325
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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325 Hydraulic Excavator Specifications

Engine

Engine Model	Cat® C4.4	
Net Power		
ISO 9249	128.5 kW	172 hp
ISO 9249 (DIN)	175 hp (metric)	
Engine Power		
ISO 14396	129.4 kW	174 hp
ISO 14396 (DIN)	176 hp (metric)	
Bore	105 mm	4 in
Stroke	127 mm	5 in
Displacement	4.4 L	269 in³
Biodiesel capability	Up to B20(1)	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 3000 m (9,840 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator.
- Engine speed at 2,200 rpm.

(1)Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or 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.

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

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

Swing Mechanism

Swing Speed	11.12 rpm	
Maximum Swing Torque	82 kN·m	60,480 lbf-ft

Weights

Operating Weight	26 200 kg	57,800 lb

- Long undercarriage, Reach boom, R2.9B (9'6") stick, Heavy Duty (HD) 1.19 m³ (1.56 yd³) bucket, 600 mm (24") HD triple grouser shoes, 4.9 mt (10,800 lb) counterweight and blade.

Operating Weight	28 500 kg	62,800 lb

- Long undercarriage, Reach boom, R2.9B (9'6") stick, HD 1.19 m³ (1.56 yd³) bucket, 790 mm (31") HD triple grouser shoes and 8.3 mt (18,300 lb) counterweight.

Track

Optional Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	700 mm	28 in
Optional Track Shoes Width	790 mm	31 in
Number of Shoes (each side)	49	
Number of Track Rollers (each side)	8	
Number of Carrier Rollers (each side)	2	

Drive

Gradeability	35°/70%	
Maximum Travel Speed	5.7 km/h	3.5 mph
Maximum Drawbar Pull	201 kN	45,232 lbf

Hydraulic System

Main System – Maximum Flow – Implement	429 L/min	113 gal/min
Maximum Pressure – Equipment – Normal	35 000 kPa	5,075 psi
Maximum Pressure – Equipment – Heavy Lift Mode/Auto Dig Boost	38 000 kPa	5,510 psi
Maximum Pressure – Travel	35 000 kPa	5,075 psi
Maximum Pressure – Swing	27 500 kPa	3,988 psi
Auxiliary Pump (optional) – Maximum Flow	50.5 L/min	13 gal/min
Auxiliary Pump for Blade (optional) – Maximum Flow	92.4 L/min	24 gal/min
Maximum Pressure – Auxiliary circuit (optional)	14 000 kPa	2,031 psi
Maximum Pressure – Blade (optional)	24 500 kPa	3,553 psi
Boom Cylinder – Bore	125 mm	5 in
Boom Cylinder – Stroke	1410 mm	56 in
Stick Cylinder – Bore	140 mm	6 in
Stick Cylinder – Stroke	1504 mm	59 in
Bucket Cylinder – Bore	120 mm	5 in
Bucket Cylinder – Stroke	1104 mm	43 in

Service Refill Capacities

Fuel Tank Capacity	313 L	82.7 gal
Cooling System	11.8 L	3.1 gal
Engine Oil (with filter)	15 L	4.0 gal
Swing Drive	5.5 L	1.5 gal
Final Drive (each)	4.5 L	1.2 gal
Hydraulic System (including tank)	230 L	60.8 gal
Hydraulic Tank (including suction pipe)	111 L	29.3 gal
Diesel Exhaust Fluid (DEF) Tank	26 L	6.9 gal

Standards

Brakes	ISO 10265:2008
Cab/Rollover Protective Structure (ROPS)	ISO 12117-2:2008
Cab/Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II

Sound Performance

ISO 6395 (external)	97 dB(A)
ISO 6396 (inside cab)	70 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Operating Weights and Ground Pressures

	600 mm (24") HD Triple Grouser Shoes		700 mm (28") HD Triple Grouser Shoes		790 mm (31") HD Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
Base Machine Configurations	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Frame with Track Rollers and Carrier Rollers						
4.9 mt (10,800 lb) Counterweight + Long Undercarriage Base Machine						
Reach Boom + R2.9B (9'6") Stick + 1.19 m^3 (1.56 yd^3) HD Bucket + Blade + AUX lines	26 200 (57,800)	54.3 (8.0)	26 500 (58,400)	47.2 (6.9)	26 900 (59,300)	42.5 (6.2)
8.3 mt (18,300 lb) Counterweight + Long Undercarriage Base Machine						
Reach Boom + R2.9B (9'6") Stick + 1.19 m^3 (1.56 yd^3) HD Bucket + AUX lines	27 800 (61,300)	57.8 (8.4)	28 100 (61,900)	50.1 (7.3)	28 500 (62,800)	45.0 (6.5)

