



# 330D L

Ultra-high Demolition



**CAT**<sup>®</sup>

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**Cat<sup>®</sup> C9 Engine with ACERT™ Technology**

**Net Power (ISO 9249) at 1800 rpm** 200 kW/270 hp

**Operating Weight (UHD)** 41 900 to 47 870 kg

**Maximum Pin Height** 21.3 m

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# 330D L Ultra-high Demolition

*Heavy-Duty and purpose built for your demolition job.*

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## Upper Frame and Counterweight

The heavy-duty upper frame handles increased loads and movements. Additional counterweight provides maximum stability throughout the recommended working range.

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## Undercarriage

Different undercarriage options are available to match your performance and transportation needs.

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## Engine

The Cat® C9 engine with ACERT™ Technology offers better fuel efficiency and reduced wear. It works at the point of combustion to optimize engine performance and provide low exhaust emissions. By combining ACERT Technology with the new Economy Mode and Power Management, customers can balance the demands of performance and fuel economy to suit their requirements and application.

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## Serviceability

Longer service intervals and easier maintenance result in better machine availability and lower owning and operating costs.

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## Booms, Sticks and Work Tools

The 330D Ultra-high demolition is equipped with a reliable and safe boom hook system that significantly reduces the time needed to change the front parts, providing increased uptime, production and versatility. To further increase the machine's versatility, various front part options are available. Besides the Ultra-high demolition configuration, a short two position retrofit boom nose as well as a long reach excavation front are available. To complete the configuration, purposely designed Caterpillar work tools are available.

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## Operator Station

The safe, roomy, quiet, automatically climate controlled tiltable cab has excellent sightlines to the work tool to help keep operator fatigue low and production up throughout the entire shift.

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## 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.

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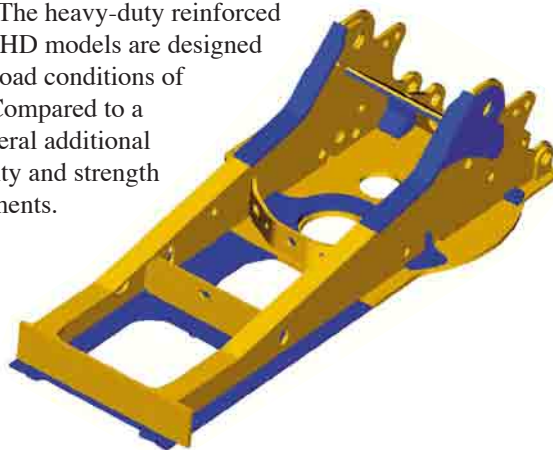
# Upper Frame and Counterweight

*Purposely designed and built for extreme conditions.*

**Reinforced Upper Frame.** The heavy-duty reinforced upper frames of the Cat UHD models are designed to withstand the extreme load conditions of demolition 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.

## Undercarriage

*Durable undercarriage absorbs stresses and provides excellent stability.*

**Undercarriage Options.** Five undercarriage options are available to choose the best machine for the application and business needs. A variety of standard and heavy-duty track shoes are available for various underfoot conditions.

**Long Undercarriage.** The long undercarriage (L) maximizes stability and lift capacity. A long, wide and sturdy undercarriage offers a very stable work platform.

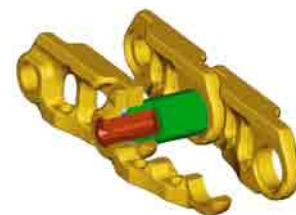
**Long Narrow Undercarriage.** The long and narrow undercarriage (LN) provides the best choice when ease of transport is important while maintaining excellent performance.

**Hydraulic Variable Gauge Undercarriage.** The hydraulic variable gauge undercarriage (HVG) increases the stability through increased track gauge in working position as well as by lowering the center of gravity of the machine. The non-bolt joint allows a change from shipping to working width, or reverse, in less than a minute. The hydraulic variable gauge undercarriage provides a shipping width of 3000 mm and a working width of 3420 mm (with 600 mm shoes).

**Heavy Duty High Wide Undercarriage.** The heavy-duty high wide undercarriage (HDHW) provides an increased over-the-side stability as well as increased ground clearance. Thicker carbody plates, plus larger box-section height team up to provide superior joint retention and durability in demolition applications.



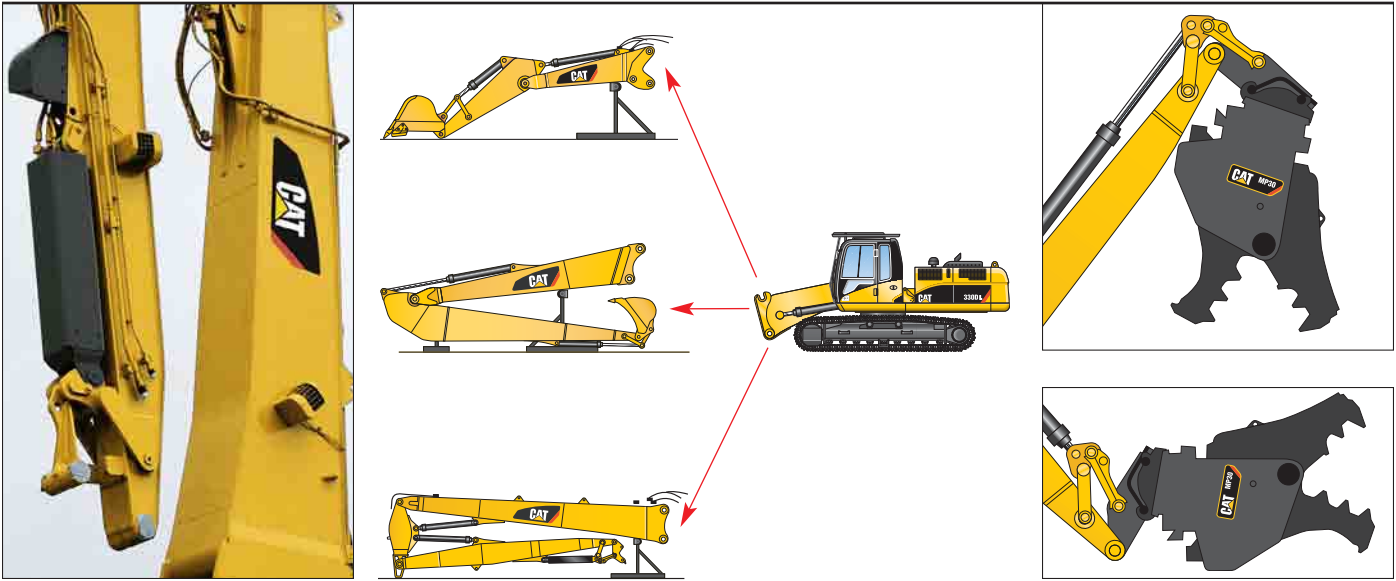
**ES – Extreme Service Undercarriage (345C L).** The 330D Ultra-high demolition can also be equipped with an upsized undercarriage. The 345C variable gauge heavy-duty, H-shaped long undercarriage provides ease of transport and a stable platform when working on a variety of sites. Another benefit of the 345C undercarriage is the increased ground clearance. With 600 mm track shoes, the track roller frames can be retracted to a transport width of less than three meters.



**Tracks.** The 330D comes standard with grease lubricated tracks. The track links are assembled and sealed with grease to decrease internal bushing wear, reduce travel noise and extend service life lowering operating costs.

# Booms and Sticks and Work Tools

*Maximum versatility gets the best out of your machine.*



**Boom Hook System.** The front parts are equipped with a reliable and safe hook system between the boom foot and boom nose. Compared to the traditional pin-mounted joint, the hook system significantly reduces the time needed to change between the Ultra-high front parts and the short retrofit configuration, or the long-reach excavation configuration. In principle, the boom hook system consists of a hook system to pick up the front parts and a mechanical expander pin to secure these front parts onto the boom foot. The absence of any hydraulic parts, as well as a full length heavy duty one-piece securing pin, ensure a safe and reliable operation. The operator has an excellent view of the hook system from the cab to ease changing the front parts.

**Retrofit Capability.** A short boom nose can be hooked onto the boom foot. To maximize the machine's extreme versatility, this boom nose can be put in two positions. The straight position is ideal for working in above ground level applications, such as low level demolition or sorting, and the bent position can be used for applications such as digging or truck loading. For long-reach digging and extracting applications, a two-piece long reach excavation front is available. This long reach front is also equipped with the boom-hook system as well as the hydraulic quick disconnects, ensuring a fast change of front parts. Optional medium pressure lines enable the use of tilting buckets.

**Hydraulic Quick Disconnects.** The hydraulic lines between boom foot and boom nose are fitted with hydraulic quick disconnects to even further reduce the time needed to change the front parts. Oil spillage and contamination is reduced through the quick disconnects flat-face design. New generation face-to-face ball valves are installed on auxiliary high pressure lines for an unmatched reliability.

**Dedicated Ultra-High Demolition Linkage.** Because Ultra-high demolition applications require a different working envelop than standard applications, a purpose designed linkage is standard on the Ultra-high demolition front parts. Besides providing an optimized working envelop, this linkage also greatly improves controllability in nearly every position.

**Tool Cylinder Protection.** To prevent damage to the tool cylinder rod caused by falling concrete and debris, the tool cylinder is equipped with a heavy duty metal cover. Thanks to its unique construction, the cover protects the cylinder rod in every position.

**Lowering Control Devices.** For increased safety and controllability lowering control devices are installed on boom, stick and tool cylinders. SmartBoom is standard on the 330D L UHD.

**Multi-Processors.** The Caterpillar Multi-Processors can be equipped with different jaw types depending on your need.

- CC-jaws combi cutter.
- CR-jaws concrete crusher.
- PP-jaws primary pulveriser.
- PS-jaws secondary pulveriser.
- TS-jaws tank shear.
- S-jaws steel.

**Demolition and Sorting Grapples.** The demolition and sorting grapple with unlimited left and right rotation is the ideal tool for stripping, sorting, handling and loading.

**Demolition Shears.** These shears can grab and pick material from a pile easily, without requiring movement of the base carrier. They are very efficient tools because of the high force to weight ratio. The blades are made of exceptionally long-wear alloy steel and have proven speed valves that improve cycle times.

## Operator Station

*Designed for comfort, safety and ease of operation.*



### **Hydraulically Tilttable Cab.**

The hydraulically tilttable cab tilts back from 0 to 30 degrees to further improve upward visibility and allows the operator to adopt a more comfortable body position. The tilttable cab is integrated into the upper frame and therefore does not increase the machine's shipping height. Because of the integration into the upper frame, no tilt parts are exposed to the demolition environment. To reduce vibrations and sound the cab shell is attached to the frame with viscous mounts.

