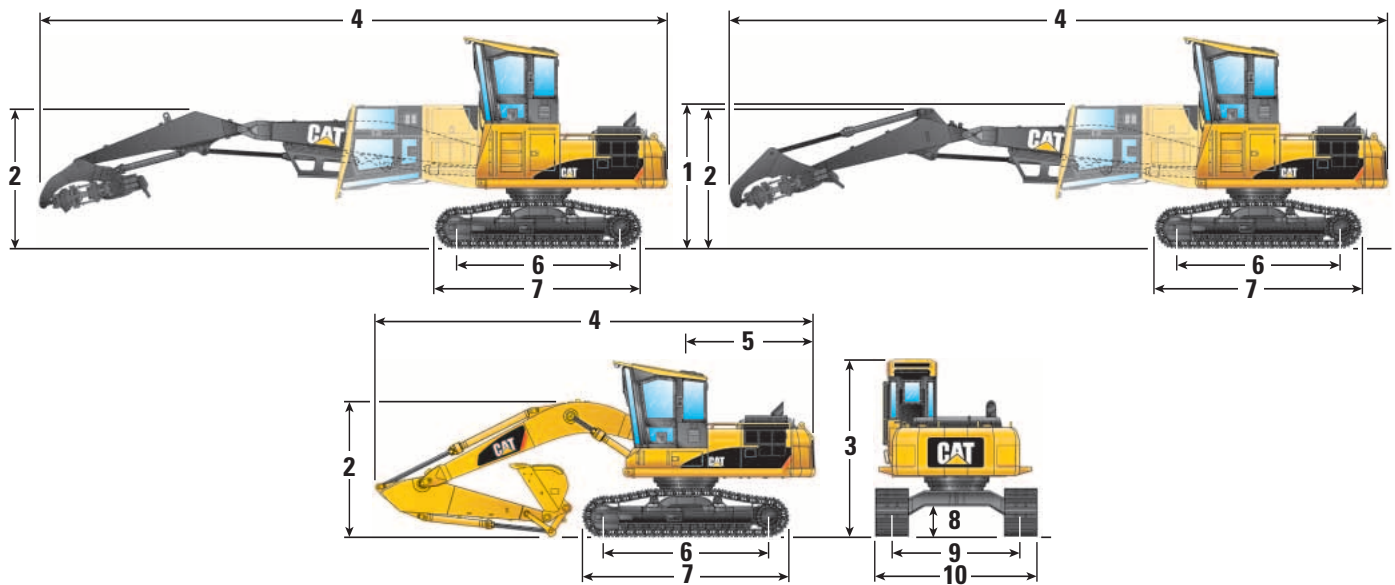


330D FM Forest Machine

Dimensions

All dimensions are approximate.



330D FM General Forestry

HD GF

1	Shipping height. (All risers with cab tilted)	3470 mm (11'5")
2	Boom height	3780 mm (12'5")
3	Overall height	4180 mm (13'9")
4	Shipping length	11 150 mm (36'7")
5	Tail swing radius	3490 mm (11'5")
6	Length to centers of rollers	4020 mm (13'2")
7	Track length	5060 mm (16'7")
8	Ground clearance	760 mm (2'6")
9	Track gauge	2920 mm (9'7")
10	Transport width with 700 mm (27.5") shoes (DG)	3650 mm (11'11")