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

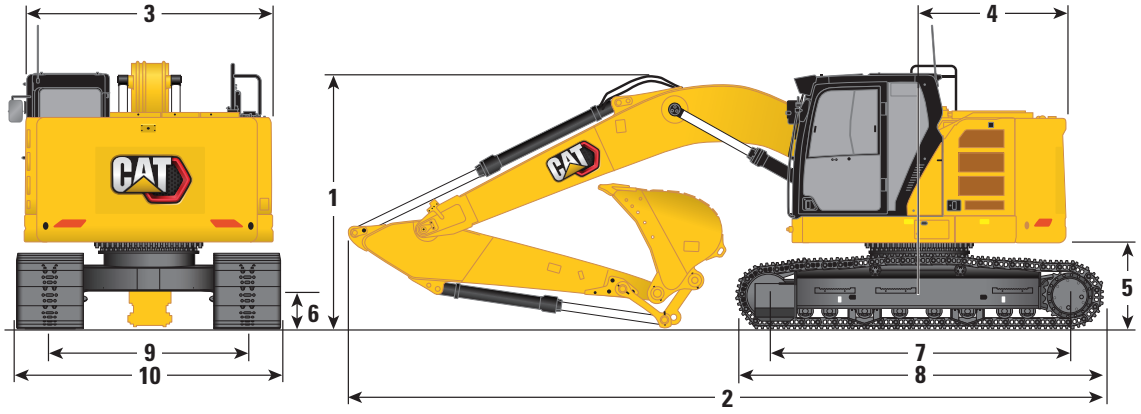
Major Component Weights

	kg	lb
Base Machine Weight (with counterweight, upper frame, Long undercarriage with track rollers and two boom cylinders – does not include boom, stick, bucket, blade, stick cylinder, bucket cylinder, tracks, 90% fuel tank and 75 kg [165 lb] operator).		
With 4.9 mt (10,800 lb) Counterweight (for use with Blade)	17 490	38,560
With 8.3 mt (18,300 lb) Counterweight	20 250	44,640
Track Shoes:		
600 mm (24") Width, 12.5 mm (0.49") Thick, HD Triple Grouser Track Shoes	3190	7,040
700 mm (28") Width, 12.5 mm (0.49") Thick, HD Triple Grouser Track Shoes	3520	7,770
790 mm (31") Width, 12.5 mm (0.49") Thick HD Triple Grouser Track Shoes with Step Extension	3860	8,500
Two Boom Cylinders	420	940
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	310	690
Blades (including lines, cylinders, frame modifications):		
2980 mm (9'9") Blade (for use with 4.9 mt [10,800 lb] counterweight and 600 mm [24"] track shoes)	1150	2,540
3170 mm (10'5") Blade (for use with 4.9 mt [10,800 lb] counterweight and 700 mm [28"] or 790 mm [31"] track shoes)	1190	2,620
Counterweights:		
4.9 mt (10,800 lb) Counterweight	4900	10,800
8.3 mt (18,300 lb) Counterweight	8300	18,300
Swing Frames:		
Swing Frame with Standard Base Frame and SD Track Rollers for 4.9 mt (10,800 lb) Counterweight – for use with Blade	7050	15,530
Swing Frame with Standard Base Frame and SD Track Rollers for 8.3 mt (18,300 lb) Counterweight – without Blade	6960	15,350
Undercarriages:		
Long Undercarriage without Blade	4560	10,050
Long Undercarriage for use with Blade	5120	11,290
Boom (including lines, pins, stick cylinder):		
Reach Boom 5.7 m (18'8")	1740	3,830
AUX Lines (HP + QC)	130	290
Stick (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R2.9B (9'6")	1030	2,270
AUX Lines (HP + QC)	60	130
Buckets (without linkage, with tips and side cutters):		
1.00 m^3 (1.30 yd^3) HD	960	2,100
1.19 m^3 (1.56 yd^3)	1040	2,290
Quick Couplers:		
Pin Grabber QC B without Pins	430	940
CW QC B without Pins	250	550

Refer to page 17 for a complete list of bucket options.

Dimensions

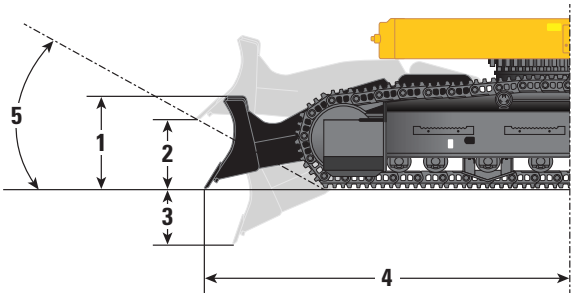
All dimensions are approximate and may vary depending on bucket selection.



Boom Option	Reach Boom 5.7 m (18'8")	
Stick Option	**Reach Stick R2.9B1 (9'6")**	
1 Machine Height		
Top of Cab Height	3080 mm	10'1"
Top of GNSS Antenna Height (if installed)	2620 mm	8'7"
Top of OPG Height	3220 mm	10'7"
Shipping Height without OPG	3210 mm	10'6"
Handrail Height	3190 mm	10'5"
With Boom/Stick/Bucket Installed	3210 mm	10'6"
With Boom/Stick Installed	2990 mm	9'9"
With Boom Installed	2530 mm	8'3"
2 Machine Length		
With Boom/Stick/Bucket Installed	8890 mm	29'2"
With Boom/Stick Installed	8850 mm	29'0"
With Boom Installed	7780 mm	25'6"
With Blade Installed	9590 mm	31'5"
3 Upperframe Width	2990 mm	9'10"
4 Tail Swing Radius:	1810 mm	5'11"
With 4.9 mt (10,800 lb) Counterweight	1780 mm	5'8"
With 8.3 mt (18,300 lb) Counterweight	1810 mm	5'11"
5 Counterweight Clearance	980 mm	3'2"
6 Ground Clearance	440 mm	1'4"
7 Length to Center of Rollers	3650 mm	12'0"
8 Track Length	4460 mm	14'7"
9 Track Gauge	2380 mm	7'10"
10 Undercarriage Width		
600 mm (24") Shoes	2980 mm	9'9"
700 mm (28") Shoes	3080 mm	10'1"
790 mm (31") Shoes	3170 mm	10'5"
Bucket Type	HD	
Bucket Capacity	1.19 m^3	1.56 yd^3
Bucket Tip Radius	1571 mm	5'2"