**Climate Control.** Positive filtered ventilation with a pressurized cab is standard. Fresh air or re-circulated air can be selected with a switch on the right console.

**Controls.** The 330D uses pilot operated control levers, positioned so the operator can operate with arms on the armrests. The vertical stroke is longer than the horizontal, reducing operator fatigue. The control lever grips are shaped to fit into the operator's hands. The horn switch and one-touch low idle switch are positioned on the left and right grip.

**Implement Controls.** Easy to handle joysticks with integrated push buttons and sliding switches control all implement and swing functions. The sliding switches provide modulated control for hydro-mechanical tools and are designed to increase operator comfort and reduce operator fatigue.

**High Visibility Cab.** The laminated safety glass front window is one-piece with a bottom mounted parallel wiper for excellent visibility. For enhanced upward visibility the increased impact resistant top window extends completely to the rear and has a wiper and washer. The upper left side door window can slide open. The lower window provides visibility to the tracks and to the ground next to the machine. The rear window offers a good view behind and to the left, aided by a lower hood profile.

**Falling Object Guard.** An ISO 10262 certified falling object guard on top and front of the cab is standard. The crossbars of the top guard are angled in line with the operator's sight for enhanced visibility of the work tool. The front guard swings out for easier windshield cleaning.

## Engine

Cat C9 with ACERT Technology

Net Power at 1800 rpm

ISO 9249	200 kW/270 hp
80/1269/EEC	200 kW/270 hp

Bore	112 mm
Stroke	149 mm
Displacement	8.8 liters

- All engine horsepower (hp) are metric including front page.
- The C9 engine meets 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).

## Cab/FOGS

Cab/FOGS meets ISO 10262.

## Sound

### Operator Sound

The operator sound level measured according to the procedures specified in ISO 6394:1998 is 78 dB(A), for cab offered by Caterpillar.

### Exterior Sound

The labeled spectator sound power level measured according to the test procedures and conditions specified in 2005/88/EC is 105 dB(A).

## Drive

Maximum Travel Speed	5.0 km/h
Maximum Drawbar Pull	300 kN

## Swing Mechanism

Swing Speed	10 rpm
Swing Torque	109 kNm

## Hydraulic System

### Main System

Maximum flow	2 x 280 l/min
Maximum pressure	
Normal	350 bar
Heavy lift	360 bar
Travel	350 bar
Swing	280 bar

### Pilot System

Maximum flow	43 l/min
Maximum pressure	39 bar

## Service Refill Capacities

	Liters
Fuel Tank	620
Cooling System	40
Engine Oil	40
Swing Drive (each)	19
Final Drive (each)	8
Hydraulic system (including tank)	410
Hydraulic tank	310

## Work Tools Matching Guide

Without quick coupler		L	LN	HVG	HDHW	ES
		700 mm shoes	600 mm shoes	700 mm shoes	700 mm shoes	600 mm shoes
Multi-Processors	MP15 CC, CR, PP, S					
	MP20 CC, CR, S					
	MP20 PP					
	MP20 TS					
Crushers	VHC-30					
	VHC-40					
360° rotatable Shears	S320					
Grapples	G320					
	G320B-D					
With quick coupler						
Quick Coupler	CW-40					
	CW-45					
	CW-40S					
	CW-45S					
Multi-Processors	MP15 CC, CR, PP, S					
	MP20 CC, CR, PP, TS					
	MP20 S					
Crushers	VHC-30					
	VHC-40					
360° rotatable Shears	S320					
Grapples	G320					
	G320B-D					

■ 360° Working Range

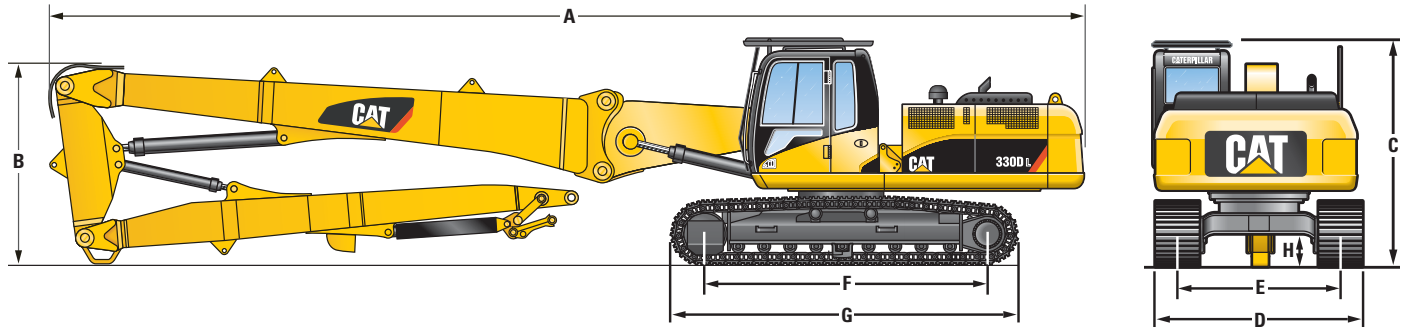
■ Over the front only

■ Recommended

■ Available

## Dimensions and Weights – UHD Configuration

With ultra-high demolition front. All dimensions and weights are approximate.



		L	LN	HVG	HDHW	ES
<b>A</b> Shipping length	mm	15 105	15 105	15 105	15 105	15 105
<b>B</b> Boom height	mm	2870	2870	2860	2920	2900
<b>C</b> Cab height* (with FOGS)	mm	3360	3360	3410	3590	3560
<b>D</b> Transport width	mm	3360	3360	3410	3590	3560
with 600 mm shoes	mm	3190	2990	2990	–	2990
with 700 mm shoes	mm	3290	–	3100	3620	–
<b>E</b> Track gauge						
Fully retracted (if applicable)	mm	2590	2390	2390	2920	2390
Fully extended (if applicable)	mm	2590	2390	2820	2920	2890
<b>F</b> Length to center of roller	mm	4040	4040	4040	4040	4340
<b>G</b> Track length	mm	5020	5020	5020	5020	5340
<b>H</b> Ground clearance	mm	510	510	480	720	740
Weight**	kg	42 355	41 905	47 550	43 930	46 935

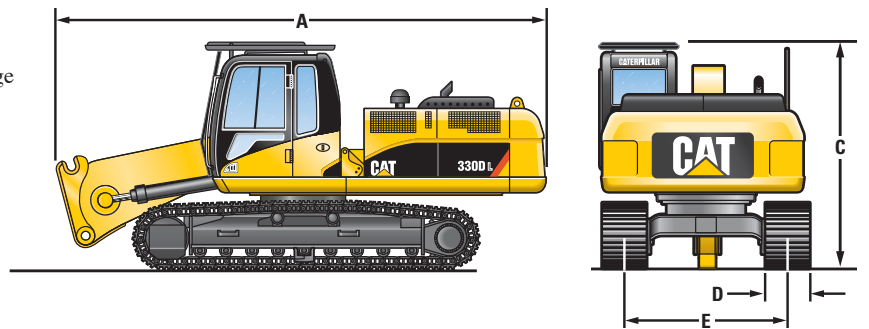
\* The hydraulically tiltable cab does not increase the shipping height.

\*\* With ultra-high demolition front parts, undercarriage, tiltable cab, FOG and full fuel tank.

## Dimensions and Weights – Base Machine

Ultra-high demolition front parts, retrofit configurations, counterweight. All dimensions and weights are approximate.

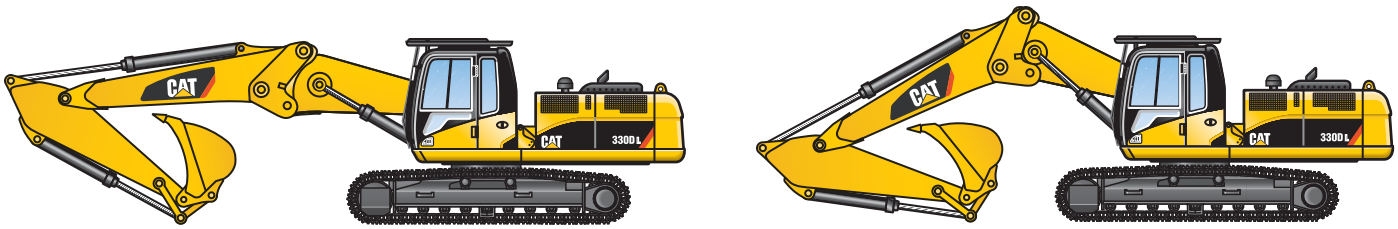
- L** 330D with Long undercarriage
- LN** 330D with Long Narrow undercarriage
- HVG** 330D with Hydraulic Variable Gauge undercarriage
- HDHW** 330D with Heavy Duty High Wide undercarriage
- ES** 330D with 345C L undercarriage



		L	LN	HVG	HDHW	ES
<b>A</b> Length	mm	7165	7165	7565	7165	7165
<b>C</b> Height (with FOGS)	mm	3360	3360	3410	3590	3560
<b>D</b> Track shoe width	mm	700	600	600	700	600
<b>E</b> Narrow gauge	mm	2590	2390	2390	2920	2390
Working gauge	mm	2590	2390	2820	2920	2890
Weight	kg	34 205	33 755	39 400	35 780	38 785

## Dimensions and Weights – Retrofit Configurations

With retrofit boom nose in straight and bent position. All dimensions and weights are approximate.



