

Engine							
Engine Model	Cat® C9 ACERT™						
Net Flywheel Power	200 kW	268 hp					
Weights							
Operating Weight	44 627 kg	98,386 lb					
Operating Specifications							
Max. Reach — 6.1 m (20'0") Stick	14.6 m	47 ft 11 in					
Max. Reach – 7.6 m (24'11") Stick	16 m	52 ft 6 in					

330D MH Material Handler

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

330D MH Material Handler

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

330D MH Two-Piece Caterpillar® Front Linkage

Caterpillar 330D 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, increased hydraulic pressure, and cab riser options lead to increased productivity and lower operating cost.



Structures

The 330D 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

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



✓ New Feature

330D MH Material Handler

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



Fixed Riser. Cat® designed and built, 1.95 m (6'5") 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 to the platform extending around the cab riser. This platform allows 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 2.6 m (8'6") 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 grapple open-close function is provided on the right side joystick. The rotate function is also 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 entering the cooling system. The optional automatic reversing fan purges dirt and dust from the cooling system.



Generator Set. A 20 kW (26.8 hp) hydraulically driven generator set can power magnets up to 1.68 m (66") in diameter.

330D MH Two-Piece Caterpillar Front Linkage

Caterpillar 330D Material Handler fronts are purpose designed and built for excellent reach, flexibility, and lift performance to meet all requirements of material handling applications.

Cat® Two-Piece Front Linkage.

Offers a maximum horizontal reach of 16 m (52'6") from swing center and maximum vertical reach of 16.9 m (55'5"). This front is an excellent match for the 0.96 m³ (1.25 yd³) grapple or a 1.68 m (66") magnet.

An optional 14.6 m (47'1") two-piece front linkage has a maximum vertical height of 15.8 m (51'11"). This front is an excellent match for the 1.15 m³ (1.5 yd³) Orange Peel Grapple or the 1.68 m (66") Walker magnet.



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

Welded Box-Section Structures.

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

Stress Relieving Booms and Sticks. Maximizes strength and minimizes structure weight.



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

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

Engine

ACERTTM Technology meets U.S. EPA Tier 3 emission regulations, with exceptional performance capabilities and proven reliability.



Engine. Six-cylinder, turbocharged engine built for power, reliability, and economy will allow the machine to consistently perform at high levels. The Cat® C9 engine is designed for low emissions and will meet EPA Tier 3 emissions requirements.

Performance. The 330D MH, equipped with the C9 engine with ACERTTM Technology, provides 9% more horsepower as compared to the C9 in the 330C MH.

Electronic Control Module.

The Electronic Control Module (ECM) works as the "brain" of the engine's control system, responding quickly to operating variables to maximize 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.

Automatic Engine Control Speed.

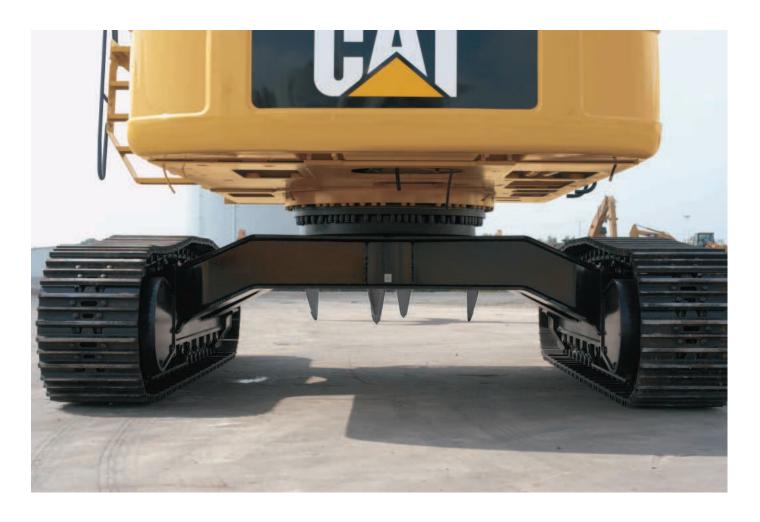
The two-stage, one-touch control maximizes fuel efficiency and reduces sound levels.

