



MH3250

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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MH3250 Material Handler Specifications

Engine

Engine Model	Cat® C9.3B	
Engine Power		
ISO 14396:2002	234 kW	314 hp
ISO 14396 (metric)	318 hp	
Net Power		
ISO 9249:2007	232 kW	311 hp
ISO 9249 (metric)	315 hp	
80/1269/EEC	311 hp	
Bore	115 mm	5 in
Stroke	149 mm	6 in
Displacement	9.3 L	568 in ³
Number of Cylinders	6	
Biodiesel Capability	Up to B20 ⁽¹⁾	

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Rated speed 1,800 rpm.
- Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, exhaust gas aftertreatment and alternator.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 2300 m (7,545 ft).

⁽¹⁾Cat engines are compatible with the following renewable, alternative, and biodiesel* fuels that reduce greenhouse gases on a lifecycle basis:

- ✓ Up to B20 biodiesel (FAME)**
- ✓ Up to 100% HVO and GTL renewable fuels

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

**Engines with aftertreatment devices can use up to B20. Engines with no aftertreatment devices can use higher blends, up to B100.

Swing Mechanism

Swing Speed	8.84 rpm	
Maximum Swing Torque	142 kN·m	104,734 lbf·ft

Weights

Operating Weight*	48 850 kg	107,700 lb
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*MH Boom, 7.6 m (24'11") industrial stick, 6.8 mt (14,990 lb) counterweight, 600 mm (24") triple grouser shoes, full fuel tank, 75 kg (165 lb) operator, grapple 3000 kg (6,610 lb).

Track

Standard Track Shoes Width	600 mm	24 in
Number of Shoes (each side)	52	
Number of Track Rollers (each side)	9	
Number of Carrier Rollers (each side)	3	

Drive

Gradeability	35°/70%	
Maximum Travel Speed	3.4 km/h	2.1 mph
Maximum Drawbar Pull	246 kN	55,281 lbf

Hydraulic System

Main System – Maximum Flow	558 L/min (279 × 2 pumps)	148 gal (74 × 2 pumps)
Maximum Pressure – Implements	35 000 kPa	5,076 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	32 000 kPa	4,061 psi
Medium Pressure – Maximum Flow	60 L/min	16 gal/min
Medium Pressure – Max Pressure	20 000 kPa	2,900 psi
Cylinders		
Boom Cylinder – Bore	160 mm	6.3 in
Boom Cylinder – Stroke	1357 mm	53.4 in
Stick Cylinder – Bore	140 mm	5.5 in
Stick Cylinder – Stroke	1400 mm	55.1 in

Service Refill Capacity

Fuel Tank (total capacity)	600 L	158.5 gal
Cooling System	40 L	10.6 gal
Engine Oil (with filter)	32 L	8.5 gal
Swing Drive (each)	18.0 L	4.8 gal
Final Drive (each)	15 L	4.0 gal
Hydraulic System (including tank)	373 L	98.5 gal
Hydraulic Tank	161 L	42.5 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21.1 gal

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Standards

Brakes	ISO 10265:2008
Cab/TOPS (Tip Over Protective Structure)	EN474-5:2006 + A3:2013
FOGS (Falling Object Guard) (optional)	ISO 10262:1998 (Level II)
Cab/Sound Levels	Meets appropriate standards as listed below

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 7096:2000-Spectral Class EM6	<0.7	

Sound Performance

Operator Sound	
ISO 6396:2008	73 dB(A)
Spectator Sound	
2000/14/EC	105 dB(A)

- Operator Sound – The operator sound level is measured according to the procedures specified in ISO 6396:2008, for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed.
- Exterior Sound – The labeled exterior sound power level is measured according to the test procedures specified in ISO 6395:2008.
- The machine sound power level meets the criteria that are specified in the applicable regional regulations, e.g. 2000/14/EC as amended by 2005/88/EC.
- 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).

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.2 kg of refrigerant which has a CO₂ equivalent of 1.716 metric tonnes.

