

Engine			
Engine Model	Cat [®] C7 ACER	Ттм	
Net Flywheel Power	152 kW	204 hp	
Weights			
Operating Weight	35 526 kg	78,321 lb	
Operating Specifications			
Max Reach - 19'8"	14 121 mm	46 ft 4 in	
Stick			

Max Reach - 24'3" 15 514 mm 50 ft 11 in Stick

325D Material Handler

The D Series is tough, dependable, and incorporates innovative features for improved performance.

325D MH Material Handler

Special features provide for aggressive performance, reliability, and excellent productivity. **pg. 4**

325D MH Two-Piece Caterpillar® Front Linkage

Caterpillar 325D Material Handler fronts are purpose designed and built for excellent reach, flexibility, and lift performance to meet all requirements of material handling applications.

pg. 5

Engine

✓ ACERT™ Technology works at the point of combustion to optimize engine performance and provide low exhaust emissions to meet U.S. EPA Tier 3 emission regulations, with exceptional performance capabilities and proven reliability. pg. 6

More powerful engine, improved cooling system, longer track length, increased hydraulic pressure, and cab riser options lead to increased productivity and lower operating cost.



Structures

The 325D MH structural components are the backbone of the machine's durability and provide for excellent stability. **pg. 7**

Work Tools - Attachments

A variety of grapples and magnets are available to maximize machine performance in material handling applications. **pg. 8**

Serviceability and Complete Customer Support

Simplified service and maintenance features save you time and money. Your CAT® dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. **pg. 9**



325D MH Material Handler

Special features provide for aggressive performance, reliability, and excellent productivity.



Fixed Cab Riser. CAT® designed and built, 6'5" (1.95 m) manual tilt cab riser provides for operating height with excellent visibility for loading and unloading processing equipment, trucks, and rail cars. Access to the cab is provided by a ladder leading up to the platform extending around the cab riser. This platform will allow for windshield cleaning. The cab riser can be manually tilted forward 90 degrees for shipping.



Hydraulic Cab Riser. Optional hydraulic cab riser provides up to 8'6" (2.6 m) of additional operating height. There is easy access to the cab platform provided by handrails attached to the riser.

Operator Controls. The ability to modulate the grapple open-close function is also provided on the right side joystick. The rotate function is modulated by using a slider switch mounted on the joystick.



Cooling System. External debris filters allow easy access for cleaning. This prevents clogging from dirt and dust coming into the cooling system. The optional automatic reversing fan purges dirt and dust from cooling system.



Generator Set. An optional 20 kW generator set can power magnets up to 66" (1.68 m) in diameter.

325D MH Two-Piece Caterpillar Front Linkage

Caterpillar 325D Material Handler fronts are purpose designed and built for excellent reach, flexibility, and lift performance to meet all requirements of material handling applications.



The CAT® Two-Piece Front Linkage.

Offers a maximum horizontal reach of 50'11" (15.5 m) from swing center and maximum vertical height of 53'11" (16.4 m). It is an excellent match for a .75 yd³ (.57 cubic meter) Orange Peel Grapple or a 57" (1.45 m) Walker Magnet.

The optional 46'4" (14.1 m) two-piece front linkage has a maximum vertical reach of 49'6" (15.1 m) and is an excellent match for a 1.25 yd³ (0.96 cubic meter) Orange Peel Grapple or the 66" (1.68m) Walker magnet.

Booms and Sticks. Designed and built for performance and long service life.

Welded Box-Section Structures.

Efficiently designed with thick, multiplate fabrications in high stress areas, which allows structures to flex, dissipating stress and maximizing strength.

$\label{thm:constraints} \textbf{Stress Relieving Booms and Sticks}.$

Maximize strength and minimizes structure weight.

Dual Stick Cylinders. Provides excellent geometry for working close to the machine or at full reach.

Heavy Lift. Provides additional lifting capacity for handling of heavy, robust objects.

