



352 Straight Boom

Hydraulic Excavator

Technical Specifications

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

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352 Straight Boom Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C13B	
Net Power		
ISO 9249	330 kW	443 hp
ISO 9249 (DIN)	449 hp (metric)	
Engine Power		
ISO 14396	332 kW	445 hp
ISO 14396 (DIN)	451 hp (metric)	
Bore	130 mm	5 in
Stroke	157 mm	6 in
Displacement	12.5 L	763 in ³
Biodiesel capability	Up to B20 ⁽¹⁾	

- Meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Cold Weather Start at –18 Degrees is Standard.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 2600 m (8,530 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 1700 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 Cat 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*	6.50 rpm	
Maximum Swing Torque	189 kN·m	139,400 lbf·ft

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

Weights

Operating Weight	54 700 kg	120,600 lb
<ul style="list-style-type: none"> • Variable Gauge undercarriage, Straight boom, Reach 3.35 m TB (11'0") stick, HD 2.14 m³ (2.8 yd³) bucket, 600 mm (24") triple grouser shoes and 11.35 mt (25,020 lb) removable counterweight. 		
Operating Weight	54 900 kg	121,000 lb
<ul style="list-style-type: none"> • Variable Gauge undercarriage, Straight boom, Reach 3.9 m TB (12'10") stick, HD 2.14 m³ (2.8 yd³) bucket, 600 mm (24") triple grouser shoes and 11.35 mt (25,020 lb) removable counterweight. 		

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	750 mm	30 in
Optional Track Shoes Width	900 mm	35 in
Number of Shoes (each side)	52	
Number of Track Rollers (each side)	9	
Number of Carrier Rollers (each side)	3 (Variable Gauge Undercarriage)	

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.5 km/h	2.8 mph
Maximum Drawbar Pull	348 kN	78,233 lbf

Hydraulic System

Main System – Maximum Flow (Implement)	779 L/min (389 × 2 pumps)	206 gal/min (103 × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	26 000 kPa	3,771 psi
Boom Cylinder – Bore	170 mm	7 in
Boom Cylinder – Stroke	1490 mm	59 in
Stick Cylinder – Bore	190 mm	7 in
Stick Cylinder – Stroke	1729 mm	68 in
Bucket Cylinder – Bore	160 mm	6 in
Bucket Cylinder – Stroke	1356 mm	53 in

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Service Refill Capacities

Fuel Tank Capacity	715 L	188.9 gal
Cooling System	52 L	13.7 gal
Engine Oil (with filter)	40 L	10.6 gal
Swing Drive	11 L	2.9 gal
Final Drive (each)	10 L	2.6 gal
Hydraulic System (including tank)	550 L	145.3 gal
Hydraulic Tank (including suction pipe)	217 L	57.3 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21.1 gal

Standards

Brakes	ISO 10265:2008
Cab/Operator Protective Guards (OPG)	ISO 10262:1998 Level II

Sound Performance

ISO 6395:2008 (external) 108 dB(A)

ISO 6396:2008 (inside cab) 73 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 or R1234yf. See the label or instruction manual for identification of the gas.
 - If equipped with R134a (Global Warming Potential = 1430), the system contains 1.0 kg (2.2 lb) of refrigerant which has a CO₂ equivalent of 1.430 metric tonnes (1.576 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.85 kg (1.87 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 tons).

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Operating Weights and Ground Pressures

	600 mm (24") Triple Grouser Shoes		750 mm (30") Triple Grouser Shoes		900 mm (35") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Machine Configurations						
Base machine with Single Flange Track Rollers and Variable Gauge Undercarriage						
12.0 mt (26,460 lb) Counterweight						
Straight Boom + R3.35 TB (11'0") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 600 (120,500)	94.9 (13.8)	55 400 (122,100)	77.2 (11.2)	56 100 (123,800)	65.2 (9.5)
Straight Boom + R3.9 TB (12'10") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 800 (120,800)	95.2 (13.8)	55 600 (122,500)	77.4 (11.2)	56 300 (124,100)	65.4 (9.5)
Base machine with Double Flange Track Rollers and Variable Gauge Undercarriage						
12.0 mt (26,460 lb) Counterweight						
Straight Boom + R3.35 TB (11'0") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 700 (120,500)	94.9 (13.8)	55 400 (122,200)	77.2 (11.2)	56 200 (123,900)	65.2 (14.2)
Straight Boom + R3.9 TB (12'10") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	56 300 (124,200)	65.4 (9.5)	55 600 (122,600)	77.4 (11.2)	56 300 (124,200)	65.4 (9.5)
Base machine with Single Flange Track Rollers and Variable Gauge Undercarriage						
11.35 mt (25,020 lb) Removable Counterweight						
Straight Boom + R3.35 TB (11'0") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 900 (121,000)	95.3 (13.8)	55 600 (122,600)	77.5 (11.2)	56 400 (124,300)	65.4 (9.5)
Straight Boom + R3.9 TB (12'10") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 900 (121,000)	95.4 (9.5)	55 700 (122,700)	77.5 (11.2)	56 400 (124,400)	65.5 (9.5)
Base machine with Double Flange Track Rollers and Variable Gauge Undercarriage						
11.35 mt (25,020 lb) Removable Counterweight						
Straight Boom + R3.35 TB (11'0") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 700 (120,700)	95.1 (13.8)	55 500 (122,300)	77.3 (11.2)	56 200 (124,000)	65.3 (9.5)
Straight Boom + R3.9 TB (12'10") Stick + 2.14 m ³ (2.80 yd ³) HD Bucket	54 900 (121,000)	95.4 (13.8)	55 700 (122,700)	77.3 (11.2)	56 400 (124,400)	98.2 (14.2)

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

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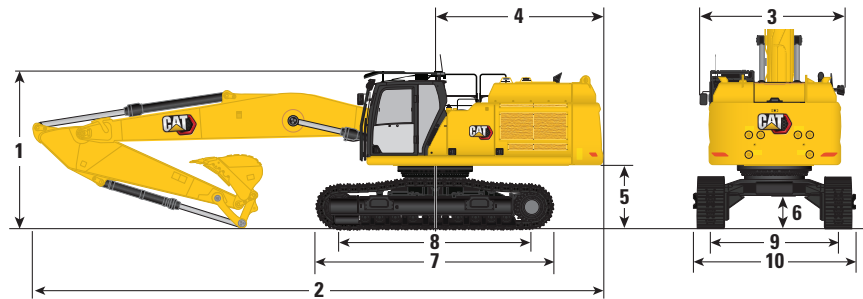
Major Component Weights

	kg	lb
Base Machine (with counterweight, upper frame for removable counterweight, and two boom cylinders – does not include boom, stick, bucket, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).		
With 11.35 mt (25,020 lb) counterweight and variable gauge undercarriage with single flange track rollers	38 350	84,550
With 11.35 mt (25,020 lb) counterweight and variable gauge undercarriage with double flange track rollers	38 390	84,630
Base Machine (with counterweight, upper frame, and two boom cylinders – does not include boom, stick, bucket, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).		
With 12.0 mt (26,460 lb) counterweight and variable gauge undercarriage with single flange track rollers	38 280	84,400
With 12.0 mt (26,460 lb) counterweight and variable gauge undercarriage with double flange track rollers	38 320	84,480
Track Shoes:		
600 mm (24") Triple Grouser Track Shoes	5290	11,660
750 mm (30") Triple Grouser Track Shoes	6040	13,320
900 mm (35") Triple Grouser Track Shoes	6790	14,970
Two Boom Cylinders	960	2,130
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	630	1,380
Counterweights:		
11.35 mt (25,020 lb) Removable Counterweight	11 350	25,020
12.0 mt (26,460 lb) Counterweight	12 000	26,460
Swing Frame:		
Standard Swing Frame	4320	9,530
Removable Counterweight Swing Frame	4350	9,590
Undercarriages:		
Base Frame with Single Flange Track Rollers and Carrier Rollers for Variable Gauge Undercarriage	13 230	29,170
Base Frame with Double Flange Track Rollers and Carrier Rollers for Variable Gauge Undercarriage	13 270	29,250
Booms (including lines, pins, stick cylinder):		
Straight Boom 7.8 m (25'6")	5290	11,660
Sticks (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.35 TB (11'0")	2870	6,330
Reach Stick R3.9 TB (12'10")	3030	6,690
Bucket (without linkage, with tips and side cutters):		
2.14 m ³ (2.80 yd ³) HD for TB	2280	5,030
Quick Couplers (QC):		
CW Dedicated QC	770	1,690
Pin Grabber QC	1060	2,340

