325D, 330D
345C, 385C
Long Reach Excavation

	325D	330D	345C	385C
Cat® Engines with ACERT™ Technology	C7	C9	C13	C18
Net Power (ISO 9249) at 1800 rpm	140 kW (190 hp)	200 kW (270 hp)	239 kW (325 hp)	390 kW (530 hp)
Operating Weight	32.2–33.6 mt	38.4–40.0 mt	55.4–55.8 mt	88.3–88.5 mt
Maximum Reach (Short/Long)	14.1–15.9 m	15.6–18.0 m	16.2–19.6 m	18.0–21.3 m

325D, 330D, 345C, 385C Long Reach Excavation

Caterpillar® Long Reach Excavation Arrangements have been designed specifically for jobs requiring longer reach than standard excavators, combined with digging capabilities.

Long Reach Excavation (LRE)

Caterpillar Long Reach Excavation machines are ideally suited for applications such as deep or long distance digging in sand or gravel pits (replacing draglines), slope forming, cleaning of settling banks and ponds, drainage, etc. These excavators can feed directly into a hopper or load a truck.

Hydraulics

Designed to deliver power and maximum control for long reach excavation jobs.
For weed-cutting and tilting buckets, medium pressure circuit, as well as hydraulic lines for the boom and the stick, are available as options.

Booms and Sticks

The Long Reach Excavation booms and sticks are purposely designed, following Caterpillar standards, to provide maximum performance and durability in digging applications with a productive bucket size.

Long Reach Excavation Attachments

Caterpillar offers a wide variety of buckets for its Long Reach Excavation product range.

Undercarriage

The heavy duty and wide undercarriages are stable and durable and provide extra stability over the side.

SmartBoom™

The Caterpillar exclusive SmartBoom feature eases the operations by smoothening the movements and accelerating return cycle speed.

Upper Frame and Counterweight

The heavy-duty upper frame guarantees durability and resistance to handle increased loads and movements generated by the demanding long reach application. A heavier counterweight balances the swing bearing and provides enhanced stability.

Complete Customer Service

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement when you purchase your equipment. The dealer will help you choose a plan that can cover everything from machine and attachment selection to replacement.

Service and Maintenance

Fast, easy service has been designed in with extended service intervals, advanced filtration, convenient filter access and user-friendly electronic diagnostics for increased productivity and reduced maintenance costs.

Courtesy of Machine.Market

Undercarriage

Durable undercarriage absorbs stresses and provides excellent stability.

Heavy Duty High Wide Undercarriage (HDHW) .
The durable Heavy Duty High Wide undercarriages provide very stable and rugged platforms for long reach digging and loading applications.

- The undercarriage is reinforced and has a high ground clearance.
- Thick carbody plates and increased box section height induce increased weight and lift capacities.

Heavy Duty Wide (HDW) Variable Gauge Undercarriage.
The 345C L Heavy Duty Wide variable gauge undercarriage is equipped with the Heavy Duty H-shaped carbody, sealed and lubricated track rollers, carrier rollers and idlers.

Variable Gauge Undercarriage (LVG). The 385C L undercarriage components offer heavy-duty performance and durability. Track rollers, carrier rollers and idlers are sealed and lubricated for excellent service life.

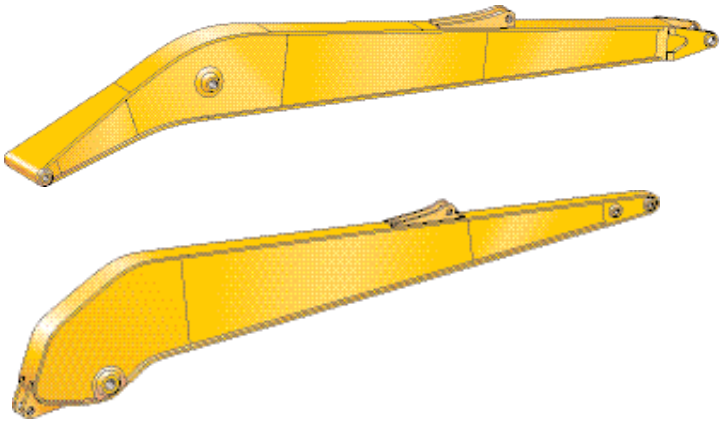
Other undercarriage configurations are also available. Contact your local Caterpillar dealer for details.

L	325D and 330D with Long undercarriage
HDHW	325D and 330D with Heavy Duty High Wide undercarriage
HDW	345C L with Heavy Duty Wide Variable Gauge undercarriage
LVG	385C L with Variable Gauge undercarriage

Courtesy of Machine.Market

Boom and Stick for Long Reach Excavation

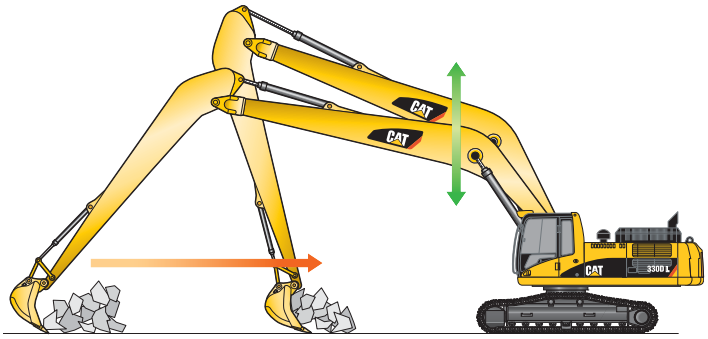
Durable front parts help you get the best out of your machine.



Long Reach Excavation Front Parts. Like all Cat booms and sticks, Caterpillar Long Reach Excavation front parts are built for performance and long service life:

- Finite elements analysis: analyses the design structural stresses and enables optimization of durability and performance.
- Castings and forgings are used at high stress areas such as boom nose, boom foot, boom cylinder and stick foot.
- Internal baffle plates give the structures extra strength and durability to withstand torsional loads.
- Large welded box section structures with thick, multi-plate fabrication are used in high-stress areas.
- The Long Reach Excavation boom and stick are stress relieved, thanks to an in-house heat treatment, to maximize material strength and durability.

Retrofit Front Parts. Long Reach Excavation retrofit front parts provide a maximal versatility to the 330D LRE. A boom hook system gives the opportunity to quickly and easily change the front parts from LRE configuration to reach or straight boom configuration.



SmartBoom™

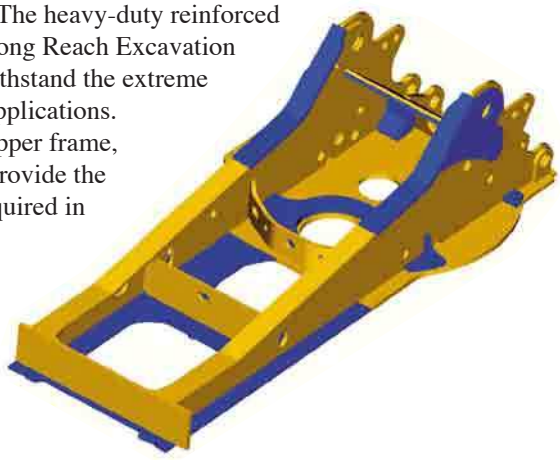
Scraping rock and finishing work is easy and fast. SmartBoom simplifies the task and allows the operator to fully concentrate on stick and bucket, while boom freely goes up and down without using pump flow. Therefore, less strain is generated on the structures.

Upper Frame and Counterweight

Purposely designed and built for extreme conditions.

Reinforced Upper Frame. The heavy-duty reinforced upper frames of the Cat Long Reach Excavation models are designed to withstand the extreme load conditions of these applications. Compared to a standard upper frame, several additional plates provide the durability and strength required in these environments.