ADEM™ A4 Engine Controller.

The ADEMTM A4 electronic control module manages fuel delivery to get the 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.

Structures

The 330D MH structural components are the backbone of the machine's durability and provide for excellent stability.



High and Square Undercarriage.

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

Provides excellent ground clearance required to clear obstacles.

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 track roller frame.

Robotic Welding. Up to 95% of the structural welds are done robotically, which achieves up to three times the penetration of manual welds for improved durability.

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.



Walker Magnets. The Walker 1.68 m (66") Lift Master magnet can be used with the 330D 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 0.96 m³ (1.25 yd³) and the 1.15 m³ (1.5 yd³) Orange Peel Grapples are available attachments.

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.

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 330D 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 maximum cleaning efficiency. When the air cleaner plugs, a warning is displayed on the monitor inside the cab.

Capsule Filter. The hydraulic return filter, a capsule filter, is situated outside the hydraulic tank. The 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 330D 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 330D 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 downtime. You can also 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® C9 AC	ERT™	_
Net Flywheel Power	200 kW	268 hp	
Net Power – ISO 9249	200 kW	268 hp	_
Net Power – SAE J1349	188 kW	252 hp	
Net Power – EEC 80/1269	200 kW	268 hp	
Bore	112 mm	4.41 in	_
Stroke	149 mm	5.87 in	
Displacement	8.8 L	537 in ³	

- The 330D MH meets the U.S. Tier 3 exhaust 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 power derating required below 2300 m (7,500 ft).

Operating Specifications										
Cab Riser – Fixed	1.96 m	6 ft 5 in								
Cab Riser – Hydraulic	2.6 m	8 ft 6 in								
Generator Set	20 kW	26.8 hp								
Max. Reach — 6.1 m (20'0") Stick	14.6 m	47 ft 11 in								
Max. Reach – 7.6 m (24'11") Stick	16 m	52 ft 6 in								

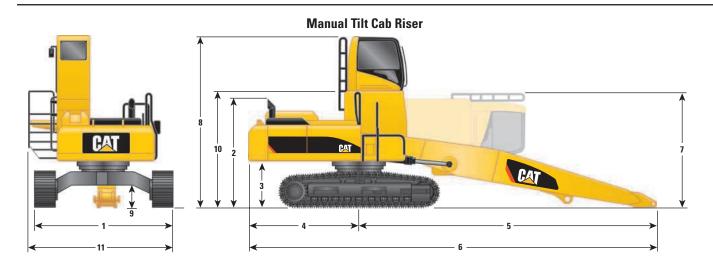
Hydraulic System		
Maximum Flow	280 L/min	74 gal/min
(each of two pumps)		
Max. Pressure Implements	35 000 kPa	5,076 psi
Max. Pressure – Heavy Lift	36 000 kPa	5,221 psi
Max. Pressure Travel	33 784 kPa	4,900 psi
Max. Pressure – Swing	29 400 kPa	4,264 psi
Pilot System Max. Flow	43 L/min	11 gal/min
Pilot System Max. Pressure	3900 kPa	566 psi
Rotate Circuit for Grapple	49 L/min	13 gal/min
Max. Flow		
Rotate Circuit for Grapple	13 790 kPa	2,000 psi
Operating Pressure		
Generator Auxiliary Pump	159 L/min	42 gal/min
Max. Flow		
Generator Auxiliary Pump	17 237 kPa	2,500 psi
Max. Pressure		