Stick length	mm	<b>2150</b>	<b>2800</b>	<b>3200</b>	<b>3900</b>
Bucket capacity	m <sup>3</sup>	1.93	1.84	1.84	1.84
Shipping height (with L undercarriage)					
Straight position	mm	3921	3943	3861	3909
Bent position	mm	3506	3614	3652	3909
Shipping length*					
Straight position	mm	11 685	11 476	11 438	11 445
Bent position	mm	12 515	12 138	12 126	12 054
Operating weight with retrofit boom nose					
L undercarriage	kg	41 440	40 868	40 943	41 089
LN undercarriage	kg	40 991	40 419	40 494	40 640
HVG undercarriage	kg	46 633	46 061	46 136	46 282
HDHW undercarriage	kg	43 015	42 443	42 518	42 664
ES undercarriage	kg	46 020	45 448	45 523	45 669
Ground pressure					
L undercarriage (700 mm shoes)	bar	0.67	0.66	0.67	0.67
LN undercarriage (600 mm shoes)	bar	0.78	0.77	0.77	0.77
HVG undercarriage (600 mm shoes)	bar	0.88	0.87	0.88	0.88
HDHW undercarriage (600 mm shoes)	bar	0.70	0.69	0.69	0.69
ES undercarriage (700 mm shoes)	bar	0.82	0.81	0.81	0.81

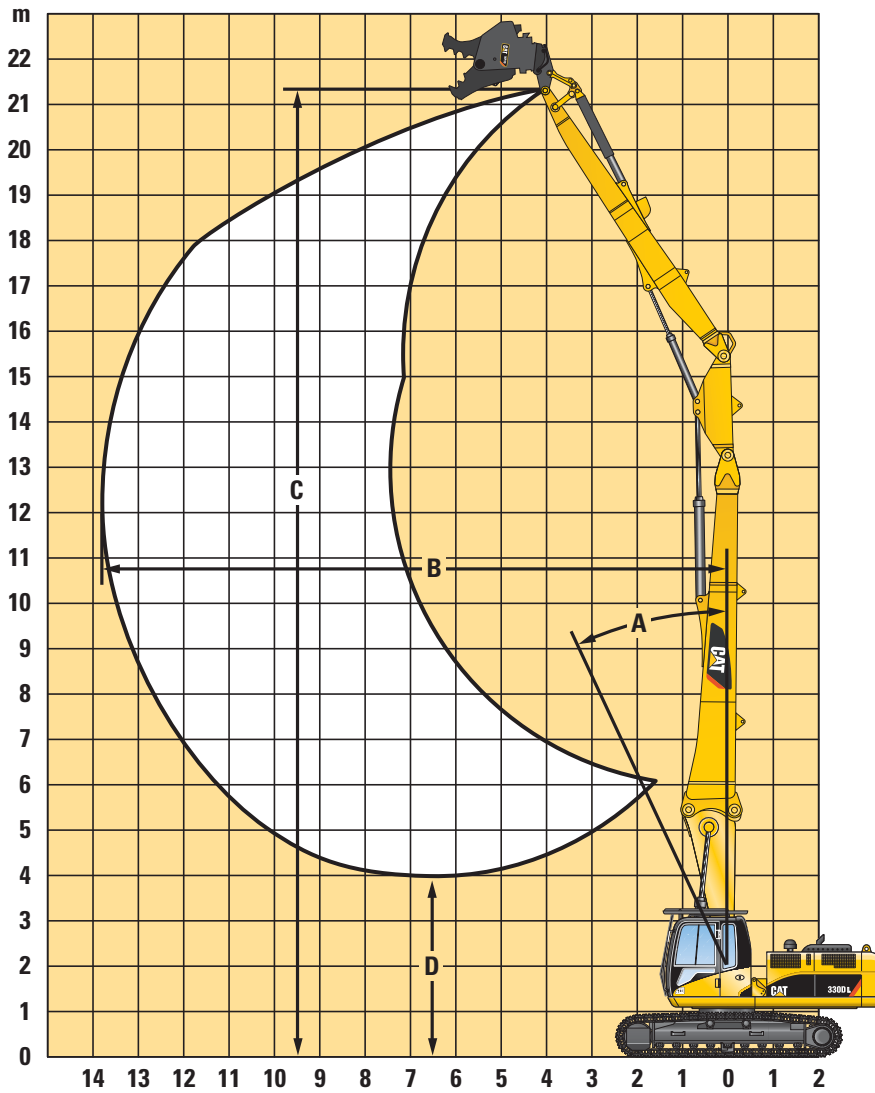
\* With stick cylinder extended. Retracting the stick cylinder might decrease the shipping height but will increase shipping length.

- L** 330D with Long undercarriage
- LN** 330D with Long Narrow undercarriage
- HVG** 330D with Hydraulic Variable Gauge undercarriage
- HDHW** 330D with Heavy Duty High Wide undercarriage
- ES** 330D with 345C L undercarriage



# Working Ranges – Front

With Ultra-high demolition front.



<b>A</b>	Maximum allowable angle from vertical	25°
<b>B</b>	Maximum allowable horizontal reach	13 850 mm
<b>C</b>	Maximum vertical pin height	
	L, LN	21 065 mm
	HVG	21 115 mm
	HDHW	21 295 mm
	ES	21 265 mm
<b>D</b>	Minimum pin height	
	L, LN	3820 mm
	HVG	3875 mm
	HDHW	4055 mm
	ES	4025 mm

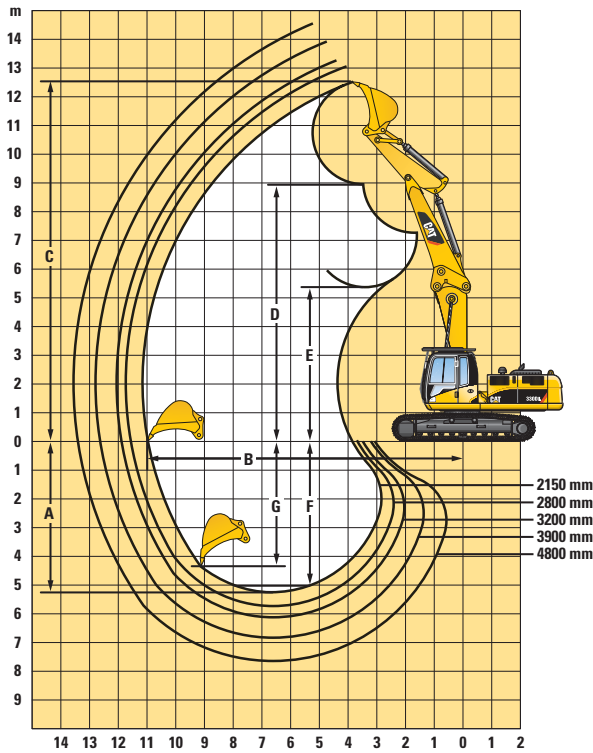
Maximum tool weight*		
L undercarriage		
	Over front	3000 kg
	Over side	1800 kg
LN undercarriage		
	Over front	3000 kg
	Over side	not authorized
HVG undercarriage		
	Over front	3000 kg
	Over side	2700 kg
HDHW undercarriage		
	Over front	3000 kg
	Over side	2450 kg
ES undercarriage		
	Over front	3000 kg
	Over side	2700 kg

\* Weight includes mounting bracket and quick coupler (if any). Design of the mounting bracket and quick coupler is critical. Distance between stick nose and center of gravity cannot exceed 1500 mm.

- L** 330D with Long undercarriage
- LN** 330D with Long Narrow undercarriage
- HVG** 330D with Hydraulic Variable Gauge undercarriage
- HDHW** 330D with Heavy Duty High Wide undercarriage
- ES** 330D with 345C L undercarriage

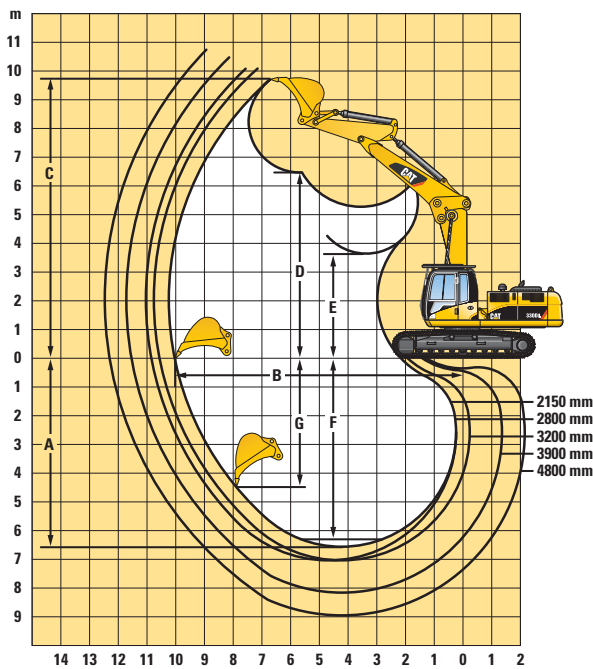
# Working Ranges – Retrofit Configurations

330D L with retrofit boom in straight and bent position.



## Straight Position

Stick Length	mm	<b>2150</b>	<b>2800</b>	<b>3200</b>	<b>3900</b>
<b>A</b> Maximum Digging Depth	mm	-4465	-4979	-5379	-6079
<b>B</b> Maximum Reach at Ground Level	mm	11298	11870	12209	12933
<b>C</b> Maximum Cutting Height	mm	12778	13359	13562	14219
<b>D</b> Maximum Loading Height	mm	9016	9838	10043	10698
<b>E</b> Minimum Loading Height	mm	5454	4989	4474	3844
<b>F</b> Maximum Digging Depth 2.5 m Level Bottom	mm	-4273	-4809	-5223	-5941
<b>G</b> Maximum Vertical Wall Digging Depth	mm	-3628	-4060	-4432	-5083
Bucket Digging Force (ISO 6015)	kN	227.9	186.4	186.4	186.4
Stick Digging Force (ISO 6015)	kN	211.5	178.7	161.2	140.6
Bucket Size	m <sup>3</sup>	1.9	1.8	1.8	1.8
Tip Radius	mm	1897	1761	1761	1761

