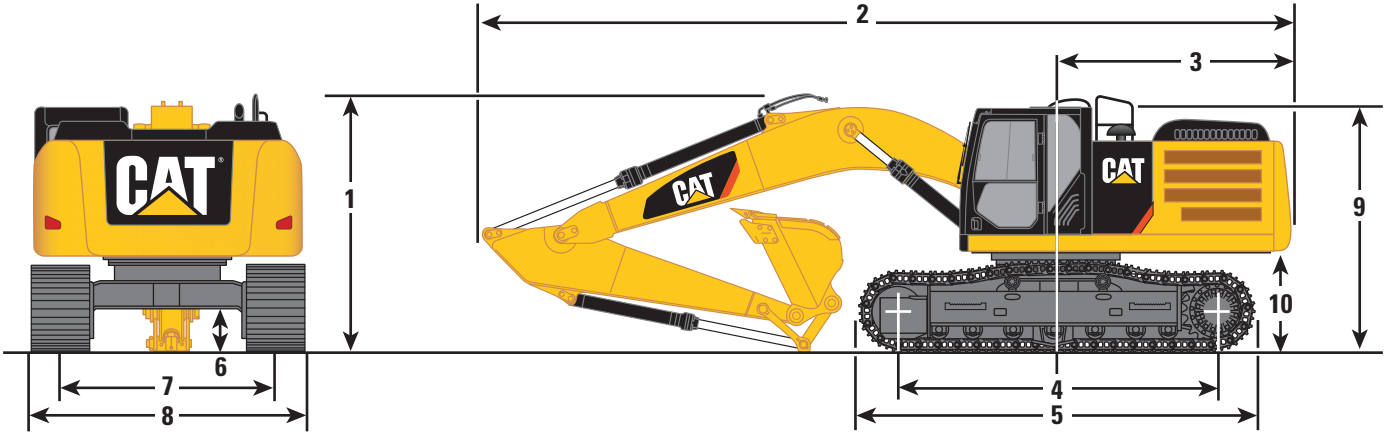


# 336E L/LN H Hydraulic Excavator

## Dimensions

All dimensions are approximate.