Counterweight.
A heavier counterweight balances the swing bearing and provides enhanced stability.

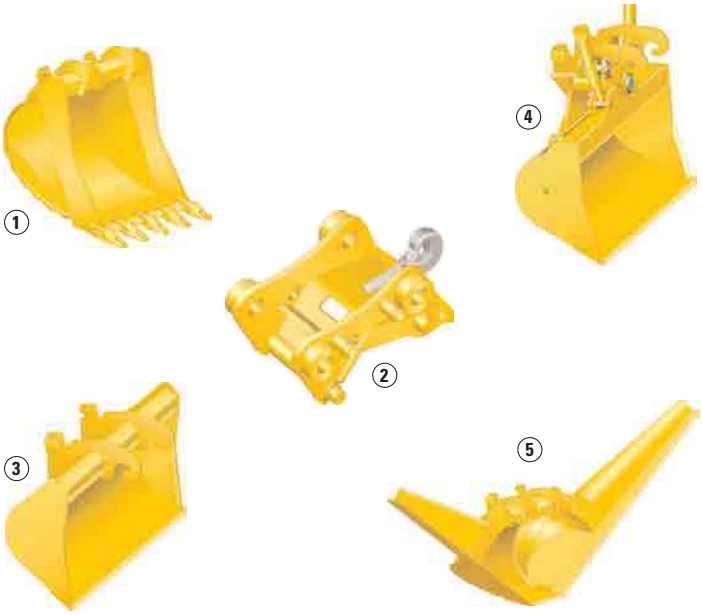


Standard **Heavy-duty**

Swing Bearing to Upper Frame Bolts.
The swing bearing bolts are 20 mm longer on the back half of upper frame for increased joint retention. Bolt grade is increased from 10.9 to 11.9 for increased bolt torque of swing bearing to upper frame and carbody.

Buckets and Quick Couplers

A wide variety of buckets help optimize machine performance. Purpose designed and built to Caterpillar's high durability standards.



Rationalized Bucket Line. Optimized design matches machine configuration perfectly. Improved balance between performance and durability. Buckets feature the Caterpillar K Series Tooth System.

1 Excavation (X). Digs and loads soft to medium materials such as clay and earth. Features weld on tip adapters, wear resistant steel alloy cutting edge and wear plates, and high grade steel side bars.

2 Quick Coupler. Caterpillar quick couplers enable the operator to simply release one work tool and pick up another. Your hydraulic excavator becomes highly versatile. The dedicated CW-Series quick coupler enables a quick tool exchange while maintaining top machine performance. A lifting hook is added for maximum lift capacity.

Buckets for Special Applications. Choose from a variety of buckets such as ditch cleaning buckets (tiltable) and trapezoidal buckets. Each of these buckets enhances the performance in special applications. Ask your dealer representative to recommend the optimum solution for your material and operation.

3 Ditch Cleaning Bucket. Wide, light duty bucket tailored for long reach configurations to clean waterbeds and banks.

4 Tiltable Ditch Cleaning Bucket. Wide, light duty hydraulically tiltable bucket for ditch cleaning and slope finishing applications.

5 Trapezoidal Bucket. Features tapered design to shape ditch banks in one operation and to prepare and maintain small irrigation ditches. Available with fixed or mechanically adjustable wings.

Engines

	325D	330D	345C	385C
Cat® Engines with ACERT™ Technology	C7	C9	C13	C18
Net Power at 1800 rpm				
ISO 9249	140 kW (190 hp)	200 kW (270 hp)	239 kW (325 hp)	390 kW (530 hp)
80/1269/EEC	140 kW (190 hp)	200 kW (270 hp)	239 kW (325 hp)	390 kW (530 hp)
Bore	110 mm	112 mm	130 mm	145 mm
Stroke	127 mm	149 mm	157 mm	171 mm
Displacement	7.2 L	8.8 L	12.5 L	18.1 L

- All engine horsepower (hp) are metric including front page.
- All engines meet Stage IIIA emission requirements.
- Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.
- Full engine net power up to 2300 m altitude (engine derating required above 2300 m).

Bucket Specifications

Excavation Buckets (90% fill factor)

B-family linkage

Width	Capacity (ISO)	Weight*	325D HDHW 16 m		330D HDHW 18 m		345C HDW 19.5 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC	Pin-on	QC
600	0.44	564						
750	0.59	593						
1000	0.86	698						
1200	1.08	783				N		
1250	1.13	800				N		
1300	1.19	818		N	N	N		
1400	1.30	853		N	N	N		
1500	1.41	888	N	N	N	N		

CB-family linkage

Width	Capacity (ISO)	Weight*	325D L 14 m		325D HDHW 14 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC
600	0.49	664				
750	0.67	688				
1250	1.29	919		N		
1300	1.35	958		N		
1350	1.42	979		N		
1400	1.48	1000	N	N		
1500	1.61	1043	N	N		
1600	1.74	1084	N	N		N

DB-family linkage

Width	Capacity (ISO)	Weight*	345C HDW 16 m		385C LVG 21.5 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC
1000	1.11	1124				
1350	1.62	1333				
1500	1.84	1443				
1600	1.99	1501				N
1650	2.07	1530				N
1700	2.14	1558				N

HB-family linkage

Width	Capacity (ISO)	Weight*	385C LVG 18 m	
mm	m^3	kg	Pin-on	QC
1150	2.00	2833		
1350	2.60	3073		
1750	3.50	3624		N

Ditch Cleaning Buckets (90% fill factor)

B-family linkage

Width	Capacity (ISO)	Weight*	325D HDHW 16 m		330D HDHW 18 m		345C HDW 19.5 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC	Pin-on	QC
1800	1.05	690						
2000	1.18	750				N		

CB-family linkage

Width	Capacity (ISO)	Weight*	325D L 14 m		325D HDHW 14 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC
2100	1.23	800				
2200	1.3	830				

DB-family linkage

Width	Capacity (ISO)	Weight*	345C HDW 16 m		385C LVG 21.5 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC
2000	1.63	1095				

Tiltable Ditch Cleaning Buckets (90% fill factor)

B-family linkage

Width	Capacity (ISO)	Weight*	325D HDHW 16 m		330D HDHW 18 m		345C HDW 19.5 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC	Pin-on	QC
1800	0.88	1010				N		
2000	0.98	1060		N	N	N		

CB-family linkage

Width	Capacity (ISO)	Weight*	325D L 14 m		325D HDHW 14 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC
2000	0.98	1090				
2000	1.15	1120		N		

DB-family linkage

Width	Capacity (ISO)	Weight*	345C HDW 16 m		385C LVG 21.5 m	
mm	m^3	kg	Pin-on	QC	Pin-on	QC
2200	1.52	1625				