Blade Dimensions

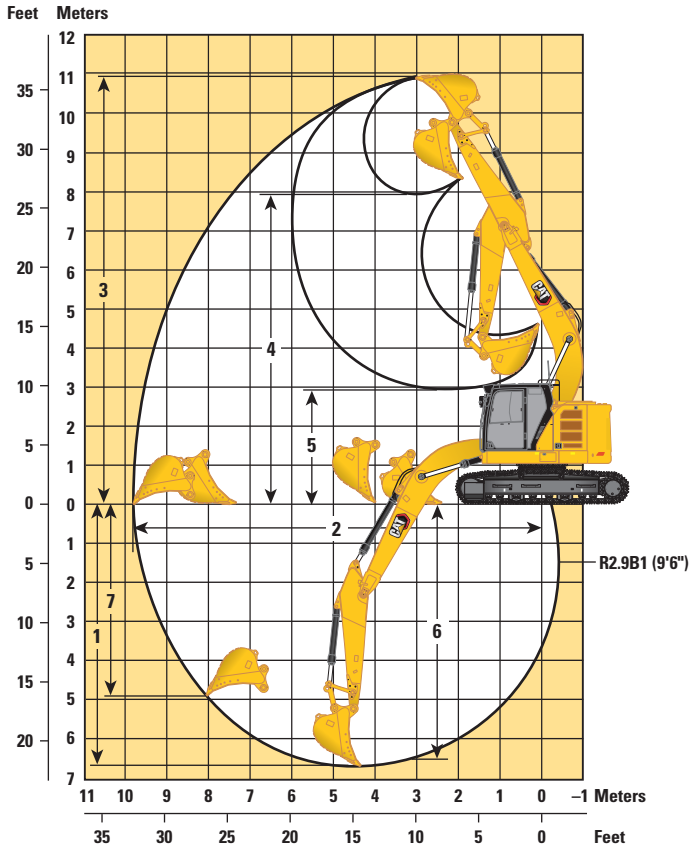
All dimensions are approximate.



Recommended Track Shoe Width	600 mm (24")		700 mm (28")	790 mm (31")
Blade Options	**2980 mm (9'8")**		**3170 mm (10'4")**	
1 Blade Moldboard Height	696 mm	2'3"	696 mm	2'3"
2 Blade Maximum Cutting Edge Rise	585 mm	1'11"	585 mm	1'11"
3 Blade Minimum Cutting Edge Depth	467 mm	1'6"	467 mm	1'6"
4 Blade Edge from Machine Center	2930 mm	9'7"	2930 mm	9'7"
5 Ramp Angle	28.8 degrees		28.8 degrees	
Blade Down Force				
Ground Level	151.4 kN	34 kLbf	151.4 kN	34 kLbf
Maximum	170.6 kN	38.4 kLbf	170.6 kN	38.4 kLbf

Working Ranges and Forces

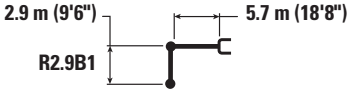
All dimensions are approximate and may vary depending on bucket selection.

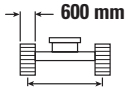


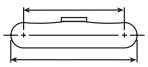
Boom Option	Reach Boom 5.7 m (18'8")	
Stick Option	**Reach Stick R2.9B1 (9'6")**	
1 Maximum Digging Depth	6700 mm	22'0"
2 Maximum Reach at Ground Line	9780 mm	32'1"
3 Maximum Cutting Height	10 970 mm	36'0"
4 Maximum Loading Height	7900 mm	25'11"
5 Minimum Loading Height	2980 mm	9'9"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	6520 mm	21'5"
7 Maximum Vertical Wall Digging Depth	4880 mm	16'0"
Minimum Working Equipment Radius	2430 mm	8'0"
Bucket Digging Force (ISO)	150 kN	33,811 lbf
Stick Digging Force (ISO)	106 kN	23,911 lbf
Bucket Digging Force (ISO) – Auto Dig Boost	163 kN	36,610 lbf
Stick Digging Force (ISO) – Auto Dig Boost	115 kN	25,870 lbf
Bucket Type	HD	
Bucket Capacity	1.19 m^3	1.56 yd^3
Bucket Tip Radius	1571 mm	5'2"

325 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 8.3 mt (18,300 lb) – without Bucket, Heavy Lift: On







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	*6400 **13,800**			*3950 ***8,700**	*3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	6250 **13,450**	*6300 ***12,700**	4500 **9,600**	*3900 ***8,550**	*3900 ***8,550**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	9050 **19,550**	*8000 ***17,350**	6000 **12,950**	6800 **14,650**	4350 **9,400**	*4000 ***8,800**	3750 **8,250**	8330 **330**
1500 mm **60 in**	kg **lb**					*12 050 ***26,050**	8600 **18,500**	*8900 ***19,300**	5800 **12,450**	6700 **14,400**	4250 **9,150**	*4250 ***9,350**	3650 **8,050**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	*12 850 ***27,800**	8350 **17,950**	9100 **19,600**	5650 **12,100**	6600 **14,200**	4200 **9,000**	*4750 ***10,450**	3750 **8,250**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	*12 600 ***27,350**	8300 **17,800**	9050 **19,450**	5550 **12,000**	6600 ***12,700**	4150 **9,000**	*5650 ***12,400**	4050 **8,950**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	*15 750 ***34,150**	*11 400 ***24,600**	8350 **17,950**	*8450 ***18,150**	5600 **12,100**			*7100 ***15,650**	4850 **10,700**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	*8600 ***18,100**					*6850 ***14,950**	*6850 ***14,950**	5320 **210**

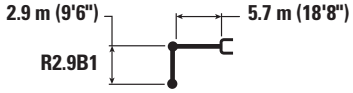
* **ISO 10567:2007**

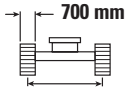
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

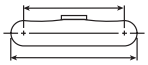
Lift capacity stays with ±5% for all available track shoes.