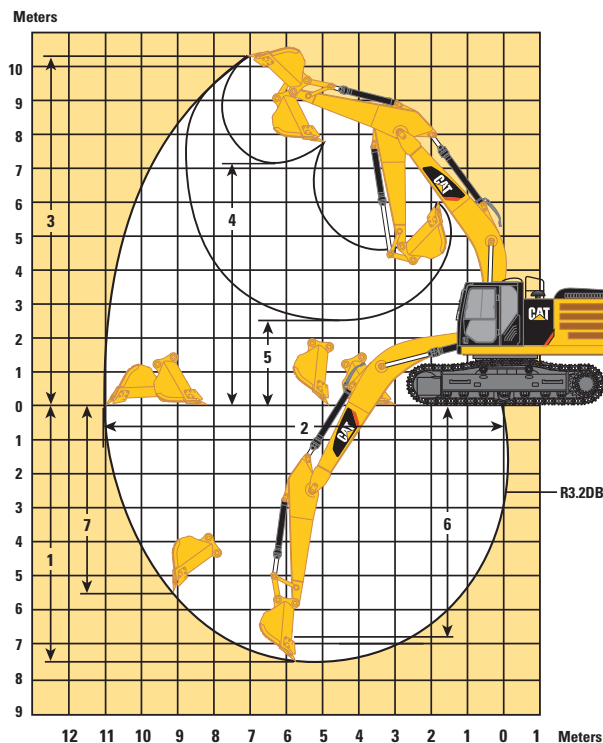


	HD Reach Boom 6.50 m
Stick	R3.2DB
1 Shipping Height including Shoe Lug Height	3510 mm
Shipping Height with Top Guard	3510 mm
2 Shipping Length	11 160 mm
3 Tail Swing Radius	3490 mm
4 Length to Center of Rollers	
Long Undercarriage	4040 mm
Long Narrow Undercarriage	4040 mm
5 Track Length	
Long Undercarriage	5020 mm
Long Narrow Undercarriage	5020 mm
6 Ground Clearance including Shoe Lug Height	510 mm
Ground Clearance without Shoe Lug Height	480 mm
7 Track Gauge	
Long Undercarriage	2590 mm
Long Narrow Undercarriage	2390 mm
8 Transport Width	
Long Undercarriage (600 mm double grouser track shoes)	3190 mm
Long Narrow Undercarriage (600 mm triple grouser track shoes)	2990 mm
9 Cab Height	3150 mm
Cab Height with Top Guard	3360 mm
10 Counterweight Clearance without Shoe Lug Height	1220 mm
Bucket Capacity	2.28 m <sup>3</sup>
Bucket Tip Radius	1760 mm

# 336E L/LN H Hydraulic Excavator

## Working Ranges

All dimensions are approximate.



	HD Reach Boom 6.50 m
Stick	R3.2DB
1 Maximum Digging Depth	7490 mm
2 Maximum Reach at Ground Level	11 020 mm
3 Maximum Cutting Height	10 320 mm
4 Maximum Loading Height	7110 mm
5 Minimum Loading Height	2610 mm
6 Maximum Depth Cut for 2440 mm Level Bottom	6820 mm
7 Maximum Vertical Wall Digging Depth	5500 mm
Bucket Capacity	2.28 m <sup>3</sup>
Bucket Tip Radius	1760 mm

# 336E L/LN H Hydraulic Excavator

## Major Component Weights\*

Lower Structure (without counterweight and track)	
Long Undercarriage	8700 kg
Long Narrow Undercarriage	8600 kg
Upper Structure (without front linkage)	10 000 kg
Counterweight 4.9 mt	4900 kg
Boom (includes lines, pins and stick cylinder)	
HD Reach Boom – 6.50 m	4100 kg
Stick (includes lines, pins and bucket cylinder)	
R3.2DB HD	1800 kg
Track Shoe	
Long Undercarriage (600 mm double grouser)	4900 kg
Long Narrow Undercarriage (600 mm triple grouser)	4700 kg
Bucket	
2.28 m <sup>3</sup>	1500 kg

\*Base machine includes 75 kg operator weight, 90% fuel weight and undercarriage.

## Operating Weight and Ground Pressure

	Operating Weight	Ground Pressure
HD Reach Boom and HD R3.2DB Stick		
Long Undercarriage (600 mm double grouser track shoes)	36 800 kg	68.6 kPa
Long Narrow Undercarriage (600 mm triple grouser track shoes)	36 200 kg	68.6 kPa

# 336E L/LN H Hydraulic Excavator

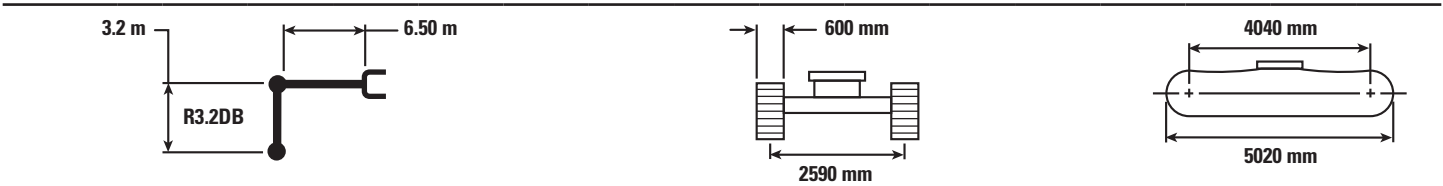
## Bucket and Stick Forces

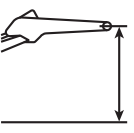















Stick	HD Reach Boom 6.50 m
	R3.2DB
General Duty	
Bucket Digging Force (ISO)	211.8 kN
Stick Digging Force (ISO)	166.7 kN
General Duty Capacity	
Bucket Digging Force (ISO)	209.7 kN
Stick Digging Force (ISO)	165.9 kN
Heavy Duty	
Bucket Digging Force (ISO)	209.9 kN
Stick Digging Force (ISO)	166.1 kN
Heavy Duty – Power	
Bucket Digging Force (ISO)	234.2 kN
Stick Digging Force (ISO)	169.0 kN
Severe Duty	
Bucket Digging Force (ISO)	209.9 kN
Stick Digging Force (ISO)	166.1 kN
Extreme Duty	
Bucket Digging Force (ISO)	209.9 kN
Stick Digging Force (ISO)	166.1 kN