Maximum material density 1800 kg/m^3

Maximum material density 1500 kg/m^3

Maximum material density 1200 kg/m^3

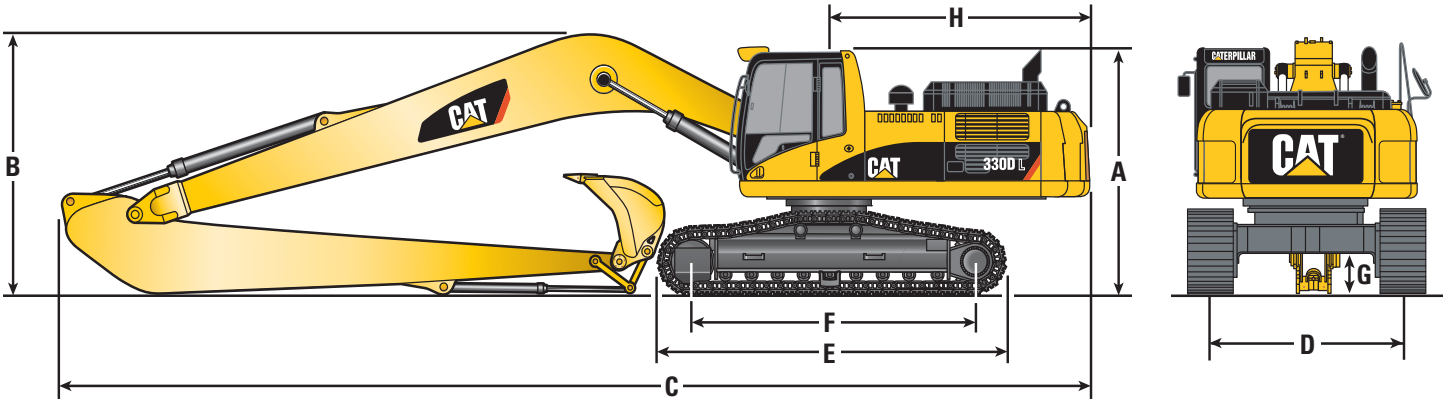
N Not recommended

Hydraulic System

	325D	330D	345C	385C
Main Implement System				
Maximum flow	2 x 235 L/min	2 x 280 L/min	2 x 360 L/min	980 L/min
Maximum pressure				
Implements	350 bar	350 bar	350 bar	320 bar
Travel	350 bar	350 bar	350 bar	350 bar
Swing	275 bar	280 bar	314 bar	260 bar
Pilot System				
Maximum flow	32 L/min	43 L/min	43 L/min	90 L/min
Maximum pressure	39 bar	39 bar	41 bar	41 bar
Bucket Cylinder Family (Short/Long)	CB2/B1	CB2/B1	DB/B1	HB/DB

Dimensions and Weights

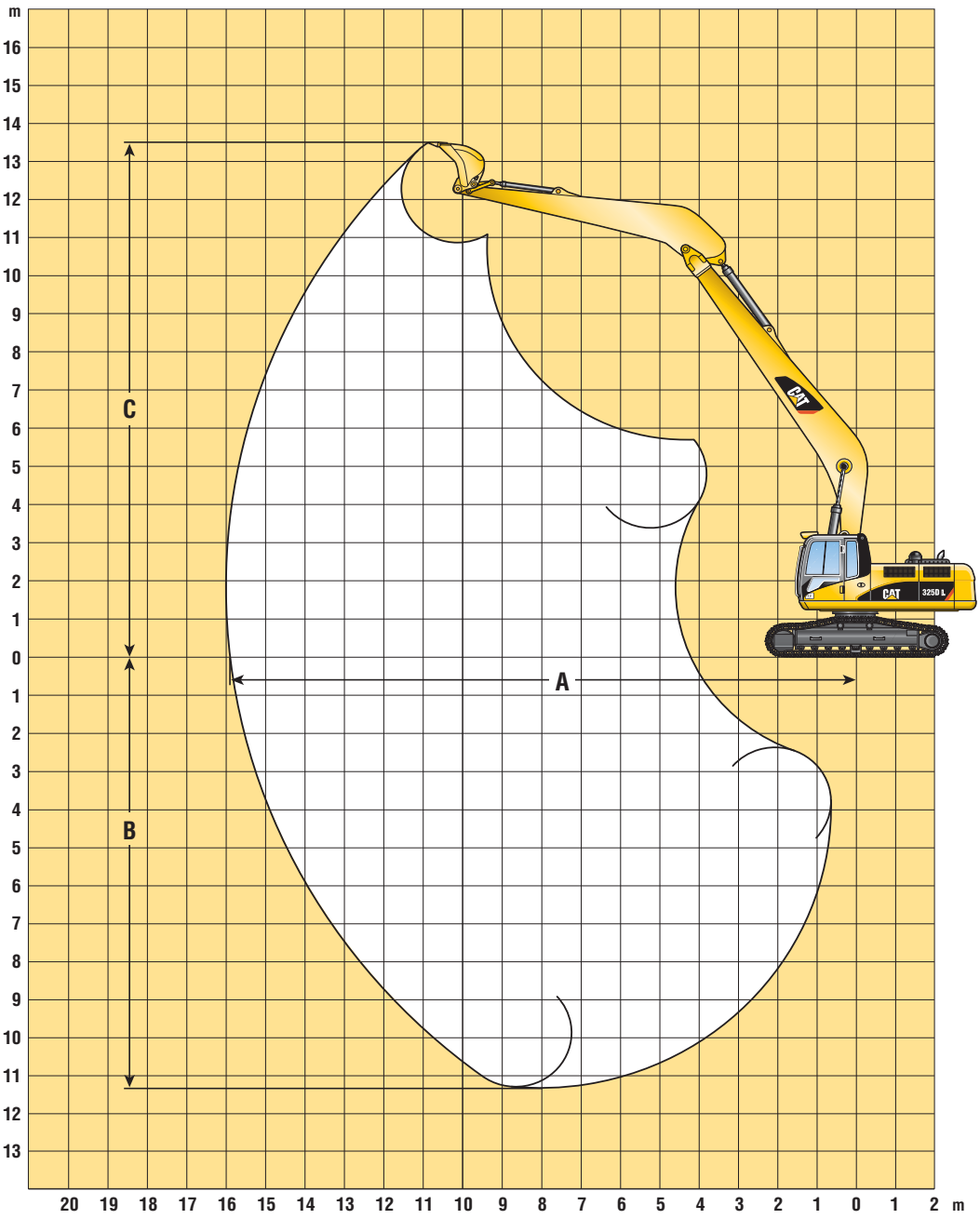
All dimensions and weights are approximate



		325D			330D			345C		385C	
Undercarriage		L	HDHW	HDHW	L	HDHW	HDHW	HDW	HDW	LVG	LVG
Front Linkage		14 m	14 m	16 m	15.5 m	15.5 m	18 m	16 m	19.5 m	18 m	21.5 m
A Cab height											
without FOG	mm	3170	3392	3392	3280	3511	3511	3373	3373	3760	3760
with FOG	mm	3340	3562	3562	3450	3681	3681	3543	3543	3950	3950
B Boom height	mm	3205	3340	3575	3305	3445	3595	3555	3725	5715	4280
C Overall length	mm	12155	12130	13640	13665	13630	15310	14500	16480	16605	18780
D Shipping gauge	mm	2590	2920	2920	2590	2920	2920	3220	3220	2750	2750
Working gauge	mm	2590	2920	2920	2590	2920	2920	3720	3720	3510	3510
E Track length	mm	4860	4860	4860	5020	5020	5020	5340	5340	6360	6360
F Length to centers of rollers	mm	3990	3990	3990	4040	4040	4040-	4340	4340	5120	5120
G Ground clearance	mm	480	660	660	510	720	720	740	740	890	890
H Tail swing radius	mm	3080	3080	3080	3500	3500	3500	3770	3770	4590	4590
Boom length	mm	8000	8000	9500	9000	9000	10660	9500	11500	10500	12500
Stick length	mm	5300	5300	6000	6000	6000	7100	6500	8500	5500	9500
Linkage family		CB2	CB2	B1	CB2	CB2	B1	DB	B1	HB	DB
Counterweight	kg	7700	7700	7700	8450	8450	8450	12000	12000	14700	14700
Operating weight	kg	32230	33580	33580	38420	39990	39680	55350	55 800	88310	88490

Working Ranges – 325D

Long reach excavation front parts with heavy duty upper frame,
7700 kg counterweight, 800 mm triple grouser shoes.