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

Reach Boom Lift Capacities – Counterweight: 8.3 mt (18,300 lb) – without Bucket, Heavy Lift: On







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	*6400 **13,950**			*3950 ***8,700**	*3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	6300 **13,600**	*6300 ***12,700**	4550 **9,700**	*3900 ***8,550**	*3900 ***8,550**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	9150 **19,750**	*8000 ***17,350**	6100 **13,100**	6900 **14,800**	4450 **9,500**	*4000 ***8,800**	3800 **8,350**	8330 **330**
1500 mm **60 in**	kg **lb**					*12 050 ***26,050**	8700 **18,750**	*8900 ***19,300**	5850 **12,600**	6750 **14,550**	4300 **9,300**	*4250 ***9,350**	3700 **8,100**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	*12 850 ***27,800**	8450 **18,150**	9200 **19,800**	5700 **12,250**	6700 **14,400**	4250 **9,100**	*4750 ***10,450**	3800 **8,350**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	*12 600 ***27,350**	8400 **18,000**	9150 **19,650**	5650 **12,100**	6650 ***12,700**	4200 **9,100**	*5650 ***12,400**	4100 **9,100**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	*15 750 ***34,150**	*11 400 ***24,600**	8450 **18,200**	*8450 ***18,150**	5700 **12,250**			*7100 ***15,650**	4900 **10,850**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	*8600 ***18,100**					*6850 ***14,950**	*6850 ***14,950**	5320 **210**

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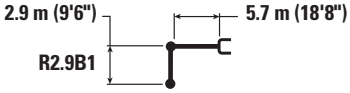
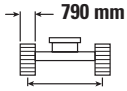
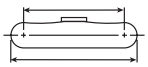






		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	*6400 ***14,050**			*3950 ***8,700**	*3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	6400 **13,750**	*6300 ***12,700**	4600 **9,850**	*3900 ***8,550**	*3900 ***8,550**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	9250 **19,950**	*8000 ***17,350**	6150 **13,250**	*6900 **15,000**	4500 **9,600**	*4000 ***8,800**	3850 **8,450**	8330 **330**
1500 mm **60 in**	kg **lb**					*12 050 ***26,050**	8800 **18,950**	*8900 ***19,300**	5900 **12,750**	6850 **14,750**	4350 **9,400**	*4250 ***9,350**	3750 **8,200**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	*12 850 ***27,800**	8550 **18,400**	9300 **20,050**	5750 **12,400**	6750 **14,550**	4300 **9,200**	*4750 ***10,450**	3850 **8,450**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	*12 600 ***27,350**	8450 **18,250**	9250 **19,900**	5700 **12,250**	6750 **12,700**	4250 **9,200**	*5650 ***12,400**	4150 **9,200**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	*15 750 ***34,150**	*11 400 ***24,600**	8550 **18,400**	*8450 ***18,150**	5750 **12,400**			*7100 ***15,650**	4950 **10,950**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	*8600 ***18,100**					*6850 ***14,950**	*6850 ***14,950**	5320 **210**

* **ISO 10567:2007**

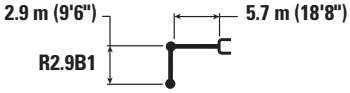
*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

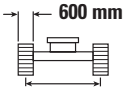
Lift capacity stays with ±5% for all available track shoes.

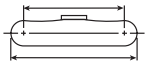
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

Reach Boom Lift Capacities – Counterweight: 4.9 mt (10,800 lb) – without Bucket, Heavy Lift: On

2980 mm (9'9") Blade Up in Front







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	5350 **11,450**			*3950 ***8,700**	3800 **8,500**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	8000 **17,250**	*7050 ***15,300**	5150 **11,100**	5450 **11,700**	3650 **7,800**	*3900 ***8,550**	3300 **7,250**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	7500 **16,100**	7550 **16,250**	4900 **10,600**	5350 **11,500**	3550 **7,600**	*4000 ***8,800**	3000 **6,650**	8330 **330**
1500 mm **60 in**	kg **lb**					11 550 **24,750**	7000 **15,100**	7300 **15,700**	4700 **10,100**	5250 **11,250**	3450 **7,400**	*4250 ***9,350**	2950 **6,450**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	11 250 **24,100**	6750 **14,500**	7100 **15,300**	4550 **9,750**	5150 **11,050**	3350 **7,200**	4550 **10,050**	3000 **6,600**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 **27,500**	11 150 **23,900**	6700 **14,350**	7050 **15,150**	4500 **9,650**	5150 **11,050**	3350 **7,200**	5000 **11,000**	3250 **7,200**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	13 050 **27,950**	11 250 **24,100**	6750 **14,550**	7100 **15,300**	4500 **9,750**			6000 **13,350**	3900 **8,600**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	7000 **15,050**					*6850 ***14,950**	5550 **12,550**	5320 **210**

* **ISO 10567:2007**

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

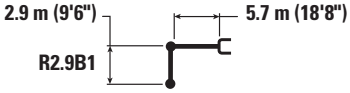
Lift capacity stays with ±5% for all available track shoes.

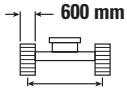
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

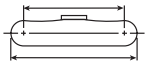
325 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.9 mt (10,800 lb) – without Bucket, Heavy Lift: On

2980 mm (9'9") Blade Down







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	5800 **12,450**			*3950 ***8,700**	*3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	5600 **12,100**	*6300 ***12,700**	4000 **8,500**	*3900 ***8,550**	3600 **7,900**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	8200 **17,700**	*8000 ***17,350**	5400 **11,550**	*6900 ***15,000**	3850 **8,300**	*4000 ***8,800**	3300 **7,250**	8330 **330**
1500 mm **60 in**	kg **lb**					*12 050 ***26,050**	7750 **16,650**	*8900 ***19,300**	5150 **11,050**	*7300 ***15,900**	3750 **8,100**	*4250 ***9,350**	3200 **7,050**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	*12 850 ***27,800**	7450 **16,050**	*9450 ***20,500**	5000 **10,700**	*7550 ***16,300**	3700 **7,900**	*4750 ***10,450**	3300 **7,200**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	*12 600 ***27,350**	7400 **15,900**	*9400 ***20,350**	4900 **10,600**	*7250 ***12,700**	3650 **7,900**	*5650 ***12,400**	3600 **7,900**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	14 750 **31,550**	*11 400 ***24,600**	7500 **16,100**	*8450 ***18,150**	4950 **10,700**			*7100 ***15,650**	4250 **9,450**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	7700 **16,650**					*6850 ***14,950**	6100 **13,800**	5320 **210**