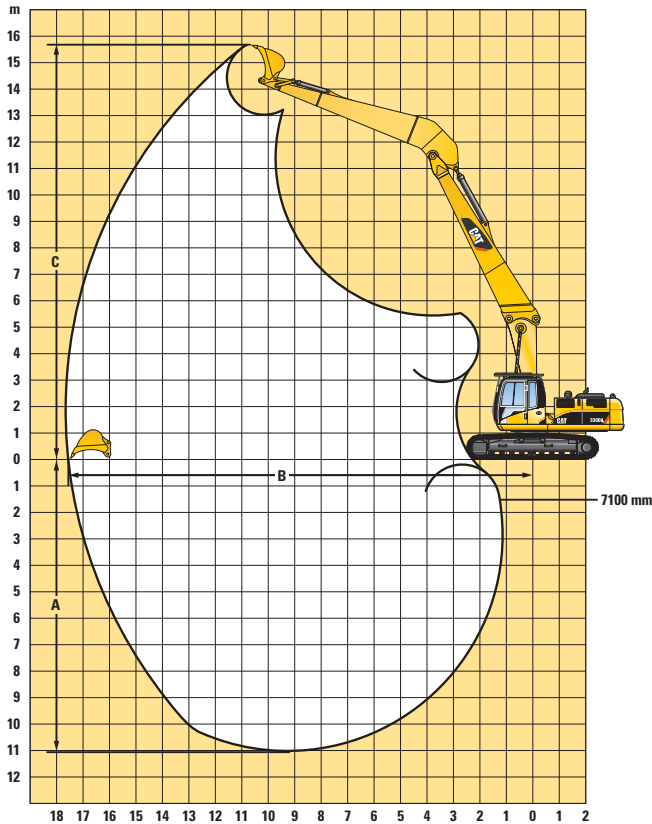


## Bent Position

Stick Length	mm	<b>2150</b>	<b>2800</b>	<b>3200</b>	<b>3900</b>
<b>A</b> Maximum Digging Depth	mm	-6029	-6542	-6942	-7642
<b>B</b> Maximum Reach at Ground Level	mm	10374	10949	11239	11951
<b>C</b> Maximum Cutting Height	mm	9939	10508	10431	10886
<b>D</b> Maximum Loading Height	mm	6626	7257	7243	7655
<b>E</b> Minimum Loading Height	mm	3370	3256	2856	2156
<b>F</b> Maximum Digging Depth 2.5 m Level Bottom	mm	-5833	-6372	-6786	-7505
<b>G</b> Maximum Vertical Wall Digging Depth	mm	-4459	-5497	-5509	-6402
Bucket Digging Force (ISO 6015)	kN	227.9	186.4	186.4	186.4
Stick Digging Force (ISO 6015)	kN	211.5	178.7	161.	140.6
Bucket Size	m <sup>3</sup>	1.9	1.8	1.8	1.8
Tip Radius	mm	1897	1761	1761	1761

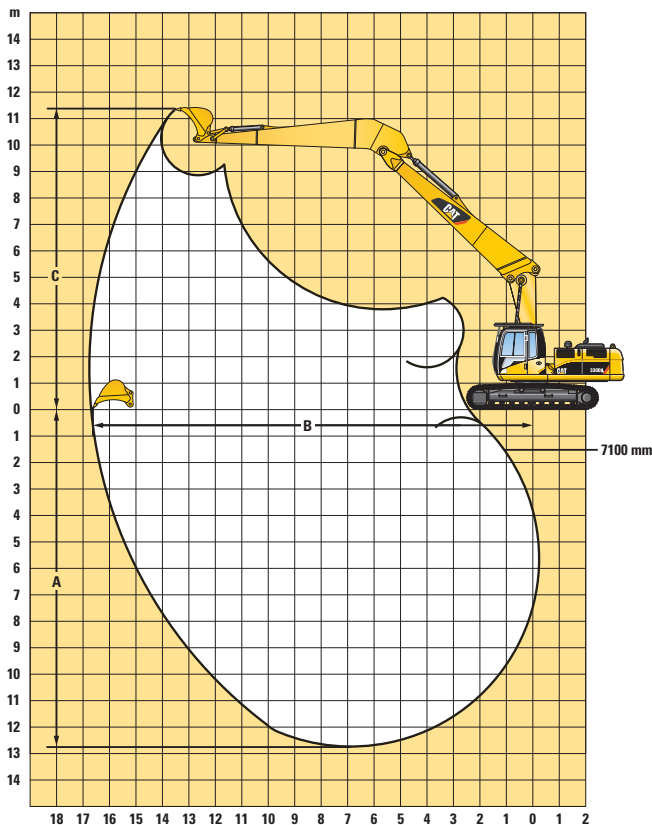
# Working Ranges – 330D HVG Long Reach Excavation

Hydraulic Variable Gauge (HVG) undercarriage with 10 000 mm retrofit boom and 7100 mm long reach stick.



## Straight Position

Stick Length	mm	<b>7100</b>
<b>A</b> Maximum Digging Depth	mm	11 081
<b>B</b> Maximum Reach at Ground Level	mm	17 583
<b>C</b> Maximum Cutting Height	mm	15 683
Bucket Digging Force	kN	121.6
Stick Digging Force	kN	100.2
Tip Radius	mm	1390



## Bent Position

Stick Length	mm	<b>7100</b>
<b>A</b> Maximum Digging Depth	mm	12 744
<b>B</b> Maximum Reach at Ground Level	mm	16 695
<b>C</b> Maximum Cutting Height	mm	11 348
Bucket Digging Force (ISO 6015)	kN	121.6
Stick Digging Force (ISO 6015)	kN	100.2
Tip Radius	mm	1390

# Lift Capacities – 330D L

Long (L) undercarriage with retrofit boom in straight and bent position. All weights are in kg. Heavy lift on.

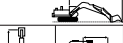















## Straight Position

**Short Stick**  
2150 mm

**Shoes**  
700 mm

**Bucket Capacity (SAE)**  
1.9 m<sup>3</sup>

**Bucket Weight**  
1986 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
															
10.5 m					*9260	*9260							*7260	*7260	6.95
9.0 m							*10660	10570					*6550	5200	8.7
7.5 m					*14420	*14420	*12000	10440	*9910	6700			*6250	3850	9.8
6.0 m					*16970	16050	*12660	9800	*10150	6480	7590	4320	5740	3130	10.5
4.5 m							*13400	8830	10420	6050	7460	4200	5190	2730	10.91
3.0 m							*13700	7860	9880	5570	7230	3990	4950	2550	11.06
1.5 m							*13130	7220	9460	5190	7020	3790	4980	2550	10.96
0 m							*11730	6990	9220	4970	6890	3680	*4420	2730	10.61
-1.5 m							*9670	7030	*7990	4940	*5800	3700			
-3.0 m									*5610	5110					

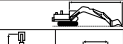















## Bent Position

**Short Stick**  
2150 mm

**Shoes**  
700 mm

**Bucket Capacity (SAE)**  
1.9 m<sup>3</sup>

**Bucket Weight**  
1986 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
															
9.0 m													*6420	*6420	7.45
7.5 m													*6170	5350	8.74
6.0 m							*10040	*10040	*8670	6860			*6190	4200	9.54
4.5 m					*15230	*15230	*11250	9750	*9210	6530			*6380	3580	9.99
3.0 m							*12520	8760	*9840	6060	7470	4200	5990	3260	10.15
1.5 m							*13370	7950	9930	5620	7250	4010	5950	3190	10.04
0 m					*16450	11490	*13540	7490	9590	5310			6290	3370	9.65
-1.5 m		*12200	*12200	*16750	11590	*12950	7340	9460	5190				*6940	3910	8.95
-3.0 m				*14610	11930	*11460	7470								
-4.5 m						*8320	7940								

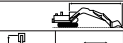















## Straight Position

**Medium Short Stick**  
2800 mm

**Shoes**  
700 mm

**Bucket Capacity (SAE)**  
1.8 m<sup>3</sup>

**Bucket Weight**  
1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
															
12.0 m													*5510	*5510	5.23
10.5 m					*8500	*8500							*5410	*5410	7.92
9.0 m					*10230	*10230	*9010	7150					*4830	4710	9.47
7.5 m					*10820	*10820	*9920	7220	*7730	4800			*4540	3670	10.49
6.0 m		*14100	*14100	*12600	10430	*10250	6980	8100	4820				*4410	3090	11.16
4.5 m				*13550	9570	*10680	6570	7920	4650				*4400	2750	11.56
3.0 m				*14200	8660	10430	6110	7660	4420	5760	3180	*4480	2600	11.71	
1.5 m				*14080	7980	9990	5710	7430	4200	5680	3110	*4660	2580	11.64	
0 m				*13080	7640	9700	5460	7270	4060				*4590	2720	11.34
-1.5 m		*10390	*10390	*11310	7570	*9130	5360	*6990	4010						
-3.0 m				*8770	7710	*7120	5430	*4810	4120						

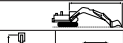















## Bent Position

**Medium Short Stick**  
2800 mm

**Shoes**  
700 mm

**Bucket Capacity (SAE)**  
1.8 m<sup>3</sup>

**Bucket Weight**  
1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
															
9.0 m													*4690	*4690	8.27
7.5 m									*8230	7500			*4450	*4450	9.45
6.0 m									*8510	7400			*4390	4030	10.2
4.5 m					*14520	*14520	*11030	10440	*9160	7050	*8050	4880	*4470	3510	10.64
3.0 m					*17600	14630	*12500	9510	*9930	6590	7940	4670	*4670	3240	10.81
1.5 m					*14610	13060	*13650	8680	10460	6130	7680	4440	*5020	3160	10.73
0 m					*15980	12420	*14130	8130	10070	5780	7470	4240	*5540	3280	10.39
-1.5 m		*10420	*10420	*18430	12300	*13850	7880	9860	5590	7380	4160	*6360	3660	9.76	
-3.0 m		*17810	*17810	*16560	12450	*12710	7880	*9720	5580				*5850	4480	8.79
-4.5 m				*13430	12880	*10300	8130								



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.

### Straight Position

#### Medium Stick

3200 mm

#### Shoes















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
12.0 m														*5150	*5150	6.11
10.5 m					*8650	*8650								*4180	*4180	8.46
9.0 m					*9040	*9040	*8490	7360						*3760	*3760	9.9
7.5 m					*9300	*9300	*9460	7360	*7630	4960				*3550	3420	10.87
6.0 m			*11290	*11290	*11330	10630	*9990	7090	8200	4910				*3470	2890	11.52
4.5 m			*18080	15550	*13210	9770	*10470	6670	7980	4710	5900	3310		*3480	2580	11.9
3.0 m					*14020	8830	10520	6180	7700	4450	5800	3220		*3580	2420	12.05
1.5 m					*14140	8080	10040	5750	7440	4210	5690	3110		*3760	2400	11.98
0 m			*7110	*7110	*13400	7650	9700	5450	7250	4030	5610	3040		*4050	2520	11.68
-1.5 m			*11680	*11680	*11860	7520	*9460	5310	7160	3950				*3720	2800	11.14
-3.0 m					*9540	7600	*7680	5340	*5570	4000						

### Bent Position

#### Medium Stick

3200 mm

#### Shoes















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
9.0 m														*3660	*3660	8.67
7.5 m									*7740	7700				*3490	*3490	9.79
6.0 m									*8090	7540	*5910	5100		*3470	*3470	10.51
4.5 m							*10490	*10490	*8790	7170	*7750	4970		*3560	3350	10.93
3.0 m					*16760	15150	*12040	9710	*9620	6680	8010	4730		*3760	3080	11.09
1.5 m					*18930	13410	*13330	8820	*10360	6190	7720	4470		*4080	2990	11.01
0 m					*18290	12540	*14000	8190	10100	5800	7480	4250		*4570	3090	10.68
-1.5 m			*11150	*11150	*18840	12270	*13940	7870	9830	5570	7340	4110		*5320	3410	10.08
-3.0 m			*17130	*17130	*17250	12330	*13050	7800	9770	5510				*5820	4100	9.15
-4.5 m			*18890	*18890	*14490	12670	*11060	7970	*7980	5680						

