



MH3295

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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MH3295 Material Handler Specifications

Engine

Engine Model	Cat® C18	
Engine Power		
ISO 9249	404 kW	542 hp
ISO 9249 (metric)	550 mhp	
Engine Power		
ISO 14396	405 kW	543 hp
ISO 14396 (metric)	551 mhp	
Bore	145 mm	6 in
Stroke	183 mm	7 in
Displacement	18.1 L	1,105 in ³
Number of Cylinders	6	
Biodiesel Capability	Up to B20 ¹	

- Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014, and China Nonroad Stage IV emission standards.
- Recommended for use up to 4500 m (14,770 ft) altitude with engine power derate above 3000 m (9,840 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 engine is equipped with fan, air cleaner, Clean Emission Module (CEM) exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
- Rated speed 1,900 rpm.

⁽¹⁾Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:

- ✓ 20% 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.

*While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.

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

***Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).

Swing Mechanism

Swing Speed*	5.4 rpm	
Maximum Swing Torque	362 kN·m	267,300 lbf·ft

*For CE-marked machine default value may be set lower.

Operating Weights

Typical Configurations:

Short Boom ¹	100 700 kg	222,100 lb
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¹Operating weight includes 10.6 m (34'9") Short boom, 8.1 m (26'7") Drop Nose stick, 750 mm (30") double grouser shoes, 15.5 mt (34,060 lb) counterweight and no work tool.

Track

Standard Track Shoes Width	750 mm	30 in
Number of Shoes (each side)	57	
Number of Track Rollers (each side)	10	
Number of Carrier Rollers (each side)	3	

Drive

Maximum Gradeability	28°/53%	
Maximum Travel Speed	4.5 km/h	2.8 mph
Maximum Drawbar Pull	580 kN	130,400 lbf

Hydraulic System

Maximum Pressure		
Implements	35 000 kPa	5,080 psi
Travel Circuit	35 000 kPa	5,080 psi
Swing Circuit	31 000 kPa	4,496 psi

Maximum Flow

System	1064 L/min (532 × 2 pumps)	281 gal/min (141 × 2 pumps)
Swing System	295 L/min	78 gal/min
Boom Cylinder – Bore	210 mm	8 in
Boom Cylinder – Stroke	1967 mm	77 in
Stick Cylinder (Short Boom) – Bore	210 mm	8 in
Stick Cylinder (Short Boom) – Stroke	1967 mm	77 in

Service Refill Capacities

Fuel Tank Capacity	1220 L	322.3 gal
Cooling System	71 L	18.8 gal
Engine Oil (with filter)	67 L	17.7 gal
Swing Drive (each)	12 L	3.2 gal
Final Drive (each)	20 L	5.3 gal
Hydraulic System (including tank)	740 L	195.5 gal
Hydraulic Tank (including suction pipe)	432 L	114.1 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21.1 gal

Standards

Brakes	ISO 10265: 2008
Cab/Sound Levels	Meets appropriate standards on the next page

Sound Performance

ISO 6395:2008 external 109 dB(A)

ISO 6396:2008 internal 74 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).

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.8 kg (6.17 lb) of refrigerant which has a CO₂ equivalent 4.004 metric tonnes (4.414 tons).