330D FM Log Loaders

Under/Under

Over/Under

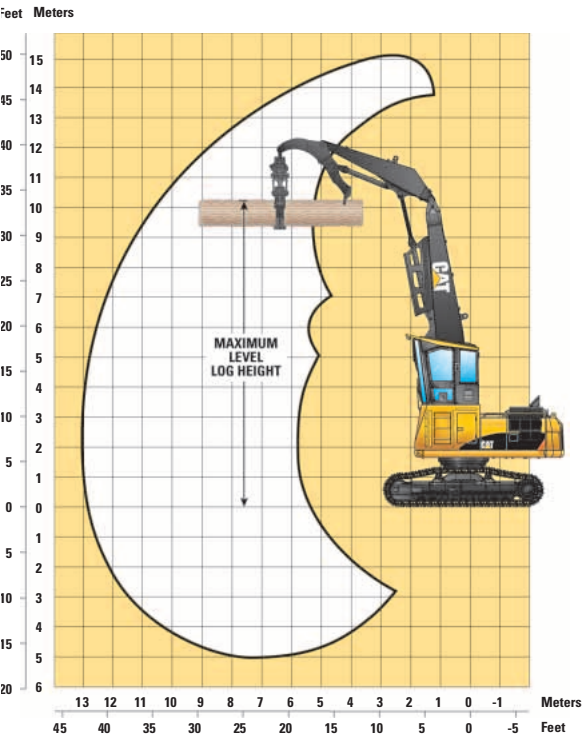
1	Shipping height. (All risers with cab tilted)	3470 mm (11'5")	3470 mm (11'5")
2	Boom height	3080 mm (10'1")	3030 mm (10'1")
3	Overall height	4950 mm (16'3")	4950 mm (16'3")
4	Shipping length	16 630 mm (54'7")	17 320 mm (56'10")
5	Tail swing radius	3490 mm (11'5")	3490 mm (11'5")
6	Length to centers of rollers	4020 mm (13'2")	4020 mm (13'2")
7	Track length	5060 mm (16'7")	5060 mm (16'7")
8	Ground clearance	760 mm (2'6")	760 mm (2'6")
9	Track gauge	2920 mm (9'7")	2920 mm (9'7")
10	Transport width with 700 mm (27.5") shoes (DG)	3650 mm (11'11")	3650 mm (11'11")

330D FM Forest Machine

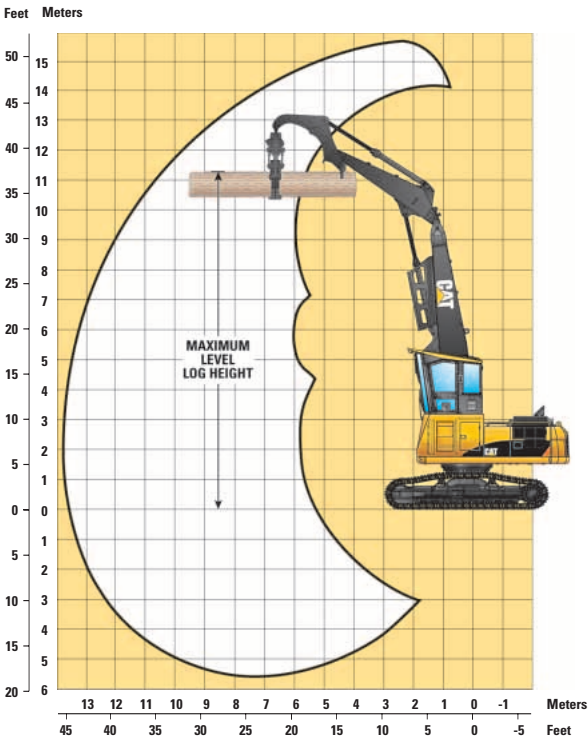
330D FM Working Ranges

Heel Boom (Under/Under, Over/Under), and Reach ranges

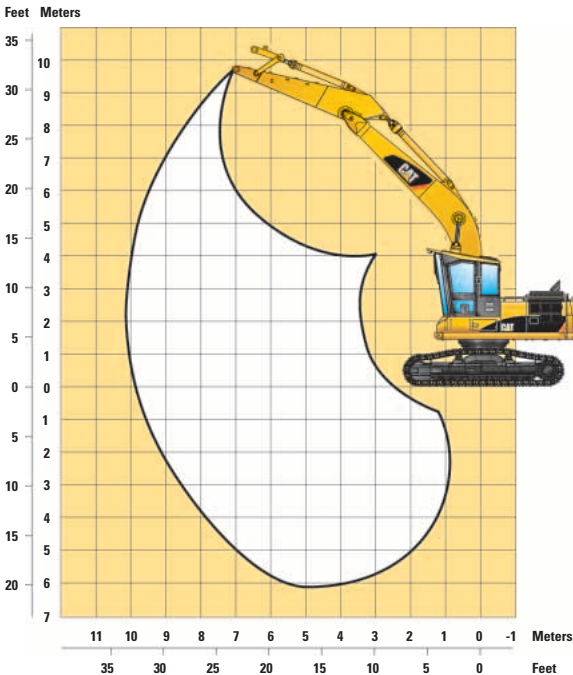
Heel Boom
(Under/Under)



Heel Boom
(Over/Under)



General Forestry
HD LC U/C, 6.5 m (21'2") Reach Boom
with 3.9 m (12'9") Reach Stick