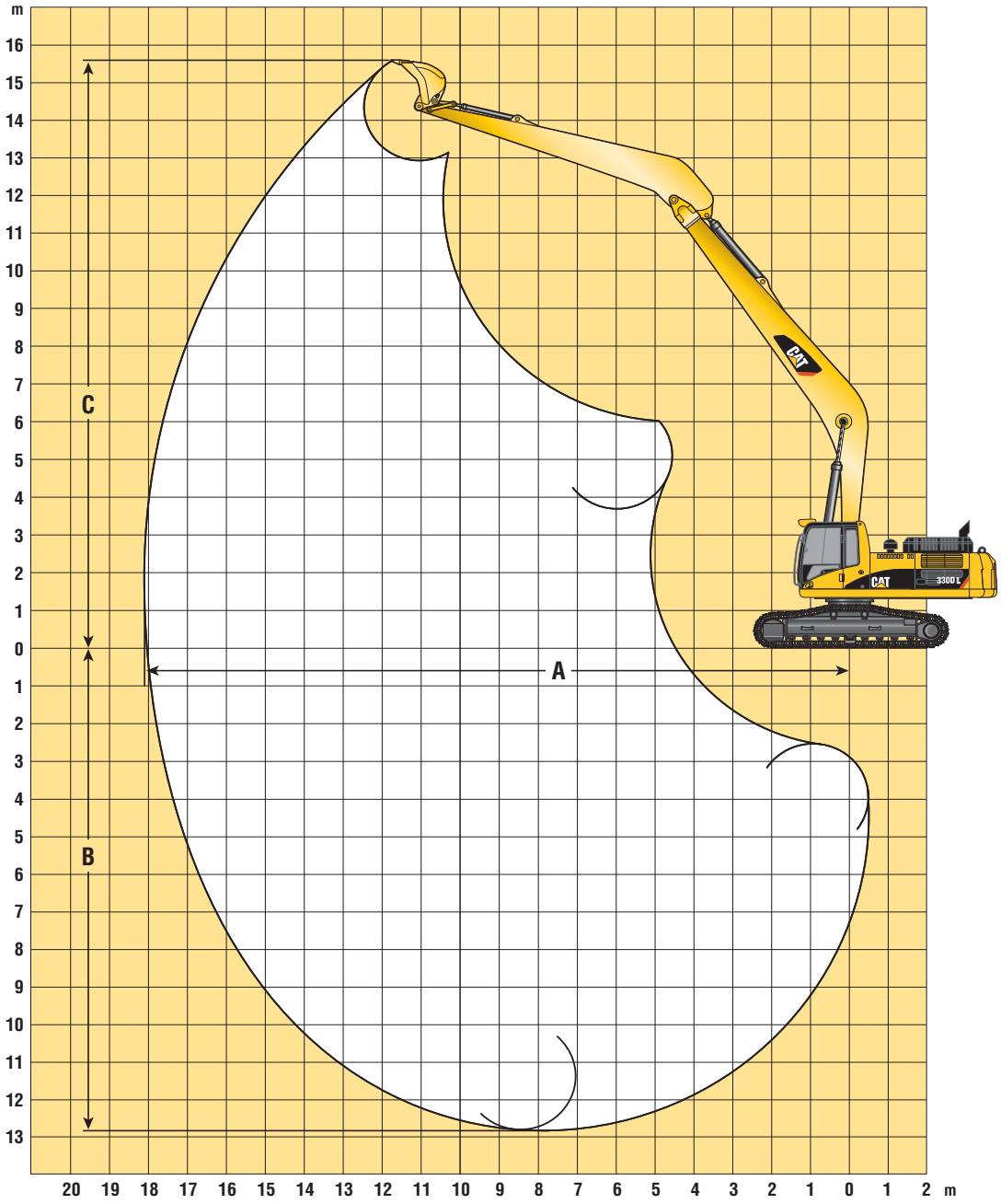


Undercarriage		L	HDHW	HDHW
Front linkage		**14 m**	**14 m**	**16 m**
A Maximum reach	mm	14 105	14 105	15 990
B Maximum digging depth	mm	10 135	9915	11 350
C Maximum cutting height	mm	11 940	12 160	13 550
Bucket tip radius	mm	1610	1610	1402
Bucket digging force (ISO 6015)	kN	138	138	118
Stick digging force (ISO 6015)	kN	97	97	88

Depending on the bucket used, the working range may change.

Working Ranges – 330D

Long reach excavation front parts with heavy duty upper frame,
8450 kg counterweight, 700 mm triple grouser shoes.

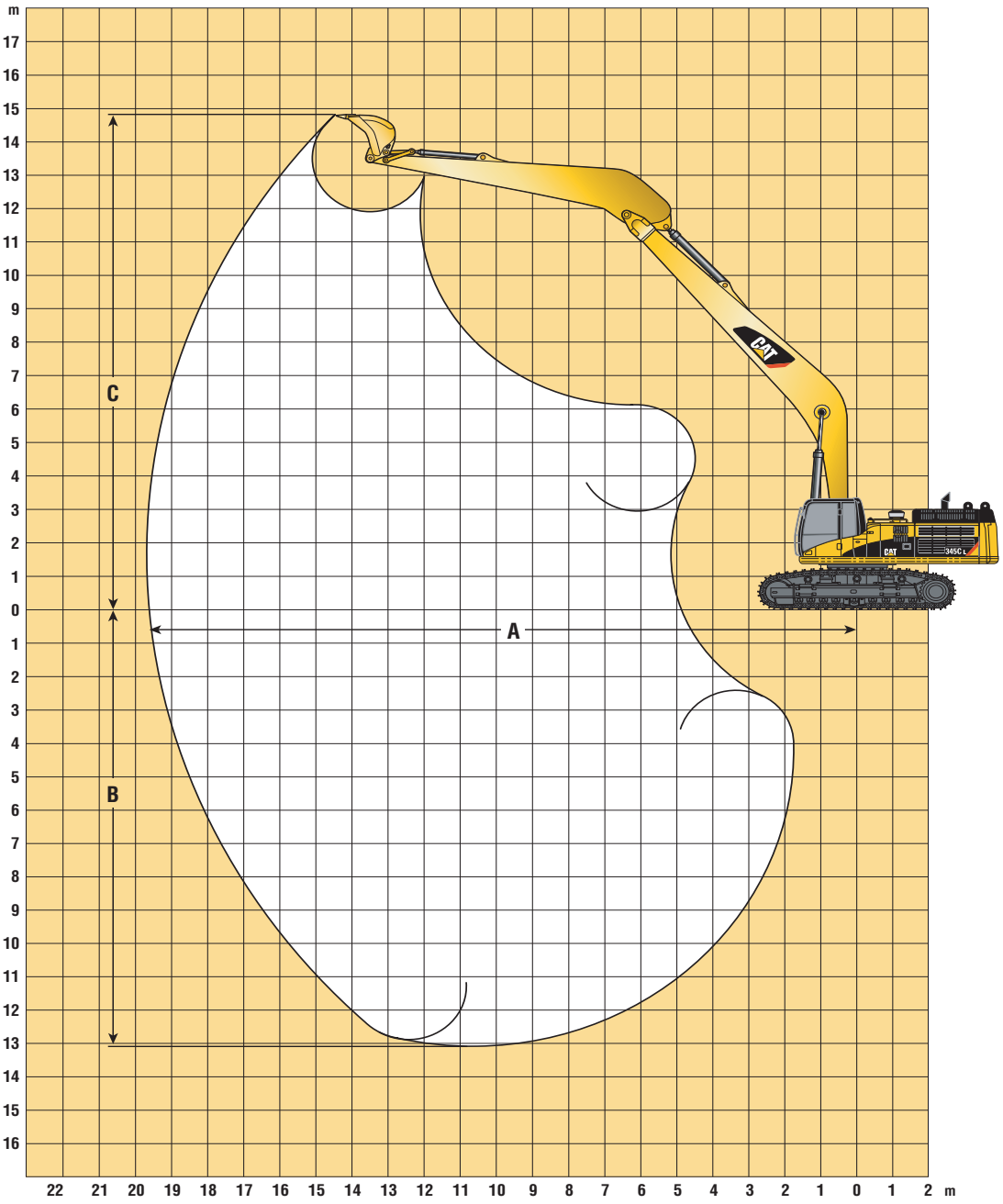


Undercarriage		L	HDHW	HDHW
Front linkage		**15.5 m**	**15.5 m**	**18 m**
A Maximum reach	mm	15 650	15 650	18 045
B Maximum digging depth	mm	11 095	10 865	12 890
C Maximum cutting height	mm	13 555	13 785	15 580
Bucket tip radius	mm	1453	1453	1402
Bucket digging force (ISO 6015)	kN	153	153	124
Stick digging force (ISO 6015)	kN	116	116	99

Depending on the bucket used, the working range may change.