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Dimensions

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



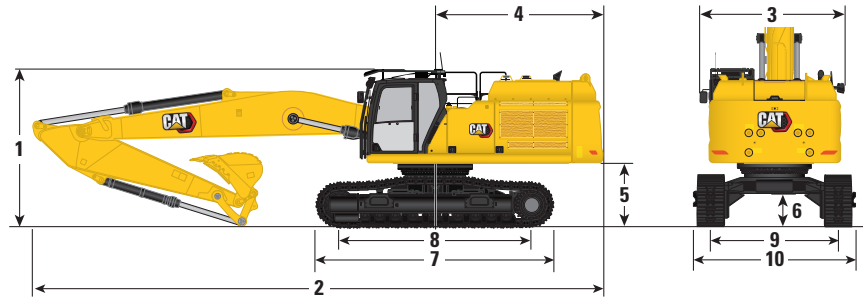
Boom Option		Straight Boom 7.8 m (25'6")			
Stick Options		Reach Stick			
		R3.35TB (11'0")		R3.9TB (12'10")	
Undercarriage Option		Variable Gauge			
1 Machine Height:					
Top of Cab Height		3380 mm	(11'1")	3380 mm	(11'1")
Top of OPG Height		3590 mm	(11'9")	3590 mm	(11'9")
Shipping Height with Operator Protective Guards (highest point between boom and cab)		3590 mm	(11'9")	3590 mm	(11'9")
Shipping Height without OPG		3390 mm	(11'1")	3530 mm	(11'7")
Handrail Height		3530 mm	(11'7")	3530 mm	(11'7")
With Boom/Stick/Bucket Installed		3590 mm	(11'9")	3750 mm	(12'4")
With Boom/Stick Installed		3390 mm	(11'1")	3530 mm	(11'7")
With Boom Installed		2740 mm	(9'0")	2740 mm	(9'0")
With Boom/Stick/Bucket Installed (with/without auxiliary lines)		3590 mm	(11'9")	3750 mm	(12'4")
With Boom/Stick Installed (with/without auxiliary lines)		3390 mm	(11'1")	3530 mm	(11'7")
With Boom Installed (with/without auxiliary lines)		2740 mm	(9'0")	2740 mm	(9'0")
2 Machine Length:					
With Boom/Stick/Bucket Installed (with/without auxiliary lines)		12 830 mm	(42'1")	12 830 mm	(42'1")
With Boom/Stick Installed (with/without auxiliary lines)		12 850 mm	(42'2")	12 870 mm	(42'3")
With Boom Installed (with/without auxiliary lines, without fixed counterweight)		11 340 mm	(37'2")	11 340 mm	(37'2")
With Boom/Stick/Bucket Installed (with removable counterweight)		12 910 mm	(42'4")	12 910 mm	(42'4")
With Boom/Stick Installed (with removable counterweight)		12 930 mm	(42'5")	12 950 mm	(42'6")
With Boom Installed (without removable counterweight)		11 350 mm	(37'3")	11 350 mm	(37'3")
3 Upperframe Width without Walkways		3020 mm	(9'11")	3020 mm	(9'11")
Bucket Type		HD		HD	
Bucket Capacity		2.14 m³	(2.80 yd³)	2.14 m³	(2.80 yd³)
Bucket Tip Radius		1882 mm	(6'2")	1882 mm	(6'2")

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Dimensions *(continued)*

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



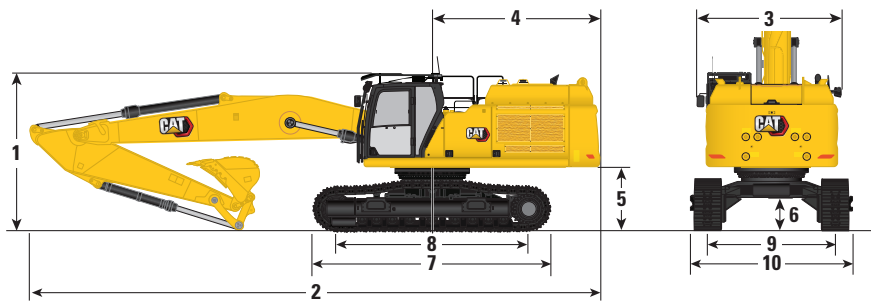
Boom Option		Straight Boom 7.8 m (25'6")			
Stick Options		Reach Stick			
		R3.35TB (11'0")		R3.9TB (12'10")	
Undercarriage Option		Variable Gauge			
4 Tail Swing Radius					
(without fixed counterweight)		3760 mm	(12'4")	3760 mm	(12'4")
(with removable counterweight)		3840 mm	(12'7")	3840 mm	(12'7")
5 Counterweight Clearance (without shoe lug)		1435 mm	(4'8")	1435 mm	(4'8")
6 Ground Clearance (without shoe lug)		710 mm	(2'4")	710 mm	(2'4")
7 Track Length		5350 mm	(17'7")	5350 mm	(17'7")
8 Track Length – Length to Center of Rollers		4340 mm	(14'3")	4340 mm	(14'3")
9 Track Gauge					
Retracted (Variable Gauge) – 600 mm (24") and 750 mm (30") Triple Grouser Shoes		2390 mm	(7'10")	2390 mm	(7'10")
Retracted (Variable Gauge) – 900 mm (35") Triple Grouser Shoes		2640 mm	(8'8")	2640 mm	(8'8")
Extended (Variable Gauge) with Triple Grouser Shoes		2890 mm	(9'6")	2890 mm	(9'6")
Fixed Gauge with Triple Grouser Shoes		—	—	—	—
Bucket Type		HD		HD	
Bucket Capacity		2.14 m ³	(2.80 yd ³)	2.14 m ³	(2.80 yd ³)
Bucket Tip Radius		1882 mm	(6'2")	1882 mm	(6'2")