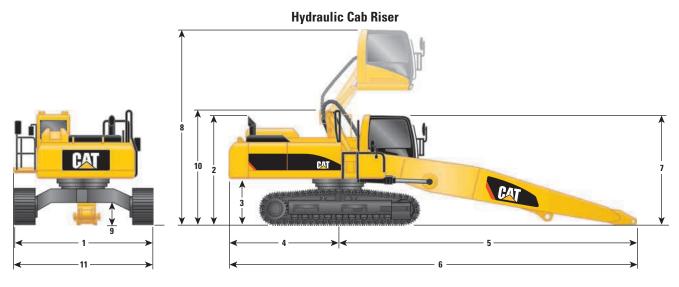
Weights		
Operating Weight	44 627 kg	98,386 lb
Upper	11 782 kg	25,975 lb
Counterweight	8313 kg	18,327 lb
Undercarriage (includes carbody)	15 252 kg	33,625 lb
Two-Piece Front (with cylinders)	7259 kg	16,003 lb
Grapple/Adapter	2021 kg	4,456 lb
Dimensions		
Shipping Height – Cab Tipped	3600 mm	11 ft 10 in
Operating Width	3670 mm	12 ft 1 in
Shipping Length	12 850 mm	42 ft 2 in
Rear of carrier to end of boom	12 850 mm	42 ft 2 in
Swing wechanism		
Swing Mechanism Swing Torque	141.1 kN·m	104,070 lb f
Swing Torque	141.1 kN·m 10 rpm	104,070 lb f
Swing Torque Swing Speed		104,070 lb f
Swing Torque Swing Speed		104,070 lb f
Swing Torque Swing Speed Track	10 rpm	
Swing Torque Swing Speed Track Track Shoes	10 rpm 600 mm	24 in
Swing Torque Swing Speed Track Track Shoes Gauge	10 rpm 600 mm 3600 mm	24 in
Swing Torque Swing Speed Track Track Shoes Gauge Shoes (each side)	10 rpm 600 mm 3600 mm 49	24 in
Swing Torque Swing Speed Track Track Shoes Gauge Shoes (each side) Rollers (each side) Overall Track Length	10 rpm 600 mm 3600 mm 49 9	24 in 142 in
Swing Torque Swing Speed Track Track Shoes Gauge Shoes (each side) Rollers (each side) Overall Track Length Service Refill Capacities	10 rpm 600 mm 3600 mm 49 9	24 in 142 in
Swing Torque Swing Speed Track Track Shoes Gauge Shoes (each side) Rollers (each side)	10 rpm 600 mm 3600 mm 49 9 5020 mm	142 in 197.6 in
Swing Torque Swing Speed Track Track Shoes Gauge Shoes (each side) Rollers (each side) Overall Track Length Service Refill Capacities Fuel Tank	10 rpm 600 mm 3600 mm 49 9 5020 mm	24 in 142 in 197.6 in
Swing Torque Swing Speed Track Track Shoes Gauge Shoes (each side) Rollers (each side) Overall Track Length Service Refill Capacities Fuel Tank Cooling System	10 rpm 600 mm 3600 mm 49 9 5020 mm	24 in 142 in 197.6 in 163.8 gal 10.6 gal

Fuel Tank	620 L	163.8 gai
Cooling System	40 L	10.6 gal
Engine Oil	40 L	10.6 gal
Swing Drive	19 L	5 gal
Final Drive (each)	8 L	2.1 gal
Hydraulic System (including tank)	410 L	108 gal
Hydraulic Tank	175 L	46 gal
Drive		
Maximum Drawbar Pull	294 kN	66,094 lb
Maximum Travel Speed	5 km/h	3.1 mph

Dimensions

All dimensions are approximate.