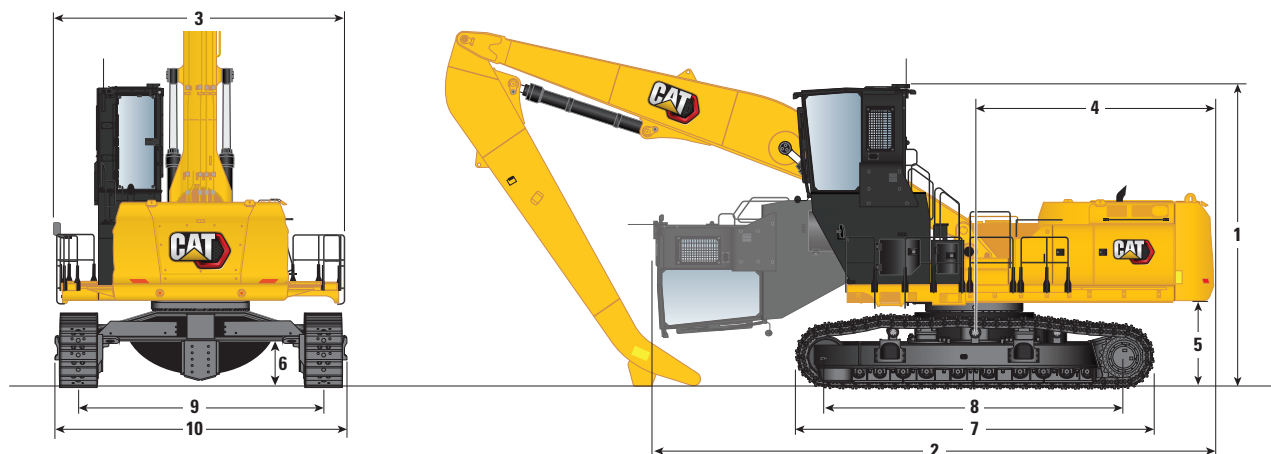
Major Component Weights

	kg	lb
Base machine with 15.5 mt (34,060 lb) counterweight, swing frame, base frame with track rollers and carrier rollers	74 310	163,820
Base machine with 17.4 mt (38,360 lb) counterweight, swing frame, base frame with track rollers and carrier rollers	76 260	168,120
Boom (including stick cylinders, pins and standard hydraulic lines):		
Short Boom 10.6 m (34'9")	9510	20,960
Stick (including pins and standard hydraulic lines):		
8.1 m (26'7") Drop Nose stick	4440	9,780
Counterweight:		
15.5 mt (34,060 lb) counterweight	15 450	34,060
17.4 mt (38,360 lb) counterweight	17 400	38,360
Two Boom Cylinders	1870	4,130
Variable Gauge Undercarriage:		
Base Frame with Track Rollers and Carrier Rollers	29 470	64,970
Track Shoes:		
750 mm (30") width, 20.5 mm (0.8") thick, double grouser track shoes	11 350	25,020
Grapples (with mounting bracket):		
GSM60	5860	12,910
CTV40	5020	11,070

MH3295 Material Handler Specifications

Dimensions

All dimensions are approximate.



Boom Options

Short Boom
10.6 m (34'9")

Stick Options

8.1 m (26'7")

1 Machine Height

Machine Height to Top of Cab	6010 mm	19'9"
Machine Height with Cab Tilted	3790 mm	12'5"
Machine Height to Top of Exhaust	4040 mm	13'3"

2 Machine Length

Shipping Length – Cab tilted without boom, stick and counterweight	10 460 mm	34'4"
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3 Upper Frame Width

Without walkways	4030 mm	13'3"
Including walkways and left-hand mirror	5850 mm	19'2"

4 Tail Swing Radius

4840 mm 15'11"

5 Counterweight Clearance

1700 mm 5'7"

6 Ground Clearance

850 mm 2'9"

7 Track Length

Track Length to Center of Rollers	5900 mm	19'4"
Track Length	7150 mm	23'5"

8 Track Gauge

Variable Gauge Undercarriage – Retracted	4080 mm	13'5"
Variable Gauge Undercarriage – Extended	4840 mm	15'11"

9 Track Width

Retracted – 750 mm (30") shoes	4830 mm	15'10"
Extended – 750 mm (30") shoes	5590 mm	18'4"