Engine

Built for power, reliability, economy, and lower emissions.



CAT® C7 ACERT™. The CAT® C7 with ACERT™ Technology works introduces a series of evolutionary, incremental improvements that provide breakthrough engine technology. The building blocks of ACERT™ Technology are fuel delivery, air management, and electronic control. ACERT™ Technology optimizes engine performance while meeting U.S. EPA Tier 3 engine emissions regulations.

Performance. The 325D MH, equipped with the C7 engine with ACERTTM Technology, provides 12% more horsepower as compared to the 3126B ATAAC HEUI in the 325C MH.

Automatic Engine Control Speed Control. The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.

ADEM™ A4 Engine Controller.

ADEMTM A4 electronic control module manages fuel delivery to get best performance per liter of fuel used. The engine management system provides flexible fuel mapping, allowing the engine to respond quickly to varying application needs. It tracks engine and machine conditions while keeping the engine operating at peak efficiency.

Electronic Control Module. The Electronic Control Module (ECM) works as the "brain" of the engine's control system, responding quickly to operating variables to maximum engine efficiency. Fully integrated with sensors in the engine's fuel, air, coolant, and exhaust systems, the ECM stores and relays information on conditions such as RPM, fuel consumption, and diagnostic information.

Fuel Delivery. The CAT® C7 features electronic controls that govern the fuel injection system. Multiple injection fuel delivery involves a high degree of precision.

Air Cleaner. The radial seal air filter features a double-layered filter core for more efficient filtration and is located in a compartment behind the cab. A warning is displayed on the monitor when dust accumulated above the preset level.

Noise Reduction Technologies. The engine mounts are rubber-isolating mounts matched with the engine package. Further noise reduction has been achieved through design changes to the isolated top cover, oil pan, multiple injection strategy, insulated timing cover, sculpted crankcase and gear train refinements.

Structures

The 325D MH structural components are the backbone of the machine's durability and provide for excellent stability.



High, Square Undercarriage. Provides excellent over-the-side stability required to handle heavy loads and improve productivity.

Excellent ground clearance provided to clear obstacles.

Longer track roller frames increase over-the-front stability. Stands up in the toughest applications.

Modified X-shaped, box section carbody provides excellent resistance to torsional bending. Upper structure weight and stresses are distributed evenly across the full length of the roller track frame.



Heavy Duty Upper Frame. The upper frame is specifically designed for the scrap and material handling applications. It is built of higher strength material and thicker steel sections to handle increased swing loads from the longer front and heavier counterweights used in material handling.

Work Tools - Attachments

A variety of grapples and magnets are available to maximize machine performance in material handling applications.

Work Tool Selection. When choosing a work tool, please consider the work tool application, the variation of the density of material to be handled and productivity requirements. Check with your CAT® dealer for more details on specifications, sizes, and other work tool types.



Walker Magnets. The Walker 57" (1.45 m) or 66" (1.68 m) Lift Master magnets can be used with the 325D MH. These magnets have been designed and engineered for scrap processing applications. Ask your dealer salesperson for information on the Walker Magnet.



Orange Peel Grapples. The .75 yd³ and the 1.25 yd³ Orange Peel Grapples are available attachments.

Serviceability and Complete Customer Support

Simplified service and maintenance features save you time and money. Your CAT® dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment.

Ground Level Service. The design and layout of the 325D MH was made with the service technician in mind. Many service locations are easily accessible at ground level allowing critical maintenance to get done quickly and efficiently.

Pump Compartment. A service door on the right side of the upper structure allows ground-level access to the pump and pilot filter.

Radiator Compartment. The left rear service door allows easy access to the engine radiator, oil cooler and air-to-air-after-cooler. A reserve tank and drain cock are attached to the radiator for simplified maintenance.

Air Filter Compartment. The air filter features a double-element construction for superior cleaning efficiency. When the air cleaner plugs, a warning is displayed on the monitor screen inside the cab.

Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. This filter prevents contaminants from entering the system when hydraulic oil is changed and keeps the operation clean.

Fan Guard. Engine radiator fan is completely enclosed by fine wire mesh, reducing the risk of an accident.

Diagnostic and Monitoring. The 325D MH is equipped with S•O•SSM sampling ports and hydraulic test ports for the hydraulic system, engine oil, and for coolant. A test connection for the CAT[®] Electronic Technician (CAT[®] ET) service tool is located in the cab.

Extended Service Interval. The 325D MH service and maintenance intervals have been extended to reduce machine service time and increase machine availability



CAT® Dealer Maintenance. Choose from your CAT® Dealer's wide range of maintenance services at the time you purchase your machine. Preventive Maintenance will help you to avoid unscheduled repairs and diagnostic programs such as Scheduled Oil Sampling and Technical Analysis are available.

Product Support. You will find nearly all parts at our dealer parts counter. CAT® dealers utilize a worldwide computer network to find in-stock parts to minimize machine down time. Save money with remanufactured components.

Machine Selection. Make detailed comparisons of the machines you are considering before you buy. What are the job requirements, machine attachments and operating hours? What production is needed? Your CAT® dealer can provide recommendations.

Customer Support Agreements. CAT® dealers offer a variety of product support agreements, and work with customers to develop a plan that best meets specific needs. These plans can cover the entire machine, including attachments, to help protect the customer's investment.

Engine		
Engine Model	Cat® C7 AC	ERT™
Net Flywheel Power	152 kW	204 hp
Net Power - ISO 9249	152 kW	204 hp
Net Power - SAE J1349	151 kW	202 hp
Net Power - EEC 80/1269	152 kW	204 hp
Bore	110 mm	4.33 in
Stroke	127 mm	5 in
Displacement	7.2 L	440 in ³

- The 325D MH meets U.S. EPA Tier 3 emissions and EU Stage III engine emissions requirements.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- No engine derating needed up to 2300 m(7,500 ft).

Operating Specifications		
Cab Riser - Fixed	1.96 m	6 ft 6 in
Cab Riser - Hydraulic	2.6 m	8 ft 6 in
Generator Set	20 kW	27 hp
Max Reach - 19'8" Stick	14 121 mm	46 ft 4 in
Max Reach - 24'3" Stick	15 514 mm	50 ft 11 in

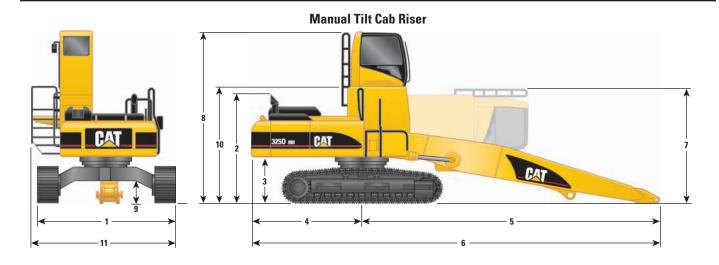
Hydraulic System		
Maximum Flow (each of two pumps)	235 L/min	62 gal/min
Max. Pressure Implements	35 000 kPa	5,076 psi
Max Pressure - Heavy Lift	36 000 kPa	5,221.36 psi
Max. Pressure Travel	35 000 kPa	5,076 psi
Max. Pressure - Swing	28 900 kPa	4,192 psi
Pilot System Max. Flow	32.4 L/min	8.6 gal/min
Pilot System Max. Pressure	3900 kPa	566 psi
Rotate Circuit for Grapple Max. Flow	57 L/min	15 gal/min
Rotate Circuit for Grapple Operating Pressure	13 789 kPa	2,000 psi
Generator Auxiliary Pump Max Flow	159 L/min	42 gal/min
Generator Auxiliary Pump Max Pressure	17 237 kPa	2,500 psi