Working Ranges – 345C

Long reach excavation front parts with heavy duty upper frame,
12 000 kg counterweight, 600 mm triple grouser shoes.

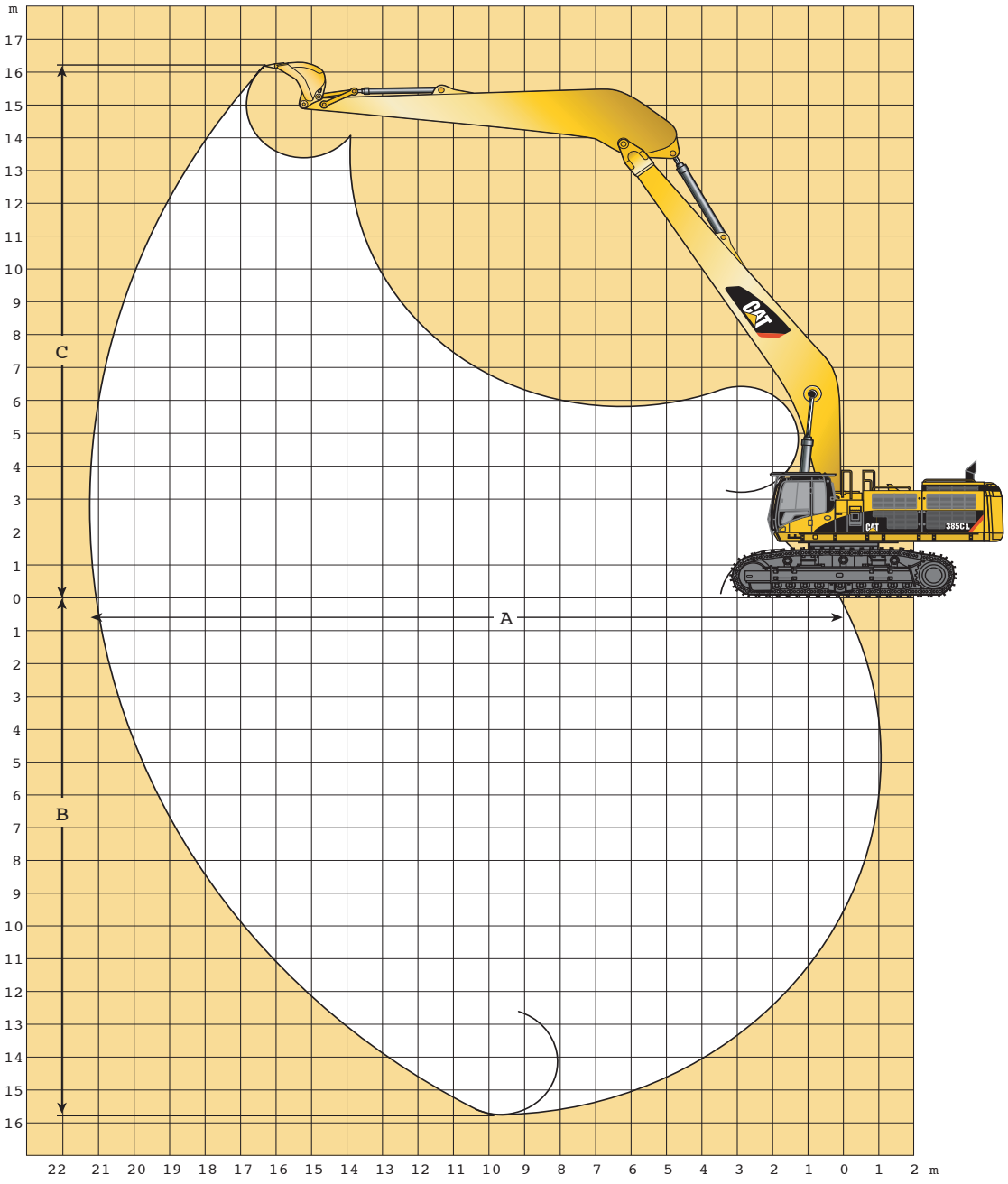


Undercarriage		HDW	HDW
Front linkage		16 m	19.5 m
A Maximum reach	mm	16 245	19 615
B Maximum digging depth	mm	10 440	13 115
C Maximum cutting height	mm	12 525	14 875
Bucket tip radius	mm	1680	1402
Bucket digging force (ISO 6015)	kN	181	130
Stick digging force (ISO 6015)	kN	139	111

Depending on the bucket used, the working range may change.

Working Ranges – 385C

Long reach excavation front parts with heavy duty upper frame,
14 700 kg counterweight, 750 mm triple grouser shoes.



Undercarriage		L VG	L VG
Front linkage		**18 m**	**21.5 m**
A Maximum reach	mm	17 950	21 310
B Maximum digging depth	mm	12 285	15 825
C Maximum cutting height	mm	15 400	16 015
Bucket tip radius	mm	1959	1658
Bucket digging force (ISO 6015)	kN	317	178
Stick digging force (ISO 6015)	kN	255	156

Depending on the bucket used, the working range may change.

Lift Capacities – 325D

Long reach excavation front parts with heavy duty upper frame, 7700 kg counterweight, 800 mm triple grouser shoes.
Heavy lift off. All weights are in kg.

Undercarriage – L **Front Linkage – 14 m** **Bucket Weight/Capacity – 981 kg/1.3 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m				m
9.0 m													*1730	*1730			*1250	*1250	11.95
7.5 m													*2670	*2670			*1230	*1230	12.75
6.0 m											*3790	*3790	*3310	3130	*1780	*1780	*1260	*1260	13.30
4.5 m									*4780	*4780	*4210	3850	*3810	3000	*2550	2180	*1330	*1330	13.64
3.0 m			*10460	*10460	*9640	*9640	*6980	*6980	*5570	5330	*4700	3850	*4120	2830	*3150	2090	*1430	*1430	13.78
1.5 m			*3040	*3040	*12000	10750	*8280	6980	*6350	4900	*5200	3580	*4430	2670	3620	1990	*1590	1470	13.74
0 m			*3450	*3450	*9290	*9290	*9240	6400	*6990	4540	*5620	3350	4470	2520	3530	1900	*1810	1480	13.51
–1.5 m	*3300	*3300	*4790	*4790	*9090	*9090	*9760	6050	*7400	4280	5610	3170	4350	2400	3460	1840	*2120	1560	13.08
–3.0 m	*4890	*4890	*6440	*6440	*10320	9320	*9830	5890	7340	4140	5490	3070	4280	2330			*2570	1730	12.43
–4.5 m	*6580	*6580	*8360	*8360	*12400	9390	*9500	5870	7300	4100	5460	3040	4270	2330			*3280	2040	11.53
–6.0 m	*8450	*8450	*10640	*10640	*11500	9600	*8690	5970	*6770	4160	*5310	3090					*3820	2610	10.29
–7.5 m			*12950	*12950	*9500	*9500	*7280	6190	*5610	4340									