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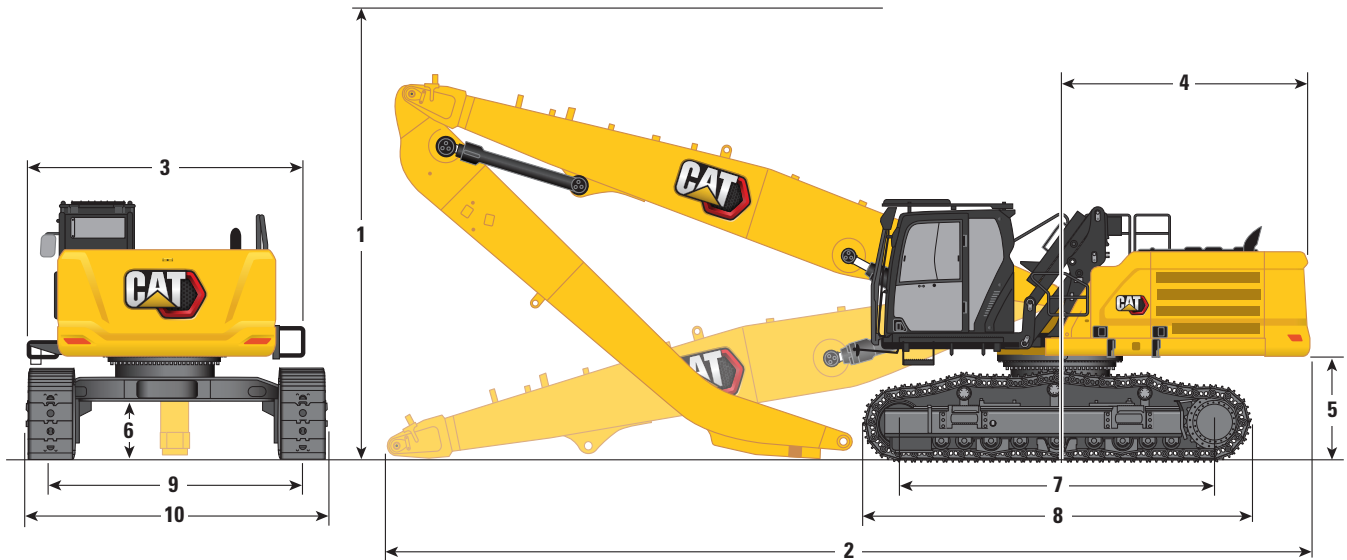
Major Component Weights

Base machine with variable gauge undercarriage with single flange track rollers and carrier rollers, with 600 mm (24") triple grouser track shoes and boom cylinders	32 250 kg	71,100 lb
Boom (including stick cylinders, pins and standard hydraulic lines):		
MH Boom 9.2 m (30'2")	4680 kg	10,320 lb
Stick (including pins and standard hydraulic lines):		
Industrial Stick 6.1 m (20'0")	1790 kg	3,950 lb
Industrial Stick 7.6 m (24'11")	2120 kg	4,670 lb
Counterweight:		
6800 kg (14,990 lb) Counterweight	6800 kg	14,990 lb
Two Boom Cylinders	830 kg	1,830 lb
Variable Gauge Undercarriage:		
Base Frame with DF Track Rollers and Carrier Rollers	10 460 kg	23,060 lb
Track Shoes:		
600 mm (24") Width, 15.5 mm (0.6") Thick, Triple Grouser Track Shoes	5290 kg	11,660 lb
Optional Equipment:		
Generator	180 kg	400 lb
FOGS Guard	130 kg	290 lb
Grapples (with mounting bracket):		
GSH425-750-S (0.75 m ³ /1.0 yd ³)	1674 kg	3,690 lb
GSH425-950-S (0.95 m ³ /1.25 yd ³)	1712 kg	3,770 lb
GSH425-1150-S (1.15 m ³ /1.5 yd ³)	1767 kg	3,900 lb
GSH440-950-S (0.95 m ³ /1.25 yd ³)	2183 kg	4,810 lb
GSH525-750-S (0.75 m ³ /1.0 yd ³)	2215 kg	4,880 lb
GSH525-750-C (0.75 m ³ /1.0 yd ³)	2311 kg	5,090 lb
GSH525-950-S (0.95 m ³ /1.25 yd ³)	1976 kg	4,360 lb
GSH525-950-C (0.95 m ³ /1.25 yd ³)	2168 kg	4,780 lb

MH3250 Material Handler Specifications

Dimensions

All dimensions are approximate.