* **ISO 10567:2007**

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

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

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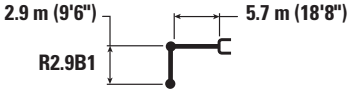
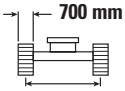
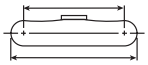
Reach Boom Lift Capacities – Counterweight: 4.9 mt (10,800 lb) – without Bucket, Heavy Lift: On

3170 mm (10'5") Blade Up in Front







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	5400 **11,600**			*3950 ***8,700**	3850 **8,600**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	8150 **17,500**	*7050 ***15,300**	5250 **11,250**	5550 **11,900**	3700 **7,950**	*3900 ***8,550**	3350 **7,350**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	7600 **16,350**	7650 **16,450**	5000 **10,750**	5450 **11,650**	3600 **7,750**	*4000 ***8,800**	3050 **6,750**	8330 **330**
1500 mm **60 in**	kg **lb**					11 700 **25,100**	7100 **15,300**	7400 **15,900**	4750 **10,250**	5300 **11,400**	3500 **7,500**	*4250 ***9,350**	3000 **6,550**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	11 400 **24,450**	6850 **14,750**	7200 **15,500**	4600 **9,900**	5200 **11,200**	3400 **7,350**	4650 **10,200**	3050 **6,700**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 **27,950**	11 300 **24,250**	6800 **14,600**	7150 **15,350**	4550 **9,800**	5200 **11,200**	3400 **7,300**	5050 **11,200**	3300 **7,300**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	13 250 **28,350**	*11 400 **24,450**	6850 **14,750**	7200 **15,500**	4600 **9,900**			6100 **13,500**	3950 **8,750**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	7100 **15,300**					*6850 ***14,950**	5650 **12,750**	5320 **210**

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

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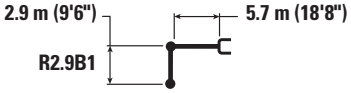
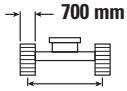
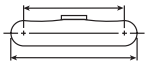
325 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.9 mt (10,800 lb) – without Bucket, Heavy Lift: On

3170 mm (10'5") Blade Down







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	6100 **13,050**			*3950 ***8,700**	*3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	5900 **12,700**	*6300 ***12,700**	4200 **8,950**	*3900 ***8,550**	3750 **8,300**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	8650 **18,700**	*8000 ***17,350**	5650 **12,200**	*6900 ***15,000**	4100 **8,750**	*4000 ***8,800**	3500 **7,650**	8330 **330**
1500 mm **60 in**	kg **lb**					*12 050 ***26,050**	8200 **17,600**	*8900 ***19,300**	5450 **11,700**	*7300 ***15,900**	3950 **8,500**	*4250 ***9,350**	3400 **7,450**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	*12 850 ***27,800**	7900 **17,050**	*9450 ***20,500**	5250 **11,350**	*7550 ***16,300**	3900 **8,350**	*4750 ***10,450**	3450 **7,600**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	*12 600 ***27,350**	7850 **16,850**	*9400 ***20,350**	5200 **11,200**	*7250 ***12,700**	3850 **8,350**	*5650 ***12,400**	3800 **8,300**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	*15 750 **33,700**	*11 400 ***24,600**	7900 **17,050**	*8450 ***18,150**	5250 **11,300**			*7100 ***15,650**	4500 **10,000**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	8150 **17,600**					*6850 ***14,950**	6450 **14,550**	5320 **210**

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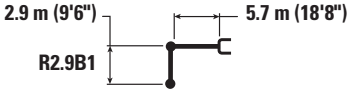
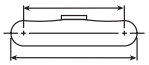
Reach Boom Lift Capacities – Counterweight: 4.9 mt (10,800 lb) – without Bucket, Heavy Lift: On

3170 mm (10'5") Blade Up in Front





		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	5450 **11,750**			*3950 ***8,700**	3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	5300 **11,400**	5600 **12,050**	3750 **8,050**	*3900 ***8,550**	3400 **7,450**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	7700 **16,550**	7750 **16,700**	5050 **10,900**	5500 **11,850**	3650 **7,850**	*4000 ***8,800**	3100 **6,850**	8330 **330**
1500 mm **60 in**	kg **lb**					11 850 **25,450**	7200 **15,550**	7500 **16,150**	4850 **10,400**	5400 **11,550**	3550 **7,600**	*4250 ***9,350**	3000 **6,650**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	11 550 **24,800**	6950 **14,950**	7350 **15,750**	4700 **10,050**	5300 **11,400**	3450 **7,450**	4700 **10,350**	3100 **6,800**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	11 500 **24,600**	6900 **14,800**	7250 **15,600**	4600 **9,950**	5300 **11,350**	3450 **7,450**	5150 **11,350**	3350 **7,400**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	13 450 **28,750**	*11 400 ***24,600**	6950 **15,000**	7300 **15,750**	4650 **10,050**			6200 **13,750**	4000 **8,900**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	7200 **15,500**					*6850 ***14,950**	5750 **12,950**	5320 **210**

* **ISO 10567:2007**

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

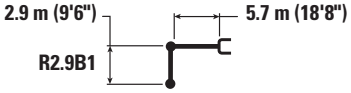
Lift capacity stays with ±5% for all available track shoes.