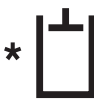
Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance,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

# 336E L/LN H Hydraulic Excavator

336E L H with HD Reach Boom Lift Capacities – Counterweight: 4.9 mt – Heavy Lift: On



		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
7.5 m	kg									*8500	7400			*7200	7050	7.70
6.0 m	kg									*8600	7300			*7000	5800	8.58
4.5 m	kg					*13 050	*13 050	*10 500	9950	*9200	7050	8250	5250	*7050	5150	9.13
3.0 m	kg					*16 500	14 150	*12 150	9350	*10 050	6800	8100	5150	*7300	4800	9.40
1.5 m	kg					*19 000	13 200	*13 600	8850	10 400	6500	7950	5000	7400	4650	9.43
0.0 m	kg					*19 850	12 800	14 250	8500	10 200	6300	7850	4900	7550	4750	9.22
-1.5 m	kg			*14 100	*14 100	*19 450	12 700	14 100	8400	10 100	6200			8150	5050	8.74
-3.0 m	kg			*22 200	*22 200	*18 050	12 800	*13 750	8400	10 150	6250			9350	5800	7.96
-4.5 m	kg			*20 250	*20 250	*15 300	13 150	*11 600	8650					*9800	7400	6.75



ISO 10567

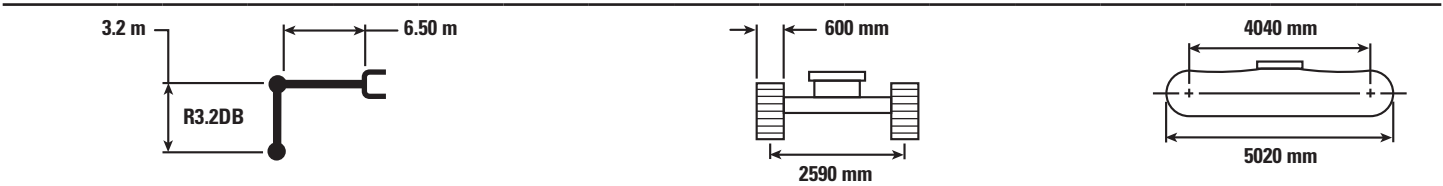


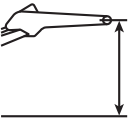















\*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories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

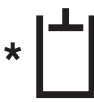
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

# 336E L/LN H Hydraulic Excavator

## 336E LN H with HD Reach Boom Lift Capacities – Counterweight: 4.9 mt – Heavy Lift: On



		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m				m
																
7.5 m	kg									*8500	6750			*7200	6450	7.70
6.0 m	kg									*8600	6700			*7000	5300	8.58
4.5 m	kg					*13 050	*13 050	*10 500	9100	*9200	6450	8150	4800	*7050	4700	9.13
3.0 m	kg					*16 500	12 750	*12 150	8500	*10 050	6200	8000	4700	*7300	4350	9.40
1.5 m	kg					*19 000	11 850	*13 600	8000	10 300	5900	7850	4550	7350	4250	9.43
0.0 m	kg					*19 850	11 450	14 100	7700	10 100	5700	7750	4450	7500	4300	9.22
-1.5 m	kg			*14 100	*14 100	*19 450	11 350	13 950	7550	9950	5600			8050	4600	8.74
-3.0 m	kg			*22 200	*22 200	*18 050	11 450	*13 750	7600	10 000	5650			9250	5250	7.96
-4.5 m	kg			*20 250	*20 250	*15 300	11 800	*11 600	7800					*9800	6700	6.75



ISO 10567



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

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

# 336E L/LN H Hydraulic Excavator

## Work Tool Offering Guide\*

Boom Option	HD Reach Boom
Stick Option	R3.2DB
Hammer	H140Ds H160Ds
Multi-Processor	MP20 with all jaw options
Mobile Scrap and Demolition Shear	S325B S365C***
Pulverizer	P225 P235**
Compactor (Vibratory Plate)	CVP110
Orange Peel Grapple	These work tools are available for the 336E L/LN H. Consult your Cat dealer for proper match.
Clamshells	
Rippers	
Universal Quick Coupler	

\*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

\*\*Pin-on only.