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Dimensions *(continued)*

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

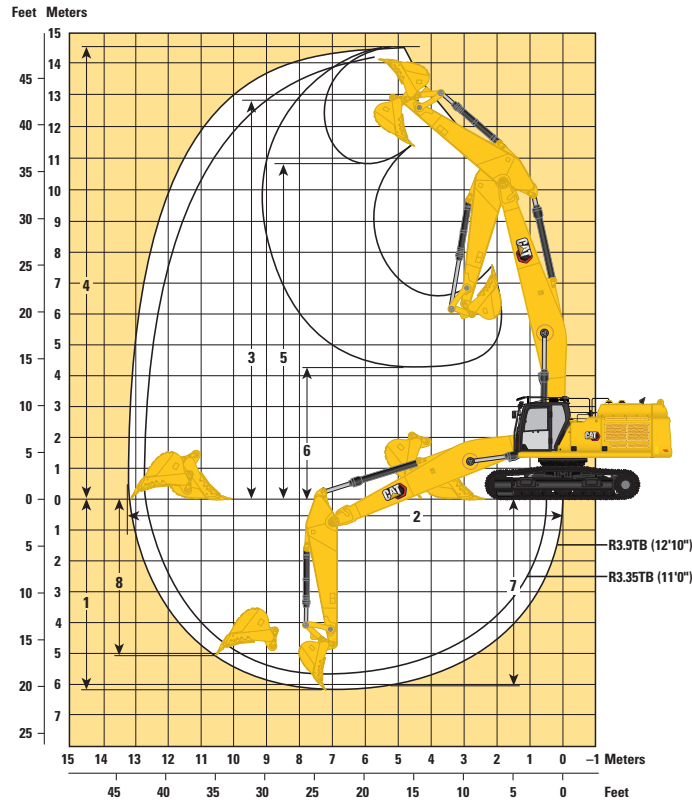


Boom Option	Straight Boom 7.8 m (25'6")			
Stick Options	Reach Stick			
	R3.35TB (11'0")		R3.9TB (12'10")	
Undercarriage Option	Variable Gauge			
10 Undercarriage Width – Variable Gauge Retracted (without steps):				
600 mm (24") Shoes	2990 mm	(9'10")	2990 mm	(9'10")
750 mm (30") Shoes	3140 mm	(10'4")	3140 mm	(10'4")
900 mm (35") Shoes	3540 mm	(11'7")	3540 mm	(11'7")
Undercarriage Width – Retracted (with steps):				
600 mm (24") Shoes	3180 mm	(10'5")	3180 mm	(10'5")
750 mm (30") Shoes	3180 mm	(10'5")	3180 mm	(10'5")
900 mm (35") Shoes	3540 mm	(11'7")	3540 mm	(11'7")
Undercarriage Width – Extended (without steps):				
600 mm (24") Shoes	3490 mm	(11'5")	3490 mm	(11'5")
750 mm (30") Shoes	3640 mm	(11'11")	3640 mm	(11'11")
900 mm (35") Shoes	3790 mm	(12'5")	3790 mm	(12'5")
Undercarriage Width – Extended (with steps):				
600 mm (24") Shoes	3680 mm	(12'1")	3680 mm	(12'1")
750 mm (30") Shoes	3680 mm	(12'1")	3680 mm	(12'1")
900 mm (35") Shoes	3790 mm	(12'5")	3790 mm	(12'5")
Bucket Type	HD		HD	
Bucket Capacity	2.14 m³	(2.80 yd³)	2.14 m³	(2.80 yd³)
Bucket Tip Radius	1882 mm	(6'2")	1882 mm	(6'2")

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Working Ranges and Forces

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

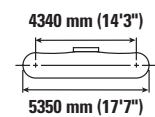
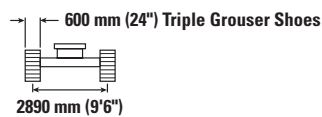
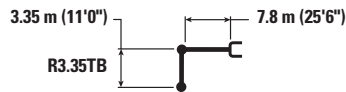



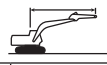












Boom Option	Straight Boom 7.8 m (25'6")			
Stick Options	Reach Stick			
	R3.35TB (11'0")		R3.9TB (12'10")	
Undercarriage Options	Variable Gauge			
1 Maximum Digging Depth	5460 mm	(17'11")	6010 mm	(19'9")
2 Maximum Reach at Ground Line	12 780 mm	(41'11")	13 240 mm	(43'5")
3 Maximum Stick Pin Height	12 560 mm	(41'2")	12 850 mm	(42'2")
4 Maximum Cutting Height	14 400 mm	(47'3")	14 650 mm	(48'1")
5 Maximum Loading Height	10 680 mm	(35'0")	10 970 mm	(36'0")
6 Minimum Loading Height	4900 mm	(16'1")	4390 mm	(14'5")
7 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5300 mm	(17'5")	5850 mm	(19'2")
8 Maximum Vertical Wall Digging Depth	4400 mm	(14'5")	4890 mm	(16'1")
Bucket Digging Force (ISO)	268 kN	(60,250 lbf)	268 kN	(60,250 lbf)
Stick Digging Force (ISO)	201 kN	(45,190 lbf)	184 kN	(41,360 lbf)
Bucket Type	HD		HD	
Bucket Capacity	2.14 m³	(2.80 yd³)	2.14 m³	(2.80 yd³)
Bucket Tip Radius	1881 mm	(6'2")	1881 mm	(6'2")

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Straight Boom Lift Capacities – Counterweight: 12.0 mt (26,460 lb) – without Bucket, Heavy Lift: On

Variable Gauge Undercarriage



		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		10 500 mm/35'0"				
														mm ft/in
12 000 mm 40'0"	kg lb	*33,650	*33,650									*13 350 *30,700	*13 350 *30,700	5270 16'0"
10 500 mm 35'0"	kg lb			*14 500 *31,800	*14 500 *31,800							*10 800 *24,200	*10 800 *24,200	7440 23'9"
9000 mm 30'0"	kg lb			*14 100 *31,150	*14 100 *31,150	*14 150 *30,700	13 650 29,300					*9750 *21,650	*9750 *21,650	8840 28'7"
7500 mm 25'0"	kg lb	*13 500 *29,500	*13 500 *29,500	*14 900 *32,550	*14 900 *32,550	*14 400 *31,350	13 450 28,950	*12 700 *27,700	10 050 21,550			*9250 *20,400	8650 19,250	9810 31'11"
6000 mm 20'0"	kg lb	*23 900 *51,350	*23 900 *51,350	*18 250 *39,400	*18 250 *39,400	*15 000 *32,550	13 050 28,100	*12 900 *28,000	9850 21,200			*9050 *19,950	7700 17,050	10 480 34'2"
4500 mm 15'0"	kg lb			*19 700 *42,550	17 250 37,250	*15 700 *34,000	12 500 27,000	*13 150 *28,550	9600 20,650	11 200 24,050	7550 16,250	*9050 *19,950	7150 15,750	10 890 35'8"
3000 mm 10'0"	kg lb			*20 600 *44,600	16 250 35,150	*16 150 *35,000	12 000 25,850	*13 300 *28,800	9300 20,050	11 050 23,750	7450 16,000	*9300 *20,450	6850 15,100	11 090 36'4"
1500 mm 5'0"	kg lb			*20 350 *44,100	15 650 33,750	*16 100 *34,900	11 600 25,000	*13 150 *28,400	9050 19,500	*10 750 *23,050	7300 15,750	*9650 *21,250	6800 14,950	11 080 36'4"
0 mm 0'0"	kg lb			*18 850 *41,000	15 400 33,200	*15 300 *33,200	11 350 24,450	*12 450 *26,850	8900 19,150	*9800 *20,800	7250 15,650	*8950 *19,700	6950 15,300	10 860 35'7"
-1500 mm -5'0"	kg lb	*14 000 *32,400	*14 000 *32,400	*16 450 *35,750	15 400 33,200	*13 700 *29,650	11 300 24,350	*11 050 *23,700	8850 19,100			*8000 *17,600	7400 16,250	10 420 34'1"
-3000 mm -10'0"	kg lb			*13 100 *28,350	*13 100 *28,350	*11 100 *23,850	*11 100 *23,850	*8550 *17,850	*8550 *17,850			*7650 *17,000	*7650 *17,000	9390 30'6"



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.

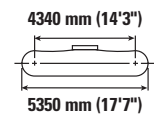
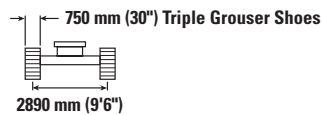
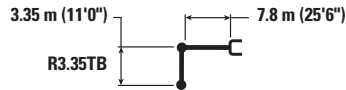
Lift capacity stays with $\pm 5\%$ for all available track shoes.