330D FM Forest Machine

330D FM LL Heel Boom Under/Under Lift Capacities

CONFIGURATION – 13.1 m (43') Boom/Stick/Heel Linkage,
Heavy Counterweight

SHOES – 700 mm (28") Double Grouser

Load Point Height		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		Load at Maximum Reach		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft
10.5 m	kg							*11 700	11 400	*10 450	8350					*6750	6500	10.23
35.0 ft	lb							*25,600	24,450	*22,200	17,850					15,100	14,650	33.11
9.0 m	kg							*11 700	11 500	*10 650	8500	8550	6450			*6200	5550	11.28
30.0 ft	lb							*25,550	24,650	*23,300	18,150	18,250	13,750			*13,700	12,350	36.71
7.5 m	kg							*11 900	11 400	*10 750	8450	8600	6500	*6300	5000	*5850	4950	12.05
25.0 ft	lb							*26,000	24,450	*23,400	18,100	18,400	13,900			12,900	11,000	39.35
6.0 m	kg					*10 450	*10 450	*12 450	11 150	10 950	8300	8500	6450	6800	5050	*5650	4600	12.59
20.0 ft	lb					*23,300	*23,300	*27,150	23,950	23,550	17,850	18,300	13,800	14,500	10,800	*12,450	10,150	41.22
4.5 m	kg					*11 650	*11 650	*13 250	10 800	10 750	8100	8400	6300	6750	5050	*5550	4350	12.94
15.0 ft	lb					*25,900	*25,900	*28,700	23,200	23,050	17,400	18,000	13,550	14,450	10,750	*12,200	9,650	42.41
3.0 m	kg					*17 250	14 500	13 850	10 350	10 450	7850	8250	6150	6650	4950	*5550	4250	13.10
10.0 ft	lb					*37,350	31,250	29,850	22,250	22,500	16,850	17,700	13,250	14,300	10,650	*12,200	9,400	42.98
1.5 m	kg					*18 250	13 700	13 400	9900	10 200	7550	8050	6000	6600	4900	*5650	4250	13.10
5.0 ft	lb					*39,500	29,500	28,800	21,300	21,900	16,300	17,350	12,900	14,150	10,450	*12,400	9,350	42.97
Ground Line	kg					18 250	13 050	13 000	9500	9950	7350	7950	5850	6550	4800	*4900	4350	12.91
	lb					39,150	28,150	27,950	20,500	21,350	15,800	17,050	12,600	14,050	10,350	*10,750	9,550	42.36
-1.5 m	kg			*6700	*6700	*17 000	12 700	12 700	9250	9750	7200	7850	5800	*5800	4800	*3950	*3950	12.53
-5.0 ft	lb			*15,700	*15,700	*36,850	27,300	27,350	19,950	21,000	15,450	16,850	12,450	*11,650	10,350	*8,750	*8,750	41.07
-3.0 m	kg	*4150	*4150	*8750	*8750	*14 600	12 500	*11 600	9150	*9100	7100	*6700	5750			*4400	*4400	11.57
-10.0 ft	lb	*9,500	*9,500	*20,250	*20,250	*31,450	26,950	*24,900	19,650	*19,400	15,300	*13,900	12,400			*9,700	*9,700	37.83
-4.5 m	kg					*10 900	*8700	*8700	*6500	*6500						*5550	*5550	9.56
-15.0 ft	lb					*23,250	*23,250	*18,400	*18,400	*13,400	*13,400					*12,500	*12,500	30.83