Boom Option

**MH Boom
9.2 m (30'2")**

Stick Option

**Industrial
6.1 m (20'0")**

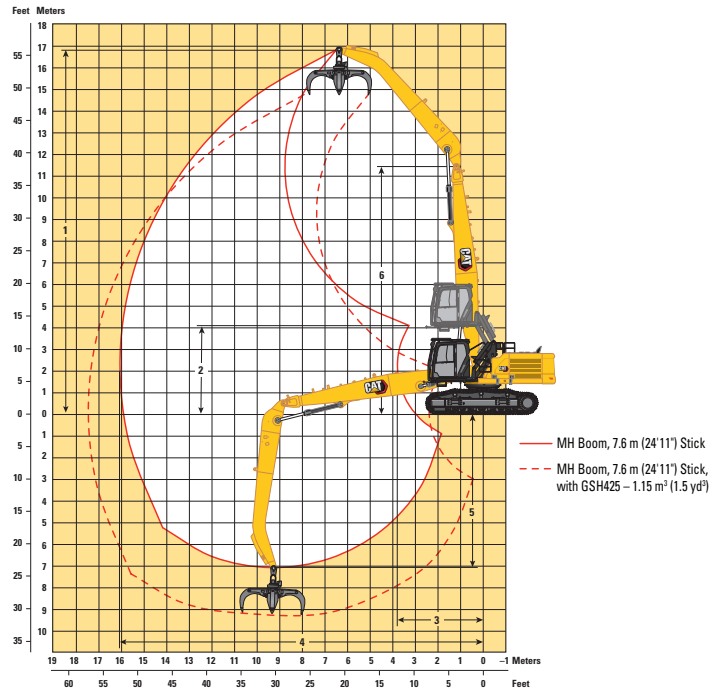
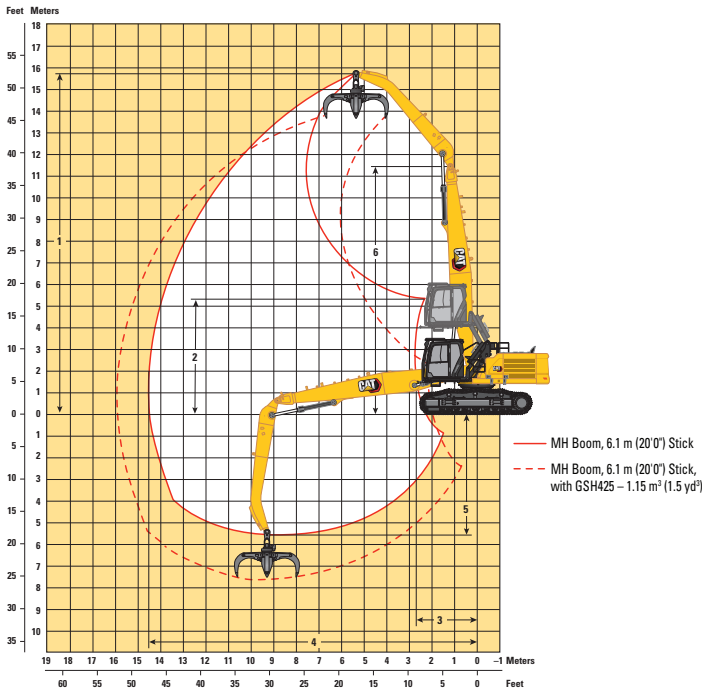
**Industrial
7.6 m (24'11")**

	Industrial 6.1 m (20'0")	Industrial 7.6 m (24'11")
1 Machine Height		
Shipping Height – without Falling Object Guard, without Stick	3500 mm 11'6"	3500 mm 11'6"
Shipping Height – with Falling Object Guard, without Stick	3570 mm 11'9"	3570 mm 11'9"
Cab Lowered – without Falling Object Guard	3500 mm 11'6"	3500 mm 11'6"
Cab Lowered – with Falling Object Guard	3570 mm 11'9"	3570 mm 11'9"
Cab Raised – without Falling Object Guard	6020 mm 19'9"	6020 mm 19'9"
Cab Raised – with Falling Object Guard	6160 mm 20'3"	6160 mm 20'3"
With Boom/Stick Installed	3520 mm 11'7"	5270 mm 17'3"
2 Machine Length		
Shipping Length – without Stick	12 700 mm 41'8"	12 700 mm 41'8"
With Boom/Stick Installed	12 950 mm 42'6"	12 610 mm 41'4"
3 Upper Frame Width		
Without Walkways and Handrails	2970 mm 9'9"	2970 mm 9'9"
Including Walkways and Handrails	3820 mm 12'6"	3820 mm 12'6"
4 Tail Swing Radius	3530 mm 11'7"	3530 mm 11'7"
5 Counterweight Clearance	1410 mm 4'8"	1410 mm 4'8"
6 Ground Clearance	700 mm 2'4"	700 mm 2'4"
7 Track Length – Length to Center of Rollers	4340 mm 14'3"	4340 mm 14'3"
8 Track Length	5350 mm 17'7"	5350 mm 17'7"
9 Track Gauge: Variable Gauge Undercarriage		
Retracted	3220 mm 10'7"	3220 mm 10'7"
Extended	3720 mm 12'2"	3720 mm 12'2"
10 Undercarriage Width		
Variable Gauge Undercarriage Retracted – 600 mm (24") Shoes	4010 mm 13'2"	4010 mm 13'2"
Variable Gauge Undercarriage Extended – Extended	4510 mm 14'10"	4510 mm 14'10"

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Working Ranges and Forces

All dimensions are approximate.