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

352 Straight Boom Hydraulic Excavator Specifications

Straight Boom Lift Capacities – Counterweight: 12.0 mt (26,460 lb) – without Bucket, Heavy Lift: On

Variable Gauge Undercarriage



		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		10 500 mm/35'0"				
														mm ft/in
12 000 mm 40'0"	kg lb	*33,650	*33,650									*13 350 *30,700	*13 350 *30,700	5270 16'0"
10 500 mm 35'0"	kg lb			*14 500 *31,800	*14 500 *31,800							*10 800 *24,200	*10 800 *24,200	7440 23'9"
9000 mm 30'0"	kg lb			*14 100 *31,150	*14 100 *31,150	*14 150 *30,700	13 800 29,650					*9750 *21,650	*9750 *21,650	8840 28'7"
7500 mm 25'0"	kg lb	*13 500 *29,500	*13 500 *29,500	*14 900 *32,550	*14 900 *32,550	*14 400 *31,350	13 600 29,300	*12 700 *27,700	10 150 21,800			*9250 *20,400	8750 19,500	9810 31'11"
6000 mm 20'0"	kg lb	*23 900 *51,350	*23 900 *51,350	*18 250 *39,400	*18 250 *39,400	*15 000 *32,550	13 200 28,450	*12 900 *28,000	10 000 21,450			*9050 *19,950	7800 17,250	10 480 34'2"
4500 mm 15'0"	kg lb			*19 700 *42,550	17 450 37,650	*15 700 *34,000	12 650 27,300	*13 150 *28,550	9700 20,900	*11 250 *24,350	7650 16,450	*9050 *19,950	7250 15,950	10 890 35'8"
3000 mm 10'0"	kg lb			*20 600 *44,600	16 450 35,550	*16 150 *35,000	12 150 26,200	*13 300 *28,800	9400 20,300	*11 150 *24,000	7550 16,200	*9300 *20,450	6950 15,300	11 090 36'4"
1500 mm 5'0"	kg lb			*20 350 *44,100	15 850 34,200	*16 100 *34,900	11 750 25,300	*13 150 *28,400	9150 19,750	*10 750 *23,050	7400 15,950	*9650 *21,250	6900 15,150	11 080 36'4"
0 mm 0'0"	kg lb			*18 850 *41,000	15 600 33,600	*15 300 *33,200	11 500 24,800	*12 450 *26,850	9000 19,400	*9800 *20,800	7350 15,850	*8950 *19,700	7050 15,500	10 860 35'7"
-1500 mm -5'0"	kg lb	*14 000 *32,400	*14 000 *32,400	*16 450 *35,750	15 600 33,600	*13 700 *29,650	11 450 24,650	*11 050 *23,700	8950 19,350			*8000 *17,600	7500 16,500	10 420 34'1"
-3000 mm -10'0"	kg lb			*13 100 *28,350	*13 100 *28,350	*11 100 *23,850	*11 100 *23,850	*8550 *17,850	*8550 *17,850			*7650 *17,000	*7650 *17,000	9390 30'6"



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.

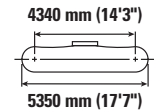
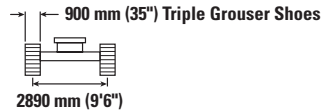
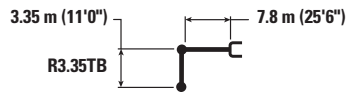
Lift capacity stays with $\pm 5\%$ for all available track shoes.


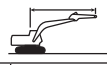












Always refer to the appropriate Operation and Maintenance Manual for specific product information.

352 Straight Boom Hydraulic Excavator Specifications

Straight Boom Lift Capacities – Counterweight: 12.0 mt (26,460 lb) – without Bucket, Heavy Lift: On

Variable Gauge Undercarriage



		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		10 500 mm/35'0"				
														mm ft/in
12 000 mm 40'0"	kg lb											*13 350 *30,700	*13 350 *30,700	5270 16'0"
10 500 mm 35'0"	kg lb			*14 500 *31,800	*14 500 *31,800							*10 800 *24,200	*10 800 *24,200	7440 23'9"
9000 mm 30'0"	kg lb			*14 100 *31,150	*14 100 *31,150	*14 150 *30,700	13 950 29,950					*9750 *21,650	*9750 *21,650	8840 28'7"
7500 mm 25'0"	kg lb	*13 500 *29,500	*13 500 *29,500	*14 900 *32,550	*14 900 *32,550	*14 400 *31,350	13 750 29,600	*12 700 *27,700	10 300 22,050			*9250 *20,400	8850 19,700	9810 31'11"
6000 mm 20'0"	kg lb	*23 900 *51,350	*23 900 *51,350	*18 250 *39,400	*18 250 *39,400	*15 000 *32,550	13 350 28,750	*12 900 *28,000	10 100 21,700			*9050 *19,950	7900 17,450	10 480 34'2"
4500 mm 15'0"	kg lb			*19 700 *42,550	17 650 38,100	*15 700 *34,000	12 800 27,650	*13 150 *28,550	9800 21,150	*11 250 *24,350	7750 16,700	*9050 *19,950	7300 16,150	10 890 35'8"
3000 mm 10'0"	kg lb			*20 600 *44,600	16 650 36,000	*16 150 *35,000	12 300 26,500	*13 300 *28,800	9550 20,550	*11 150 *24,000	7650 16,400	*9300 *20,450	7050 15,500	11 090 36'4"
1500 mm 5'0"	kg lb			*20 350 *44,100	16 050 34,600	*16 100 *34,900	11 900 25,600	*13 150 *28,400	9300 20,000	*10 750 *23,050	7500 16,150	*9650 *21,250	6950 15,350	11 080 36'4"
0 mm 0'0"	kg lb			*18 850 *41,000	15 800 34,050	*15 300 *33,200	11 650 25,100	*12 450 *26,850	9150 19,700	*9800 *20,800	7450 16,050	*8950 *19,700	7150 15,700	10 860 35'7"
-1500 mm -5'0"	kg lb	*14 000 *32,400	*14 000 *32,400	*16 450 *35,750	15 800 34,050	*13 700 *29,650	11 600 24,950	*11 050 *23,700	9100 19,600			*8000 *17,600	7600 16,700	10 420 34'1"
-3000 mm -10'0"	kg lb			*13 100 *28,350	*13 100 *28,350	*11 100 *23,850	*11 100 *23,850	*8550 *17,850	*8550 *17,850			*7650 *17,000	*7650 *17,000	9390 30'6"



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.

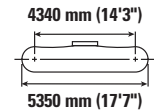
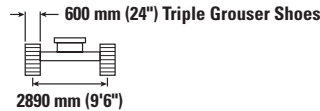
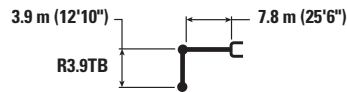
Lift capacity stays with $\pm 5\%$ for all available track shoes.















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352 Straight Boom Hydraulic Excavator Specifications

Straight Boom Lift Capacities – Counterweight: 12.0 mt (26,460 lb) – without Bucket, Heavy Lift: On

Variable Gauge Undercarriage



		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		10 500 mm/35'0"				mm ft/in
														