### Straight Position

#### Long Stick

3900 mm

#### Shoes















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
12.0 m														*3870	*3870	7.6
10.5 m							*6310	*6310						*3210	*3210	9.51
9.0 m							*7110	*7110	*5610	5080				*2880	*2880	10.78
7.5 m					*6790	*6790	*7330	*7330	*7050	5160				*2700	*2700	11.67
6.0 m					*7780	*7780	*8180	7290	*7930	5040	*5990	3480		*2620	2460	12.27
4.5 m			*16830	16460	*12080	10130	*10030	6840	8090	4800	6000	3390		*2610	2210	12.62
3.0 m					*13550	9140	*10540	6310	7780	4510	5840	3250		*2670	2070	12.76
1.5 m					*14050	8270	10130	5820	7460	4220	5680	3090		*2800	2050	12.7
0 m			*7990	*7990	*13740	7700	9710	5450	7210	3990	5550	2970		*3010	2140	12.42
-1.5 m			*10890	*10890	*12610	7440	9480	5230	7070	3860	5490	2920		*3320	2360	11.92
-3.0 m			*12940	11880	*10680	7420	*8480	5190	*6450	3840	*3900	2990				
-4.5 m					*7870	7590	*6200	5300								

### Bent Position

#### Long Stick

3900 mm

#### Shoes















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
9.0 m														*2780	*2780	9.59
7.5 m									*4450	*4450				*2640	*2640	10.59
6.0 m									*6620	5320				*2610	*2610	11.25
4.5 m							*8080	7380	*7190	5120				*2660	*2660	11.64
3.0 m			*15160	*15160	*11130	10060	*9000	6860	*7690	4840	*4890	3400		*2800	2680	11.8
1.5 m			*17910	14050	*12650	9080	*9870	6310	7790	4530	*5560	3250		*3030	2590	11.72
0 m	*6430	*6430	*19220	12820	*13640	8330	10170	5850	7490	4250	*4810	3110		*3380	2650	11.42
-1.5 m	*10010	*10010	*19210	12270	*13930	7870	9810	5540	7280	4060				*3920	2890	10.86
-3.0 m	*14510	*14510	*18150	12150	*13450	7680	9650	5390	7210	3990				*4760	3390	10.01
-4.5 m	*19150	*19150	*16000	12340	*12030	7730	*9090	5440						*4990	4420	8.77
-6.0 m			*12250	*12250	*9080	8070										

# Lift Capacities – 330D LN

Long Narrow (LN) undercarriage with retrofit boom in straight and bent position. All weights are in kg. Heavy lift on.

## Straight Position

### Short Stick

2150 mm

### Shoes

600 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
10.5 m					*9260	*9260							*7260	*7260	6.95
9.0 m							*10660	9610					*6550	4660	8.7
7.5 m					*14420	*14420	*12000	9470	*9910	6020			*6250	3400	9.8
6.0 m					*16970	14450	*12660	8840	*10150	5810	7490	3810	5660	2720	10.5
4.5 m							*13400	7900	10290	5390	7360	3690	5110	2340	10.91
3.0 m							*13700	6950	9760	4920	7130	3480	4880	2160	11.06
1.5 m							*13130	6320	9330	4540	6920	3290	4900	2160	10.96
0 m							*11730	6100	9090	4330	6790	3170	*4420	2330	10.61
-1.5 m							*9670	6140	*7990	4300	*5800	3190			
-3.0 m									*5610	4460					

## Bent Position

### Short Stick

2150 mm

### Shoes

600 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0 m													*6420	*6420	7.45
7.5 m													*6170	4800	8.74
6.0 m							*10040	9620	*8670	6190			*6190	3730	9.54
4.5 m					*15230	13990	*11250	8800	*9210	5860			6300	3130	9.99
3.0 m							*12520	7830	*9840	5400	7370	3700	5910	2830	10.15
1.5 m							*13370	7040	9810	4960	7160	3500	5870	2760	10.04
0 m					*16450	10040	*13540	6580	9470	4660			6200	2920	9.65
-1.5 m			*12200	*12200	*16750	10140	*12950	6440	9330	4540			*6940	3400	8.95
-3.0 m					*14610	10470	*11460	6570							
-4.5 m							*8320	7030							

## Straight Position

### Medium Short Stick

2800 mm

### Shoes

600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
12.0 m													*5510	*5510	5.23
10.5 m					*8500	*8500							*5410	*5410	7.92
9.0 m					*10230	10200	*9010	6480					*4830	4220	9.47
7.5 m					*10820	10030	*9920	6550	*7730	4290			*4540	3250	10.49
6.0 m			*14100	*14100	*12600	9470	*10250	6310	8000	4310			*4410	2710	11.16
4.5 m					*13550	8630	*10680	5910	7820	4140			*4400	2390	11.56
3.0 m					*14200	7740	10310	5450	7570	3910	5680	2770	*4480	2240	11.71
1.5 m					14050	7070	9870	5060	7330	3700	5600	2700	*4660	2220	11.64
0 m					*13080	6740	9580	4810	7170	3550			*4590	2350	11.34
-1.5 m			*10390	*10390	*11310	6680	*9130	4720	*6990	3510					
-3.0 m					*8770	6810	*7120	4790	*4810	3610					

## Bent Position

### Medium Short Stick

2800 mm

### Shoes

600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0 m													*4690	*4690	8.27
7.5 m									*8230	6820			*4450	*4450	9.45
6.0 m									*8510	6720			*4390	3600	10.2
4.5 m					*14520	*14520	*11030	9480	*9160	6380	*8050	4360	*4470	3110	10.64
3.0 m					*17600	13090	*12500	8570	*9930	5920	7840	4160	*4670	2840	10.81
1.5 m					*14610	11570	*13650	7760	10330	5470	7580	3930	*5020	2760	10.73
0 m					*15980	10960	*14130	7220	9940	5130	7370	3740	*5540	2870	10.39
-1.5 m			*10420	*10420	*18430	10830	*13850	6980	9730	4940	7280	3660	*6360	3210	9.76
-3.0 m			*17810	*17810	*16560	10990	*12710	6970	*9720	4940			*5850	3960	8.79
-4.5 m					*13430	11400	*10300	7220							



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.

**Straight Position**

**Medium Stick**

3200 mm

**Shoes**

600 mm

**Bucket Capacity (SAE)**

1.8 m<sup>3</sup>

**Bucket Weight**

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
12.0 m													*5150	*5150	6.11
10.5 m					*8650	*8650							*4180	*4180	8.46
9.0 m					*9040	*9040	*8490	6690					*3760	*3760	9.9
7.5 m					*9300	*9300	*9460	6680	*7630	4450			*3550	3030	10.87
6.0 m			*11290	*11290	*11330	9670	*9990	6420	8100	4390			*3470	2520	11.52
4.5 m			*18080	13980	*13210	8830	*10470	6000	7880	4200	5820	2890	*3480	2230	11.9
3.0 m					*14020	7910	10390	5520	7610	3950	5720	2810	*3580	2080	12.05
1.5 m					*14140	7170	9910	5100	7340	3710	5600	2700	*3760	2060	11.98
0 m			*7110	*7110	*13400	6750	9580	4800	7150	3530	5530	2630	*4050	2160	11.68
-1.5 m			*11680	10450	*11860	6620	9430	4670	7060	3450			*3720	2420	11.14
-3.0 m					*9540	6700	*7680	4700	*5570	3500					

**Bent Position**

**Medium Stick**

3200 mm

**Shoes**

600 mm

**Bucket Capacity (SAE)**

1.8 m<sup>3</sup>

**Bucket Weight**

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
9.0 m													*3660	*3660	8.67
7.5 m									*7740	7020			*3490	*3490	9.79
6.0 m									*8090	6860	*5910	4590	*3470	3420	10.51
4.5 m							*10490	9700	*8790	6500	*7750	4460	*3560	2950	10.93
3.0 m					*16760	13600	*12040	8760	*9620	6020	7910	4220	*3760	2700	11.09
1.5 m					*18930	11910	*13330	7900	*10360	5540	7620	3960	*4080	2610	11.01
0 m					*18290	11070	*14000	7280	9980	5150	7380	3740	*4570	2680	10.68
-1.5 m			*11150	*11150	*18840	10800	13930	6960	9710	4920	7240	3610	*5320	2970	10.08
-3.0 m			*17130	*17130	*17250	10870	*13050	6890	9640	4860			*5820	3610	9.15
-4.5 m			*18890	*18890	*14490	11200	*11060	7070	*7980	5030					

**Straight Position**

**Long Stick**

3900 mm

**Shoes**

600 mm

**Bucket Capacity (SAE)**

1.8 m<sup>3</sup>

**Bucket Weight**

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
12.0 m					*5810	*5810							*3870	*3870	7.6
10.5 m							*6310	*6310					*3210	*3210	9.51
9.0 m							*7110	6980	*5610	4560			*2880	*2880	10.78
7.5 m					*6790	*6790	*7330	6910	*7050	4650			*2700	2530	11.67
6.0 m					*7780	*7780	*8180	6620	*7930	4520	*5990	3060	*2620	2130	12.27
4.5 m			*16830	14860	*12080	9180	*10030	6170	8000	4290	5920	2980	*2610	1880	12.62
3.0 m					*13550	8210	*10540	5650	7680	4000	5760	2830	*2670	1750	12.76
1.5 m					*14050	7360	10000	5170	7370	3720	5600	2680	*2800	1730	12.7
0 m			*7990	*7990	*13740	6800	9590	4800	7120	3490	5470	2560	*3010	1810	12.42
-1.5 m			*10890	10290	*12610	6540	9350	4590	6970	3360	5410	2510	*3320	2010	11.92
-3.0 m			*12940	10430	*10680	6520	*8480	4540	*6450	3340	*3900	2580			
-4.5 m					*7870	6690	*6200	4660							

**Bent Position**

**Long Stick**

3900 mm

**Shoes**

600 mm

**Bucket Capacity (SAE)**

1.8 m<sup>3</sup>

**Bucket Weight**

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
9.0 m													*2780	*2780	9.59
7.5 m									*4450	*4450			*2640	*2640	10.59
6.0 m									*6620	4800			*2610	*2610	11.25
4.5 m							*8080	6700	*7190	4610			*2660	2540	11.64
3.0 m			*15160	14460	*11130	9110	*9000	6190	*7690	4320	*4890	2990	*2800	2320	11.8
1.5 m			*17910	12530	*12650	8150	*9870	5650	7700	4020	*5560	2830	*3030	2230	11.72
0 m	*6430	*6430	*19220	11340	*13640	7410	10040	5200	7390	3740	*4810	2700	*3380	2280	11.42
-1.5 m	*10010	*10010	*19210	10810	*13930	6960	9690	4890	7180	3550			*3920	2490	10.86
-3.0 m	*14510	*14510	*18150	10690	*13450	6780	9520	4740	7110	3480			*4760	2950	10.01
-4.5 m	*19150	*19150	*16000	10870	*12030	6830	*9090	4790					*4990	3900	8.77
-6.0 m			*12250	11360	*9080	7160									

# Lift Capacities – 330D HVG

Hydraulic Variable Gauge (HVG) undercarriage with retrofit boom in straight and bent position. All weights are in kg. Heavy lift on.

