	MP318 Shear Jaw	✓		✓		✓		✓		✓		✓	
	G318	✓		✓		✓		✓		✓		✓	
Demolition and Sorting Grapples	G324	✓		✓				✓		✓			
	HM4015	✓		✓		✓		✓		✓		✓	
Mulchers	HM4815	✓		✓		✓		✓		✓		✓	
Orange Peel Grapples	GSH420-500		●		●		●		●		●		●
	GSH420-600		●		●		●		●		●		●
	GSH420-750		●		●		●		●		●		●
	GSH425-750		●		●		○		●		●		○
	GSH425-950		○		●		○		●		●		○
	GSH425-1150		○		○		◆		●		●		○
	GSH520-500		●		●		●		●		●		●
	GSH520-600		●		●		●		●		●		●
	GSH520-750		●		●		●		●		●		●
	GSH525-750		●		●		○		●		●		○
	GSH525-950		○		○		◆		●		●		○
	GSH525-1150		◆		○				○		○		◆
Clamshell Grapples	CTV15-1000		●		●		○		●		●		●
	CTV15-1200		○		○		○		●		●		○
	CTV15-1500		○		○		◆		○		○		◆
	CTV15-1700		◆		◆				◆		○		◆
	CTV15-1900				◆				◆		◆		

(continued on next page)

MH3024 Material Handler Specifications

Attachments Offering Guide – South America *(continued)*

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☒ Match	☐ No Match	☐ 600 kg/m ³ (1000 lb/yd ³)	☒ 1800 kg/m ³ (3,000 lb/yd ³)	☐ 1200 kg/m ³ (2,000 lb/yd ³)
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CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")			MH 2.99 mm (9'10")	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 7.45 m (24'5")	MH 6.4 m (21'0")	MH 7.45 m (24'5")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓		✓	✓
Demolition and Sorting Grapples	G318	✓	✓		✓	✓
	G324	✓	✓		✓	✓
Mulchers	HM4015	✓	✓	✓	✓	✓
	HM4815	✓	✓	✓	✓	✓

S70 DEDICATED COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")		MH 2.99 mm (9'10")	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	4.2 mt (9,260 lb)	4.7 mt (10,350 lb)
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓	✓	✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓
	G324	✓	✓	✓	✓

HCS70 DEDICATED COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")		MH 2.99 mm (9'10")	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	4.2 mt (9,260 lb)	4.7 mt (10,350 lb)
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓	✓	✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓
	G324	✓	✓	✓	✓

HCS70/55 DEDICATED COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")		MH 2.99 mm (9'10")	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	4.2 mt (9,260 lb)	4.7 mt (10,350 lb)
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓	✓	✓
Demolition and Sorting Grapples	G318	✓	✓	✓	✓
	G324	✓	✓	✓	✓

MH3024 Material Handler Specifications

Attachments Offering Guide – Eurasia, Africa-Middle East

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.



Match



* Working range front only



No Match

PIN-ON ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")						MH 2.99 mm (9'10")					
Counterweight		4.2 mt (9,260 lb)		4.7 mt (10,350 lb)		4.2 mt (9,260 lb)		4.7 mt (10,350 lb)					
Boom Type		MH 6.4 m (21'0")		MH 6.4 m (21'0")		MH 7.45 m (24'5")		MH 6.4 m (21'0")		MH 6.4 m (21'0")		MH 7.45 m (24'5")	
Stick Length		4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")
Multi-Processors	MP318 Shear Jaw	✓		✓		✓		✓		✓		✓	
	G317 GC	✓		✓		✓		✓		✓		✓	
Demolition and Sorting Grapples	G318	✓		✓		✓		✓		✓		✓	
	G318 WH-800	✓		✓		✓		✓		✓		✓	
	G318 WH-1100	✓		✓				✓		✓			
	G324	✓		✓				✓		✓			
	G324 WH-1500	✓		✓				✓		✓			
	G324 WH-1800	✓		✓				✓		✓			
	G324 WH-2000	✓*		✓				✓		✓			

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MH3024 Material Handler Specifications

Attachments Offering Guide – Eurasia, Africa-Middle East (continued)