12 000 mm 40'0"	kg lb			*11 550	*11 550							*10 800 *24,550	*10 800 *24,550	6180 19'2"
10 500 mm 35'0"	kg lb			*12 500 *27,600	*12 500 *27,600	*11 400 *23,550	*11 400 *23,550					*9200 *20,550	*9200 *20,550	8110 26'0"
9000 mm 30'0"	kg lb			*12 000 *26,550	*12 000 *26,550	*12 350 *27,000	*12 350 *27,000	*10 450 *20,850	10 200 *20,850			*8500 *18,800	*8500 *18,800	9410 30'6"
7500 mm 25'0"	kg lb			*12 450 *27,350	*12 450 *27,350	*13 050 *28,550	*13 050 *28,550	*12 250 *26,700	10 150 21,850			*8150 *17,950	8000 17,850	10 320 33'7"
6000 mm 20'0"	kg lb	*16 800 *34,900	*16 800 *34,900	*15 950 *34,150	*15 950 *34,150	*14 500 *31,450	13 200 28,450	*12 550 *27,200	9950 21,400	*10 850 *21,700	7750 16,600	*8000 *17,650	7200 15,900	10 960 35'9"
4500 mm 15'0"	kg lb			*19 050 *41,100	17 500 37,800	*15 300 *33,100	12 650 27,250	*12 900 *27,900	9650 20,750	*11 100 *24,100	7600 16,300	*8100 *17,750	6700 14,750	11 360 37'2"
3000 mm 10'0"	kg lb			*20 250 *43,750	16 450 35,500	*15 900 *34,400	12 050 26,000	*13 150 *28,450	9300 20,050	11 050 23,750	7400 15,950	*8300 *18,300	6400 14,150	11 550 37'10"
1500 mm 5'0"	kg lb			*20 400 *44,250	15 700 33,850	*16 050 *34,750	11 600 25,000	*13 100 *28,350	9000 19,450	10 850 23,350	7250 15,650	*8750 *19,200	6350 13,950	11 530 37'10"
0 mm 0'0"	kg lb			*19 450 *42,200	15 300 33,000	*15 550 *33,650	11 300 24,300	*12 650 *27,300	8800 19,000	*10 250 *21,950	7150 15,400	*8700 *19,200	6500 14,250	11 320 37'1"
-1500 mm -5'0"	kg lb	*15 050 *34,650	*15 050 *34,650	*17 400 *37,800	15 200 32,750	*14 250 *30,800	11 150 24,050	*11 550 *24,800	8750 18,800	*8900 *18,750	7150 15,400	*8000 *17,500	6850 15,050	10 900 35'8"
-3000 mm -10'0"	kg lb			*14 450 *31,250	*14 450 *31,250	*12 050 *25,900	11 200 24,150	*9550 *20,250	8800 18,950			*6850 *15,050	*6850 *15,050	10 240 33'5"



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.

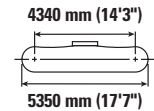
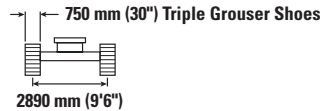
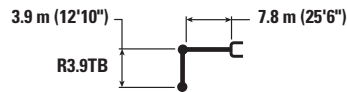
Lift capacity stays with $\pm 5\%$ for all available track shoes.















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352 Straight Boom Hydraulic Excavator Specifications

Straight Boom Lift Capacities – Counterweight: 12.0 mt (26,460 lb) – without Bucket, Heavy Lift: On

Variable Gauge Undercarriage



		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		10 500 mm/35'0"				
														mm ft/in
12 000 mm 40'0"	kg lb			*11 550	*11 550							*10 800 *24,550	*10 800 *24,550	6180 19'2"
10 500 mm 35'0"	kg lb			*12 500 *27,600	*12 500 *27,600	*11 400 *23,550	*11 400 *23,550					*9200 *20,550	*9200 *20,550	8110 26'0"
9000 mm 30'0"	kg lb			*12 000 *26,550	*12 000 *26,550	*12 350 *27,000	*12 350 *27,000	*10 450 *20,850	10 350 *20,850			*8500 *18,800	*8500 *18,800	9410 30'6"
7500 mm 25'0"	kg lb			*12 450 *27,350	*12 450 *27,350	*13 050 *28,550	*13 050 *28,550	*12 250 *26,700	10 300 22,100			*8150 *17,950	8100 *17,950	10 320 33'7"
6000 mm 20'0"	kg lb	*16 800 *34,900	*16 800 *34,900	*15 950 *34,150	*15 950 *34,150	*14 500 *31,450	13 350 28,750	*12 550 *27,200	10 050 21,650	*10 850 *21,700	7850 16,800	*8000 *17,650	7250 16,100	10 960 35'9"
4500 mm 15'0"	kg lb			*19 050 *41,100	17 700 38,250	*15 300 *33,100	12 800 27,550	*12 900 *27,900	9750 21,000	*11 100 *24,100	7700 16,550	*8100 *17,750	6750 14,950	11 360 37'2"
3000 mm 10'0"	kg lb			*20 250 *43,750	16 650 35,950	*15 900 *34,400	12 200 26,300	*13 150 *28,450	9450 20,300	*11 100 *24,000	7500 16,150	*8300 *18,300	6500 14,350	11 550 37'10"
1500 mm 5'0"	kg lb			*20 400 *44,250	15 900 34,250	*16 050 *34,750	11 750 25,300	*13 100 *28,350	9150 19,700	*10 850 *23,450	7350 15,850	*8750 *19,200	6450 14,150	11 530 37'10"
0 mm 0'0"	kg lb			*19 450 *42,200	15 500 33,400	*15 550 *33,650	11 450 24,650	*12 650 *27,300	8950 19,250	*10 250 *21,950	7250 15,600	*8700 *19,200	6550 14,450	11 320 37'1"
-1500 mm -5'0"	kg lb	*15 050 *34,650	*15 050 *34,650	*17 400 *37,800	15 400 33,200	*14 250 *30,800	11 300 24,350	*11 550 *24,800	8850 19,050	*8900 *18,750	7250 15,600	*8000 *17,500	6900 15,250	10 900 35'8"
-3000 mm -10'0"	kg lb			*14 450 *31,250	*14 450 *31,250	*12 050 *25,900	11 350 24,450	*9550 *20,250	8900 19,200			*6850 *15,050	*6850 *15,050	10 240 33'5"



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.

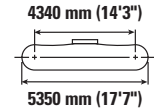
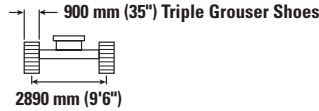
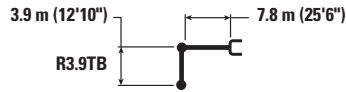
Lift capacity stays with $\pm 5\%$ for all available track shoes.

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

352 Straight Boom Hydraulic Excavator Specifications

Straight Boom Lift Capacities – Counterweight: 12.0 mt (26,460 lb) – without Bucket, Heavy Lift: On

Variable Gauge Undercarriage



		4500 mm/15'0"		6000 mm/20'0"		7500 mm/25'0"		9000 mm/30'0"		10 500 mm/35'0"				mm ft/in
12 000 mm 40'0"	kg lb			*11 550	*11 550							*10 800 *24,550	*10 800 *24,550	6180 19'2"
10 500 mm 35'0"	kg lb			*12 500 *27,600	*12 500 *27,600	*11 400 *23,550	*11 400 *23,550					*9200 *20,550	*9200 *20,550	8110 26'0"
9000 mm 30'0"	kg lb			*12 000 *26,550	*12 000 *26,550	*12 350 *27,000	*12 350 *27,000	*10 450 *20,850	10 450 *20,850			*8500 *18,800	*8500 *18,800	9410 30'6"
7500 mm 25'0"	kg lb			*12 450 *27,350	*12 450 *27,350	*13 050 *28,550	*13 050 *28,550	*12 250 *26,700	10 400 22,350			*8150 *17,950	*8150 *17,950	10 320 33'7"
6000 mm 20'0"	kg lb	*16 800 *34,900	*16 800 *34,900	*15 950 *34,150	*15 950 *34,150	*14 500 *31,450	13 500 29,050	*12 550 *27,200	10 200 21,900	*10 850 *21,700	7950 17,000	*8000 *17,650	7350 16,300	10 960 35'9"
4500 mm 15'0"	kg lb			*19 050 *41,100	17 900 38,650	*15 300 *33,100	12 950 27,900	*12 900 *27,900	9850 21,250	*11 100 *24,100	7800 16,750	*8100 *17,750	6850 15,150	11 360 37'2"
3000 mm 10'0"	kg lb			*20 250 *43,750	16 850 36,350	*15 900 *34,400	12 350 26,650	*13 150 *28,450	9550 20,550	*11 100 *24,000	7600 16,400	*8300 *18,300	6600 14,500	11 550 37'10"
1500 mm 5'0"	kg lb			*20 400 *44,250	16 100 34,700	*16 050 *34,750	11 900 25,600	*13 100 *28,350	9250 19,950	*10 850 *23,450	7450 16,050	*8750 *19,200	6550 14,350	11 530 37'10"
0 mm 0'0"	kg lb			*19 450 *42,200	15 700 33,850	*15 550 *33,650	11 600 24,950	*12 650 *27,300	9050 19,500	*10 250 *21,950	7350 15,850	*8700 *19,200	6650 14,650	11 320 37'1"
-1500 mm -5'0"	kg lb	*15 050 *34,650	*15 050 *34,650	*17 400 *37,800	15 600 33,600	*14 250 *30,800	11 450 24,650	*11 550 *24,800	8950 19,350	*8900 *18,750	7350 15,850	*8000 *17,500	7000 15,450	10 900 35'8"
-3000 mm -10'0"	kg lb			*14 450 *31,250	*14 450 *31,250	*12 050 *25,900	11 500 24,750	*9550 *20,250	9000 19,450			*6850 *15,050	*6850 *15,050	10 240 33'5"



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.