Boom Option

MH Boom 9.2 m (30'2")

Stick Option

Industrial 6.1 m (20'0")

Industrial 7.6 m (24'11")

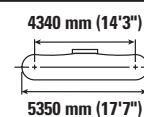
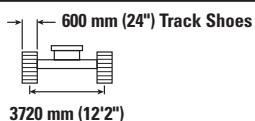
	Industrial 6.1 m (20'0")	51'9"	Industrial 7.6 m (24'11")	55'3"
1 Maximum Height*	15 770 mm	51'9"	16 850 mm	55'3"
2 Minimum Height*	5530 mm	18'2"	4090 mm	13'5"
3 Minimum Swing Radius – Front	2730 mm	8'11"	3870 mm	12'8"
4 Maximum Reach*	14 620 mm	48'0"	16 010 mm	52'6"
5 Maximum Depth*	5590 mm	18'4"	7090 mm	23'3"
6 Boom Pin Height	11 450 mm	37'7"	11 450 mm	37'7"

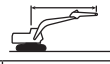










*Dimensions refer to stick nose pin.

MH3250 Material Handler Specifications

Lift Capacities – Counterweight: 6800 kg (14,990 lb)

Without attachment



		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")				mm ft/in
												
15 000 mm 50'0"	kg lb			*15,750	*15,750					*6050 *13,800	*6050 *13,800	7080 21'8"
13 500 mm 45'0"	kg lb					*8200 *17,100	*8200 *17,100	*5950	*5950	*5300 *11,800	*5300 *11,800	9310 29'7"
12 000 mm 40'0"	kg lb					*9350 *20,400	*9350 *20,400	*8300 *17,250	*8300 *17,250	*4900 *10,850	*4900 *10,850	10 880 35'1"
10 500 mm 35'0"	kg lb					*9350 *20,350	*9350 *20,350	*8300 *18,100	*8300 *18,100	*4700 *10,350	*4700 *10,350	12 070 39'2"
9000 mm 30'0"	kg lb					*9550 *20,700	*9550 *20,700	*8400 *18,250	*8400 *18,250	*4600 *10,100	*4600 *10,100	12 970 42'3"
7500 mm 25'0"	kg lb			*11 700 *25,400	*11 700 *25,400	*9900 *21,500	*9900 *21,500	*8600 *18,700	*8600 *18,700	*4550 *10,000	*4550 *10,000	13 650 44'7"
6000 mm 20'0"	kg lb	*16 200 *34,950	*16 200 *34,950	*12 650 *27,300	*12 650 *27,300	*10 400 *22,550	*10 400 *22,550	*8900 *19,250	*8900 *19,250	*4600 *10,100	*4600 *10,100	14 140 46'3"
4500 mm 15'0"	kg lb	*18 300 *39,400	*18 300 *39,400	*13 650 *29,450	*13 650 *29,450	*10 950 *23,700	*10 950 *23,700	*9150 *19,850	*9150 *19,850	*4700 *10,300	*4700 *10,300	14 450 47'4"
3000 mm 10'0"	kg lb	*11 400 *28,150	*11 400 *28,150	*14 400 *31,100	*14 400 *31,100	*11 350 *24,550	*11 350 *24,550	*9350 *20,300	9150 19,700	*4850 *10,650	4450 9,750	14 600 47'10"
1500 mm 5'0"	kg lb	*6150 *14,350	*6150 *14,350	*14 500 *31,400	*14 500 *31,400	*11 450 *24,750	11 300 24,400	*9400 *20,300	8750 18,850	*4900 *10,800	4350 9,600	14 600 47'10"
0 mm 0'0"	kg lb	*5800 *13,150	*5800 *13,150	*12 250 *28,450	*12 250 *28,450	*11 100 *24,050	10 900 23,450	*9150 *19,750	8450 18,200	*4600 *10,100	4400 9,650	14 440 47'4"
-1500 mm -5'0"	kg lb	*6350 *14,400	*6350 *14,400	*10 950 *25,050	*10 950 *25,050	*10 300 *22,350	*10 300 *22,350	*8550 *18,500	8250 17,750	*4250 *9,300	*4250 *9,300	14 120 46'3"
-3000 mm -10'0"	kg lb	*7200 *16,150	*7200 *16,150	*10 700 *23,150	*10 700 *23,150	*9100 *19,650	*9100 *19,650	*7650 *16,450	*7650 *16,450	*3750 *8,200	*3750 *8,200	13 620 44'7"
-4500 mm -15'0"	kg lb			*8400 *18,100	*8400 *18,100	*7450 *15,950	*7450 *15,950	*6350 *13,550	*6350 *13,550	*3500 *7,700	*3500 *7,700	12 600 40'11"