Undercarriage – HDHW **Front Linkage – 14 m** **Bucket Weight/Capacity – 1025 kg/1.35 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m				m
9.0 m													*1880	*1880			*1210	*1210	12.09
7.5 m													*2370	*2370			*1200	*1200	12.85
6.0 m										√	*3810	*3810	*3380	*3380	*1880	*1880	*1230	*1230	13.36
4.5 m									*4860	*4860	*4250	*4250	*3820	3620	*2610	*2610	*1300	*1300	13.67
3.0 m			*7390	*7390	*10000	*10000	*7150	*7150	*5660	*5660	*4740	4610	*4130	3450	*3200	2610	*1420	*1420	13.79
1.5 m			*2920	*2920	*12240	*12240	*8410	8350	*6420	5880	*5230	4340	*4440	3280	*3670	2510	*1580	*1580	13.72
0 m			*3580	*3580	*9060	*9060	*9310	7790	*7030	5520	*5630	4110	4660	3130	3680	2420	*1810	*1810	13.46
–1.5 m	*3500	*3500	*4980	*4980	*9170	*9170	*9760	7450	*7000	5280	5840	3940	4540	3020	*3570	2360	*2140	2050	13.00
–3.0 m	*5100	*5100	*6670	*6670	*10540	*10540	*9780	7310	*7490	5410	5740	3840	4480	2960			*2620	2280	12.32
–4.5 m	*6810	*6810	*8630	*8630	*12610	11790	*9370	7310	*7250	5120	5720	3820	4490	2970			*3390	2670	11.37
–6.0 m	*8710		*10980	*10980	*12220	*12220	*8500	7430	*6600	5200	*5150	3890							
–7.5 m			*12320	*12320	*9080	*9080	*6970	*6970	*5330	*5330									

Undercarriage – HDHW **Front Linkage – 16 m** **Bucket Weight/Capacity – 759 kg/1.05 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m				m
10.5 m															*1650	*1650			*1230	*1230	13.41
9.0 m															*2400	*2400			*1220	*1220	14.27
7.5 m													*3080	*3080	*2890	*2890	*1810	*1810	*1240	*1240	14.90
6.0 m											*3700	*3700	*3320	*3320	*3040	3030	*2440	2310	*1280	*1280	15.35
4.5 m									*4910	*4910	*4140	*4140	*3620	*3620	*3240	2890	*2960	2230	*1350	*1350	15.61
3.0 m					*10610	*10610	*7370	*7370	*5650	*5650	*4620	4610	*3930	3530	*3450	2730	*3090	2130	*1450	*1450	15.72
1.5 m					*5080	*5080	*8410	7820	*6320	5660	*5060	4270	*4240	3000	*3650	2580	3110	2030	*1590	1470	15.67
0 m			*1870	*1870	*4650	*4650	*9070	7230	*6820	5250	*5420	3990	*4490	3100	3710	2450	3020	1490	*1770	1470	15.45
–1.5 m			*3190	*3190	*5320	*5320	*9350	6910	*7110	4980	*5660	3780	4470	2950	3600	2340	3950	1870	*2020	1520	15.07
–3.0 m	*3790	*3790	*4490	*4490	*6440	*6440	*9300	6780	*7180	4830	5540	3650	4370	2850	3530	2270	3910	1830	*2360	1630	14.50
–4.5 m	*4980	*4980	*5850	*5850	*7850	*7850	*8980	6770	*7040	4780	5480	3600	4320	2810	3500	2250			*2850	1820	13.73
–6.0 m	*6260	*6260	*7350	*7350	*9580	*9580	*8400	6860	*6670	4810	*5400	3610	4330	2820	3540	2280			*3070	2140	12.72
–7.5 m			*9070	*9070	*9550	*9550	*7490	7050	*6010	4930	*4860	3700	*3900	2910							
–9.0 m					*7700	*7700	*6160	*6160	*4960	*4960	*3920	3380									

Load Point Height Load Radius Over Front Load Radius Over Side Load at Maximum Reach

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

Lift Capacities – 330D

Long reach excavation front parts with heavy duty upper frame, 8450 kg counterweight, 700 mm triple grouser shoes.
Heavy lift off. All weights are in kg.

Undercarriage – L **Front Linkage – 15.6 m** **Bucket Weight/Capacity – 1025 kg/1.35 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m				
																					m
10.5 m													*3220	*3220					*1600	*1600	12.91
9.0 m													*3560	*3560	*2720	*2720			*1570	*1570	13.61
7.5 m													*3710	*3710	*3470	3220			*1580	*1580	14.48
6.0 m									*5720	*5720	*4390	*4390	*3950	*3950	*3610	3110	*2530	2280	*1620	*1620	14.94
4.5 m			*5940	*5940	*11890	*11890	*8390	*8390	*6520	*6520	*4860	*4860	*4250	3940	*3800	2950	*3350	2190	*1710	1630	15.22
3.0 m			*2780	*2780	*11640	*11640	*9570	8440	*7260	6040	*5360	4900	*4580	3670	*4010	2770	*3580	2080	*1830	1520	15.33
1.5 m			*3810	*3810	*8850	*8850	*10350	7650	*7810	5520	*5840	4490	*4890	3400	*4210	2600	*3690	1970	*2000	1460	15.28
0 m	*4100	*4100	*5350	*5350	*9130	*9130	*10670	7190	*8120	5160	*6220	4140	*5150	3170	*4370	2440	3630	1870	*2230	1460	15.06
–1.5 m	*5700	*5700	*7060	*7060	*10430	*10430	*10570	6970	*9150	4950	*6450	3880	*5300	2980	4360	2310	3550	1790	*2540	1520	14.67
–3.0 m	*7380	*7380	*8930	*8930	*12320	11060	*10100	6930	*7890	4880	*6500	3710	5310	2860	270	2230			*2970	1650	14.09
–4.5 m	*9180		*11030	*11030	*12010	11300	*9260	7030	*7320	4910	*6320	3640	*5140	2800	*4180	2210			*3330	1880	13.29
–6.0 m			*13420	*13420	*10120	*10120	*7960	7250	*6350	5060	*5040	3770	*4710	2830					*3270	2280	12.24
–7.5 m					*7530	*7530	*6060	*6060	*4800	*4800	*3580	*3580	*3860	2950							

Undercarriage – HDHW **Front Linkage – 15.6 m** **Bucket Weight/Capacity – 1025 kg/1.35 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m				
																					m
10.5 m													*3360	*3360					*1590	*1590	13.07
9.0 m													*3580	*3580	*2890	*2890			*1570	*1570	13.93
7.5 m					`	`							*3740	*3740	*3490	*3490			*1580	*1580	14.56
6.0 m									*5840	*5840	*4460	*4460	*3990	*3990	*3640	*3640	*2670	*2670	*1640	*1640	14.99
4.5 m			*4650	*4650	*12270	*12270	*8590	*8590	*6640	*6640	*4930	*4930	*4300	*4300	*3830	3600	*3460	2760	*1720	*1720	15.25
3.0 m			*2850	*2850	*10770	*10770	*9720	*9720	*7360	7230	*5440	*5440	*4630	4440	*4040	3420	*3600	2650	*1850	*1850	15.33
1.5 m			*4030	*4030	*8790	*8790	*10430	9330	*7880	6720	*5910	5420	*4940	4170	*4240	3240	*3700	2530	*2030	1960	15.25
0 m	*4340	*4340	*5600	*5600	*9290	*9290	*10680	8900	*8140	6380	*6270	5080	*5180	3930	*4380	3080	*37060	2430	*2270	1980	15.01
–1.5 m	*5960	*5960	*7330	*7330	*10690	*10690	*10520	8710	*8130	6190	*6470	4820	*5310	3750	*4450	2960	*3740	2360	*2600	2060	14.59
–3.0 m	*7650	*7650	*9240	*9240	*12660	*12660	*10000	8690	*7830	6120	*6490	4680	*5300	3630	*4380	2890			*3060	2230	13.98
–4.5 m	*9470		*11380	*11380	*11760	*11760	*9090	8810	*7200	6180	*6270	4600	*5100	3590	*4120	2880			*3330	2530	13.15
–6.0 m			*12870	*12870	*9770	*9770	*7720	*7220	*6150	*6150	*5770	4640	*4620	3630					*3250	3030	12.05
–7.5 m							*5700	*5700	*4480	*4480	*4870	4770									