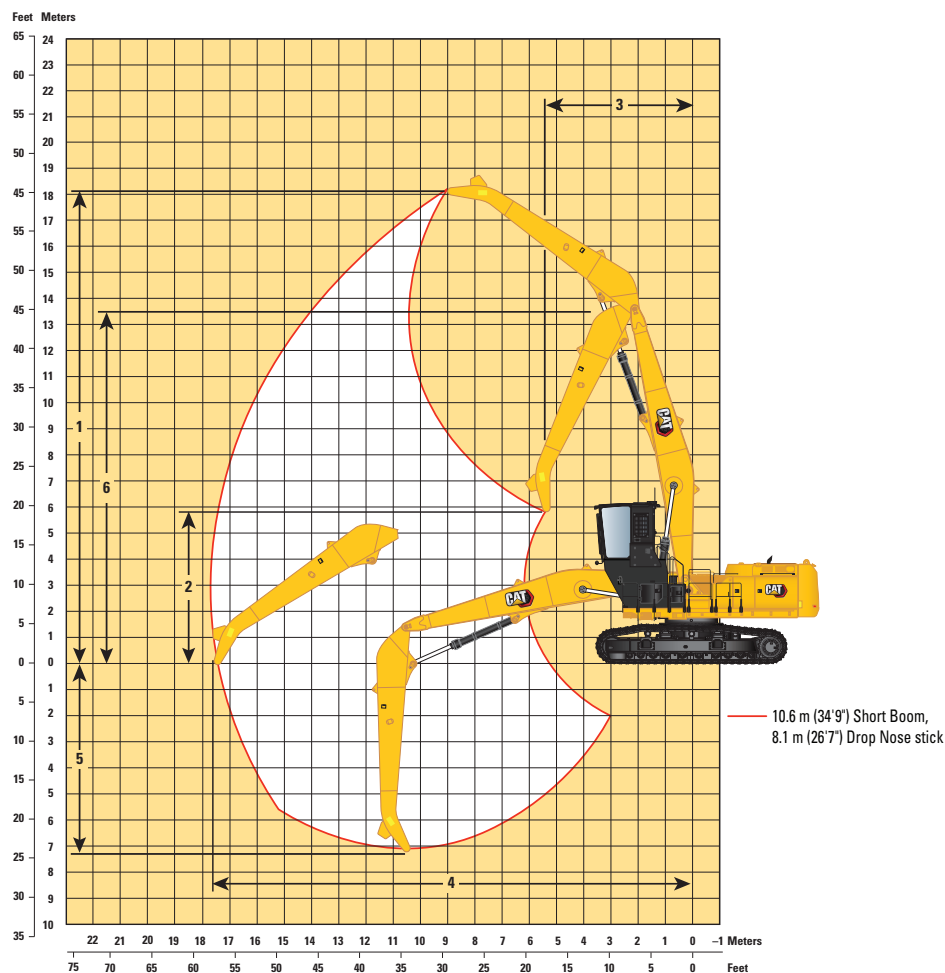
10 Undercarriage Width

Retracted – 750 mm (30") shoes	5020 mm	16'6"
Extended – 750 mm (30") shoes	5780 mm	19'0"

MH3295 Material Handler Specifications

Working Ranges and Forces

All dimensions are approximate.



Boom Options

Short Boom 10.6 m (34'9")

Stick Options

8.1 m (26'7")

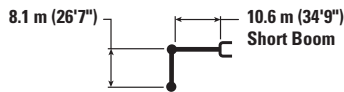
1 Maximum Height*	18 040 mm	59'2"
2 Minimum Height*	5980 mm	19'7"
3 Minimum Swing Radius – Front	5880 mm	19'3"
4 Maximum Reach*	17 590 mm	57'9"
5 Maximum Depth*	7060 mm	23'2"
6 Boom Pin Height	13 460 mm	44'2"

*Dimensions refer to stick nose pin.

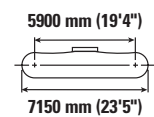
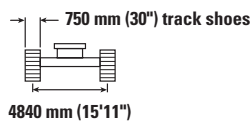
MH3295 Material Handler Specifications

Lift Capacities – Counterweight: 17.4 mt (38,360 lb)

Work tool: none



Short Boom



	4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")		10 500 mm (35'0")				mm ft/in
													
18 000 mm 60'00"	kg												9190
16 500 mm 55'00"	kg												
15 000 mm 50'00"	kg												
13 500 mm 45'00"	kg												
12 000 mm 40'00"	kg												
10 500 mm 35'00"	kg												
9000 mm 30'00"	kg												
7500 mm 25'00"	kg												
6000 mm 20'00"	kg												
4500 mm 15'00"	kg												
3000 mm 10'00"	kg												
1500 mm 5'00"	kg												
0 mm 0	kg												
-1500 mm -5'00"	kg												
-3000 mm -10'00"	kg												
-4500 mm -15'00"	kg												
-6000 mm -20'00"	kg												



ISO 10567:2007



* 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 $\pm 5\%$ for all available track shoes.