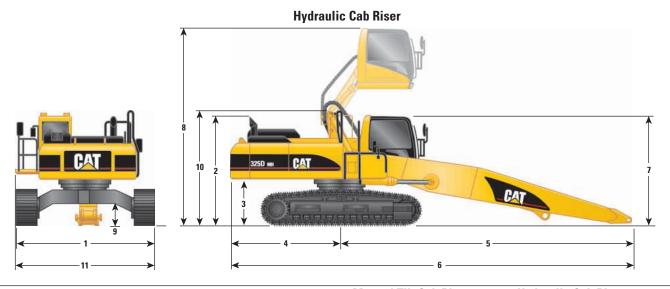
Operating Weight	35 526 kg	78,321 lb
Upper	9194 kg	20,269 lb
Counterweight	7700 kg	16,980 lb
Undercarriage (includes carbody)	11 402 kg	25,137 lb
Two-Piece Front (with cylinders)	5889 kg	12,983 lb
Grapple/Adapter	1341 kg	2,956 lb
Swing Mechanism		
Swing Torque	86.3 kN⋅m	63,659 lb ft
Swing Speed	10.2 RPM	
Track		
	600 mm	24 in
Track Shoes	600 mm 3394 mm	24 in 133.6 in
Track Shoes Gauge		
Track Shoes Gauge Shoes (each side)	3394 mm	
Track Track Shoes Gauge Shoes (each side) Rollers (each side) Overall Track Length	3394 mm 50	
Track Shoes Gauge Shoes (each side) Rollers (each side)	3394 mm 50 9	133.6 in
Track Shoes Gauge Shoes (each side) Rollers (each side) Overall Track Length	3394 mm 50 9	133.6 in

Service Refill Capacities		
Fuel Tank	520 L	137 gal
Cooling System	30 L	7.9 gal
Engine Oil	30 L	7.9 gal
Swing Drive	10 L	2.6 gal
Final Drive (each)	6 L	1.6 gal
Hydraulic System (including tank)	310 L	82 gal
Hydraulic Tank	145 L	38 gal
Drive		
Maximum Drawbar Pull	245 kN	55,078.18 lb
Maximum Travel Speed	5.3 km/h	3.3 mph

Dimensions

All dimensions are approximate.



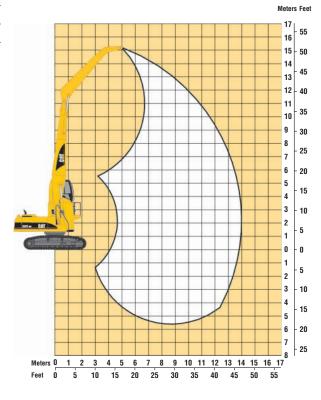


Manual Tilt Cab Riser	Hydraulic Cab Riser
4024 mm (13'2")	4024 mm (13'2")
2917 mm (9'7")	2917 mm (9'7")
1355 mm (4'5")	1355 mm (4'5")
3026 mm (9'11")	3026 mm (9'11")
8940 mm (29'4")	8940 mm (29'4")
11 966 mm (39'3")	11 966 mm (39'3")
3439 mm (11'3")	
	3427 mm (11'3")
5214 mm (17'1")	
5374 mm (17'8")	
	6050 mm (19'10")
643 mm (2'1")	643 mm (2'1")
3448 mm (11'4")	3448 mm (11'4")
4249 mm (13'11")	4172 mm (13'8")
	4024 mm (13'2") 2917 mm (9'7") 1355 mm (4'5") 3026 mm (9'11") 8940 mm (29'4") 11 966 mm (39'3") 3439 mm (11'3") 5214 mm (17'1") 5374 mm (17'8") 643 mm (2'1") 3448 mm (11'4")

Working Ranges

Machine equipped with 14.1 m (46'4.02") linkage.