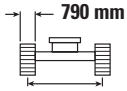
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

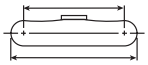
325 Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 4.9 mt (10,800 lb) – without Bucket, Heavy Lift: On

3170 mm (10'5") Blade Down







		1500 mm/60 in		3000 mm/120 in		4500 mm/180 in		6000 mm/240 in		7500 mm/300 in				
														mm **in**
9000 mm **360 in**	kg **lb**											*5000 ***11,350**	*5000 ***11,350**	4500 **170**
7500 mm **300 in**	kg **lb**					*6200 ***13,650**	*6200 ***13,650**	*5350 ***10,150**	*5350 ***10,150**			*4200 ***9,350**	*4200 ***9,350**	6280 **250**
6000 mm **240 in**	kg **lb**					*6650 ***14,500**	*6650 ***14,500**	*6400 ***14,050**	6150 **13,200**			*3950 ***8,700**	*3950 ***8,700**	7350 **290**
4500 mm **180 in**	kg **lb**			*10 650 ***22,700**	*10 650 ***22,700**	*8150 ***17,600**	*8150 ***17,600**	*7050 ***15,300**	6000 **12,850**	*6300 ***12,700**	4250 **9,100**	*3900 ***8,550**	3800 **8,450**	8000 **320**
3000 mm **120 in**	kg **lb**					*10 250 ***22,100**	8800 **18,900**	*8000 ***17,350**	5750 **12,350**	*6900 ***15,000**	4150 **8,900**	*4000 ***8,800**	3550 **7,750**	8330 **330**
1500 mm **60 in**	kg **lb**					*12 050 ***26,050**	8300 **17,850**	*8900 ***19,300**	5500 **11,850**	*7300 ***15,900**	4000 **8,650**	*4250 ***9,350**	3450 **7,550**	8390 **330**
0 mm **0 in**	kg **lb**			*7450 ***17,000**	*7450 ***17,000**	*12 850 ***27,800**	8050 **17,250**	*9450 ***20,500**	5350 **11,500**	*7550 ***16,300**	3950 **8,500**	*4750 ***10,450**	3500 **7,750**	8170 **330**
–1500 mm **–60 in**	kg **lb**	*7750 ***17,300**	*7750 ***17,300**	*12 400 ***28,100**	*12 400 ***28,100**	*12 600 ***27,350**	7950 **17,100**	*9400 ***20,350**	5300 **11,350**	*7250 ***12,700**	3950 **8,450**	*5650 ***12,400**	3850 **8,450**	7650 **300**
–3000 mm **–120 in**	kg **lb**	*12 900 ***28,950**	*12 900 ***28,950**	*15 750 ***34,150**	*15 750 ***34,150**	*11 400 ***24,600**	8050 **17,300**	*8450 ***18,150**	5350 **11,500**			*7100 ***15,650**	4550 **10,150**	6760 **270**
–4500 mm **–180 in**	kg **lb**			*11 800 ***25,100**	*11 800 ***25,100**	*8600 ***18,100**	8300 **17,850**					*6850 ***14,950**	6550 **14,750**	5320 **210**

* **ISO 10567:2007**

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

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

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

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	Long Undercarriage		
									4.9 mt (10,800 lb) Counterweight		8.3 mt (18,300 lb) Counterweight
									No Blade	With Blade-up in front	No Blade
									Reach	Reach	Reach
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")	R2.9 (9'6")	R2.9 (9'6")
Pin-On (No Coupler)											
General Duty	B	600	24	0.46	0.60	550	1,212	100	●	●	●
	B	750	30	0.64	0.84	621	1,368	100	●	●	●
	B	1000	39	0.93	1.22	717	1,580	100	●	●	●
	B	1050	42	1.00	1.31	737	1,624	100	◉	●	●
	B	1050	42	1.00	1.31	737	1,624	100	◉	●	●
	B	1200	48	1.19	1.56	807	1,778	100	⊖	◉	●
	B	1400	55	1.43	1.87	874	1,926	100	X	X	X
	B	1500	60	1.58	2.06	914	2,014	100	X	X	X
Heavy Duty	B	600	24	0.46	0.61	635	1,400	100	●	●	●
	B	750	30	0.64	0.84	737	1,625	100	●	●	●
	B	900	36	0.81	1.06	818	1,804	100	●	●	●
	B	1050	42	1.00	1.31	872	1,923	100	◉	●	●
	B	1200	48	1.19	1.56	929	2,048	100	⊖	⊖	●
	B	1350	54	1.38	1.81	1036	2,284	100	X	X	X
	B	1500	60	1.58	2.06	1094	2,412	100	X	X	X
Clean-Up	B	1800	72	1.60	2.09	979	2,157	100	◇	○	◉
	B	2000	78	1.76	2.31	1045	2,303	100	◇	◇	⊖
	B	2000	78	1.76	2.31	1045	2,303	100	◇	◇	⊖
Ditch Cleaning Tilt	B	1800	72	1.40	1.83	1105	2,437	100	◇	○	◉
Maximum load with pin-on (payload + bucket)								kg	2655	2900	3780
								lb	5,853	6,393	8,333

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, 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.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- 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.

(continued on next page)