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

(continued on next page)

MH3295 Material Handler Specifications

Lift Capacities – Counterweight: 17.4 mt (38,360 lb) (continued)

Work tool: none

		12 000 mm (40'0'')		13 500 mm (45'0'')		15 000 mm (50'0'')		16 500 mm (55'0'')				mm ft/in
18 000 mm 60'00"	kg lb									*14 200	*14 200	9190
16 500 mm 55'00"	kg lb									*12 900 *28,750	*12 900 *28,750	11 300 36'00"
15 000 mm 50'00"	kg lb	*13 400 *28,500	*13 400 *28,500							*12 150 *26,950	*12 150 *26,950	12 900 41'06"
13 500 mm 45'00"	kg lb	*14 450 *31,150	*14 450 *31,150	*12 800 *27,000	*12 800 *27,000					*11 700 *25,900	*11 700 *25,900	14 150 45'10"
12 000 mm 40'00"	kg lb	*15 350 *33,300	*15 350 *33,300	*14 100 *30,150	*14 100 *30,150	*11 800	*11 800			*11 500 *25,350	*11 500 *25,350	15 150 49'03"
10 500 mm 35'00"	kg lb	*16 200 *35,300	*16 200 *35,300	*15 050 *32,750	*15 050 *32,750	*13 300 *28,050	*13 300 *28,050			*11 400 *25,150	*11 400 *25,150	15 950 52'00"
9000 mm 30'00"	kg lb	*16 550 *36,000	*16 550 *36,000	*15 250 *33,100	*15 250 *33,100	*14 100 *30,600	*14 100 *30,600	*11 650	*11 650	*11 450 *25,200	*11 450 *25,200	16 570 54'02"
7500 mm 25'00"	kg lb	*17 050 *37,000	*17 050 *37,000	*15 500 *33,700	*15 500 *33,700	*14 200 *30,850	*14 200 *30,850	*13 050 *27,000	*13 050 *27,000	*11 600 *25,500	*11 600 *25,500	17 030 55'09"
6000 mm 20'00"	kg lb	*17 550 *38,050	*17 550 *38,050	*15 800 *34,300	*15 800 *34,300	*14 350 *31,150	*14 350 *31,150	*13 050 *28,250	*13 050 *28,250	*11 850 *26,100	*11 850 *26,100	17 350 56'10"
4500 mm 15'00"	kg lb	*18 050 *39,100	*18 050 *39,100	*16 100 *34,900	*16 100 *34,900	*14 500 *31,350	*14 500 *31,350	*13 050 *28,200	*13 050 *28,200	*12 050 *26,550	*12 050 *26,550	17 540 57'06"
3000 mm 10'00"	kg lb	*18 400 *39,900	*18 400 *39,900	*16 300 *35,250	*16 300 *35,250	*14 500 *31,400	*14 500 *31,400	*12 950 *27,900	*12 950 *27,900	*11 750 *25,900	*11 750 *25,900	17 590 57'08"
1500 mm 5'00"	kg lb	*18 600 *40,250	*18 600 *40,250	*16 300 *35,300	*16 300 *35,300	*14 400 *31,100	*14 400 *31,100	*12 700 *27,250	*12 700 *27,250	*11 450 *25,250	*11 450 *25,250	17 520 57'05"
0 mm 0	kg lb	*18 500 *40,000	*18 500 *40,000	*16 100 *34,800	*16 100 *34,800	*14 100 *30,350	*14 100 *30,350	*12 200 *26,150	*12 200 *26,150	*11 150 *24,500	*11 150 *24,500	17 310 56'09"
-1500 mm -5'00"	kg lb	*18 000 *38,900	*18 000 *38,900	*15 600 *33,600	*15 600 *33,600	*13 500 *28,950	*13 500 *28,950	*11 400 *24,250	*11 400 *24,250	*10 700 *23,600	*10 700 *23,600	16 960 55'07"
-3000 mm -10'00"	kg lb	*17 050 *36,800	*17 050 *36,800	*14 650 *31,500	*14 650 *31,500	*12 500 *26,600	*12 500 *26,600			*10 200 *22,400	*10 200 *22,400	16 480 53'11"
-4500 mm -15'00"	kg lb	*15 550 *33,450	*15 550 *33,450	*13 250 *28,200	*13 250 *28,200	*10 900 *22,950	*10 900 *22,950			*9500 *20,800	*9500 *20,800	15 830 51'09"
-6000 mm -20'00"	kg lb	*13 400 *28,500	*13 400 *28,500	*11 100 *23,300	*11 100 *23,300					*9400 *20,950	*9400 *20,950	14 540 47'01"