352 Straight Boom Hydraulic Excavator Specifications

Typical Pass Match Guide

For maximum production and efficiency, we recommend that loading and hauling machines are matched to achieve optimal performance.

Configuration:*

Variable Gauge undercarriage, Straight boom, Reach 3.35 m TB (11'0") stick, HD 2.14 m³ (2.8 yd³) bucket, 600 mm (24") triple grouser shoes and 11.35 mt (25,020 lb) removable counterweight.

Passes Required to Fill Trucks to Rated Capacity

Material Type	Material Density	Cat Articulated Trucks							Cat Off-Highway Trucks				
		725	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773E	773G	775G
Earth	1600 kg/m ³ (2,700 lb/yd ³)	7	8	8	9	11	11	12	11	14	16	16	19
Limestone	1540 kg/m ³ (2,600 lb/yd ³)	8	9	9	11	13	12	14	13	16	19	19	

* The indicated pass match reflects the machine configuration, fill factor, and typical material density shown. Changes to machine configurations, fill factors, or material density as well as jobsite-specific factors may influence exact pass match recommendations for your application. Consult your Cat dealer for more information.

Configuration:*

Variable Gauge undercarriage, Straight boom, Reach 3.9 m TB (12'10") stick, HD 2.14 m³ (2.8 yd³) bucket, 600 mm (24") triple grouser shoes and 11.35 mt (25,020 lb) removable counterweight.

Passes Required to Fill Trucks to Rated Capacity

Material Type	Material Density	Cat Articulated Trucks							Cat Off-Highway Trucks				
		725	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773E	773G	775G
Earth	1600 kg/m ³ (2,700 lb/yd ³)	7	8	8	9	11	11	12	11	14	16	16	19
Limestone	1540 kg/m ³ (2,600 lb/yd ³)	8	9	9	11	13	12	14	13	16	19	19	

* The indicated pass match reflects the machine configuration, fill factor, and typical material density shown. Changes to machine configurations, fill factors, or material density as well as jobsite-specific factors may influence exact pass match recommendations for your application. Consult your Cat dealer for more information.

352 Straight Boom Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – Europe

	Linkage	Width		Capacity		Weight		Fill	Variable Gauge Undercarriage	
									12.0 mt (26,460 lb) and 11.35 mt (25,020 lb) with Removable Counterweight	
		mm	in	m³	yd³	kg	lb		7.8 m (25'6") Straight Boom	
									R3.35 (11'0")	R3.9 (12'10")
Pin-On (No Quick Coupler)										
Heavy Duty	TB	1650	66	2.41	3.15	2220	4,894	100	⊙	⊙
Severe Duty Spade	TB	1700	67	2.50	3.27	2409	5,311	90	⊙	⊙
Heavy Duty	TB	1850	72	2.69	3.52	2349	5,179	100	⊖	⊖
	TB	1900	74	2.78	3.64	2427	5,351	100	⊖	○
Severe Duty Spade	TB	1350	54	1.87	2.44	2053	4,526	90	●	●
Severe Duty	TB	1550	61	2.14	2.80	2327	5,130	90	●	●
	TB	1700	67	2.41	3.16	2479	5,465	90	●	⊙
Severe Duty Spade	TB	1650	66	2.41	3.15	2367	5,218	90	●	⊙
	TB	1900	75	2.78	3.64	2723	6,003	90	⊖	⊖
Extreme Duty	TB	1700	67	2.41	3.16	2722	6,001	90	⊙	⊖
Extreme Duty Spade	TB	1950	77	2.78	3.64	2974	6,557	90	⊖	○
Maximum load with pin-on (payload + bucket)								kg	6850	6360
								lb	15,102	14,021
With Pin Grabber Coupler										
Heavy Duty	TB	1650	66	2.41	3.15	2220	4,894	100	⊖	○
Severe Duty Spade	TB	1700	67	2.50	3.27	2409	5,311	90	⊖	○
Heavy Duty	TB	1850	72	2.69	3.52	2349	5,179	100	○	◇
	TB	1900	74	2.78	3.64	2427	5,351	100	○	◇
Severe Duty Spade	TB	1350	54	1.87	2.44	2053	4,526	90	●	⊙
Severe Duty	TB	1550	61	2.14	2.80	2327	5,130	90	⊙	⊖
	TB	1700	67	2.41	3.16	2479	5,465	90	⊖	○
Severe Duty Spade	TB	1650	66	2.41	3.15	2367	5,218	90	⊖	○
	TB	1900	75	2.78	3.64	2723	6,003	90	○	◇
Extreme Duty	TB	1700	67	2.41	3.16	2722	6,001	90	○	○
Extreme Duty Spade	TB	1950	77	2.78	3.64	2974	6,557	90	◇	◇
Maximum load with coupler (payload + bucket)								kg	5797	5307
								lb	12,780	11,699

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

352 Straight Boom Hydraulic Excavator Specifications

Bucket Specifications and Compatibility – North America

	Linkage	Width		Capacity		Weight		Fill	Variable Gauge Undercarriage	
									12.0 mt (26,460 lb) and 11.35 mt (25,020 lb) with Removable Counterweight	
		mm	in	m³	yd³	kg	lb		7.8 m (25'6") Straight Boom	
									R3.35 (11'0")	R3.9 (12'10")
Pin-On (No Quick Coupler)										
General Duty	TB	2050	81	3.30	4.32	2465	5,434	100	○	○
General Duty – High Capacity	TB	2050	80	3.82	5.00	2552	5,626	100	◇	◇
Severe Duty	TB	1300	51	1.75	2.29	1925	4,244	90	●	●
Heavy Duty	TB	1500	59	2.05	2.68	2068	4,559	100	●	●
	TB	1650	65	2.30	3.01	2232	4,921	100	●	⊙
	TB	1800	71	2.60	3.40	2385	5,258	100	⊙	⊖
	TB	1950	77	2.90	3.79	2534	5,586	100	⊖	○
	TB	1950	77	2.90	3.79	2534	5,586	100	⊖	○
Severe Duty	TB	1900	75	3.09	4.05	2866	6,318	90	⊖	○
	TB	1950	77	2.90	3.79	2817	6,210	90	⊖	○
Heavy Duty	TB	1350	53	1.87	2.45	1980	4,365	100	●	●
	TB	1800	71	2.69	3.52	2438	5,375	100	⊖	⊖
Severe Duty	TB	1550	61	2.14	2.80	2370	5,224	90	●	●
Heavy Duty	TB	1200	48	1.60	2.09	1853	4,085	100	●	●
	TB	1650	66	2.41	3.15	2308	5,088	100	⊙	⊖
	TB	1800	72	2.69	3.52	2438	5,375	100	⊖	⊖
Maximum load with pin-on (payload + bucket)								kg	6850	6360
								lb	15,102	14,021
With Pin Grabber Coupler										
General Duty	TB	2050	81	3.30	4.32	2465	5,434	100	◇	◇
General Duty – High Capacity	TB	2050	80	3.82	5.00	2552	5,626	100	X	X
Severe Duty	TB	1300	51	1.75	2.29	1925	4,244	90	●	●
Heavy Duty	TB	1500	59	2.05	2.68	2068	4,559	100	⊙	⊖
	TB	1650	65	2.30	3.01	2232	4,921	100	⊖	○
	TB	1800	71	2.60	3.40	2385	5,258	100	○	◇
	TB	1950	77	2.90	3.79	2534	5,586	100	◇	◇
	TB	1950	77	2.90	3.79	2534	5,586	100	◇	◇
Severe Duty	TB	1900	75	3.09	4.05	2866	6,318	90	◇	◇
	TB	1950	77	2.90	3.79	2817	6,210	90	○	◇
Heavy Duty	TB	1350	53	1.87	2.45	1980	4,365	100	●	⊙
	TB	1800	71	2.69	3.52	2438	5,375	100	○	◇
Severe Duty	TB	1550	61	2.14	2.80	2370	5,224	90	⊙	⊖
Heavy Duty	TB	1200	48	1.60	2.09	1853	4,085	100	●	●
	TB	1650	66	2.41	3.15	2308	5,088	100	⊖	○
	TB	1800	72	2.69	3.52	2438	5,375	100	○	◇
Maximum load with coupler (payload + bucket)								kg	5797	5307
								lb	12,780	11,699