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

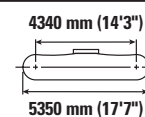
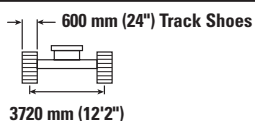
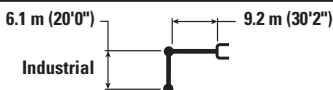
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









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MH3250 Material Handler Specifications

Lift Capacities – Counterweight: 6800 kg (14,990 lb) (continued)

Without attachment



		10 500 mm (35'0")		12 000 mm (40'0")		13 500 mm (45'0")				mm ft/in
										
15 000 mm 50'0"	kg lb							*6050 *13,800	*6050 *13,800	7080 21'8"
13 500 mm 45'0"	kg lb							*5300 *11,800	*5300 *11,800	9310 29'7"
12 000 mm 40'0"	kg lb	*5800 *11,050	*5800 *11,050					*4900 *10,850	*4900 *10,850	10 880 35'1"
10 500 mm 35'0"	kg lb	*7500 *16,350	*7500 *16,350	*4850	*4850			*4700 *10,350	*4700 *10,350	12 070 39'2"
9000 mm 30'0"	kg lb	*7500 *16,350	*7500 *16,350	*6800 *14,250	6550 14,000			*4600 *10,100	*4600 *10,100	12 970 42'3"
7500 mm 25'0"	kg lb	*7600 *16,550	*7600 *16,550	*6800 *14,750	6450 13,850	*5050	*5050	*4550 *10,000	*4550 *10,000	13 650 44'7"
6000 mm 20'0"	kg lb	*7750 *16,800	*7750 *16,800	*6850 *14,850	6300 13,600	6050 12,950	5200 11,150	*4600 *10,100	*4600 *10,100	14 140 46'3"
4500 mm 15'0"	kg lb	*7900 *17,100	7550 16,300	*6900 *14,900	6150 13,250	5950 12,750	5100 10,950	*4700 *10,300	4550 10,050	14 450 47'4"
3000 mm 10'0"	kg lb	*7950 *17,200	7300 15,700	*6850 *14,850	6000 12,850	5850 12,550	5000 10,750	*4850 *10,650	4450 9,750	14 600 47'10"
1500 mm 5'0"	kg lb	*7900 *17,100	7050 15,150	*6750 *14,550	5800 12,500	*5700 *12,250	4900 10,550	*4900 *10,800	4350 9,600	14 600 47'10"
0 mm 0'0"	kg lb	*7650 *16,550	6850 14,700	*6450 *13,900	5700 12,250	*5350 *11,450	4800 10,350	*4600 *10,100	4400 9,650	14 440 47'4"
-1500 mm -5'0"	kg lb	*7150 *15,450	6700 14,400	*5950 *12,800	5600 12,050	*4800 *10,100	4800 *10,100	*4250 *9,300	*4250 *9,300	14 120 46'3"
-3000 mm -10'0"	kg lb	*6400 *13,700	*6400 *13,700	*5200 *11,050	*5200 *11,050	*3900	*3900	*3750 *8,200	*3750 *8,200	13 620 44'7"
-4500 mm -15'0"	kg lb	*5250 *11,100	*5250 *11,100	*4050 *8,350	*4050 *8,350			*3500 *7,700	*3500 *7,700	12 600 40'11"



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

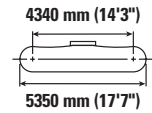
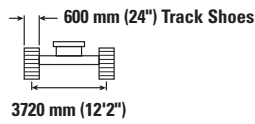
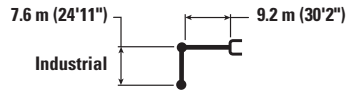
Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

MH3250 Material Handler Specifications

Lift Capacities – Counterweight: 6800 kg (14,990 lb)