Undercarriage – HDHW **Front Linkage – 18.6 m** **Bucket Weight/Capacity – 759 kg/1.05 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		12.0 m		13.5 m		15.0 m		16.5 m				
																									m
13.5 m															*2390	*2390							*1500	*1500	13.96
12.0 m																	*2090	*2090					*1440	*1440	15.11
10.5 m																	*2700	*2700					*1410	*1410	16.00
9.0 m															*2940	*2940	*2760	*2760	*2350	*2350			*1410	*1410	16.70
7.5 m															*3100	*3100	*2860	*2860	*2670	2540			*1440	*1440	17.22
6.0 m													*3690	*3690	*3290	*3290	*2990	*2990	*2750	2450	*1790	*1790	*1480	*1480	17.58
4.5 m							*7180	*7180	*5650	*5650	*4680	*4680	*4010	*4010	*3520	*3520	*3140	2970	*2850	2340	*2340	1820	*1550	1540	17.80
3.0 m					*9190	*9190	*8410	*8410	*6390	*6390	*5160	*5160	*4340	*4340	*3740	3530	*3300	2800	*2950	2220	*2670	1750	*1650	1460	17.88
1.5 m					*5110	*5110	*9380	*9380	*7030	6910	*5600	5290	*4640	4150	*3960	3290	*3450	2630	*3050	2110	*2720	1670	*1780	1410	17.82
0 m			*2250	*2250	*4850	*4850	*9940	8610	*7490	6340	*5940	4880	*4890	3860	*4140	3080	*3570	2480	*3120	2000	2680	1610	*1940	1410	17.62
–1.5 m			*3550	*3350	*5530	*5530	*9610	8180	*7730	5960	*6150	4580	*5050	3630	*4260	2910	*3650	2360	3120	1910	*2590	1560	*2160	1440	17.27
–3.0 m	*4180	*4180	*4810	*4810	*6580	*6580	*10000	7990	*7760	5740	*6220	4390	*5120	3470	*4300	2790	3650	2270	3060	1860			*2440	1510	16.78
–4.5 m	*5330	*5330	*6110	*6110	*7860	*7860	*9640	7960	*7600	5650	*6150	4290	*5070	3380	*4250	2720	*3590	2220	*3020	1830			*2600	1650	16.11
–6.0 m	*6540	*6540	*7490	*7490	*9340	*9340	*9060	8040	*7240	5660	*5910	4270	*4890	3350	*4080	2700	*3400	2220					*2600	1860	15.26
–7.5 m			*8990	*8990	*10420	*10420	*8230	8220	*6670	5760	*5480	4320	*4540	3390	*3750	2740	*3030	2270					*2560	1860	14.17
–9.0 m			*10660	*10660	*8830	*8830	*7120	*7120	*5840	*5840	*4820	4460	*3950	3500	*3170	2850							*2420	*2420	12.79
–10.5 m					*6780	*6780	*5630	*5630	*4670	*4670	*3820	*3820	*3010	*3010											

Lift Capacities – 345C

Long reach excavation front parts with heavy duty upper frame, 12 000 kg counterweight, 600 mm triple grouser shoes.

Heavy lift off. All weights are in kg.

Undercarriage – HDW **Front Linkage – 16.2 m** **Bucket Weight/Capacity – 1175 kg/2.2 m³**

	3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m				
10.5 m													*2600	*2600			*1540	*1540	13.90
9.0 m													*3700	*3700			*1550	*1550	14.71
7.5 m													*4610	*4610	*2880	*2880	*1620	*1620	15.29
6.0 m											*6470	*6470	*5580	*5580	*3870	*3870	*1720	*1720	15.69
4.5 m									*8100	*8100	*6980	*6980	*6160	*6160	*4780	*4780	*1880	*1880	15.92
3.0 m	*5040	*5040	*20540	*20540	*14270	*14270	*10950	*10950	*8900	*8900	*7510	*7510	*6510	*6510	*5700	5360	*2090	*2090	15.99
1.5 m	*3500	*3500	*12080	*12080	*15970	*15970	*12040	*12040	*9620	*9620	*7990	*7990	*6820	6460	*5930	5170	*2370	*2370	15.90
0 m	*4930	*4930	*10090	*10090	*16960	*16960	*12800	*12800	*10160	10010	*8370	7810	*7070	6210	5970	5010	*2740	*2740	15.65
–1.5 m	*6680	*6680	*10640	*10640	*17240	*17240	*13160	12760	*10460	9620	*8580	7520	7150	6020	5840	4880	*3240	*3240	15.23
–3.0 m	*8550	*8550	*12100	*12100	*16900	*16900	*13090	12460	*10470	9370	*8570	7340	7010	5880	5760	4800	*3940	*3940	14.62
–4.5 m	*10560	*10560	*14090	*14090	*16010	*16010	*12600	12350	*10140	9260	*8290	7250	*6810	5830					
–6.0 m	*12730		*16510	*16510	*14570	*14570	*11630	*11630	*9410	9270	*7640	7260	*6130	5870					
–7.5 m			*15600	*15600	*12480	*12480	*10090	*10090	*8150	*8150	*6470	*6470							
–9.0 m							*7760	*7760	*6110	*6110									

Undercarriage – HDW **Front Linkage – 18.6 m** **Bucket Weight/Capacity – 832 kg/1.2 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m		15.0 m		16.5 m		18.0 m				
12.0 m																			*2350	*2350					*1450	*1450	17.01
10.5 m																			*2960	*2960	*1790	*1790			*1450	*1450	17.80
9.0 m																			*3470	*3470	*2490	*2490			*1480	*1480	18.41
7.5 m																	*4450	*4450	*3980	*3980	*3060	*3060			*1530	*1530	18.87
6.0 m															*5180	*5180	*4650	*4650	*4220	*4220	*3590	*3590	*2030	*2030	*1610	*1610	19.20
4.5 m													*6310	*6310	*5500	*5500	*4870	*4870	*4380	*4380	*3970	*3970	*2500	*2500	*1710	*1710	19.38
3.0 m					*16690	*16690	*12990	*12990	*9950	*9950	*8050	*8050	*6760	*6760	*5820	*5820	*5100	*5100	*4540	*4540	*4080	3790	*2860	*2860	*1840	*1840	19.45
1.5 m					*7580	*7580	*14330	*14330	*10820	*10820	*8650	*8650	*7170	*7170	*6110	*6110	*5310	*5310	*4680	4400	*4170	3620	*3110	2980	*2010	*2010	19.38
0 m			*3230	*3230	*6320	*6320	*12710	*12710	*11450	*11450	*9110	*9110	*7510	*7510	*6360	6170	*5490	5060	*4800	4170	4200	3460	*3200	2870	*2220	*2220	19.19
–1.5 m	*3580	*3580	*4300	*4300	*6600	*6600	*11150	*11150	*11790	11700	*9410	9000	*7750	7170	*6530	5830	*5610	4800	4820	3980	4060	3320	*3030	2780	*2490	*2490	18.87
–3.0 m	*4650	*4650	*5450	*5450	*7420	*7420	*11150	*11150	*11840	11210	*9510	8580	*7850	6830	*6610	5560	5560	4600	4670	3830	3950	3210			*2830	2640	18.41
–4.5 m	*5570	*5770	*6650	*6650	*8500	*8500	*11870	*11870	*11620	10950	*9420	8330	*7800	6610	6510	5380	5410	4450	4560	3730	3890	3150			*3290	2800	17.80
–6.0 m			*7910	*7910	*9780	*9780	*13030	*13030	*11150	10870	*9110	8210	*7590	6490	*6390	5280	5330	4380	4510	3680	*3870	3130			*3580	3040	17.02
–7.5 m			*9250	*9250	*11220	*11220	*12810	*12810	*10390	*10390	*8580	8210	*7170	6470	*8040	5260	*5090	4370	*4250	3700					*3440	*3440	14.85
–9.0 m					*12850	*12850	*11320	*11320	*9330	*9330	*7770	*7770	*6510	*6510	*5460	5330											
–10.5 m							*9390	*9390	*7880	*7880	*6630	*6630	*5540	*5540	*4550	*4550											
–12 m											*5020	*5020	*4100	*4100													