ISO 10567:2007



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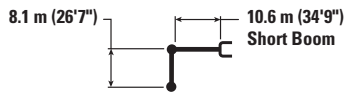
Lift capacity stays with ±5% for all available track shoes.

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

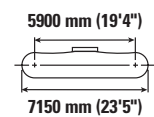
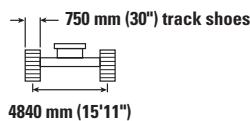
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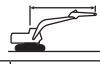
Lift Capacities – Counterweight: 15.5 mt (34,060 lb)

Work tool: none



Short Boom



		4500 mm (15'0")		6000 mm (20'0")		7500 mm (25'0")		9000 mm (30'0")		10 500 mm (35'0")				mm ft/in
														
18 000 mm 60'00"	kg lb											*14 200	*14 200	9190
16 500 mm 55'00"	kg lb									*13 900 *29,650	*13 900 *29,650	*12 900 *28,750	*12 900 *28,750	11 300 36'00"
15 000 mm 50'00"	kg lb									*14 750 *31,950	*14 750 *31,950	*12 150 *26,950	*12 150 *26,950	12 900 41'06"
13 500 mm 45'00"	kg lb									*15 300 *33,400	*15 300 *33,400	*11 700 *25,900	*11 700 *25,900	14 150 45'10"
12 000 mm 40'00"	kg lb									*15 900 *34,750	*15 900 *34,750	*11 500 *25,350	*11 500 *25,350	15 150 49'03"
10 500 mm 35'00"	kg lb									*16 650 *36,450	*16 650 *36,450	*11 400 *25,150	*11 400 *25,150	15 950 52'00"
9000 mm 30'00"	kg lb									*17 850 *39,100	*17 850 *39,100	*11 450 *25,200	*11 450 *25,200	16 570 54'02"
7500 mm 25'00"	kg lb							*19 100 *41,900	*19 100 *41,900	*18 900 *41,000	*18 900 *41,000	*11 600 *25,500	*11 600 *25,500	17 030 55'09"
6000 mm 20'00"	kg lb			*17 300 *37,800	*17 300 *37,800	*21 600 *47,050	*21 600 *47,050	*22 500 *48,750	*22 500 *48,750	*19 700 *42,700	*19 700 *42,700	*11 850 *26,100	*11 850 *26,100	17 350 56'10"
4500 mm 15'00"	kg lb					*28 450 *61,500	*28 450 *61,500	*23 750 *51,450	*23 750 *51,450	*20 500 *44,400	*20 500 *44,400	*12 050 *26,550	*11 750 25 850	17 540 57'06"
3000 mm 10'00"	kg lb					*30 100 *65,100	*30 100 *65,100	*24 800 *53,700	*24 800 *53,700	*21 150 *45,750	*21 150 *45,750	*11 750 *25,900	11 550 25 450	17 590 57'08"
1500 mm 5'00"	kg lb			*7950 *19,400	*7950 *19,400	*31 000 *67,100	*31 000 *67,100	*25 400 *55,000	*25 400 *55,000	*21 500 *46,550	*21 500 *46,550	*11 450 *25,250	*11 450 *25,250	17 520 57'05"
0 mm 0	kg lb			*7050 *16,700	*7050 *16,700	*20 400 *49,250	*20 400 *49,250	*25 400 *55,000	*25 400 *55,000	*21 450 *46,450	*21 450 *46,450	*11 150 *24,500	*11 150 *24,500	17 310 56'09"
-1500 mm -5'00"	kg lb	*3450 *8,050	*3450 *8,050	*7950 *18,450	*7950 *18,450	*17 450 *41,050	*17 450 *41,050	*24 750 *53,550	*24 750 *53,550	*20 950 *45,300	*20 950 *45,300	*10 700 *23,600	*10 700 *23,600	16 960 55'07"
-3000 mm -10'00"	kg lb	*5500 *12,600	*5500 *12,600	*9500 *21,850	*9500 *21,850	*17 450 *40,650	*17 450 *40,650	*23 350 *50,550	*23 350 *50,550	*19 900 *42,950	*19 900 *42,950	*10 200 *22,400	*10 200 *22,400	16 480 53'11"
-4500 mm -15'00"	kg lb			*11 400 *26,050	*11 400 *26,050	*18 800 *43,500	*18 800 *43,500	*21 250 *45,850	*21 250 *45,850	*18 200 *39,150	*18 200 *39,150	*9500 *20,800	*9500 *20,800	15 830 51'09"
-6000 mm -20'00"	kg lb					*21 000 *45,350	*21 000 *45,350	*18 300 *39,300	*18 300 *39,300	*15 750 *33,750	*15 750 *33,750	*9400 *20,950	*9400 *20,950	14 540 47'01"