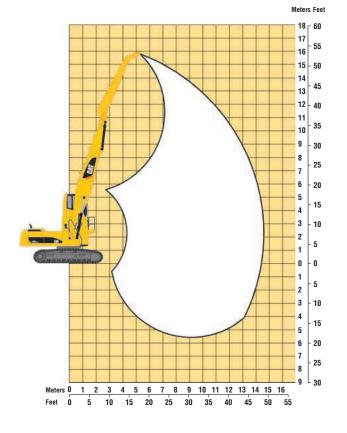




	Manual Tilt Cab Riser	Hydraulic Cab Riser
1 Shipping Width	4267 mm (14'0")	4267 mm (14'0")
2 Height to Top of Exhaust	3384 mm (11'1")	3384 mm (11'1")
3 Counterweight Clearance	1474 mm (4'10")	1474 mm (4'10")
4 Tail Swing Radius	3484 mm (11'5")	3484 mm (11'5")
5 Swing Center to End of Boom	9197 mm (30'2")	9197 mm (30'2")
6 Rear of Carrier to End of Boom	12 684 mm (41'7")	12 684 mm (41'7")
7 Shipping Height – with ladder	3551 mm (11'8")	
Shipping Height to Top of Cab with FOGS		3557 mm (11'8")
8 Operating Height – to top of cab	5317 mm (17'5")	
Operating Height – with FOGS	5477 mm (18'0")	
Operating Height with Cab Up to Top of Cab with FOGS		6153 mm (20'2")
9 Ground Clearance	720 mm (2'4")	720 mm (2'4")
10 Shipping Height – RH handrail	3567 mm (11'8")	3567 mm (11'8")
11 Operating Width	4348 mm (14'3")	4267 mm (14'0")

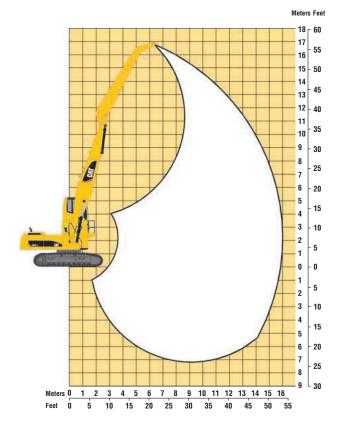
Working Ranges

Short Stick		
Maximum reach	14.6 m	47'11"
Maximum height	15.8 m	51'11"
Maximum depth	−5.56 m	-18'3"



Long Stick

zong otrok		
Maximum reach	16.0 m	52'6"
Maximum height	16.9 m	55'5"
Maximum depth	-7.06 m	-23'2"



Lift Capacities

330D MH





Load Radius Over Side



Load at Maximum Reach

BOOM: 9.2 m (30'2") **MAX REACH:** 14.6 m (47'11") **STICK:** 6.1 m (20'0") **MAX HEIGHT:** 15.8 m (51'11")

MAX DEPTH: -5.56 m (-18'3")