## Straight Position

### Short Stick

2150 mm

### Shoes

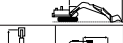















600 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
10.5 m					*9290	*9290								*7220	*7220	7.03
9.0 m							*10790	*10790						*6540	6440	8.74
7.5 m					*14530	*14530	*12020	*12020	*9920	8300				*6240	4930	9.83
6.0 m					*17030	*17030	*12690	11980	*10160	8060	*8420	5560		*6160	4130	10.52
4.5 m							*13420	10990	*10460	7620	*8470	5440	6070	3690	10.92	
3.0 m							*13700	9990	*10570	7140	8360	5220	5830	3500	11.06	
1.5 m							*13090	9360	*10280	6750	*8060	5020	*5240	3520	10.95	
0 m							*11660	9130	*9430	6540	*7270	4910	*4380	3750	10.59	
-1.5 m							*9580	9190	*7920	6510	*5730	4930				

## Bent Position

### Short Stick

2150 mm

### Shoes

















600 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
9.0 m														*6400	*6400	7.5
7.5 m														*6170	*6170	8.78
6.0 m							*10080	*10080	*8690	8460				*6190	5330	9.56
4.5 m					*15330	*15330	*11290	*11290	*9230	8110				*6400	4650	10
3.0 m							*12560	10920	*9870	7630	*8250	5440	*6770	4320	10.15	
1.5 m							*13390	10100	*10340	7190	8380	5240	6950	4270	10.03	
0 m					*16720	14880	*13530	9630	*10450	6880			*7160	4520	9.63	
-1.5 m			*12600	*12600	*16690	15000	*12910	9500	*9970	6760			*6920	5190	8.92	
-3.0 m					*14510	*14510	*11390	9640								
-4.5 m							*8150	*8150								

## Straight Position

### Medium Short Stick

2800 mm

### Shoes

















600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5				m	
																
12.0 m														*5580	*5580	5.37
10.5 m					*8510	*8510								*5380	*5380	7.99
9.0 m					*10340	*10340	*9070	8770						*4820	*4820	9.51
7.5 m					*10850	*10850	*9930	8820	*7960	6050				*4540	*4540	10.52
6.0 m			*14570	*14570	*12630	12620	*10270	8570	*8650	6060				*4410	4020	11.18
4.5 m					*13580	11740	*10690	8140	*8790	5890				*4400	3650	11.57
3.0 m					*14210	10800	*10990	7670	8790	5650	6690	4200	*4480	3480	11.72	
1.5 m					*14060	10120	*10920	7270	8550	5430	*6610	4120	*4670	3480	11.64	
0 m					*13030	9780	*10320	7020	*8090	5290			*4560	3660	11.32	
-1.5 m			*10630	*10630	*11230	9720	*9080	6930	*6930	5240						
-3.0 m					*8660	*8660	*7030	7010	*4700	*4700						

## Bent Position

### Medium Short Stick

2800 mm

### Shoes

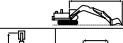















600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
9.0 m														*4670	*4670	8.32
7.5 m									*8230	*8230				*4440	*4440	9.48
6.0 m									*8530	*8530				*4390	*4390	10.22
4.5 m					*14630	*14630	*11080	*11080	*9190	8630	*8060	6120	*4480	*4480	10.65	
3.0 m					*17690	*17690	*12550	11670	*9960	8160	*8410	5910	*4680	4220	10.81	
1.5 m					*14520	*14520	*13680	10830	*10600	7700	*8690	5670	*5030	4160	10.72	
0 m					*16120	15830	*14130	10280	*10910	7350	8600	5480	*5570	4330	10.37	
-1.5 m			*10670	*10670	*18380	15700	*13820	10030	*10690	7160	*8220	5390	*6400	4800	9.74	
-3.0 m			*17820	*17820	*16480	15880	*12650	10040	*9660	7160			*5780	*5780	8.75	
-4.5 m					*13290	*13290	*10180	*10180								



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.



## Straight Position

### Medium Stick

3200 mm

### Shoes

















600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
															
12.0 m			*8380	*8380									*5090	*5090	6.23
10.5 m					*8680	*8680							*4160	*4160	8.52
9.0 m					*9040	*9040	*8540	*8540					*3750	*3750	9.94
7.5 m					*9330	*9330	*9490	8960	*7730	6210			*3550	*3550	10.9
6.0 m			*11550	*11550	*11470	*11470	*10010	8680	*8470	6150			*3470	*3470	11.53
4.5 m			*18160	*18160	*13250	11950	*10490	8240	*8650	5940	*6700	4320	*3480	3440	11.91
3.0 m					*14040	10980	*10860	7750	*8780	5690	6730	4230	*3580	3280	12.05
1.5 m					*14130	10220	*10910	7310	8570	5440	6610	4120	*3770	3270	11.97
0 m			*7240	*7240	*13360	9800	*10470	7010	*8250	5260	*6180	4050	*4060	3420	11.67
-1.5 m			*11870	*11870	*11790	9670	*9410	6880	*7280	5190			*3680	*3680	11.12
-3.0 m					*9440	*9440	*7600	6910	*5490	5240					

## Bent Position

### Medium Stick

3200 mm

### Shoes

















600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
															
9.0 m													*3650	*3650	8.72
7.5 m									*7740	*7740			*3490	*3490	9.82
6.0 m									*8110	*8110	*6040	*6040	*3470	*3470	10.53
4.5 m							*10540	*10540	*8820	8760	*7760	6220	*3570	*3570	10.94
3.0 m					*16860	*16860	*12100	11880	*9650	8260	*8170	5970	*3770	*3770	11.09
1.5 m					*18980	16810	*13370	10970	*10380	7760	*8540	5700	*4100	3960	11.01
0 m			*5850	*5850	*18370	15950	*14010	10340	*10800	7370	8600	5480	*4590	4090	10.67
-1.5 m			*11350	*11350	*18800	15670	*13920	10020	*10740	7130	*8430	5350	*5360	4500	10.06
-3.0 m			*17360	*17360	*17180	15750	*13010	9950	*9990	7080			*5750	5360	9.11
-4.5 m					*14360	*14360	*10960	10150							

## Straight Position

### Long Stick

3900 mm

### Shoes

















600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
															
12.0 m					*6120	*6120							total		7.69
10.5 m							*6400	*6400					*3840	*3840	9.56
9.0 m							*7110	*7110	*5710	*5710			*3190	*3190	10.82
7.5 m					*6810	*6810	*7350	*7350	*7080	6420			*2870	*2870	11.69
6.0 m					*7850	*7850	*8230	*8230	*7960	6290	*6050	4500	*2700	*2700	12.28
4.5 m			*16920	*16920	*12380	12320	*10050	8420	*8360	6040	6930	4410	*2620	*2620	12.63
3.0 m					*13580	11300	*10560	7880	*8580	5740	6770	4260	*2610	*2610	12.76
1.5 m					*14050	10420	*10800	7380	8590	5450	6610	4110	*2670	*2670	12.69
0 m			*8060	*8060	*13720	9840	*10610	7010	8340	5220	6480	3990	*2800	*2800	12.41
-1.5 m			*11020	*11020	*12550	9580	*9850	6800	*7710	5090	*5710	3930	*3020	2970	11.9
-3.0 m			*12810	*12810	*10600	9570	*8410	6750	*6390	5070	*3790	*3790	*3340	3240	
-4.5 m					*7760	*7760	*6100	*6100							

## Bent Position

### Long Stick

3900 mm

### Shoes

















600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m
															
9.0 m													*2780	*2780	9.63
7.5 m									*4560	*4560			*2640	*2640	10.62
6.0 m							*7340	*7340	*6680	6570			*2610	*2610	11.27
4.5 m							*8110	*8110	*7200	6370			*2670	*2670	11.65
3.0 m			*15270	*15270	*11190	*11190	*9030	8440	*7700	6070	*4930	4420	*2810	*2810	11.8
1.5 m			*17990	17470	*12690	11240	*9900	7890	*8190	5760	*5560	4260	*3040	*3040	11.71
0 m	*6540	*6540	*19240	16230	*13660	10480	*10510	7420	*8510	5480	*4740	4120	*3400	*3400	11.4
-1.5 m	*10150	*10150	*19190	15680	*13920	10010	*10700	7100	8410	5290			*3940	3880	10.84
-3.0 m	*14690	*14690	*18100	15560	*13420	9830	*10310	6960	*7940	5220			*4800	4500	9.98
-4.5 m	*19200	*19200	*15900	15770	*11960	9900	*9020	7010					*4910	*4910	8.72
-6.0 m			*12080	*12080	*8930	*8930									

# Lift Capacities – 330D HDHW

Heavy Duty High Wide (HDHW) undercarriage with retrofit boom in straight and bent position. All weights are in kg. Heavy lift on.