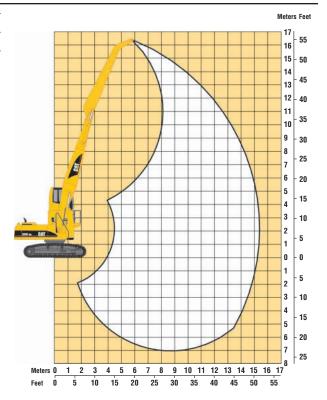
Maximum reach	14.1 m	46'4"
Maximum height	15.2 m	49'11.4"
Maximum depth	5.7 m	18'7"



Working Ranges

Machine equipped with 15.5 m (50'11.5") linkage.

Maximum reach	15.5 m	50'11.5"
Maximum height	16.4 m	53'10.6"
Maximum depth	7.1 m	23'2"



Lift Capacities

325D MH-Short Stick

BOOM - 8.85 m (29'0") **STICK** - 6.0 m (19'8")

MAX REACH - 14.1 m (46'4") MAX HEIGHT - 15.2 m (49'11.4") MAX DEPTH - 5.66 m (18'6.8")

		3.0 m/10.0 ft		3.0 m/10.0 ft 4.5 m/		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		13.5 m/45.0 ft		Maximum Read		each
Lift Point Height						Over Front	Over Side	Over Front	Over Side	Over Front			Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft		
15.0 m 50.0 ft	kg lb			*6010 *12,740	*6010 *12,740	*5500 *12,190	*5500 *12,190											*5500 *12,740	*5500 *12,740	5.61 16.48		
13.5 m 45.0 ft	kg lb					*7040 *15,230	*7040 *15,230	*5740 *10,280	*5740 *10,280	*4580	*4580							*4600 *10,330	*4600 *10,330	8.29 26.16		
12.0 m 40.0 ft	kg lb					*7970 *17,300	*7970 *17,300	*7390 *15,680	*7390 *15,680	*5860 *9,290	*5860 *9,290	*4170	*4170					*4200 *9,340	*4200 *9,340	10.05 32.34		
10.5 m 35.0 ft	kg lb					*18,580	*18,580	*7990 *17,460	*7990 *17,460	*7240 *15,650	*7240 *15,650	*5560 *8,780	*5560 *8,780	*3970	*3970			*3990 *8,830	*3990 * 8,830	11.35 36.81		
9.0 m 30.0 ft	kg lb					*8860 * 19,390	*8860 *19,390	*8130 * 17,720	*8130 * 17,720	*7300 *15,910	*7300 15,700	6440 13,840	5630 12,090	*3870 *8,540	*3870 *8,540			*3890 *8,590	*3890 *8,590	12.33 40.17		
7.5 m 25.0 ft	kg lb					*9810 *21,290	*9810 *21,290	*8470 *18,410	*8470 * 18,410	*7490 *16,300	7140 15,370	6350 13,650	5540 11,900	5070 10,887	4400 9,450	*3840 *8,470	3770 8,380	*3860 *8,520	3780 8,390	13.06 42.67		