Without attachment



Lift Height mm ft/in	Unit	3000 mm (10'0")		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")		mm ft/in		
		kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	kg lb	
15 000 mm 50'0"	kg lb									*5050 *9,800	*5050 *9,800	*4150 *9,250	*4150 *9,250	9640 30'6"
13 500 mm 45'0"	kg lb									*6600 *13,850	*6600 *13,850	*3750 *8,300	*3750 *8,300	11 370 36'6"
12 000 mm 40'0"	kg lb									*7400 *16,200	*7400 *16,200	*3500 *7,750	*3500 *7,750	12 690 41'1"
10 500 mm 35'0"	kg lb									*7400 *16,150	*7400 *16,150	*3400 *7,450	*3400 *7,450	13 720 44'7"
9000 mm 30'0"	kg lb									*7550 *16,350	*7550 *16,350	*3300 *7,250	*3300 *7,250	14 520 47'4"
7500 mm 25'0"	kg lb									*7800 *16,900	*7800 *16,900	*3300 *7,200	*3300 *7,200	15 130 49'5"
6000 mm 20'0"	kg lb							*9350 *20,200	*9350 *20,200	*8100 *17,600	*8100 *17,600	*3300 *7,250	*3300 *7,250	15 570 50'11"
4500 mm 15'0"	kg lb			*15 600 *33,700	*15 600 *33,700	*12 150 *26,300	*12 150 *26,300	*10 000 *21,650	*10 000 *21,650	*8500 *18,400	*8500 *18,400	*3350 *7,400	*3350 *7,400	15 860 51'11"
3000 mm 10'0"	kg lb			*17 950 *38,750	*17 950 *38,750	*13 300 *28,800	*13 300 *28,800	*10 650 *23,000	*10 650 *23,000	*8850 *19,150	*8850 *19,150	*3450 *7,600	*3450 *7,600	16 000 52'5"
1500 mm 5'0"	kg lb			*13 250 *31,550	*13 250 *31,550	*14 100 *30,500	*14 100 *30,500	*11 050 *23,950	*11 050 *23,950	*9100 *19,650	8900 19,150	*3600 *7,950	*3600 *7,950	15 990 52'5"
0 mm 0'0"	kg lb	*3450 *7,800	*3450 *7,800	*7600 *17,450	*7600 *17,450	*14 200 *30,750	*14 200 *30,750	*11 150 *24,150	11 050 23,750	*9100 *19,700	8500 18,300	*3800 *8,400	3700 8,100	15 850 51'11"
-1500 mm -5'0"	kg lb	*4000 *8,950	*4000 *8,950	*6750 *15,250	*6750 *15,250	*12 900 *29,500	*12 900 *29,500	*10 850 *23,450	10 600 22,800	*8850 *19,150	8200 17,600	*3800 *8,350	3750 8,250	15 550 50'11"
-3000 mm -10'0"	kg lb	*4700 *10,450	*4700 *10,450	*6800 *15,300	*6800 *15,300	*11 200 *25,600	*11 200 *25,600	*10 050 *21,750	*10 050 *21,750	*8300 *17,900	8000 17,200	*3450 *7,600	*3450 *7,600	15 110 49'5"
-4500 mm -15'0"	kg lb			*7200 *16,150	*7200 *16,150	*10 700 *23,050	*10 700 *23,050	*8900 *19,100	*8900 *19,100	*7400 *15,850	*7400 *15,850	*3050 *6,600	*3050 *6,600	14 490 47'4"
-6000 mm -20'0"	kg lb					*8450 *18,100	*8450 *18,100	*7250 *15,450	*7250 *15,450	*6050 *12,900	*6050 *12,900	*3100 *6,900	*3100 *6,900	13 040 42'2"



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

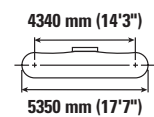
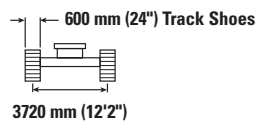
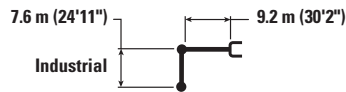
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

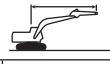










(continued on next page)

MH3250 Material Handler Specifications

Lift Capacities – Counterweight: 6800 kg (14,990 lb) (continued)

Without attachment



		10 500 mm (35'0")		12 000 mm (40'0")		13 500 mm (45'0")		15 000 mm (50'0")				mm ft/in
												