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Lift capacity stays with $\pm 5\%$ for all available track shoes.

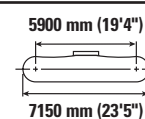
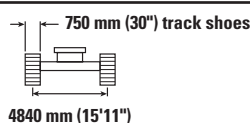
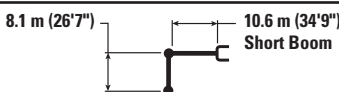
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

(continued on next page)

MH3295 Material Handler Specifications

Lift Capacities – Counterweight: 15.5 mt (34,060 lb) (continued)

Work tool: none



		12 000 mm (40'0")		13 500 mm (45'0")		15 000 mm (50'0")		16 500 mm (55'0")				mm ft/in
18 000 mm 60'00"	kg lb									*14 200	*14 200	9190
16 500 mm 55'00"	kg lb									*12 900 *28,750	*12 900 *28,750	11 300 36'00"
15 000 mm 50'00"	kg lb	*13 400 *28,500	*13 400 *28,500							*12 150 *26,950	*12 150 *26,950	12 900 41'06"
13 500 mm 45'00"	kg lb	*14 450 *31,150	*14 450 *31,150	*12 800 *27,000	*12 800 *27,000					*11 700 *25,900	*11 700 *25,900	14 150 45'10"
12 000 mm 40'00"	kg lb	*15 350 *33,300	*15 350 *33,300	*14 100 *30,150	*14 100 *30,150	*11 800 *26,450	*11 800 *26,450			*11 500 *25,350	*11 500 *25,350	15 150 49'03"
10 500 mm 35'00"	kg lb	*16 200 *35,300	*16 200 *35,300	*15 050 *32,750	*15 050 *32,750	*13 300 *28,050	*13 300 *28,050			*11 400 *25,150	*11 400 *25,150	15 950 52'00"
9000 mm 30'00"	kg lb	*16 550 *36,000	*16 550 *36,000	*15 250 *33,100	*15 250 *33,100	*14 100 *30,600	*14 100 *30,600	*11 650 *25,600	*11 650 *25,600	*11 450 *25,200	*11 450 *25,200	16 570 54'02"
7500 mm 25'00"	kg lb	*17 050 *37,000	*17 050 *37,000	*15 500 *33,700	*15 500 *33,700	*14 200 *30,850	*14 200 *30,850	*13 050 *27,000	*13 050 *27,000	*11 600 *25,500	*11 600 *25,500	17 030 55'09"
6000 mm 20'00"	kg lb	*17 550 *38,050	*17 550 *38,050	*15 800 *34,300	*15 800 *34,300	*14 350 *31,150	*14 350 *31,150	*13 050 *28,250	*13 050 *28,250	*11 850 *26,100	*11 850 *26,100	17 350 56'10"
4500 mm 15'00"	kg lb	*18 050 *39,100	*18 050 *39,100	*16 100 *34,900	*16 100 *34,900	*14 500 *31,350	*14 500 *31,350	*13 050 *28,200	12 900 27 750	*12 050 *26,550	11 750 25 850	17 540 57'06"