## Straight Position

### Short Stick

2150 mm

### Shoes

700 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m							
10.5 m			*9460	*9460					*7100	*7100	7.28		
9.0 m			*12970	*12970	*11230	*11230			*6490	5980	8.9		
7.5 m			*14990	*14990	*12080	*12080	*9940	8030	*6220	4610	9.93		
6.0 m			*17260	*17260	*12780	11580	*10200	7760	7940	5340	5920	3870	10.58
4.5 m					*13490	10550	*10490	7310	7790	5190	5420	3470	10.95
3.0 m					*13680	9580	10270	6820	7550	4970	5220	3310	11.06
1.5 m					*12960	8990	9860	6450	7350	4780	*5150	3350	10.92
0 m					*11450	8800	*9290	6260	*7140	4680	*4250	3600	10.53
-1.5 m					*9290	8880	*7690	6260	*5460	4730			

## Bent Position

### Short Stick

2150 mm

### Shoes

700 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m							
9.0 m									*6350	*6350	7.69		
7.5 m									*6160	*6160	8.89		
6.0 m					*10200	*10200	*8740	8180	*6210	5020	9.63		
4.5 m			*15700	*15690	*11450	*11450	*9310	7800	*6430	4400	10.03		
3.0 m					*12690	10500	*9940	7320	7790	5200	6270	4100	10.15
1.5 m					*13450	9710	10330	6880	7580	5000	6290	4090	10
0 m			*17660	14490	*13500	9280	10010	6590			6720	4360	9.57
-1.5 m		*13910	*13910	*16490	14630	*12790	9180	*9860	6500		*6870	5090	8.81
-3.0 m			*14170	*14170	*11120	9350							

## Straight Position

### Medium Short Stick

2800 mm

### Shoes

700 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m							
12.0 m									*5820	*5820	5.8		
10.5 m			*8600	*8600					*5290	*5290	8.21		
9.0 m			*10640	*10640	*9310	8550			*4770	*4770	9.65		
7.5 m		*9850	*9850	*10980	*9960	8550	8470	5850	*4510	4380	10.61		
6.0 m		*16610	*16610	*12740	12230	*10320	8270	8440	5830	*4400	3780	11.24	
4.5 m			*13680	11320	*10740	7830	8240	5640	*4400	3450	11.6		
3.0 m			*14240	10390	10810	7360	7980	5400	6050	4000	*4500	3300	11.72
1.5 m			*13980	9740	10390	6970	7760	5190	5970	3920	*4700	3320	11.61
0 m			*12850	9440	10130	6730	7610	5050			*4450	3510	11.27
-1.5 m		*11470	*11470	*10970	9410	*8880	6660	*6740	5020				
-3.0 m			*8300	*8290	*6720	*6720							

## Bent Position

### Medium Short Stick

2800 mm

### Shoes

700 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m							
9.0 m									*4630	*4630	8.49		
7.5 m							*8240	*8240	*4430	*4430	9.59		
6.0 m							*8600	*8600	*4400	*4400	10.29		
4.5 m			*15010	*15010	*11260	*11260	*9280	8330	*8100	5880	*4490	4270	10.68
3.0 m			*17990	17460	*12710	11260	*10050	7850	8260	5660	*4720	4010	10.81
1.5 m			*14340	*14340	*13770	10440	*10660	7390	8000	5420	*5080	3980	10.69
0 m			*16660	15400	*14130	9920	10480	7050	7810	5240	*5650	4170	10.31
-1.5 m		*11520	*11520	*18200	15320	*13730	9700	10300	6880		*6530	4680	9.64
-3.0 m		*17840	*17840	*16180	15530	*12440	9730	*9450	6910		*5540	*5540	8.6
-4.5 m			*12790	*12790	*9740	*9740							



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.

### Straight Position

#### Medium Stick

3200 mm

#### Shoes

















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
12.0 m														*4920	*4920	6.58
10.5 m					*8820	*8820								*4090	*4090	8.72
9.0 m					*9030	*9030	*8690	*8690						*3720	*3720	10.07
7.5 m					*9450	*9450	*9610	8690	*8020	6000				*3530	*3530	10.99
6.0 m			*12640	*12640	*11990	*11990	*10060	8390	*8490	5910				*3470	*3470	11.59
4.5 m			*18410	18380	*13360	11530	*10540	7930	8300	5700	6180	4120		*3490	3250	11.94
3.0 m					*14090	10560	*10890	7430	8020	5430	6080	4020		*3600	3100	12.05
1.5 m					*14090	9830	10430	7000	7760	5190	5970	3920		*3790	3110	11.95
0 m			*7700	*7700	*13210	9440	10130	6720	7580	5020	5900	3850		*4100	3270	11.62
-1.5 m			*12540	*12540	*11550	9340	*9240	6610	*7120	4960				*3550	*3550	11.04
-3.0 m					*9100	*9100	*7330	6660	*5190	5040						

### Bent Position

#### Medium Stick

3200 mm

#### Shoes
















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
9.0 m														*3620	*3620	8.88
7.5 m									*7760	*7760				*3480	*3480	9.92
6.0 m									*8180	*8180	*6460	6130		*3480	*3480	10.59
4.5 m			*22260	*22260	*14070	*14070	*10730	*10730	*8920	8450	*7810	5970		*3590	*3590	10.97
3.0 m					*17200	*17200	*12270	11460	*9750	7940	*8220	5720		*3800	*3800	11.1
1.5 m					*19050	16300	*13480	10570	*10450	7450	8040	5450		*4150	3780	10.98
0 m			*6540	*6540	*18650	15500	*14040	9970	10500	7070	7810	5230		*4670	3930	10.61
-1.5 m			*12010	*12010	*18660	15280	*13860	9670	10270	6850	7690	5120		*5470	4370	9.96
-3.0 m			*17950	*17950	*16920	15390	*12830	9640	*9830	6820				*5520	5280	8.97
-4.5 m					*13920	*13920	*10600	9870								

### Straight Position

#### Long Stick

3900 mm

#### Shoes
















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m				m	
																
12.0 m					*6790	*6790								*3730	*3730	7.96
10.5 m							*6620	*6620						*3140	*3140	9.74
9.0 m							*7130	*7130	*6000	*6000				*2840	*2840	10.94
7.5 m							*6850	*6850	*7410	*7410	*7170	6190		*2680	*2680	11.78
6.0 m			*7250	*7250	*8120	*8120	*8410	*8410	*8090	6040	*6250	4300		*2610	*2610	12.34
4.5 m			*17200	*17200	*12700	11900	*10120	8110	*8390	5790	6270	4200		*2620	*2620	12.66
3.0 m					*13680	10870	*10600	7560	8080	5490	6110	4050		*2690	*2690	12.77
1.5 m					*14060	10010	10510	7070	7780	5200	5950	3900		*2820	2700	12.67
0 m			*8300	*8300	*13620	9470	10120	6710	7540	4980	5830	3780		*3050	2830	12.36
-1.5 m			*11490	*11490	*12360	9240	*9720	6520	7410	4860	*5560	3740		*3350	3120	11.82
-3.0 m			*12400	*12400	*10310	9250	*8190	6490	*6180	4860						

### Bent Position

#### Long Stick

3900 mm

#### Shoes
















700 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m	
																
9.0 m														*2750	*2750	9.77
7.5 m									*4920	*4920				*2630	*2630	10.71
6.0 m							*7420	*7420	*6860	6340				*2610	*2610	11.33
4.5 m							*8220	*8220	*7260	6120				*2680	*2680	11.68
3.0 m			*15650	*15650	*11390	*11390	*9140	8120	*7770	5820	*5050	4210		*2830	*2830	11.8
1.5 m			*18210	16920	*12840	10830	*9990	7570	8100	5500	*5560	4050		*3080	*3080	11.69
0 m	*6920	*6920	*19290	15750	*13730	10090	*10560	7110	7810	5230				*3450	3420	11.35
-1.5 m	*10640	*10640	*19110	15260	*13910	9660	10230	6810	7620	5050				*4020	3740	10.75
-3.0 m	*15310	*15310	*17900	15180	*13300	9500	10100	6690	7570	5000				*4940	4400	9.85
-4.5 m			*19390	*19390	*15550	15430	*11700	9600	*8770	6770						
-6.0 m							*8380	*8380								

# Lift Capacities – 330D ES

Retrofit boom in straight and bent position with 345C L undercarriage. All weights are in kg. Heavy lift on.

## Straight Position

### Short Stick

2150 mm

### Shoes














600 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m								
													m	
10.5 m			*9430	*9430								*7120	*7120	7.25
9.0 m			*12860	*12860	*11160	*11160						*6490	6340	8.88
7.5 m			*14920	*14920	*12070	*12070	*9930	8430				*6230	4920	9.91
6.0 m			*17230	*17230	*12770	12120	*10200	8170	*8420	5660		*6160	4150	10.58
4.5 m					*13480	11090	*10480	7710	*8470	5520		*6230	3740	10.94
3.0 m					*13680	10120	*10570	7230	*8380	5300		*5820	3570	11.06
1.5 m					*12980	9520	*10220	6860	*8010	5110		*5170	3600	10.93
0 m					*11480	9330	*9310	6660	*7160	5000		*4270	3870	10.54
-1.5 m					*9340	*9340	*7730	6660	*5500	5050				

## Bent Position

### Short Stick

2150 mm

### Shoes














600 mm

### Bucket Capacity (SAE)

1.9 m<sup>3</sup>

### Bucket Weight

1986 kg

	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m								
													m	
9.0 m												*6360	*6360	7.66
7.5 m												*6160	*6160	8.88
6.0 m					*10180	*10180	*8730	8580				*6210	5330	9.62
4.5 m			*15640	*15640	*11430	*11430	*9290	8210				*6430	4690	10.03
3.0 m					*12670	11040	*9920	7720	*8270	5520		*6820	4390	10.15
1.5 m					*13440	10240	*10370	7290	*8380	5330		*7200	4370	10
0 m			*17510	15260	*13500	9810	*10430	6990				*7150	4660	9.58
-1.5 m		*13710	*13710	*16520	15400	*12810	9700	*9880	6900			*6880	5400	8.83
-3.0 m			*14220	*14220	*11160	9880								

## Straight Position

### Medium Short Stick

2800 mm

### Shoes














600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m								
													m	
12.0 m												*5790	*5790	5.74
10.5 m				*8580	*8580							*5310	*5310	8.18
9.0 m				*10650	*10650	*9280	8940					*4780	*4780	9.63
7.5 m		*9830	*9820	*10960	*10960	*9950	8950	*8510	6170			*4520	*4520	10.6
6.0 m		*16250	*16250	*12730	*12730	*10310	8670	*8660	6150			*4410	4040	11.23
4.5 m				*13660	11860	*10740	8240	*8800	5970			*4400	3690	11.59
3.0 m				*14240	10930	*11000	7770	*8840	5730	*6990	4270	*4500	3540	11.72
1.5 m				*14000	10270	*10880	7380	*8630	5520	*6550	4200	*4700	3560	11.61
0 m				*12880	9970	*10220	7140	*8010	5380			*4470	3760	11.28
-1.5 m		*11340	*11340	*11010	9930	*8910	7070	*6770	5350					
-3.0 m				*8350	*8350	*6760	*6760							

## Bent Position

### Medium Short Stick

2800 mm

### Shoes














600 mm

### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

### Bucket Weight

1634 kg

	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m								
													m	
9.0 m												*4640	*4640	8.47
7.5 m							*8240	*8240				*4430	*4430	9.58
6.0 m							*8580	*8580				*4400	*4400	10.28
4.5 m				*14950	*14950	*11230	*11230	*9270	8730	*8090	6200	*4490	*4490	10.68
3.0 m				*17940	*17940	*12690	11800	*10040	8250	*8440	5980	*4710	4280	10.81
1.5 m				*14360	*14360	*13760	10970	*10650	7800	*8710	5750	*5080	4240	10.69
0 m				*16580	16180	*14140	10450	*10910	7460	*8720	5560	*5630	4440	10.32
-1.5 m		*11390	*11390	*18230	16090	*13750	10230	*10630	7290			*6510	4960	9.65
-3.0 m		*17840	*17840	*16230	*16230	*12470	10260	*9490	7310			*5580	*5580	8.62
-4.5 m				*12870	*12870	*9810	*9810							



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.