																			1-	
		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m	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			
																				m ft
16.5 m 55.0 ft	kg lb			*6130 *12,250	*6130 *12,250													*13,990	*13,990	
15.0 m 50.0 ft	kg lb					*6320 *13,920	*6320 *13,920	*6110	*6110									*6140 *13,540	*6140 *13,540	7.07 21.69
13.5 m 45.0 ft	kg lb					*19,650	*19,650	*8310 * 17,320	*8310 * 17,320	*5330 *11,920	*5330 *11,920							*5350 *11,979	*5350 *11,979	9.3 29.62
12.0 m 40.0 ft	kg lb							*9520 *20,840	*9520 *20,840	*8380 *17,510	*8380 *17,510	*4940 *10,960	*4940 *10,960					*4960 *11,020	*4960 *11,020	10.88 35.1
10.5 m 35.0 ft	kg lb							*9520 *20,760	*9520 *20,760	*8510 *18,560	*8510 *18,560	*7710 *16,760	7630 16,370	*4720 *10,450	*4720 *10,450			*4750 *10,510	*4750 *10,510	12.06 39.19
9.0 m 30.0 ft	kg lb						*10 540 *23,010		*9730 *21,170	*8620 *18,760	*8620 *18,760	*7740 *16,860	7570 16,270	6540 *10,200	6030 *10,200	*4620	*4620	*4650 *10,260	*4650 *10,260	12.97 42.29
7.5 m 25.0 ft	kg lb							*10 140 *22,010		*8850 *19,220	*8850 *19,220	*7850 *17,070	7420 15,980	6460 13,900	5960 12,800	*4590 *10,120	*4590 *10,120	*4620 *10,180	*4620 *10,180	13.65 44.62
6.0 m 20.0 ft	kg lb			*16 500 *35,590		*12 910 *27,940				*9150 *19,860	*9150 19,820	7840 16,880	7220 15,550	6340 13,640	5830 12,550	*4630 *10,190	4420 9,790	*4660 *10,260	4430 9,800	14.13 46.29
4.5 m 15.0 ft	kg lb	*23 280 *51,640	*23 280 *51,640	*18 740 *40,420		*14 000 *30,280		*11 270 *24,410		*9460 *20,520	8810 19,010	7500 16,360	6980 15,040	6190 13,320	5680 12,230	5140 10,160	4710 9,290	4600 10,170	4210 9,300	14.45 47.37
3.0 m 10.0 ft	kg lb			*8880 *20,080			*14 830 *32,110		10 970 23,760	9190 19,820	8420 18,170	7340 15,820	6730 14,500	6020 12,980	5520 11,890	5040 10,850	4610 9,930	4470 9,850	4080 9,000	14.6 47.89
1.5 m 5.0 ft	kg lb			*5090 *11,290		*15 010 *32,550	14 300 30,830		10 410 22,460	8830 19,040	8070 17,400	7100 15,310	6490 14,010	5870 12,650	5370 11,570	4950 10,660	4520 9,740	4410 9,730	4030 8,880	14.6 47.89
0.0 m 0.0 ft	kg lb	*3800 *8,370	*3800 *8,370		*5850 *13,340		*12 360 *28,730		10 000 21,570	8550 18,430	7790 16,800	6910 14,900	6300 13,600	5740 12,380	5240 11,300	4870 9,790	4450 8,930	4440 9,800	4050 8,930	14.44 47.37
–1.5 m – 5.0 ft	kg lb	*4680 *10,390	*4680 *10,390	*6450 *14,570	*6450 *14,570		*11 060 *25,340		9760 21,050	8360 18,020	7600 16,400	6780 14,620	6170 13,320	5660 12,210	5160 11,130	*4460 *9,810	4160 9,170	*4460 *9,830	4160 9,170	14.12 46.29
−3.0 m −10.0 ft	kg lb			*6770 *15,110	*6770 *15,110		*11 060 *24,350	*9540 *20,640	*9540 *20,640	*8020 *17,310	7510 16,210	*6700 *14,400	6110 13,180	*5480 *11,670	5120 11,060	*3980 *8,740	*3980 *8,740	*3990 *8,760	*3990 *8,760	13.62 44.62
−4.5 m −15.0 ft	kg lb					*8910 *19,240	*8910 *19,240	*7850 *16,910	*7850 *16,910	*6690 *14,340	*6690 *14,340	*5530 *11,770	*5530 *11,770	*3710 *8,250	*3710 *8,250					

BOOM: 9.2 m (30'2") **MAX REACH**: 16.0 m (52'6") **STICK**: 7.6 m (24'11") **MAX HEIGHT**: 16.9 m (55'5")