Bucket Specifications and Compatibility *(continued)*

		Width		Capacity		Weight		Fill	Long Undercarriage		
									4.9 mt (10,800 lb) Counterweight		8.3 mt (18,300 lb) Counterweight
									No Blade	With Blade-up in front	No Blade
									Reach	Reach	Reach
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R2.9 (9'6")	R2.9 (9'6")	R2.9 (9'6")
With Pin Grabber Coupler											
General Duty	B	600	24	0.46	0.60	550	1,212	100	●	●	●
	B	750	30	0.64	0.84	621	1,368	100	●	●	●
	B	1000	39	0.93	1.22	717	1,580	100	⊖	◉	●
	B	1050	42	1.00	1.31	737	1,624	100	⊖	◉	●
	B	1050	42	1.00	1.31	737	1,624	100	⊖	◉	●
	B	1200	48	1.19	1.56	807	1,778	100	○	○	●
	B	1400	55	1.43	1.87	874	1,926	100	◇	◇	◉
	B	1500	60	1.58	2.06	914	2,014	100	X	◇	⊖
Heavy Duty	B	600	24	0.46	0.61	635	1,400	100	●	●	●
	B	750	30	0.64	0.84	737	1,625	100	●	●	●
	B	900	36	0.81	1.06	818	1,804	100	◉	●	●
	B	1050	42	1.00	1.31	872	1,923	100	○	⊖	●
	B	1200	48	1.19	1.56	929	2,048	100	◇	○	●
	B	1350	54	1.38	1.81	1036	2,284	100	◇	◇	⊖
	B	1500	60	1.58	2.06	1094	2,412	100	X	◇	⊖
Clean-Up	B	1800	72	1.60	2.09	979	2,157	100	X	◇	⊖
	B	2000	78	1.76	2.31	1045	2,303	100	X	X	○
	B	2000	78	1.76	2.31	1045	2,303	100	X	X	○
Ditch Cleaning Tilt	B	1800	72	1.40	1.83	1105	2,437	100	X	◇	⊖
Maximum load with coupler (payload + bucket)								kg	2233	2478	3358
								lb	4,924	5,463	7,404

The above loads are in compliance with hydraulic excavator standard EN474-5:2006 + A3:2013, 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.

Bucket weight with General Duty tips.

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)
- ◇ 900 kg/m^3 (1,500 lb/yd^3)
- 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.

Attachments Offering Guide

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

✓ Match | * Working range front only | † Allowed usage on machine less than 50% | No Match

PIN-ON ATTACHMENTS

Counterweight		4.9 mt (10,800 lb)	8.3 mt (18,300 lb)
Blade		**No Blade**	**With Blade Up in Front**
Boom Type		**Reach**	**Reach**
Stick Length		**R2.9 (9'6")**	**R2.9 (9'6")**
Hydraulic Hammers	H120 GC	✓	✓
	H120 GC S	✓	✓
	H120 S	✓	✓
	H130 S	✓†	✓†
Demolition and Sorting Grapples	G318	✓	✓
	G324		✓
Mobile Scrap and Demolition Shears	S3025 Flat Top	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Rotary Cutters	RC20	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS

Counterweight		4.9 mt (10,800 lb)	8.3 mt (18,300 lb)
Blade		**No Blade**	**With Blade Up in Front**
Boom Type		**Reach**	**Reach**
Stick Length		**R2.9 (9'6")**	**R2.9 (9'6")**
Hydraulic Hammers	H120 GC	✓†	✓†
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
	H130 GC		✓†
	H130 GC S	✓†*	✓†
	H130 S	✓†	✓†
Demolition and Sorting Grapples	G318	✓	✓
Compactors (Vibratory Plate)	CVP110	✓	✓
Mulchers	HM4015	✓	✓
	HM4815	✓	✓
Rotary Cutters	RC20	✓	✓

(continued on next page)

Attachments Offering Guide *(continued)*

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

✓ Match

† Allowed usage on machine less than 50%

TRS18 (PIN-ON TOP/S70 BOTTOM) ATTACHMENTS

Some attachments require more hydraulic flow and are best suited with a machine that has HP2 circuits and a tiltrotator with a high flow swivel. Check the hydraulic capability of your machine and tiltrotator and the requirements of your attachment to ensure a proper match.

Counterweight		**4.9 mt (10,800 lb)**	**8.3 mt (18,300 lb)**
Blade		**No Blade**	**With Blade Up in Front**
Boom Type		**Reach**	**Reach**
Stick Length		**R2.9 (9'6")**	**R2.9 (9'6")**
Hydraulic Hammers	H115 S	✓	✓
	H120 GC S	✓†	✓†
	H120 S	✓†	✓†
Compactors (Vibratory Plate)	CVP75	✓	✓
	CVP110	✓	✓

NOTE: Use hammers on tiltrotators less than 10% of working hours per year or maximum 200 hours per year. Refer to your Operation and Maintenance Manual for recommended hydraulic flow requirements.

BOOM-MOUNT ATTACHMENTS

Counterweight		**4.9 mt (10,800 lb)**	**8.3 mt (18,300 lb)**
Blade		**No Blade**	**With Blade Up in Front**
Boom Type		**Reach**	**Reach**
Mobile Scrap and Demolition Shears	S3035 Flat Top	✓	✓

Standard and Optional Equipment

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

	Standard	Optional
CAB		
ROPS	✓	
High-resolution 254 mm (10") LCD touchscreen monitor	✓	
Auto bi-level air conditioner	✓	
Jog dial and shortcut keys for monitor control	✓	
Keyless push-to-start engine control	✓	
Height-adjustable console	✓	
Tilt-up left-side console	✓	
Heated air-suspension seat	✓	
51 mm (2") seat belt	✓	
Monitor integrated Bluetooth® radio with USB/Auxilary ports	✓	
12V DC outlets	✓	
Document storage	✓	
Overhead storage and rear storage with nets	✓	
Beverage holder	✓	
Cup holder	✓	
Openable two-piece front window	✓	
Rear window emergency exit	✓	
Radial wiper with washer	✓	
Openable polycarbonate skylight hatch	✓	
Dome and lower LED interior lights	✓	
Floor welcome light	✓	
Roof sunscreen	✓	
Roller front sunscreen	✓	
Roller rear sunscreen		✓
Washable floor mat	✓	
Beacon ready	✓	
Cat Stick Steer		✓
Auxiliary relay		✓

	Standard	Optional
CAT TECHNOLOGY		
VisionLink®	✓*	
VisionLink Productivity		✓
Remote Flash	✓	
Remote Troubleshoot	✓	
Cat Grade Connectivity		✓
Compatibility with radios and base stations from Trimble, Topcon and Leica	✓	
Capability to install 3D grade systems from Trimble, Topcon, and Leica	✓	
Cat Grade 2D	✓	
Cat Grade 2D with Attachment Ready Option (ARO)		✓
Cat Grade 3D single GNSS		✓
Cat Grade 3D dual GNSS		✓
Laser catcher		✓
Cat Assist: – Grade Assist – Boom Assist – Bucket Assist – Swing Assist – Lift Assist	✓	
Cat Payload: – Static weigh – Semiautomatic calibration – Payload/cycle information – USB reporting capability	✓	
Work tool recognition (PL161)	✓	
Work tool tracking (PL161)	✓	
Cat Tilt Rotator (TRS) Integration		✓
Operator Coaching		✓

*Connect subscription only. Additional subscriptions are available. Contact your Cat dealer for availability.