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

330D FM LL Heel Boom Over/Under Lift Capacities

CONFIGURATION – 13.7 m (45') Boom/Stick/Heel Linkage,
Heavy Counterweight

SHOES – 700 mm (28") Double Grouser

Load Point Height		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		Load at Maximum Reach		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft
10.5 m	kg							*23,450	*23,450	*10 050	8550	*7950	6400			*5900	5750	10.99
35.0 ft	lb									*21,650	18,250	*15,550	13,450			*13,150	12,850	35.62
9.0 m	kg							*9,650	*9,650	*4350	*4350	*3900	*3900			*5450	4950	11.97
30.0 ft	lb									*9,500	*9,500	*8,250	*8,250			*12,050	11,000	38.99
7.5 m	kg							*23,050	*23,050	*10 100	8600	8650	6500			*5150	4450	12.70
25.0 ft	lb									*22,050	18,400	18,450	13,900			*11,350	9,850	41.49
6.0 m	kg							*10 250	*10 250	*10 200	8500	8600	6500	6800	5050	*5000	4100	13.21
20.0 ft	lb							*22,800	*22,800	*22,200	18,300	18,450	13,900	14,450	10,750	*10,950	9,100	43.26
4.5 m	kg							*10 500	*10 500	*10 500	8350	8500	6400	6750	5050	*4900	3900	13.54
15.0 ft	lb							*23,300	*23,300	*22,800	17,900	18,250	13,750	14,450	10,750	*10,750	8,650	44.40
3.0 m	kg					*8850	*8850	*11 600	10 850	10 750	8100	8350	6250	6700	4950	*4900	3800	13.70
10.0 ft	lb					*19,850	*19,850	*25,650	23,350	23,100	17,350	17,900	13,400	14,300	10,600	*10,750	8,400	44.95
1.5 m	kg					*12 050	*12 050	*13 350	10 350	10 400	7750	8150	6050	6550	4850	*4950	3800	13.69
5.0 ft	lb					*26,650	*26,650	*28,900	22,250	22,350	16,700	17,500	13,000	14,100	10,350	*10,850	8,350	44.93
Ground Line	kg					*17 550	13 650	13 300	9800	10 050	7450	7950	5850	6450	4750	*4450	3900	13.52
	lb					*37,950	29,400	28,600	21,050	21,600	16,000	17,050	12,550	13,850	10,150	*9,800	8,500	44.35
-1.5 m	kg			*7000	*7000	*17 100	12 300	12 400	8950	9500	6900	7600	5550	5550	6300	*3550	*3550	13.17
-5.0 ft	lb			*16,450	*16,450	*37,050	26,450	26,700	19,250	20,450	14,850	16,350	11,900	11,900	13,500	*7,800	*7,800	43.18
-3.0 m	kg	*3800	*3800	*8450	*8450	*15 150	12 050	*11 950	8750	9350	6800	*7300	5500	*4700	4600	*3750	*3750	12.34
-10.0 ft	lb	*8,650	*8,650	*19,600	*19,600	*32,700	25,900	25,750	18,850	21,150	14,600	*15,350	11,800	*9,050	*9,050	*8,300	*8,300	10.38
-4.5 m	kg			*10 750	*10 750	*12 000	*12 000	*9550	8700	*7350	6750	*5000	*5000			*4500	*4500	10.78
-15.0 ft	lb			*24,750	*24,750	*25,650	*25,650	*20,300	18,750	*15,400	14,600	*10,000	*10,000			*9,950	*9,950	35.01

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity. Weight of all lifting accessories must be deducted from the above lifting capacities.