15 000 mm 50'0"	kg lb									*4150 *9,250	*4150 *9,250	9640 30'6"
13 500 mm 45'0"	kg lb	*5050 *10,050	*5050 *10,050							*3750 *8,300	*3750 *8,300	11 370 36'6"
12 000 mm 40'0"	kg lb	*6450 *13,500	*6450 *13,500	*4700 *9,150	*4700 *9,150					*3500 *7,750	*3500 *7,750	12 690 41'1"
10 500 mm 35'0"	kg lb	*6750 *14,750	*6750 *14,750	*6050 *12,500	*6050 *12,500	*3800	*3800			*3400 *7,450	*3400 *7,450	13 720 44'7"
9000 mm 30'0"	kg lb	*6850 *14,850	*6850 *14,850	*6250 *13,550	*6250 *13,550	*5250 *10,450	*5250 *10,450			*3300 *7,250	*3300 *7,250	14 520 47'4"
7500 mm 25'0"	kg lb	*7000 *15,150	*7000 *15,150	*6300 *13,700	*6300 *13,700	*5750 *12,400	5350 11,400	*3600	*3600	*3300 *7,200	*3300 *7,200	15 130 49'5"
6000 mm 20'0"	kg lb	*7200 *15,550	*7200 *15,550	*6400 *13,900	6400 13,750	*5750 *12,450	5250 11,200	*4650 *8,900	4300 *8,900	*3300 *7,250	*3300 *7,250	15 570 50'11"
4500 mm 15'0"	kg lb	*7400 *16,000	*7400 *16,000	*6500 *14,100	6200 13,300	*5800 *12,500	5100 10,950	4950 10,600	4250 9,100	*3350 *7,400	*3350 *7,400	15 860 51'11"
3000 mm 10'0"	kg lb	*7600 *16,400	7400 15,900	*6600 *14,300	6000 12,850	5750 12,350	4950 10,650	4850 10,400	4150 8,900	*3450 *7,600	*3450 *7,600	16 000 52'5"
1500 mm 5'0"	kg lb	*7700 *16,600	7100 15,200	*6600 *14,300	5800 12,450	5600 12,050	4800 10,350	4750 10,250	4100 8,750	*3600 *7,950	*3600 *7,950	15 990 52'5"
0 mm 0'0"	kg lb	*7650 *16,500	6800 14,650	*6500 *14,050	5600 12,050	5500 11,800	4700 10,100	*4650 *9,900	4000 8,600	*3800 *8,400	3700 8,100	15 850 51'11"
-1500 mm -5'0"	kg lb	*7400 *15,950	6600 14,200	*6250 *13,400	5450 11,700	*5250 *11,200	4600 9,900	*4250 *8,900	3950 8,500	*3800 *8,350	3750 8,250	15 550 50'11"
-3000 mm -10'0"	kg lb	*6900 *14,850	6450 13,850	*5750 *12,350	5350 11,500	*4700 *10,000	4550 9,750	*3550 *7,600	*3550	*3450 *7,600	*3450 *7,600	15 110 49'5"
-4500 mm -15'0"	kg lb	*6150 *13,100	*6150 *13,100	*5000 *10,650	*5000 *10,650	*3900 *8,100	*3900 *8,100			*3050 *6,600	*3050 *6,600	14 490 47'4"
-6000 mm -20'0"	kg lb	*5000 *10,500	*5000 *10,500	*3900 *8,100	*3900 *8,100					*3100 *6,900	*3100 *6,900	13 040 42'2"



ISO 10567



* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

MH3250 Material Handler Specifications

Work Tool Offering Guide – North America

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

PIN-ON ATTACHMENTS

Undercarriage		MH	
Counterweight		6800 kg (14,990 lb)	
Boom Type		MH	
Stick Length		6.1 m (20'0")	7.6 m (24'11")
Orange Peel Grapples	GSH425-750	●	●
	GSH425-950	●	●
	GSH425-1150	●	○
	GSH440-950	●	○
	GSH440-1150	●	◇
	GSH440-1550	○	
	GSH525-750	●	●
	GSH525-950	●	○
	GSH525-1150	●	◇

Maximum Material Density

- 1800 kg/m³ (3,000 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 600 kg/m³ (1,000 lb/yd³)
- No Match

MH3250 Material Handler Specifications

Work Tool Offering Guide – Europe

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

PIN-ON ATTACHMENTS			
Undercarriage		MH	
Counterweight		6800 kg (14,990 lb)	
Boom Type		MH	
Stick Length		6.1 m (20'0")	7.6 m (24'11")
Orange Peel Grapples	GSH425-750	●	●
	GSH425-950	●	●
	GSH425-1150	●	○
	GSH440-950	●	○
	GSH440-1150	●	◆
	GSH440-1550	○	
	GSH525-750	●	●
	GSH525-950	●	○
	GSH525-1150	●	◆
	GSV525-600	●	●
	GSV525-750	●	●
	GSV525-950	●	○
	GSV525-1150	●	○
	GSV525-1550	◇	◇
	Clamshell Grapples	CTV20-1300	●
CTV20-1500		○	◆
CTV20-1700		○	
CTV20-1900		○	
CTV20-2300		◆	
CTV30-1700		◆	
CTV30-1900		◆	

Maximum Material Density

● 1800 kg/m³ (3,000 lb/yd³)

○ 1200 kg/m³ (2,000 lb/yd³)

◆ 900 kg/m³ (1,500 lb/yd³)