Standard and Optional Equipment *(continued)*

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

	Standard	Optional
ENGINE		
Cat® C4.4 single turbo diesel engine	✓	
Three selectable modes: Power, Smart, Eco	✓	
4500 m (14,760 ft) altitude capability with engine power derate above 3000 m (9,840 ft)	✓	
50° C (122° F) high-ambient cooling capacity without derate	✓	
–18° C (0° F) cold start capability	✓	
–32° C (–25° F) cold start capability		✓
Sealed double element air filter with integrated pre-cleaner	✓	
1 × 145 amp dual alternator	✓	
Electric fuel priming pump	✓	
Reversible electric cooling fans	✓	
Two-stage fuel filtration system with water separator and indicator	✓	
HYDRAULIC SYSTEM		
Electric main control valve	✓	
Auto Dig Boost	✓	
Auto heavy lift	✓	
Boom and stick regeneration circuits	✓	
Automatic hydraulic oil warm up	✓	
Automatic two-speed travel	✓	
Boom and stick drift reduction valve	✓	
Standard swivel joint	✓	
Tandem type electronic main pump	✓	
Hydraulic efficiency monitoring		✓
Element type main hydraulic filter	✓	
UNDERCARRIAGE AND STRUCTURES		
Base frame with standard track rollers and standard carrier rollers		✓
Base frame with standard track rollers and standard carrier rollers for use with blade		✓
Tie-down points on base frame	✓	
Grease lubricated track	✓	
Segmented track guiding guards	✓	
HD bottom guards	✓	
HD travel motor guards	✓	
4.9 mt (10,800 lb) counterweight		✓
8.3 mt (18,300 lb) counterweight**		✓
600 mm (24") triple grouser track shoes		✓
700 mm (28") triple grouser track shoes		✓
790 mm (31") triple grouser track shoes		✓
2980 mm (9'9") blade		✓
3170 mm (10'5") blade		✓

	Standard	Optional
BOOMS, STICKS AND LINKAGES		
5.7 m (18'8") Reach boom	✓	
2.9 m (9'6") Reach stick	✓	
Bucket linkage, B1 family with lifting eye, Cat Grade	✓	
ELECTRICAL SYSTEM		
LED chassis light, left-hand/right-hand boom lights, cab lights – 1,800 lumens	✓	
Centralized electrical disconnect switch	✓	
Programmable time delay working lights after engine shutdown	✓	
Premium surround lighting package		✓
SERVICE AND MAINTENANCE		
Scheduled Oil Sampling (S·O·S℠) ports	✓	
Grouped location for engine oil and fuel filters	✓	
Ground-level second dipstick for engine oil	✓	
Integrated vehicle health management system	✓	
SAFETY AND SECURITY		
Cat Command (remote control)		✓
2D E-Fence: – E-ceiling – E-floor – E-swing – E-wall – E-cab avoidance	✓	
Auto hammer stop	✓	
Rear and right-hand-sideview cameras	✓	
360° visibility		✓
Right-hand handrail and hand hold	✓	
Service platform with anti-skid plate and countersunk bolts	✓	
Hydraulic lock out lever neutralizes all controls	✓	
Secondary engine shutoff switch in cab	✓	
Signaling/warning horn	✓	
Lockable disconnect switch	✓	
Swing alarm		✓
Operator Protective Guards		✓
Inspection lighting		✓

**Not compatible with blade.

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Rain protector plus cab light cover
- Laminated P5A glass front windshield
- Left Hand (LH)/Right Hand (RH) electrical pedal for tool control
- Armrest kit
- Seat with 4-point seatbelt capability
- Dual exit rear window kit
- 75 mm (3") retractable seat belt
- Auxiliary relay

GUARDS

- Operator Protective Guards
- Mesh guard full front
- Mesh guard half front
- Full protecting vandalism guard

MAINTENANCE

- Dust hose kit

SAFETY AND SECURITY

- Cat Detect – People Detection
- Cat Command – Remote control kit
- Seat belt indicator
- Bluetooth key fob

OTHER ATTACHMENTS

- Delayed engine shutdown kit
- Power clam kit

325 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 C4.4 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or 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.

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

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

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.8 kg (1.8 lb) of refrigerant which has a CO_2 equivalent of 1.144 metric tonnes (1.261 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) – 97 dB(A)

ISO 6396:2008 (inside cab) – 70 dB(A)

- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in a noisy environment.

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Advanced hydraulic systems balance power and efficiency
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode minimizes fuel consumption for light applications
  - Increase operating efficiency up to 45% with standard Cat technologies
  - Cut maintenance costs with extended service intervals
  - The latest hydraulic oil filter provides longer life with a 3,000-hour replacement interval

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	82.67%
Iron	5.61%
Nonferrous Metal	2.68%
Mixed Metal	1.28%
Mixed-Metal and Nonmetal	1.07%
Plastic	1.35%
Rubber	0.08%
Mixed Nonmetallic	0.23%
Fluid	3.33%
Other	1.70%
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**

AEXQ2731-04 (10-2023)
Replaces AEXQ2731-03
Build Number: 07E
(Aus-NZ)

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.