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

330D FM Forest Machine

330D FM LL Butt-N-Top Lift Capacities

CONFIGURATION – 12.2 m (40') Boom/Stick Linkage

SHOES – 700 mm (28") Double Grouser

Load Point Height		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		10.5 m/35.0 ft		12.0 m/40.0 ft		Load at Maximum Reach		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft
10.5 m	kg			*14 650	*14 650	*13 100	11 750	*9050	8500					*8950	8500	9.01
35.0 ft	lb			*32,250	*32,250	*28,800	25,100							*20,000	19,200	29.04
9.0 m	kg					*12 900	11 850	11 500	8800					*8050	7050	10.19
30.0 ft	lb			*31,650	*31,650	*28,150	25,400	24,700	18,850					*17,900	15,700	33.10
7.5 m	kg			*14 100	*14 100	*13 100	11 750	11 500	8800	8950	6850			*7550	6200	11.03
25.0 ft	lb			*31,200	*31,200	*28,450	25,250	24,750	18,900	19,150	14,600			*16,650	13,750	36.01
6.0 m	kg			*14 650	*14 650	*13 550	11 500	11 400	8700	8950	6800			*7250	5700	11.63
20.0 ft	lb			*32,400	*32,400	*29,400	24,750	24,500	18,700	19,200	14,600			*15,950	12,600	38.04
4.5 m	kg			*17 150	15 600	*14 150	11 150	11 200	8500	8850	6700	*7150	5400	*7100	5400	12.00
15.0 ft	lb			*37,150	33,600	*30,650	24,000	24,050	18,250	19,000	14,450			*15,650	11,900	39.33
3.0 m	kg			*18 300	14 850	14 350	10 750	10 950	8250	8700	6600	7150	5400	7000	5250	12.18
10.0 ft	lb			*39,550	31,950	30,850	23,150	23,550	17,800	18,750	14,150			15,350	11,600	39.95
1.5 m	kg			*18 650	14 150	13 900	10 350	10 700	8050	8600	6450	7100	5350	*6450	5250	12.17
5.0 ft	lb			*40,450	30,450	29,950	22,300	23,050	17,300	18,450	13,900			*14,250	11,550	39.93
Ground Line	kg			*17 950	13 650	13 600	10 050	10 500	7850	8500	6400			*5450	5400	11.97
	lb			*38,850	29,400	29,300	22,050	22,650	16,900	18,250	13,750			*12,000	11,800	39.28
-1.5 m	kg	*7200	*7200	*15 900	13 400	*12 700	9900	10 050	7750	*7500	6350			*4750	*4750	11.49
-5.0 ft	lb	*16,800	*16,800	*34,500	28,900	*27,400	21,300	*21,550	16,700	*15,700	13,650			*10,500	*10,500	37.66
-3.0 m	kg	*10 200	*10 200	*12 700	*12 700	*10 250	9850	*7850	7750					*5450	*5450	10.23
-10.0 ft	lb	*23,550	*23,550	*27,350	*27,350	*21,950	21,200	*16,500	*16,500					*12,050	*12,050	33.38

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567.

They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

Weight of all lifting accessories must be deducted from the above lifting capacities.

330D FM GF Reach Boom Lift Capacities

CONFIGURATION – 6.5 m (21'4") Boom, 3.95 m (13'0") Stick, Heavy Counterweight

SHOES – 700 mm (28") Double Grouser

Load Point Height		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		Load at Maximum Reach		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft
9.0 m	kg									*6500	*6500			*5950	*5950	7.62
30.0 ft	lb													*13,200	*13,200	24.55
7.5 m	kg									*7450	*7450			*5600	*5600	8.72
25.0 ft	lb									*16,400	*16,400			*12,400	*12,400	28.37
6.0 m	kg									*7850	*7850	*7650	*7650	*5500	*5500	9.46
20.0 ft	lb									*17,100	*17,100	*15,450	*15,450	*12,100	*12,100	30.91
4.5 m	kg							*9650	*9650	*8600	*8600	*8000	*8000	*5550	*5550	9.92
15.0 ft	lb							*20,900	*20,900	*18,650	*18,650	*17,450	*17,450	*12,150	*12,150	32.49
3.0 m	kg					*15 050	*15 050	*11 350	*11 350	*9500	*9500	*8450	8150	*5700	*5700	10.14
10.0 ft	lb					*32,350	*32,350	*24,550	*24,550	*20,650	*20,650	*10,400	17,500	*12,550	*12,550	33.24
1.5 m	kg					*17 750	*17 750	*12 900	*12 900	*10 400	10 200	*8950	7950	*6050	*6050	10.12
5.0 ft	lb					*38,300	*38,300	*27,850	*27,850	*22,550	21,950	*19,400	17,150	*13,300	*13,300	33.22
Ground Line	kg			*8700	*8700	*19 000	*19 000	*13 900	13 400	*11 050	9950	*9250	7850	*6600	*6600	9.88
	lb			*19,650	*19,650	*41,200	*41,200	*30,050	28,900	*23,900	21,450	*20,050	16,900	*14,550	*14,550	32.43
-1.5 m	kg	*9200	*9200	*13 300	*13 300	*19 050	*19 050	*14 200	13 200	*11 250	9800	*9200	7750	*7500	7350	9.40
-5.0 ft	lb	*20,500	*20,500	*29,900	*29,900	*41,350	*41,350	*30,750	28,500	*24,350	21,150	*19,850	16,750	*16,550	16,250	30.80
-3.0 m	kg	*14 050	*14 050	*19 150	*19 150	*18 100	*18 100	*13 700	13 200	*10 800	9800			*8950	8250	8.62
-10.0 ft	lb	*31,400	*31,400	*43,250	*43,250	*39,200	*39,200	*29,650	28,450	*23,300	21,150			*19,650	18,250	28.19
-4.5 m	kg			*21 800	*21 800	*15 900	*15 900	*12 150	*12 150					*9050	*9050	7.47
-15.0 ft	lb			*47,000	*47,000	*34,300	*34,300	*26,050	*26,050					*19,950	*19,950	24.29
-6.0 m	kg					*11 600	*11 600							*8700	*8700	5.71
-20.0 ft	lb					*24,300	*24,300							*20,400	*20,400	17.46

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567.