Lift Capacities – 385C

Long reach excavation front parts with heavy duty upper frame, 14 700 kg counterweight, 750 mm triple grouser shoes.

Heavy lift off. All weights are in kg.

Undercarriage – LVG **Front Linkage – 18 m** **Bucket Weight/Capacity – 2850 kg/2.0 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m		15.0 m				m
12.0 m															*7590	*7590					*3490	*3490	14.91
10.5 m															*7650	*7650	*7030	*7030			*3350	*3350	15.81
9.0 m															*7940	*7940	*7400	*7400			*3280	*3280	16.49
7.5 m													*9370	*9370	*8390	*8390	*7660	*7660	*6620	6470	*3280	*3280	16.98
6.0 m											*11960	*11960	*11200	*11200	*8950	*8950	*8010	*8010	*7310	6350	*3330	*3330	17.30
4.5 m									*16620	*16620	*13280	*13280	*11090	*11090	*9550	*9550	*8410	7890	*7540	6170	*3450	*3450	17.46
3.0 m									*18450	*18450	*14500	*14500	*11920	*11920	*10130	9520	*8800	7550	*7770	5960	*3630	*3630	17.48
1.5 m									*19740	19070	*15470	14550	*12630	11390	*10620	9050	*9130	7220	*7950	5760	*3880	*3880	17.34
0 m									*20400	18160	*16090	13830	*13120	10850	*10980	8650	*9350	6950	*8020	5590	*4220	*4220	17.05
–1.5 m							*11890	*11890	*20480	17670	*16330	13360	*13350	10470	*11040	8160	*9410	6750	*7910	5470	*4680	4560	16.59
–3.0 m					*9510	*9510	*15980	*15980	*20040	17480	*16170	13120	*13270	10250	*11040	8190	*9210	6640	*7450	5460	*5290	4980	15.95
–4.5 m			*10720	*10720	*14200	*14200	*21200	*21200	*19120	17530	*15570	13070	*12810	10190	*10590	8150	*8640	6850			*6120	5630	15.12
–6.0 m			*15420	*15420	*19650	*19650	*21670	*21670	*17650	*17650	*14470	13210	*11890	10280	*9660	8260	*7320	6850					
–7.5 m			*20910	*20910	*22990	*22990	*18830	*18830	*15500	*15500	*12710	*12710	*10270	*10270	*7810	*7810							
–9.0 m					*17780	*17780	*14930	*14390	*12350	*12350	*9930	*9930	*7340	*7340									

Undercarriage – LVG **Front Linkage – 21.5 m** **Bucket Weight/Capacity – 1150 kg/1.45 m³**

	1.5 m		3.0 m		4.5 m		6.0 m		7.5m		9.0 m		10.5 m		12 m		13.5 m		15.0 m		16.5 m		18.0 m		19.5 m				m
13.5 m																√					*2580	*2580					*1970	*1970	18.25
12.0 m																					*3540	*3540					*1980	*1980	19.08
10.5 m																					*4300	*4300	*2800	*2800			*2010	*2010	19.74
9.0 m																			*5870	*5870	*5010	*5010	*3630	*3630			*2080	*2080	20.26
7.5 m																	*7180	*7180	*6500	*6500	*5740	*5740	*4360	*4360			*2180	*2180	20.65
6.0 m															*8440	*8440	*7490	*7490	*5720	*5720	*6080	*6080	*5070	*5070	*2940	*2940	*2300	*2300	20.91
4.5 m											*12190	*12190	*10300	*10300	*8890	*8890	*7810	*7810	*6950	*6950	*6240	6010	*5640	4870	*3500	*3500	*2470	*2470	21.05
3.0 m					*18170	*18170	*21390	*21390	*16290	*16290	*13100	*13100	*10910	*10910	*9330	*9330	*8120	*8120	*7170	6890	*6390	5630	*5730	4590	*3950	3710	*2670	*2670	21.07
1.5 m					*10420	*10420	*21090	*21090	*17370	*17370	*13850	*13850	*11450	*11450	*9710	9580	*8390	7800	*7360	6400	*6510	5260	*5810	4310	*4250	3510	*2930	*2930	20.98
0 m			*5480	*5480	*9290	*9290	*16720	*16720	*18040	17340	*14370	13490	*11840	10800	*10000	8780	*8800	7210	*7500	5950	*6800	4910	*5840	4050	*4340	3320	*3250	2900	20.77
–1.5 m	*5980	*5980	*6870	*6870	*9740	*9740	*15180	*15180	*18270	15960	*14630	12400	*12070	9950	*10170	8120	*8720	6700	*7570	5550	*6630	4610	*5820	3820	*4120	3150	*3650	2890	20.43
–3.0 m	*7300	*7300	*8320	*8320	*10780	*10780	*15260	*15260	*18100	15080	*14610	11630	*12090	9310	*10200	7600	*8730	6280	*7550	5230	*6580	4360	*5730	3630			*4150	2950	19.97
–4.5 m	*8690	*8690	*9810	*9810	*12110	*12110	*16120	*16120	*17570	14600	*14330	11150	*11910	6870	*10070	7230	*8610	5980	*7420	4980	*6240	41720	*5530	3500			*4440	3080	19.37
–6.0 m	*10110	*10110	*11350	*11350	*13620	*13620	*16710	14400	*13760	10890	*13760	10890	*11510	8610	*9750	6990	*8330	5760	*7150	4820	*6130	4060							
–7.5 m	*11560	*11560	*12940	*12940	*15290	*15290	*17440	*17440	*15510	14430	*12910	10830	*10860	8510	*9920	6890	*7860	5890	*6700	4760	*5650	4030							
–9.0 m	*13050		*14610	*14610	*16790	*16790	*16810	*16810	*13960	*13960	*11740	10930	*9930	8560	*8440	6910	*7160	5710	*6010	4800									
–10.5 m			*16330	*16330	*16990	*16990	*14190	*14190	*12000	*12000	*10200	*10200	*8670	*8670	*7340	7070	*6140	5860											
–12 m					*12570	*12570	*10990	*10990	*9550	*9550	*8820	*8820	*8990	*8990	*5820	*5820													
– 13.5 m							*7090	*7090	*6460	*6460	*5640	*5640	*4720	*4720															

CATERPILLAR®