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)
- X Not Recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

352 Straight Boom Hydraulic Excavator Specifications

Attachments Offering Guide – Europe

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

☒ Match
 ☐ * Working range front only
 ☐ No Match
 ☒ 1800 kg/m³ (3,000 lb/yd³)
 ☐ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Stick Length		R3.35 (11'0")	R3.9 (12'10")
Hydraulic Hammers	H160 S	✓	✓
	H180 GC S	✓	✓
	H180 S	✓	✓
	H190 S	✓	✓
Multi-Processors	MP345 Concrete Cutter Jaw	✓	✓
	MP345 Demolition Jaw	✓	✓
	MP345 Pulverizer Jaw	✓	✓
	MP345 Shear Jaw	✓	✓
	MP345 Concrete Cutter Jaw Flat Top	✓	✓
	MP345 Demolition Jaw Flat Top	✓	✓
	MP345 Pulverizer Jaw Flat Top	✓	✓
	MP345 Shear Jaw Flat Top	✓	✓
	MP365 Concrete Cutter Jaw	✓*	
	MP365 Shear Jaw	✓*	
Demolition and Sorting Grapples	G345	✓	✓
Mobile Scrap and Demolition Shears	S3050 Flat Top	✓	✓
Pulverizers	P345 Primary Pulverizer	✓	✓
	P345 Primary Pulverizer Flat Top	✓	✓
Orange Peel Grapples	GSH455-1000	●	●
	GSH455-1500	●	●
	GSH455-2000	●	●
	GSH555-1000	●	●
	GSH555-1500	●	●
	GSM-50-1000	●	●
	GSM-50-1250	●	●
	GSM-50-1500	●	●
	GSM-50-2000	○	○
	GSM-60-1250	●	○
	GSM-60-1500	○	○
Clamshell Grapples	CTV30-1700	●	●
	CTV30-1900	●	●
	CTV30-2300	●	○
	CTV30-2700	○	○
	CTV30-2900	○	○
	CTV30-3100	○	

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352 Straight Boom Hydraulic Excavator Specifications

Attachments Offering Guide – Europe (continued)

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

☒ Match
 ☐ * Working range front only
 ☐ No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Stick Length		R3.35 (11'0")	R3.9 (12'10")
Hydraulic Hammers	H160 S	✓	✓
	H180 GC S	✓	✓
	H180 S	✓	✓
	H190 S	✓*	
Multi-Processors	MP345 Concrete Cutter Jaw	✓	✓
	MP345 Demolition Jaw	✓	✓*
	MP345 Pulverizer Jaw	✓	✓*
	MP345 Shear Jaw	✓	✓
	MP345 Concrete Cutter Jaw Flat Top	✓	✓*
	MP345 Demolition Jaw Flat Top	✓*	
	MP345 Pulverizer Jaw Flat Top	✓*	
	MP345 Shear Jaw Flat Top	✓	✓*
Demolition and Sorting Grapples	G345	✓	✓
Pulverizers	P345 Primary Pulverizer	✓*	

CW-55 DEDICATED COUPLER ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Stick Length		R3.35 (11'0")	R3.9 (12'10")
Hydraulic Hammers	H160 S	✓	✓
	H180 GC S	✓	✓
	H180 S	✓	✓
	H190 S	✓	
Multi-Processors	MP345 Concrete Cutter Jaw	✓	✓
	MP345 Demolition Jaw	✓	✓*
	MP345 Pulverizer Jaw	✓	✓*
	MP345 Shear Jaw	✓	✓
	MP345 Concrete Cutter Jaw Flat Top	✓	✓*
	MP345 Demolition Jaw Flat Top	✓*	
	MP345 Pulverizer Jaw Flat Top	✓*	
	MP345 Shear Jaw Flat Top	✓	✓*
Demolition and Sorting Grapples	G345	✓	✓
Pulverizers	P345 Primary Pulverizer		✓*

BOOM-MOUNT ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Mobile Scrap and Demolition Shears	S2090	✓	
	S3070 Flat Top	✓	
	S3090 Flat Top	✓	

352 Straight Boom Hydraulic Excavator Specifications

Attachments Offering Guide – North America

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

☒ Match
 ☐ * Working range front only
 ☐ No Match
 ☒ 1800 kg/m³ (3,000 lb/yd³)
 ☐ 1200 kg/m³ (2,000 lb/yd³)

PIN-ON ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Stick Length		R3.35 (11'0")	R3.9 (12'10")
Hydraulic Hammers	H160 S	✓	✓
	H180 GC S	✓	✓
	H180 S	✓	✓
	H190 S	✓	✓
Multi-Processors	MP345 Concrete Cutter Jaw	✓	✓
	MP345 Demolition Jaw	✓	✓
	MP345 Pulverizer Jaw	✓	✓
	MP345 Shear Jaw	✓	✓
	MP345 Concrete Cutter Jaw Flat Top	✓	✓
	MP345 Demolition Jaw Flat Top	✓	✓
	MP345 Pulverizer Jaw Flat Top	✓	✓
	MP345 Shear Jaw Flat Top	✓	✓
	MP365 Concrete Cutter Jaw	✓*	
	MP365 Shear Jaw	✓*	
Demolition and Sorting Grapples	G345	✓	✓
Mobile Scrap and Demolition Shears	S3050 Flat Top	✓	✓
Pulverizers	P345 Primary Pulverizer	✓	✓
	P345 Primary Pulverizer Flat Top	✓	✓
Orange Peel Grapples	GSH455-1000	●	●
	GSH455-1500	●	●
	GSH455-2000	●	●
	GSH555-1000	●	●
	GSH555-1500	●	●
Clamshell Grapples	CTV30-1900	●	●
	CTV30-2300	○	○
	CTV30-2500	○	○
	CTV30-2700	○	○

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352 Straight Boom Hydraulic Excavator Specifications

Attachments Offering Guide – North America *(continued)*

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

☒ Match
 ☐ * Working range front only
 ☐ No Match

CAT PIN GRABBER COUPLER ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Stick Length		R3.35 (11'0")	R3.9 (12'10")
Hydraulic Hammers	H160 S	✓	✓
	H180 GC S	✓	✓
	H180 S	✓	✓
	H190 S	✓*	
Multi-Processors	MP345 Concrete Cutter Jaw	✓	✓
	MP345 Demolition Jaw	✓	✓*
	MP345 Pulverizer Jaw	✓	✓*
	MP345 Shear Jaw	✓	✓
	MP345 Concrete Cutter Jaw Flat Top	✓	✓*
	MP345 Demolition Jaw Flat Top	✓*	
	MP345 Pulverizer Jaw Flat Top	✓*	
	MP345 Shear Jaw Flat Top	✓	✓*
Demolition and Sorting Grapples	G345	✓	✓
Pulverizers	P345 Primary Pulverizer	✓*	