MAX DEPTH: -7.06 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	/35.0 ft	12.0 m	/40.0 ft	13.5 m	/45.0 ft	15.0 m	1/50.0 ft	Ę		
																						m ft
16.5 m 55.0 ft	kg lb					*5450 *11,680		*5080	*5080											*5080 *11,250	*5080 *11,250	7.2 21.78
15.0 m 50.0 ft	kg lb							*6590 *14,250	*6590 *14,250	*4310 *9,690	*4310 *9,690									*4330 *9,740	*4330 *9,740	9.67 30.53
13.5 m 45.0 ft	kg lb							*15,910	*15,910	*6830 *14,380	*6830 *14,380	*5280 *8,730	*5280 *8,730	*3920	*3920					*3940 *8,780	*3940 *8,780	11.37 36.57
12.0 m 40.0 ft	kg lb									*7680 *16,820	*7680 *16,820	*6680 *14,020	*6680 *14,020	*3690 *8,180	*3690 *8,180					*3710 *8,230	*3710 *8,230	12.69 41.13
10.5 m 35.0 ft	kg lb									*7680 *16,760	*7680 *16,760	*7040 *15,380	*7040 *15,380	*6290 *13,050	*6290 *13,050	*3560 *7,860	*3560 *7,860			*3580 *7,910	*3580 *7,910	13.71 44.67
9.0 m 30.0 ft	kg lb							*8210 *17,990	*8210 *17,990	*7810 *17,020	*7810 *17,020	*7110 *15,500	*7110 *15,500	*6520 *14,200	6250 13,410	*5460 *7,690	5050 *7,690	*3490	*3490	*3510 *7,740	*3510 *7,740	14.52 47.4
7.5 m 25.0 ft	kg lb							*9030 *19,700	*9030 *19,700	*8070 *17,540	*8070 *17,540	*7260 *15,800	*7260 *15,800	*6590 14,300	6140 13,190	5430 11,640	4990 10,700	*3520 *7,680	*3520 *7,680	*3490 *7,690	*3490 *7,690	15.13 49.49
6.0 m 20.0 ft	kg lb					*10 860 *23,560	*10 860 *23,560	*9650 *20,930	*9650 *20,930	*8420 *18,290	*8420 *18,290	*7470 *16,240	7460 16,060	6490 13,970	5980 12,860	5330 11,440	4890 10,500	*3940 8,520	*3940 8,270	*3510 * 7,730	*3510 *7,730	15.57 50.99
4.5 m 15.0 ft	kg lb			*16 030 *34,600		*12 520 *27,100	*12 520 *27,100	*10 330 *22,400	*10 330 *22,400	*8820 *19,140	*8820 *19,140	*7700 *16,720	7180 15,460	6300 13,560	5790 12,460	5200 11,180	4770 10,240	4350 8,830	3970 8,520	*3570 *7,860	*3570 *7,860	15.85 51.98
3.0 m 10.0 ft	kg lb	*23 670 *52,110	*23 670 *52,110	*18 450 *39,850	*18 450 *39,850	*13 720 *29,690	*13 720 *29,690	*10 990 *23,810	*10 990 *23,810	*9190 *19,930	8690 18,740	7490 16,130	6870 14,810	6090 13,120	5590 12,020	5060 10,890	4630 9,950	4260 8,650	3890 8,350	*3670 *8,090	3490 7,690	15.99 52.46
1.5 m 5.0 ft	kg lb	*6320 *14,130	*6320 *14,130	*13 440 *32,050		*14 530 *31,470	*14 530 *31,470	*11 440 *24,800	10 740 23,170	9010 19,420	8240 17,760	7180 15,480	6570 14,160	5890 12,680	5380 11,590	4920 10,600	4490 9,670	4180 8,520	3800 8,180	3780 8,330	3430 7,570	15.99 52.46
0.0 m 0.0 ft	kg lb	*3300 * 7,270	*3300 *7,270	*7830 *17,930		*14 670 *31,800	14 000 30,140	11 170 24,060	10 150 21,870	8610 18,560	7850 16,910	6910 14,900	6310 13,590	5700 12,290	5200 11,200	4800 10,340	4370 9,410	4100 8,440	3730 8,030	3790 8,350	3440 7,580	15.84 51.98
–1.5 m –5.0 ft	kg lb	*4200 *9,420	*4200 *9,420	*6940 *15,720		*13 140 *30,290	*13 140 28,840	10 730 23,120	9720 20,950	8300 17,900	7550 16,270	6700 14,440	6100 13,140	5560 11,980	5060 10,890	4710 10,140	4280 9,210	3960 8,590	3550 7,930	3860 8,510	3500 7,720	15.55 51.0
−3.0 m −10.0 ft	kg lb	*4390 *9,780	*4390 *9,780	*7020 *15,820		*11 460 *26,160	*11 460 *26,160	*10 470 22,560	9470 20,400	8110 17,470	7350 15,850	6560 14,130	5950 12,830	5460 11,770	4960 10,690	4650 10,030	4220 9,100	*3760	3670	*3730 *8,190	3640 8,030	15.1 49.49
−4.5 m −15.0 ft	kg lb	*5990 *13,430	*5990 *13,430	*7400 *16,630		*11 110 *24,030	*11 110 *24,030	*9260 *19,970	*9260 *19,970	*7730 *16,640	7260 15,650	*6450 *13,830	5880 12,690	*5320 *11,320	4920 10,610	*4190 *7,200	*4190 *7,200			*3300 *7,220	*3300 *7,220	14.49 47.41
−6.0 m −20.0 ft	kg lb					*8860 *18,990	*8860 *18,990	*7590 *16,250	*7590 *16,250	*6400 *13,660	*6400 *13,660	*5290 *11,210	*5290 *11,210	*4190 *7,460	*4190 *7,460	*3330	*3330					