They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.

Weight of all lifting accessories must be deducted from the above lifting capacities.

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

330D FM Forest Machine

330D FM GF Mass Boom Lift Capacities

CONFIGURATION – 6.18 m (20'3") Boom, 3.5 m (11'6") Stick,
Standard Counterweight

SHOES – 700 mm (28") Double Grouser

Load Point Height		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		9.0 m/30.0 ft		Load at Maximum Reach		
		Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	m ft
9.0 m	kg													*6300	*6300	6.67
30.0 ft	lb													*14,050	*14,050	21.41
7.5 m	kg									*8100	*8100			*5850	*5850	7.91
25.0 ft	lb									*15,900	*15,900			*12,900	*12,900	25.70
6.0 m	kg									*8650	*8650			*5650	*5650	8.73
20.0 ft	lb									*18,950	*18,950			*12,450	*12,450	28.49
4.5 m	kg							*10 450	*10 450	*9300	*9300	*7500	7200	*5700	*5700	9.22
15.0 ft	lb							*22,600	*22,600	*20,250	*20,250	*13,750	*13,750	*12,500	*12,500	30.19
3.0 m	kg					*15 950	*15 950	*12 050	*12 050	*10 150	9200	*9050	7100	*5900	*5900	9.45
10.0 ft	lb					*34,300	*34,300	*26,100	*26,100	*22,000	19,800	*18,900	15,250	*12,900	*12,900	31.00
1.5 m	kg					*18 500	*18 500	*13 500	12 100	*10 900	8950	9350	6950	*6250	*6250	9.44
5.0 ft	lb					*39,950	*39,950	*29,200	26,150	23,700	19,250	20,100	15,000	*13,750	*13,750	30.98
Ground Line	kg			*10 650	*10 650	*19 500	17 850	*14 350	11 800	*11 400	8750	9250	6850	*6900	6700	9.18
	lb			*24,100	*24,100	*42,300	38,400	*31,050	25,400	*24,750	18,800	*16,350	14,800	*15,200	14,750	30.12
-1.5 m	kg	*11 300	*11 300	*16 400	*16 400	*19 250	17 700	*14 400	11 650	*11 350	8650			*8000	7200	8.66
-5.0 ft	lb	*25,200	*25,200	*37,000	*37,000	*41,750	38,100	*31,200	25,100	*24,600	18,650			*17,650	15,900	28.36
-3.0 m	kg	*17 250	*17 250	*24 000	*24 000	*17 800	*17 800	*13 500	11 650	*10 350	8700			*9650	8300	7.81
-10.0 ft	lb	*38,550	*38,550	*53,450	*53,450	*38,450	*38,450	*29,150	25,150	*22,050	18,800			*21,300	18,350	25.51
-4.5 m	kg			*19 750	*19 750	*14 700	*14 700	*10 900	*10 900					*9550	*9550	6.51
-15.0 ft	lb			*42,400	*42,400	*31,450	*31,450	*23,000	*23,000					*20,950	*20,950	21.10

* Limited by hydraulic capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567.
They do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity.
Weight of all lifting accessories must be deducted from the above lifting capacities.

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

Forestry Grapples

Specification	GLL 52	GLL 55	GLL 60
Part #	271-1533	271-1534	271-1535
For use with	320C FM, 324D FM	324D FM, 325D FM	325D FM, 330D FM
Rotation	Continuous	Continuous	Continuous
Rotation torque	1153 N•m (850 ft-lb)	1153 N•m (850 ft-lb)	1153 N•m (850 ft-lb)
Max. Opening	1321 mm (52")	1397 mm (55")	1524 mm (60")
Min. Opening	126 mm (5")	126 mm (5")	126 mm (5")
Weight	1255 kg (2,767 lb)	1291 kg (2,840 lb)	1344 kg (2,965 lb)
Width	673 mm (26.5")	673 mm (26.5")	673 mm (26.5")
Height, open	2134 mm (84")	2184 mm (86")	2261 mm (89")