◇ 600 kg/m³ (1,000 lb/yd³)

No Match

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Dual exit rear window kit (Canadian regulation)

SAFETY AND SECURITY

- 76 mm (3") retractable seat belt

GUARDS

- Mesh guard full front (not compatible with cab light cover, rain protector)
- Mesh guard lower half front
- Full protection vandalism guard

ELECTRICAL

- Jump start wiring

MH3250 Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
CAB			CAT TECHNOLOGY		
Advanced sound suppressed with rubber mount	✓		Cat Product Link™	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Remote Services capability	✓	
Automatic bi-level air conditioner	✓		ENGINE		
Jog dial and shortcut keys for monitor control	✓		3000 m (9,840 ft) altitude capability with no derate	✓	
Keyless push-to-start engine control	✓		115 amp alternator	✓	
Tilt-up left-side console	✓		-32° C (-25° F) cold start capability	✓	
Air suspension premium seat with headrest, heater, ventilator	✓		52° C (125° F) high ambient temperature capability	✓	
Height-adjustable console, infinite with no tool	✓		Single plane three horizontal cooling system	✓	
51 mm (2") orange seat belt	✓		Double element air filter with integrated precleaner	✓	
Bluetooth® integrated radio (including USB, aux port and microphone)	✓		Dual stage 4 micron main filter and 10 micron primary filter with water separator and water separator indicator switch in fuel line	✓	
2 × 12V DC outlets	✓		Electric fuel priming pump	✓	
Document storage	✓		Secure start with Personal Identification Number (PIN) code	✓	
Rear storage with net	✓		Remote disable	✓	
Overhead storage with net	✓		Automatic engine speed control	✓	
Cup holder	✓		HYDRAULIC SYSTEM		
Fixed one piece windshield (P5A glass)	✓		Electronic main control valve	✓	
Parallel wiper with washer	✓		Hydraulic main pump	✓	
Fixed P5A glass roof window (with one piece windshield)	✓		Auto warm up and cold lock out	✓	
Dome and lower LED interior lights	✓		Regeneration circuit for boom and stick	✓	
Floor welcome light	✓		Boom and stick lowering control check valves	✓	
Roller front sunscreen	✓		Medium pressure (grapple rotate) and cab riser valve	✓	
Roller rear sunscreen	✓		Capability of installing additional generator pump and circuit	✓	
Rear window emergency exit	✓		Reverse swing damping valve	✓	
Washable floor mat	✓		Automatic swing parking brake	✓	
Beacon ready	✓		High performance hydraulic return filter	✓	
Falling object guards (FOGS)	✓		Two speed travel	✓	
			Fine swing capability	✓ ⁽¹⁾	
			Capability of installing Cat Bio Hydraulic Oil	✓	

⁽¹⁾North America only

(continued on next page)

MH3250 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
UNDERCARRIAGE AND STRUCTURES			SERVICE AND MAINTENANCE		
Grease lubricated track GLT4, resin seal	✓		Service platform with anti-skid plate and recessed bolts	✓	
Guard, heavy duty bottom without swivel guard nor travel motor protection (recessed bolts)	✓		Grouped location for engine oil and fuel filters	✓	
Guard, heavy duty travel motor protection	✓		Sampling ports for Scheduled Oil Sampling (S·O·S SM)	✓	
Towing eye on base frame (ISO 15818 compliant)	✓		Remote flash	✓	
Three piece track guiding guard	✓		SAFETY AND SECURITY		
BOOMS, STICKS AND LINKAGES			RH handrail and hand hold (ISO 2867 compliant)	✓	
9.2 m (30'2") Material Handler boom	✓		Standard visibility mirror package	✓	
6.1 m (20'0") Industrial stick		✓	Signaling/warning horn	✓	
7.6 m (24'11") Industrial stick		✓	Secondary engine shutoff switch, still accessible while cab is in raised position	✓	
ELECTRICAL SYSTEM			Capability to electrically connect a beacon	✓	
Generator, 25 kW with wiring to stick nose		✓	Rear and side view cameras	✓	
Power fuse module	✓		Caterpillar One Key Security System	✓	
Maintenance free battery	✓		Lockable external tool/storage box	✓	
Centralized electrical disconnect switch	✓		Door locks and cap locks including fuel and hydraulic tanks	✓	
LED exterior lights (integrated into storage box and mounted on boom and stick sides)	✓		Lockable fuel drain compartment	✓	
Compatible with Electronic Technician	✓		COOLING SYSTEM		
			Cooling fan with reverse fan function	✓	

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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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AEXQ3208-01 (03-2022)
Replaces AEXQ3208
Build Number: 07B
(N Am, Eur)