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☐ No Match	☒ 1800 kg/m ³ (3,000 lb/yd ³)	☐ 1200 kg/m ³ (2,000 lb/yd ³)	☒ 900 kg/m ³ (1,500 lb/yd ³)	☐ 600 kg/m ³ (1,000 lb/yd ³)
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PIN-ON ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")						MH 2.99 m (9'10")					
Counterweight		4.2 mt (9,260 lb)		4.7 mt (10,350 lb)		4.2 mt (9,260 lb)		4.7 mt (10,350 lb)					
Boom Type		MH 6.4 m (21'0")		MH 6.4 m (21'0")		MH 7.45 m (24'5")		MH 6.4 m (21'0")		MH 6.4 m (21'0")		MH 7.45 m (24'5")	
Stick Length		4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")	4.30 m (14'1")	5.00 m (16'5")
Orange Peel Grapples	GSH420-500	●	●	●	●	●	●	●	●	●	●	●	●
	GSH420-600	○	●	●	●	●	●	●	●	●	●	●	●
	GSH420-750	○	○	●	○	●	○	●	●	●	●	●	●
	GSH425-750	●	●	○	○	●	○	●	●	●	●	●	●
	GSH425-950	●	●	○	○	●	○	●	●	●	●	○	○
	GSH425-1150	●	●	◆	◆	●	◆	●	●	●	●	○	○
	GSH520-500	●	●	●	●	●	●	●	●	●	●	●	●
	GSH520-600	○	○	●	○	●	○	●	●	●	●	●	●
	GSH520-750	◆	○	●	○	●	○	○	○	○	○	●	●
	GSH525-750	●	●	○	○	●	○	●	●	●	●	●	●
	GSH525-950	●	●	◆	◆	●	◆	●	●	●	●	●	●
	GSH525-1150	●	●	●	●	●	●	●	●	●	●	●	●
	GSV420-400	●	●	●	●	●	●	●	●	●	●	●	●
	GSV420-500	◇	◇	●	◇	●	◇	◇	◇	◇	◇	●	●
	GSV420-600	●	●	●	●	●	●	●	●	●	●	●	●
	GSV420-750	●	●	●	●	●	●	●	●	●	●	●	●
	GSV420-1250	○	●	◇	◇	●	◇	●	●	●	●	◇	◇
	GSV425-600	○	○	●	○	●	○	●	●	●	●	●	●
	GSV425-750	◇	◇	○	○	○	◇	◇	◇	◇	◇	●	●
	GSV425-950	●	●	○	○	●	○	●	●	●	●	○	○
	GSV425-1150	●	●	○	○	●	○	●	●	●	●	○	○
	GSV425-1550	●	●	◇	◇	●	◇	●	●	●	●	◇	◇
	GSV520-400	●	●	●	●	●	●	●	●	●	●	●	●
	GSV520-500	◇	◇	●	◇	●	◇	◇	◇	◇	◇	●	●
	GSV520-600	●	●	●	●	●	●	●	●	●	●	●	●
	GSV520-750	●	●	●	●	●	●	●	●	●	●	●	●
	GSV520-1250	○	○	◇	◇	○	○	●	●	●	●	◇	◇
	GSV520 GC-400	●	●	●	●	●	●	●	●	●	●	●	●
	GSV520 GC-500	◇	◇	●	◇	●	◇	◇	◇	◇	◇	●	●
	GSV520 GC-600	●	●	●	●	●	●	●	●	●	●	●	●
	GSV520 GC-750	●	●	●	●	●	●	●	●	●	●	●	●
	GSV520 GC-1250	●	●	◇	◇	●	◇	●	●	●	●	◇	◇
	GSV525-600	◆	○	●	○	○	○	○	○	○	○	●	●
	GSV525-750	◇	◇	○	○	○	◇	◇	◇	◇	◇	○	○
	GSV525-950	○	○	◆	◆	●	◆	●	●	●	●	○	○
	GSV525-1150	○	○	○	○	○	○	○	○	○	○	◆	◆
	GSV525-1550	◇	◇	○	○	○	◇	◇	◇	◇	◇	◇	◇
Clamshell Grapples	CTV15-1000	●	●	○	○	○	○	●	●	●	●	●	●
	CTV15-1200	○	○	○	○	○	○	●	●	●	●	○	○
	CTV15-1500	◆	○	◆	◆	○	○	○	○	○	○	◆	◆
	CTV15-1700	◆	◆	○	○	○	○	◆	○	○	○	◆	◆
	CTV15-1900	○	○	○	○	○	○	◆	○	○	○	○	○