6.0 m 20.0 ft	kg lb			*13 360 *28,840	*13 360 *28,840	*10 680 *23,120	*10 680 *23,120	*8970 *19,460	*8970 * 19,460	*7770 *16,890	6900 14,860	6190 13,330	5390 11,590	4980 10,710	4320 9,280	*3870 * 8,530	3470 7,690	*3900 * 8,590	3480 7,700	13.58 44.47		
4.5 m 15.0 ft	kg lb			*15 480 * 33,370	*15 480 * 33,370	*11 730 *25,370	*11 730 * 25,370	*9540 *20,680	8730 18,830	7620 16,420	6600 14,230	6000 12,930	5200 11,200	4870 10,470	4200 9,040	3810 8,420	3270 7,230	3810 8,430	3280 7,240	13.93 45.64		
3.0 m 10.0 ft	kg lb			*16 690 *36,790	*16 690 *36,790	*12 670 *27,420	11 400 24,610	9560 20,620	8210 17,710	7290 15,730	6290 13,560	5800 12,490	5000 10,780	4740 10,200	4080 8,780	3680 8,120	3150 6,950	3680 8,120	3150 6,960	14.1 46.25		
1.5 m 5.0 ft	kg lb			*7850 *17,470	*7850 *17,470	12 590 27,130	10 600 22,880	9080 19,570	7740 16,700	6990 15,070	5990 12,930	5600 12,080	4810 10,370	4610 9,940	3960 8,520	3620 7,990	3100 6,830	3630 7,990	3100 6,830	14.11 46.3		
Ground Line	kg lb			*5010 *11,050	*5010 *11,050	12 040 25,920	10 080 21,730	8710 18,780	7390 15,930	6750 14,550	5750 12,410	5440 11,730	4650 10,030	4510 9,720	3850 8,310	3640 8,020	3100 6,840	3640 8,030	3110 6,850	13.96 45.8		
−1.5 m −5.0 ft	kg lb	*4050 *8,980	*4050 *8,980	*6080 * 13,760	*6080 * 13,760	*10 770 *24,760	9820 21,150	8480 18,280	7170 15,450	6580 14,190	5590 12,060	5330 11,490	4540 9,790	4440 9,570	3780 8,160	3730 8,240	3180 7,020	3740 8,240	3190 7,030	13.64 44.73		
-3.0 m -10.0 ft	kg lb			*5740 *12,810	*5740 *12,810	*10 450 *23,100	9750 20,980	8380 *1 8,060	7070 15,240	6490 14,000	5510 11,890	5270 11,370	4480 9,670	4410 9,520	3760 8,120	3920 8,670	3350 7,390	3930 8,680	3350 7,400	13.14 43.05		
-4.5 m -15.0 ft	kg lb					*8760 *18,990	*8760 *18,990	*7520 *16,200	7080 15,260	*6320 *13,550	5500 11,880	*5180 *11,020	4490 9,690	*3610 *8,030	3790 *8,030							