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

9.2 m (30'2") MH Boom

Includes high pressure twig welded steel tubes

ELECTRICAL

80 ampere alternator

Working 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 exit

KAB 84/E4P suspension seat with adjustable armrest and 76 mm (3") retractable seat belt (cloth)

Monitor

Full graphic and full color display with language capability, warning information, filter, and fluid

Working hour information

Machine condition, error code and tool mode setting information

Start up level check for hydraulic oil, engine oil, and engine coolant change information

Pop-Up skylight, with sunscreen

Windshield wiper/washers (upper/lower)

Positive filtered ventilation

Bi-level air conditioner with auto climate control heater and defroster

Instrument panel and gauges

Interior lighting

Coat hook

Ashtray with lighter

Literature compartment

Storage compartment suitable for a lunch box

Neutral lever for all controls

Pre-start monitoring system (alert if there is a shortage of hydraulic oil, engine oil, or engine coolant)

Modulated grapple open-close controls using RH 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

POWER TRAIN

Cat® C-9 Diesel engine with 24V electric starting

Emissions package to meet EPA Tier 3 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

Power mode selector (2 modes)

Two speed auto-shift travel

Side by side cooling package

Removable external debris filter covering air inlets

(Hi-Ambient)

Straight line travel

Muffler

Air precleaner

Block Heater

Electric priming pump

UNDERCARRIAGE

High square carbody

Hydraulic track adjusters

Track type undercarriage with grease lubricated seals

Idler and rear section track guiding guards

600 mm (24") triple grouser shoes (49 sections)

Heavy duty track rollers

OTHER STANDARD EQUIPMENT

Heavy duty upper frame with bottom guards

Door locks, caps locks, and Caterpillar one key

security system

Mirrors (frame-right, cab-left)

8330 kg (18,375 lb) Material Handling Counterweight

Automatic swing parking brake

Fine swing control

Travel alarm

Ether and cold weather starting aids

Secondary engine shut off switch

Extra batteries/Heavy duty starter

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, flow control on grapple open and shutoff valves at end of stick

Regeneration circuit for boom and stick

Boom and stick lowering check valve

Heavy Lift Mode

Optional Equipment

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

One of two stick options MUST be chosen:
Stick, 7.6 m (24'11") Material Handling
Stick, 6.1 m (20'1") Material Handling
One of two cab riser options MUST be chosen:
1.9 m (6'5") manual tilt cab riser
2.6 m (8'6") hydraulic cab riser
Guard, falling objects
Fan, auto reversing

Exit, secondary rear window with an internal and external opening provisions mandatory for Province of British Columbia, Canada
20 kW (26.8 hp) hydraulic driven solid state genset
Magnet-Scrap Handling
1.68 m (66") Walker Lift Master Series
Grapple-four tine, Orange Peel
0.96 m³ (1.25 yd³)
1.15 m³ (1.5 yd³)

330D MH 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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