\*\*\*Boom Mount.

# 336E L/LN H Hydraulic Excavator

## 336E L H Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	HD Reach Boom
		mm	m³	kg	%	R3.2DB
Without Quick Coupler						
General Duty (GD)	DB	1350	1.64	1173	100%	●
	DB	1650	2.11	1352	100%	⊖
	DB	1800	2.35	1453	100%	X
	TB	1500	2.14	1872	100%	
	TB	1650	2.41	2027	100%	
Heavy Duty (HD)	DB	1350	1.64	1481	100%	●
	DB	1500	1.88	1600	100%	⦿
	DB	1650	2.12	1730	100%	⊖
	TB	1650	2.41	2210	100%	
Severe Duty (SD)	DB	1650	2.15	1827	90%	⊖
	TB	1350	1.87	2065	90%	
	TB	1650	2.41	2385	90%	
Maximum load pin-on (payload + bucket)					kg	4830
With Quick Coupler, CW45/CW45s						
General Duty (GD)	DB	1050	1.17	986	100%	●
	DB	1200	1.40	1064	100%	●
	DB	1350	1.64	1143	100%	⦿
	DB	1500	1.87	1245	100%	⊖
	DB	1650	2.11	1324	100%	⊖
Heavy Duty (HD)	DB	1350	1.64	1417	100%	⦿
	DB	1500	1.88	1514	100%	⊖
	DB	1650	2.12	1647	100%	○
	TB	1650	2.41	2117	100%	
Severe Duty (SD)	DB	1050	1.17	1272	90%	●
	DB	1650	2.15	1802	90%	○
	TB	1350	1.87	1974	90%	
	TB	1650	2.41	2295	90%	
Maximum load with coupler (payload + bucket)					kg	4340

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.  
Bucket weight with General Duty tips.

Maximum Material Density:

- 2100 kg/m³
- ⦿ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- X Not Recommended

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



# 336E L/LN H Hydraulic Excavator

## 336E LN H Bucket Specifications and Compatibility

	Linkage	Width	Capacity	Weight	Fill	HD Reach Boom
		mm	m³	kg	%	R3.2DB
Without Quick Coupler						
General Duty (GD)	DB	1350	1.64	1173	100%	⦿
	DB	1650	2.11	1352	100%	⊖
	DB	1800	2.35	1453	100%	○
	TB	1500	2.14	1872	100%	
	TB	1650	2.41	2027	100%	
Heavy Duty (HD)	DB	1350	1.64	1481	100%	⦿
	DB	1500	1.88	1600	100%	⊖
	DB	1650	2.12	1730	100%	○
	TB	1650	2.41	2210	100%	
Severe Duty (SD)	DB	1650	2.15	1827	90%	○
	TB	1350	1.87	2065	90%	
	TB	1650	2.41	2385	90%	
Maximum load pin-on (payload + bucket)					kg	4370
With Quick Coupler, CW45/CW45s						
General Duty (GD)	DB	1050	1.17	986	100%	●
	DB	1200	1.40	1064	100%	●
	DB	1350	1.64	1143	100%	⊖
	DB	1500	1.87	1245	100%	○
	DB	1650	2.11	1324	100%	○
Heavy Duty (HD)	DB	1350	1.64	1417	100%	⊖
	DB	1500	1.88	1514	100%	○
	DB	1650	2.12	1647	100%	◇
	TB	1650	2.41	2117	100%	
Severe Duty (SD)	DB	1050	1.17	1272	90%	●
	DB	1650	2.15	1802	90%	◇
	TB	1350	1.87	1974	90%	
	TB	1650	2.41	2295	90%	
Maximum load with coupler (payload + bucket)					kg	3880

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with General Duty tips.

### Maximum Material Density:

- 2100 kg/m³
- ⦿ 1800 kg/m³
- ⊖ 1500 kg/m³
- 1200 kg/m³
- ◇ 900 kg/m³

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