^{*} Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE J2518 standard. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

Lift Capacities

325D MH-Long Stick

BOOM - 8.85 m (29'0") **STICK** - 7.42 m (24'3")

MAX REACH - 15.5 m (50'11") MAX HEIGHT - 16.4 m (53'10") MAX DEPTH - 7.07 m (23'2")

		3.0 m/10.0 ft		4.5 m/	15.0 ft	6.0 m/	20.0 ft	7.5 m/	25.0 ft	9.0 m/	30.0 ft	10.5 m	10.5 m/35.0 ft		12.0 m/40.0 ft		/45.0 ft	15.0 m/50.0 ft		Maximum Reach		each
	Lift Point Height		Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft
15.0 m 50.0 ft	kg lb							*4900 *8,450	*4900 *8,450	*8,240	*8,240									*3740 *8,450	*3740 *8,450	8.58 26.92
13.5 m 45.0 ft	kg lb									*4900 *10,310	*4900 *10,310	*3350	*3350							*3320 * 7,420	*3320 * 7,420	10.52 33.72
12.0 m 40.0 ft	kg lb									*5980 *12,740	*5980 *12,740	*4860 *10,010	*4860 *10,010							*3090 *6,870	*3090 *6,870	11.96 38.69
10.5 m 35.0 ft	kg lb									*6490 *14,200	*6490 *14,200	*5840 *12,360	*5840 *12,360	*4460 *9,030	*4460 *9,030					*2960 *6,560	*2960 *6,560	13.06 42.49
9.0 m 30.0 ft	kg lb									*6580 *14,360	*6580 *14,360	*6070 *13,250	5870 12,620	5310 11,380	4630 9,920	*3620 *6,910	*3620 *6,910			*2890 *6,390	*2890 *6,390	13.92 45.42
7.5 m 25.0 ft	kg lb							*7520 *16,360	*7520 *16,360	*6800 *14,800	*6800 *14,800	*6200 * 13,500	5760 12,380	5230 11,240	4560 9,790	4240 9,090	3670 7,860			*2870 *6,320	*2870 *6,320	14.57 47.65
6.0 m 20.0 ft	kg lb							*8040 *17,460	*8040 *17,460	*7120 *15,480	*7120 *15,480	*6390 13,780	5590 12,020	5120 11,000	4450 9,560	4170 8,960	3610 7,730	*2970	2950	*2880 *6,340	*2880 *6,340	15.04 49.26
4.5 m 15.0 ft	kg lb			*12 990 *28,060	*12 990 *28,060	*10 370 *22,460	*10 370 *22,460	*8690 *18,840	*8690 *18,840	*7510 *16,290	6880 14,830	6180 13,310	5370 11,560	4970 10,700	4310 9,260	4080 8,770	3520 7,550	3390 *6,950	2900 6,210	*2930 *6,450	2780 6,140	15.35 50.32
3.0 m 10.0 ft	kg lb			*15 390 *33,220	*15 390 *33,220	*11 570 *25,040	*11 570 *25,040	*9350 *20,270	8620 18,590	7540 16,240	6520 14,050	5940 12,780	5130 11,050	4810 10,350	4150 8,920	3980 8,550	3410 7,330	3330 7,100	2840 6,100	3010 *6,630	2680 5,910	15.51 50.87
1.5 m 5.0 ft	kg lb			*37,090	*37,090	*12 510 *27,090	11 170 24,090	9390 20,240	8040 17,340	7160 15,430	6150 13,260	5690 12,260	4890 10,540	4650 10,000	3990 8,580	3870 8,320	3310 7,110	3270 7,030	2780 5,980	3100 6,830	2630 5,800	15.52 50.92
Ground Line	kg lb			*7700 *17,690	*7700 *17,690	12 350 26,580	10 370 22,340	8880 19,130	7540 16,260	6830 14,720	5830 12,570	5470 11,780	4680 10,070	4500 9,690	3840 8,270	3770 8,120	3210 6,910	3220 6,930	2730 5,870	3100 6,830	2630 5,790	15.38 50.47
–1.5 m –5.0 ft	kg lb	*3800 *8,520	*3800 *8,520	*6490 *14,700	*6490 *14,700	11 800 25,390	9850 21,210	8510 18,320	7180 15,480	6570 14,160	5580 12,030	5290 11,400	4500 9,700	4380 9,440	3720 8,020	3700 7,970	3140 6,760	3180	2700	3160 6,960	2670 5,900	15.09 49.5
−3.0 m −10.0 ft	kg lb	*4380 *9,790	*4380 *9,790	*6420 *14,480	*6420 *14,480	*10 890 24,770	9580 20,620	8280 17,830	6960 15,010	6400 13,800	5420 11,670	5170 11,150	4380 9,450	4300 9,270	3650 7,860	3660 7,890	3100 6,680			3280 7,240	2780 6,130	14.65 47.99
-4.5 m - 15.0 ft	kg lb			*6710 *15,080	*6710 *15,080	*10 380 *22,650	9490 20,430	8180 17,610	6870 14,800	6320 13,620	5330 11,500	5110 11,020	4330 9,330	4270 9,210	3610 7,800	3660 * 7,880	3100 6,700			*3350 * 7,340	2960 6,540	14.02 45.89

^{*} Indicates that the load is limited by hydraulic capacity rather than tipping capacity. Lift capacity ratings are based on SAE J2518 standard. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

All lifts are with heavy lift on. Always refer to the appropriate Operation and Maintenance Manual for specific product information.

All lifts are with heavy lift on. Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for details.