3000 mm 10'00"	kg lb	*18 400 *39,900	*18 400 *39,900	*16 300 *35,250	*16 300 *35,250	*14 500 *31,400	*14 500 *31,400	*12 950 *27,900	12 750 27 400	*11 750 *25,900	11 550 25 450	17 590 57'08"
1500 mm 5'00"	kg lb	*18 600 *40,250	*18 600 *40,250	*16 300 *35,300	*16 300 *35,300	*14 400 *31,100	*14 400 *31,100	*12 700 *27,250	12 550 27 000	*11 450 *25,250	*11 450 *25,250	17 520 57'05"
0 mm 0	kg lb	*18 500 *40,000	*18 500 *40,000	*16 100 *34,800	*16 100 *34,800	*14 100 *30,350	*14 100 *30,350	*12 200 *26,150	*12 200 *26,150	*11 150 *24,500	*11 150 *24,500	17 310 56'09"
-1500 mm -5'00"	kg lb	*18 000 *38,900	*18 000 *38,900	*15 600 *33,600	*15 600 *33,600	*13 500 *28,950	*13 500 *28,950	*11 400 *24,250	*11 400 *24,250	*10 700 *23,600	*10 700 *23,600	16 960 55'07"
-3000 mm -10'00"	kg lb	*17 050 *36,800	*17 050 *36,800	*14 650 *31,500	*14 650 *31,500	*12 500 *26,600	*12 500 *26,600			*10 200 *22,400	*10 200 *22,400	16 480 53'11"
-4500 mm -15'00"	kg lb	*15 550 *33,450	*15 550 *33,450	*13 250 *28,200	*13 250 *28,200	*10 900 *22,950	*10 900 *22,950			*9500 *20,800	*9500 *20,800	15 830 51'09"
-6000 mm -20'00"	kg lb	*13 400 *28,500	*13 400 *28,500	*11 100 *23,300	*11 100 *23,300					*9400 *20,950	*9400 *20,950	14 540 47'01"



ISO 10567:2007



* 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.

MH3295 Material Handler Specifications

Attachments 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		15.5 MT
Boom Type		10.6 m (34'9")
Stick Length		8.1 m (26'7")
Orange Peel Grapples	GSM-60-3750	○
Clamshell Grapples	CTV40-3500	●
	CTV40-4000	○
	CTV40-4500	○
	CTV40-5000	○
	CTV40-6100	◆

Maximum Material Density

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

MH3295 Material Handler Specifications

Attachments 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		15.5 MT
Boom Type		10.6 m (34'9")
Stick Length		8.1 m (26'7")
Clamshell Grapples	CTV40-3500	●
	CTV40-3800 BOCE	○
	CTV40-4000	○
	CTV40-4500	○
	CTV40-4600 BOCE	○
	CTV40-5000	○
	CTV40-5000 BOCE	◆
	CTV40-5400 BOCE	◆
	CTV40-6100	◆