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MH3024 Material Handler Specifications

Attachments Offering Guide – Eurasia, Africa-Middle East (continued)

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

☒ Match
 ☐ * Working range front only
 ☐ No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")		MH (2.99 m)	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	4.2 mt (9,260 lb)	4.7 mt (10,350 lb)
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 6.4 m (21'0")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓	✓	✓
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓
	G318	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓
	G318 WH-1100	✓	✓	✓	✓
	G324	✓	✓	✓	✓
	G324 WH-1500	✓*	✓	✓	✓

CW-40s DEDICATED COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")			MH (2.99 m)	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 7.45 m (24'5")	MH 6.4 m (21'0")	MH 7.45 m (24'5")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓		✓	
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓
	G318	✓	✓		✓	
	G318 WH-800	✓	✓	✓	✓	✓
	G318 WH-1100	✓	✓		✓	
	G324	✓	✓		✓	
	G324 WH-1500	✓	✓		✓	

CW-40 DEDICATED COUPLER ATTACHMENTS

Undercarriage		MH 2.75 m (9'0")			MH (2.99 m)	
Counterweight		4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	4.2 mt (9,260 lb)	4.7 mt (10,350 lb)	
Boom Type		MH 6.4 m (21'0")	MH 6.4 m (21'0")	MH 7.45 m (24'5")	MH 6.4 m (21'0")	MH 7.45 m (24'5")
Stick Length		4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")	4.30 m (14'1")
Multi-Processors	MP318 Shear Jaw	✓	✓		✓	
Demolition and Sorting Grapples	G317 GC	✓	✓	✓	✓	✓
	G317 GC Fixed CAN	✓	✓	✓	✓	✓
	G318	✓	✓		✓	
	G318 Fixed CAN	✓	✓	✓	✓	✓
	G318 WH-800	✓	✓	✓	✓	✓
	G318 WH-1100	✓	✓		✓	
	G324	✓	✓		✓	
	G324 WH-1500	✓	✓		✓	

MH3024 Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOM, STICKS AND LINKAGES			HYDRAULICS		
6.4 m (21'0") MH boom		✓	Boom/stick lowering check valves	✓	
7.45 m (24'5") MH boom		✓	Overload warning	✓	
5.0 m (16'5") Drop Nose MH stick		✓	Electronic main control valve	✓	
4.3 m (14'1") Straight MH stick		✓	Auto hydraulic oil warm up	✓	
Bucket linkage, B-type with lifting eye		✓	Element type main hydraulic filter	✓	
CAT TECHNOLOGY			Advanced Tool Control (one/two way high-pressure flow with drift reduction)	✓	
Cat Equipment Management:			Medium pressure auxiliary circuit (one/two way medium-pressure flow)	✓	
– VisionLink®	✓ ¹		Heavy lift mode	✓	
– Remote Flash	✓		SmartBoom™	✓ ²	
– Remote Troubleshoot	✓		Joystick steering	✓	
Cat Payload:			Steering wheel		✓
– On-the-go weighing		✓	Separate dedicated swing pump	✓	
– Semiautomatic calibration		✓	Automatic swing brake	✓	
– Payload/cycle information		✓	Adjustable hydraulic aggressiveness	✓	
ELECTRICAL			Pattern changer	✓	
LED lights on boom, stick, and cab	✓				
LED left-hand-side, right-hand-side and rear lights for cameras installed on chassis		✓			
LED left-hand-side, right-hand-side and rear lights for upper steps and cameras installed on chassis		✓			
Generator, 15 kW with wiring to stick nose		✓			
Programmable time-delay LED working lights	✓				
Roading and indicator lights, front and rear	✓				
Maintenance free batteries	✓				
Centralized electrical disconnect switch	✓				
Electrical refueling pump		✓			
ENGINE					
Cat C4.4 diesel engine	✓				
Power mode selector	✓				
One-touch low idle with automatic engine speed control	✓				
Automatic engine idle shutdown	✓				
Work up to 3000 m (9,843 ft) above sea level without engine power de-rating	✓				
52°C (125°F) high-ambient cooling capacity	✓				
Cold starting capability for –18°C (0°F)	✓				
Double element air filter with integrated pre-cleaner	✓				
Electric fuel priming pump	✓				
On-demand electric cooling fans with auto-reverse function	✓				

¹Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

²Not compatible with 2D E-fence, Cab avoidance, or Cat Payload.