### Straight Position

#### Medium Stick

3200 mm

#### Shoes
















600 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m			m	
															
12.0 m			*8650	*8650									*4940	*4940	6.53
10.5 m					*8800	*8800							*4100	*4100	8.69
9.0 m					*9030	*9030	*8670	*8670					*3720	*3720	10.05
7.5 m					*9430	*9430	*9590	9090	*7980	6320			*3530	*3530	10.98
6.0 m			*12460	*12450	*11910	*11910	*10050	8790	*8490	6240			*3470	*3470	11.58
4.5 m			*18370	*18370	*13350	12070	*10530	8340	*8670	6020	*6960	4400	*3490	3490	11.93
3.0 m					*14080	11100	*10890	7840	*8780	5760	*7110	4300	*3590	3340	12.05
1.5 m					*14090	10370	*10890	7410	*8660	5520	*6800	4190	*3790	3340	11.95
0 m			*7630	*7630	*13240	9970	*10390	7130	*8180	5350	*6070	4130	*4100	3510	11.62
-1.5 m			*12430	*12430	*11590	9870	*9260	7010	*7150	5280			*3570	*3570	11.05
-3.0 m					*9150	*9150	*7370	7060	*5240	*5240					

### Bent Position

#### Medium Stick

3200 mm

#### Shoes
















600 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m			m	
															
9.0 m													*3620	*3620	8.85
7.5 m									*7760	*7760			*3480	*3480	9.91
6.0 m									*8170	*8170	*6400	*6400	*3480	*3480	10.58
4.5 m			*22090	*22090	*14010	*14010	*10700	*10700	*8900	8860	*7800	6300	*3590	*3590	10.97
3.0 m					*17150	*17150	*12240	12000	*9730	8350	*8210	6050	*3800	*3800	11.1
1.5 m					*19090	17080	*13460	11110	*10440	7860	*8570	5780	*4140	4030	10.98
0 m			*6430	*6430	*18610	16280	*14040	10500	*10820	7480	*8690	5560	*4660	4200	10.62
-1.5 m			*11910	*11910	*18680	16050	*13870	10200	*10700	7260	*8370	5440	*5460	4640	9.98
-3.0 m			*17940	*17940	*16950	16150	*12860	10170	*9850	7220			*5550	*5550	8.99
-4.5 m					*13990	*13990	*10660	10390							

### Straight Position

#### Long Stick

3900 mm

#### Shoes
















600 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m			m	
															
12.0 m					*6720	*6720							*3750	*3750	7.92
10.5 m							*6590	*6590					*3150	*3150	9.71
9.0 m							*7130	*7130	*5960	*5960			*2850	*2850	10.92
7.5 m					*6840	*6840	*7400	*7400	*7160	6520			*2680	*2680	11.76
6.0 m			*7190	*7190	*8070	*8070	*8380	*8380	*8070	6370	*6220	4570	*2610	*2610	12.33
4.5 m			*17160	*17160	*12680	12440	*10110	8510	*8390	6120	*7080	4480	*2620	*2620	12.65
3.0 m					*13660	11420	*10600	7970	*8600	5810	*7090	4320	*2680	*2680	12.77
1.5 m					*14060	10550	*10810	7480	*8630	5530	*6950	4170	*2820	*2820	12.67
0 m			*8260	*8260	*13640	10010	*10560	7120	*8340	5310	*6520	4050	*3040	*3040	12.37
-1.5 m			*11420	*11420	*12390	9780	*9740	6920	*7610	5180	*5590	4010	*3370	3350	11.83
-3.0 m			*12460	*12460	*10360	9780	*8230	6890	*6210	5180					
-4.5 m							*5800	*5800							

### Bent Position

#### Long Stick

3900 mm

#### Shoes
















600 mm

#### Bucket Capacity (SAE)

1.8 m<sup>3</sup>

#### Bucket Weight

1634 kg

	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m			m	
															
9.0 m													*2750	*2750	9.75
7.5 m									*4870	*4870			*2630	*2630	10.7
6.0 m							*7410	*7410	*6840	6660			*2610	*2610	11.32
4.5 m							*8200	*8200	*7250	6450			*2680	*2680	11.68
3.0 m			*15600	*15600	*11360	*11360	*9120	8530	*7760	6150	*5040	4480	*2830	*2830	11.8
1.5 m			*18180	17710	*12820	11370	*9970	7970	*8230	5830	*5560	4320	*3070	*3070	11.69
0 m	*6860	*6860	*19290	16530	*13720	10630	*10550	7520	*8530	5560			*3440	*3440	11.36
-1.5 m	*10560	*10560	*19120	16030	*13910	10190	*10690	7220	*8490	5370			*4010	4000	10.77
-3.0 m	*15210	*15210	*17930	15950	*13320	10030	*10230	7090	*7830	5330			*4920	4680	9.87
-4.5 m	*19360	*19360	*15600	*15600	*11740	10120	*8810	7170							
-6.0 m					*8470	*8470									

# Lift Capacities – 330D HVG Long Reach Excavation

Hydraulic Variable Gauge (HVG) undercarriage with 10 000 mm retrofit boom and long reach stick.  
All weights are in kg. Heavy lift on.

Straight Position	Long Reach Excavation Stick 7100 mm					Shoes 600 mm					Bucket Capacity (SAE) 0.44 m <sup>3</sup>					Bucket Weight 638 kg																
	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	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	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		
13.5 m																																
12.0 m																																
10.5 m																																
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-1.5 m																																
-3.0 m																																
-4.5 m																																
-6.0 m																																
-7.5 m																																
-9.0 m																																

Bent Position	Long Reach Excavation Stick 7100 mm					Shoes 600 mm					Bucket Capacity (SAE) 0.44 m <sup>3</sup>					Bucket Weight 638 kg																
	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	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	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		
10.5 m																																
9.0 m																																
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-3.0 m																																
-4.5 m																																
-6.0 m																																
-7.5 m																																
-9.0 m																																

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.

## Standard Equipment

Standard equipment may vary. Consult your Caterpillar dealer for specifics.

### Electrical

Alternator, 80 A  
Lights working  
  Boom, both side  
  Cab interior  
  Cab mounted, two  
  Frame mounted  
Signal/warning horn

### Engine/Power Train

Automatic engine speed control  
Automatic swing parking brake  
Automatic travel parking brakes  
Caterpillar C9 with ACERT Technology  
  Altitude capability to 2300 m  
  without derating  
Fine swing control  
Fuel Filter  
Secondary engine shut-off switch  
Side-by-side cooling system with  
  separately mounted AC condenser  
Two speed travel  
Water separator, with level indicator,  
  for fuel line

### Guards

Full length track guiding guards  
Heavy duty bottom guards on upper  
  frame  
Heavy duty swivel guard on  
  undercarriage  
6 mm swivel guard on undercarriage

### Front Linkage

Boom foot with hook system  
Face-to-face ball valve system  
Hydraulic quick disconnects

### Operator Station

Adjustable armrest  
Air conditioner, heater and defroster  
  with automatic climate control  
Ashtray and lighter, 24 V  
Beverage/cup holder  
Coat hook  
Electrical provision for seat heater  
EU sound criteria package  
Floor mat, washable  
FOGS  
Instrument panel and gauges  
  with full color graphical display,  
  start-up level checks  
High resistant front windshield  
Large skylight with wiper and washer  
Literature compartment  
Mirrors – left and right  
Neutral lever (lock out) for all controls  
Positive filtered ventilation,  
  pressurized cab  
Rear window, emergency exit  
Retractable seat belt 51 mm width  
Sliding upper door window  
Storage compartment suitable  
  for a lunch box  
Sunshade for windshield and skylight  
Tilting device (cab)  
Travel control pedals with removable  
  hand levers  
Warming device  
Windshield wipers and washers  
  (upper and lower)

### Track

Grease lubricated track  
Hydraulic track adjusters

### Undercarriage

L – Long  
LN – Long Narrow  
HVG – Hydraulic Variable Gauge  
HDHW – Heavy Duty High Wide  
ES – 345C L undercarriage

### Other Standard Equipment

Auxiliary hydraulic valve for hydro-  
  mechanical tools  
Boom lowering control device with  
  SmartBoom  
Cat batteries  
Cat branded XT hoses and reusable  
  couplings  
Cat Datalink and capability to use ET  
Caterpillar one key security system with  
  locks for doors, cab and fuel cap  
Combined control  
Cross-roller type swing bearing  
Counterweight 84500 kg with lifting  
  hook  
Drive for auxiliary pump  
Heavy lift mode  
Medium pressure control  
Radio, 24V  
Regeneration circuit for boom and stick  
S•O•S<sup>SM</sup> quick sampling valves for  
  engine oil and hydraulic oil  
Steel firewall between engine and  
  hydraulic pumps  
Thumb wheel joysticks  
Wiring provisions for Product Link

## Optional Equipment

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

### Front Linkage

Bucket linkages  
Sticks  
Retrofit boom (short, LRE)  
UHD front boom

### Auxiliary Controls and Lines

Auxiliary stick lines

### Miscellaneous Options

Bio hydraulic oil package  
Converter, 7 amp-12V  
Electric refueling pump with auto  
  shut-off  
Fine filtration filter  
Jump start terminals  
Starting aid for cold weather with ether  
Travel alarm with cut off switch

### Operator Compartment

Lunch box storage with lid  
Machine security system with  
  programmable keys  
Seat  
  Adjustable high-back seat with  
  mechanical suspension  
  Adjustable high-back seat with  
  air suspension  
  Adjustable high-back heated seat  
  with air suspension  
Straight travel pedal

# 330D L Ultra-high Demolition

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com](http://www.cat.com)

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

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