BOOM-MOUNT ATTACHMENTS

Undercarriage		Variable Gauge	
Counterweight		12.0 mt (26,460 lb)	
Boom Type		Straight	
Mobile Scrap and Demolition Shears	S2090	✓	
	S3070 Flat Top	✓	
	S3090 Flat Top	✓	

352 Straight Boom Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional		Standard	Optional
BOOM, STICKS AND LINKAGES			CAT TECHNOLOGY		
7.8 m (25'6") Straight boom	✓		Cat Equipment Management:		
3.35 m (11'0") Reach stick		✓	– VisionLink™	✓ ⁵	
3.9 m (12'10") Reach stick		✓	– Remote Flash	✓	
TB family bucket linkage		✓	– Remote Troubleshoot	✓	
CAB			– Work tool recognition and tracking (PL161)	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓		Cat Grade:		
Operator Protective Guards	✓		– Cat Grade with 2D	✓	
Auto bi-level air conditioner	✓		Cat Assist:		
Jog dial and shortcut keys for monitor control	✓		– Lift Assist	✓	
Keyless push-to-start engine control	✓		Cat Payload:		
Height-adjustable console	✓		– On-the-go weighing	✓	
Tilt-up left-side console	✓		– Semiautomatic calibration	✓	
Heated air-suspension seat	✓		– Payload/cycle information	✓	
51 mm (2") seat belt	✓		– VisionLink back office reporting		✓ ⁶
Monitor integrated Bluetooth® radio with USB/Auxiliary ports ¹	✓		Cat Advanced Payload:		
Monitor integrated Bluetooth radio with USB/Auxiliary ports/DAB ²	✓		– Daily totals		✓
12V DC outlets	✓		– Custom lists		✓
Document storage	✓		– Smart weight target		✓
Overhead storage and rear storage with nets	✓		– E-ticket Integration		✓ ⁶
Cup holder	✓		ELECTRICAL SYSTEM		
Openable two-piece front window	✓		Maintenance-free 1,000 CCA batteries (×4)	✓	
Rear window emergency exit	✓		Centralized electrical disconnect switch	✓	
Radial wiper with washer	✓		LED exterior chassis and boom lights	✓	
Openable polycarbonate skylight hatch	✓		Premium surround working lights	✓	
LED dome light	✓		ENGINE		
Floor welcome light	✓		115 amp alternator	✓	
Roof sunscreen	✓		Three selectable modes: Power, Smart, Eco	✓	
Roller front sunscreen	✓		Auto engine speed control	✓	
Roller rear sunscreen	✓		52° C (126° F) high-ambient cooling	✓	
Washable floor mat	✓		Hydraulic reverse fan	✓	
Beacon ready	✓		–18° C (0° F) cold start capability	✓	
Cat Stick Steer	✓		–32° C (–25° F) cold start capability		✓
Auxiliary relay	✓		Double element air filter with integrated pre-cleaner	✓	
			Dual stage four micron main filter	✓	
			Inlet air heater	✓	
			Engine oil sensor		✓
			10 micron primary filter with water separator	✓	
			Electric fuel priming pump	✓	
			Secure start with PIN code	✓	
			Remote disable	✓	

¹North America only

²Europe only

³Optional in Europe

⁴Optional in North America

⁵Provides 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.

⁶VisionLink subscription required. Consult your Cat dealer for details.

(continued on next page)

352 Straight Boom 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
HYDRAULIC SYSTEM			SERVICE AND MAINTENANCE		
Boom and stick regeneration circuit	✓		Integrated vehicle health management system	✓	
Electronic main control valve	✓		Grouped engine oil and fuel filters	✓	
Auto dig boost	✓		S-O-S SM ports	✓	
Auto heavy lift	✓		QuickEvac TM maintenance ready	✓	
Auto hydraulic oil warmup	✓		Electric refueling pump with auto shutoff ²	✓	
Bio hydraulic oil capability	✓		UNDERCARRIAGE AND STRUCTURES		
Hydraulic efficiency monitoring		✓	Variable gauge undercarriage	✓ ⁴	
Fine swing capability	✓		Towing eye on base frame	✓	
Auto swing parking brake	✓		Full-length track guiding guards	✓	
High performance hydraulic return filter	✓		HD bottom guard	✓	
Two speed travel	✓		HD travel motor guards	✓	
Combined two-way auxiliary circuit	✓		Bucket cylinder guard	✓	
Medium-pressure auxiliary circuit	✓		Grease lubricated track	✓	
Quick coupler circuit for Cat Pin Grabber	✓ ¹		11.35 mt (25,020 lb) removable counterweight		✓
Quick coupler circuit for CW dedicated	✓ ²		12.0 mt (26,460 lb) counterweight		✓
SAFETY AND SECURITY			600 mm (24") triple grouser track shoes		✓
2D E-Fence:	✓		750 mm (30") triple grouser track shoes		✓
– E-ceiling			900 mm (35") triple grouser track shoes		✓
– E-floor					
– E-swing					
– E-wall					
– E-cab avoidance					
Auto hammer stop	✓				
Caterpillar One Key security system	✓				
Lockable external tool/storage box	✓				
Lockable door, fuel, and hydraulic tank locks	✓				
Lockable fuel drain compartment	✓				
Service platform with anti-skid plate and recessed bolts	✓				
Right Hand (RH) handrail and handhold	✓				
Signaling/warning horn	✓				
Travel alarm	✓ ³				
Swing alarm		✓			
Bluetooth receiver	✓				
Ground-level secondary engine shutoff switch	✓				
Lockable disconnect switch	✓				
Boom lowering check valve capability	✓				
Stick lowering check valve capability	✓				
Rear and right-hand-sideview cameras	✓				
360° visibility		✓			
Inspection lighting		✓			

¹North America only

²Europe only

³Optional in Europe

⁴Optional in North America

⁵Provides 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.

⁶VisionLink subscription required. Consult your Cat dealer for details.

Dealer Installed Kits and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Left Hand (LH) electrical pedal for tool control
- Horizontal slider joysticks
- Duct ready for advanced cabin filtration

SAFETY AND SECURITY

- Bluetooth key fob
- 75 mm (3") retractable seat belt
- Remote Control system line-of-sight (LOS) or non-line-of-sight (NLOS)
- Cat Detect – People Detection
- Cat Command – Remote control kit

PERFORMANCE AND PRODUCTIVITY

- Delayed engine shutdown kit

GUARD

- Bucket cylinder guard

352 Straight Boom 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® C13B engine meets U.S. EPA Tier 4 Final and EU Stage V 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 Cat 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 or R1234yf. See the label or instruction manual for identification of the gas.
 - If equipped with R134a (Global Warming Potential = 1430), the system contains 1.0 kg (2.2 lb) of refrigerant which has a CO₂ equivalent of 1.430 metric tonnes (1.576 tons).
 - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.85 kg (1.87 lb) of refrigerant which has a CO₂ equivalent of 0.001 metric tonnes (0.001 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) – 108 dB(A)

ISO 6396:2008 (inside cab) – 73 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.
 - Smart mode matches machine power to digging requirements automatically
 - Eco mode helps minimize fuel consumption for light applications
 - Increase operating efficiency with standard Cat technologies that help lower operator fatigue and operating costs.
 - Hydraulic reversing fan cools engine on demand to help reduce fuel consumption
 - Extended service intervals help decrease maintenance costs

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	83.09%
Iron	8.97%
Nonferrous Metal	1.66%
Mixed Metal	0.04%
Mixed-Metal and Nonmetal	0.72%
Plastic	0.62%
Rubber	0.16%
Mixed Nonmetallic	0.13%
Fluid	2.97%
Other	1.64%
Uncategorized	0.00%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714:2008 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability – 98%

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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