Maximum Material Density

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

MH3295 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			ENGINE		
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Cat C18 diesel engine	✓	
Automatic bi-level air conditioner	✓		Automatic engine speed control	✓	
Keyless push-to-start engine control	✓		Three selectable modes: Power, Smart, Eco	✓	
Heated and cooled seat with air-adjustable suspension	✓		Up to 3000 m (9,840 ft) altitude capability without engine power de-rate	✓	
1829 mm (72") fixed riser	✓		Cold starting capability for -18°C (0°F)	✓	
51 mm (2") orange 4-point harness seat belt	✓		Double element air filter with integrated pre-cleaner	✓	
Bluetooth® integrated radio (including USB, auxiliary port and microphone)	✓		Primary filter with water separator, water separator indicator switch, and fuel absolute pressure sensor in fuel line	✓	
12V DC outlets	✓		95 amp alternator	✓	
Auxiliary relay		✓	Single plane three horizontal cooling system	✓	
Behind seat storage	✓		Dual stage 5.5 micron primary filter and 4.4 micron 2nd/3rd filter in Fuel Line	✓	
Polycarbonate windows	✓		On-demand electric cooling fans with auto-reverse function	✓	
32 mm (1.25") thick polycarbonate front window	✓		Biodiesel capability up to B20	✓	
Windshield wiper and washer	✓		HYDRAULIC SYSTEM		
LED dome and floor lights	✓		Hydraulic main pump	✓	
CB radio mounts		✓	Electronic main control valve	✓	
Retractable sunshade	✓		Automatic hydraulic oil warm up	✓	
Rear entry	✓		Boom and stick regeneration circuits	✓	
CAT TECHNOLOGY			Boom and stick lowering control check valves	✓	
Cat Equipment Management:			Two travel speed modes	✓	
– VisionLink®	✓ ¹		Medium pressure (grapple rotate) and cab riser valve	✓	
– Remote Flash	✓		SmartBoom™	✓	
– Remote Troubleshoot	✓		Joystick steering		✓
			Automatic swing brake	✓	
			Cat BIO HYDO™ Advanced biodegradable hydraulic oil		✓
			Automatic swing parking brake	✓	
			High performance hydraulic return filter	✓	

(continued on next page)

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.

MH3295 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	✓		Scheduled Oil Sampling (S·O·S SM) ports	✓	
Heavy duty, single flange track rollers	✓		Grouped location for engine oil and fuel filters	✓	
Heavy duty fabricated idler	✓		Automatic lubrication system for implement and swing system	✓	
Heavy duty bottom without swivel guard or travel motor protection (recessed bolts)	✓		SAFETY AND SECURITY		
Heavy duty travel motor protection	✓		Rear, left-side-view, and right-side-view cameras	✓	
Swivel protection 5 mm (0.2 in)	✓		Standard visibility mirror package	✓	
Towing eye on baseframe	✓		Caterpillar One Key Security System	✓	
Counterweight 15 450 kg (34,060 lb)		✓	Signal/warning horn	✓	
Counterweight 17 400 kg (38,360 lb)		✓	Lockable external tool/storage box	✓	
BOOMS, STICKS AND LINKAGES			Lockable Fuel drain compartment	✓	
Short Boom 10.6 m (34'9")	✓		Secondary engine shutoff switch	✓	
8.1 m (26'7") Drop Nose stick	✓		Door locks and cap locks including fuel and hydraulic tanks	✓	
ELECTRICAL SYSTEM			Right-hand handrail and hand hold	✓	
LED lights on boom, stick, cab, and storage box	✓		Inspection lights		✓
Power fuse module	✓		2D E-fence	✓	
Maintenance free batteries	✓		Cab Avoidance	✓	
Centralized electrical disconnect switch	✓		Swing Assist	✓	
			Easy lock cab tilting system	✓	

MH3295 Environmental Declaration

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® C18 engine meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014, and China Nonroad Stage IV emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with ULSD blended with the following lower-carbon intensity fuels** up to:
 - ✓ 20% 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.

**While Caterpillar engines are compatible with these alternative fuels, some regions may not allow their use.*

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

****Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 2.8 kg (6.17 lb) of refrigerant which has a CO₂ equivalent of 4.004 metric tonnes (4.414 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 109 dB(A)

ISO 6396:2008 internal 74 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).

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 hydraulic systems help balance power and efficiency
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode helps minimize fuel consumption for light applications
 - Extended service intervals help decrease maintenance costs
 - The latest hydraulic oil filter helps provide long life with a 3,000-hour replacement interval
 - 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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