BOOM

29'0" (8.85 m) Material Handling Boom

Includes high pressure tig welded steel tubes

ELECTRICAL

80 Ampere alternator

Lights, cab mounted (two)

Horn

Light, storage box mounted

OPERATOR ENVIRONMENT

Bolt on FOGS capability

Polycarbonate windows except laminated glass in

retractable front windshield / tempered glass in removable

lower windshield and sliding upper door window

Rear window emergency exit

KAB 84/ E4P Suspension seat with adjustable arm rest and

3" retractable seat belt (cloth)

Monitor

Full graphic and full color display with language

Warning information, filter, and fluid change information

Working hour information

Machine condition, error code and tool mode, and setting

information

Start up level check hydraulic oil, engine oil, and engine

coolant

Pop up skylight with sunscreen

Windshield wiper / washers (upper/lower)

Positive filtered ventilation

Bi-level air conditioner, heater, and defroster

Instrument panel and gauges

Interior lighting

Coat hook

Ashtray with lighter

Literature compartment

Storage compartment suitable for lunch box

Neutral lever for all controls

Adjustable pilot operated joystick type (wrist lever) controls with integral electrical switches for operation of the grapple

rotate (modulated) and magnet lift/drop

Modulated grapple open-close controls using right side

joystick

Toggle switch in RH console to switch between magnet and

grapple operation

Travel control pedals with removable hand levers

Platform next to cab for improved access

Washable floor mat

Sunscreen on windshield

Beverage holder

AM/FM Radio with two stereo speakers

POWERTRAIN

CAT® C7 diesel engine with 24-volt electric starting and air

Emissions package to meet EPA Tier III requirements

Radial seal air filter

Automatic engine speed control with manual return to idle

(not functional when hydraulic generator is in operation)

Water separator in fuel line

Two speed auto-shift travel

Side by side cooling package (high ambient)

Removable external debris filter covering air inlets

Muffler

Air precleaner

Block heater

Electric priming pump

UNDERCARRIAGE

High square carbody

Hydraulic track adjusters

Track type undercarriage with grease lubricated seals

Idler and center section track guiding guards

24" (600 mm) Triple Grouser Shoes (50 sections)

Heavy duty track rollers

OTHER STANDARD EQUIPMENT

Heavy duty upper frame with bottom guards

Door locks and caps locks and Caterpillar One Key Security

System

Mirrors (frame-right, cab-left)

16,980 lb. Material Handling Counterweight

Automatic swing parking break

Fine swing control

Travel alarm

Extra batteries, heavy duty starter

Secondary engine shut off switch

Ether and cold weather starting aids

Cold start receptacle

Crosshead adapter

Product Link ready

HYDRAULIC SYSTEMS

Fully pressurized hydraulic system

Auxiliary pump and lines to drive generator

Medium pressure auxiliary hydraulic circuit for powering rotating grapples (includes pump, valve with flow control, and lines)

High pressure grapple open / close hydraulic circuit with

shut off valves at the end of the stick

Boom and stick lowering check valve

Regeneration circuit for boom and stick

Heavy Lift Mode

Optional Equipment

Optional equipment may vary. Consult your Caterpillar dealer for details.

One of two cabrisers MUST be chosen:

6'5" (1.9 m) manual tilt cab riser

8'6" (2.6 m) hydraulic cab riser

One of two stick options MUST be chosen:

Stick, 19'8" (6.0 m) Material Handling providing a linkage with a maximum reach of 46'4"

Stick, 24'3" (7.42 m) Material Handling providing a linkage with a maximum reach of 50'11"

Guard, Falling Objects

Fan, auto reversing

Generator, 20 kW

Coolant extended life -58F (-50C)

Exit, secondary rear window with an internal and external opening provisions mandatory for Province of British

Columbia, Canada

Magnet-Scrap Handling

57" (1.45 m) Walker Liftmaster Series

66" (1.68 m) Walker Liftmaster Series

Grapple-four tine, Orange Peel

.75 yd³ (.57 cubic meter)

1.25 yd³ (.96 cubic meter)

325D Material Handler

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 Caterpillar dealer for available options.

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(9-06)