(continued on next page)

MH3024 Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

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

	Standard	Optional		Standard	Optional
SAFETY AND SECURITY			UNDERCARRIAGE AND STRUCTURES		
Rear and right-side-view cameras	✓		All wheel drive	✓	
Wide angle mirrors	✓		Automatic brake/axle lock	✓	
Right-hand-side mirrors	✓		Creeper speed	✓	
Travel alarm		✓	Electronic swing and travel lock	✓	
Rotating beacon on cab and chassis		✓	Heavy-duty axles, advanced disc brake system and travel motor, adjustable braking force	✓	
Inspection lighting		✓	Oscillating front axle, lockable, with remote greasing point	✓	
Neutral lever (lock out) for all controls	✓		11.00-20 16 PR, dual tires		✓
Ground-level accessible secondary engine shutoff switch in cab	✓		10.00-20, dual, solid rubber tires		✓
Bluetooth® receiver	✓		Rear and front end steps		✓
Anti-skid plate and countersunk bolts on service platform	✓		Two speed hydrostatic transmission	✓	
2D E-Fence		✓	2.75 mm (9'0") wide MH undercarriage		✓
Cab Avoidance		✓	2.99 mm (9'10") wide MH undercarriage		✓
Swing Assist		✓	Push Blade		✓
SERVICE AND MAINTENANCE			Counterweight 4200 kg (9,260 lb)		✓
Sampling ports for Scheduled Oil Sampling (S·O·S SM)	✓		Counterweight 4700 kg (10,370 lb)		✓
Automatic lubrication system for implement and swing system	✓				
Integrated vehicle health management system	✓				

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- 75 mm (3") retractable seat belt

SAFETY AND SECURITY

- Bluetooth key fob

GUARDS

- OPG (not compatible with cab light cover, rain protector)
- Mesh guard full front (not compatible with cab light cover, rain protector)

MH3024 Cab Option

Cab Option

	Deluxe
Sound-suppressed cab	●
Heated seat with air-adjustable suspension	●
Height-adjustable console, infinite with no tool	●
High-resolution 254 mm (10") LCD touchscreen monitor	●
Mechanical mirror	●
Automatic bi-level air conditioner	●
Jog dial and shortcut keys for monitor control	●
Keyless push-to-start engine control	●
51 mm seat belt	●
Unfastened seat belt warning	●
Bluetooth integrated radio with USB ports and speakers	●
Two 12V DC outlets	●
Document storage	●
Cup and bottle holders	●
Fixed one-piece front window (P5A classified)	●
Parallel wiper with washer	●
Fixed glass skylight hatch	●
LED dome lights	●
Foot Illumination	●
Rear window emergency exit	●
Washable floor mat	●
Beacon ready	●
Operator Protective Guards (OPG)	○
Operator Protective Guards (OPG) with roof wiper	○
Two LED cab lights	●
Rain visor (not compatible with OPG)	●

● Standard

○ Optional

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <https://www.caterpillar.com/en/company/sustainability>.

Engine

- The Cat C4.4 meets Brazil MAR-1 emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels** up to:
 - ✓ 100% biodiesel FAME (fatty acid methyl ester)*
 - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

**For use of blends higher than 20% biodiesel, consult your Cat dealer.*

***Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.05 kg (2.31 lb) of refrigerant which has a CO₂ equivalent of 1.502 metric tonnes (1.655 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
 - Barium < 0.01%
 - Cadmium < 0.01%
 - Chromium < 0.01%
 - Lead < 0.01%

Sound Performance

ISO 6395:2008 external	99 dB(A)
ISO 6396:2008 internal	70 dB(A)

- External Sound – The labelled spectator sound power level represents the Guaranteed Value per 2000/14/EC amended by 2005/88/EC, when properly equipped, and is measured according to the test procedures and conditions specified in ISO 6395:2008. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- 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).
- Blue Angel certified.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
 - Advanced electro-hydraulic systems balance power and efficiency
 - Extended service intervals help decrease maintenance costs
 - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval
 - Programmable high-efficiency cooling fans run only when needed
 - One-touch low idle with automatic engine speed control
 - Remote Flash and Remote Troubleshoot



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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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ4115-00 (11-2024)
Build Number: 07E
(Afr-ME, Eurasia,
S Am, SE Asia)

