

Excavators | Specifications



MODEL	M318C		M322C	
Flywheel Power	113 kW	151 hp	122 kW	164 hp
Operating Weight*	19 150 kg	42,220 lb	22 200 kg	48,940 lb
Bucket Capacity Range (heaped)	0.35-1.09 m ³	0.45-1.43 yd ³	0.54-1.26 m ³	0.71-1.65 yd ³
Engine Model	3056E ATAAC		3056E ATAAC	
Rated Engine RPM	2000		2000	
No. of Cylinders	6		6	
Bore	100 mm	3.9"	100 mm	3.9"
Stroke	127 mm	5"	127 mm	5"
Displacement	6 L	366 in ³	6 L	366 in ³
Max. Implement Hydraulic Pump Output at Rated RPM	280+112 L/min	73.9+29.6 gpm	340+112 L/min	89.8+29.6 gpm
Tires --- standard	10.00-20 dual pneumatic		11.00-20 dual pneumatic	
--- optional	10.00-20 dual solid rubber		11.00-20 dual solid rubber	
	18-R 19.5 XF single		18-R 19.5 XF single	
	600/40-22.5 single		600/40-22.5 single	
Maximum Travel Speed	34 km/h	21 mph	25 km/h	15 mph
Wheel Base	2600 mm	8'6"	2750 mm	9'0"
Width Over Tires**	2550 mm	8'4"	2750 mm	9'0"
Ground Clearance**	375 mm	15"	360 mm	14.1"
Fuel Tank Refill Capacity	385 L	102 U.S. gal	385 L	102 U.S. gal
Hydraulic System (includes tank)	255 L	67.4 U.S. gal	350 L	92.5 U.S. gal

*Operating weight includes full fuel tank, operator 75 kg (165 lb), one-piece boom, mid-size stick and bucket, and two sets of outriggers.

**With standard tires.

NOTE: Standard cold inflation pressure for all tires is 650 kPa (94 psi).

Certain models may not be available in all Sales areas.

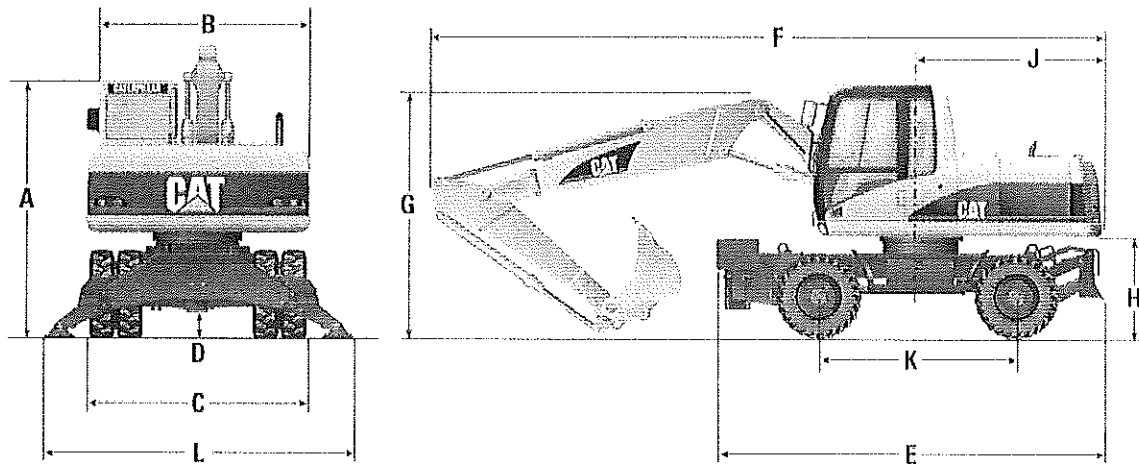
Specifications may also vary by Sales area.

Contact your Caterpillar Dealer for details.

Excavators

Shipping Dimensions

● M313C ● M315C ● M316C ● M318C ● M322C



	M313C		M315C		M316C		M318C		M322C	
	mm	ft	mm	ft	mm	ft	mm	ft	mm	ft
A	3120	10'3"	3150	10'4"	3170	10'5"	3170	10'5"	3200	10'6"
B	2540	8'4"	2540	8'4"	2540	8'4"	2540	8'4"	2670	8'9"
C*	2550	8'4"	2550	8'4"	2550	8'4"	2550	8'4"	2750	9'0"
Dozer width	2550	8'4"	2550	8'4"	2550	8'4"	2540	8'4"	2750	9'0"
D	370	1'3"	370	1'3"	370	1'3"	375	1'3"	360	1'2"
E¹	4875	17'0"	4925	16'2"	5025	16'6"	5025	16'6"	5250	17'3"
E²	4935	16'2"	4960	16'3"	5060	17'7"	5060	17'7"	5210	17'1"
E³	4160	14'8"	3610	12'10"	4330	14'2"	4330	14'2"	4503	14'9"
F	8080	27'6"	8320	27'4"	8400	28'7"	8960	29'5"	9640	31'8"
G	2990	10'10"	3150	10'4"	3170	10'5"	3210	11'6"	3250	10'8"
H	1232	4'1"	1262	4'2"	1280	4'2"	1275	4'2"	1307	4'3"
J	2049	7'9"	2197	7'2"	2290	8'6"	2500	8'2"	2750	9'0"
K	2500	8'2"	2500	8'2"	2600	8'6"	2600	8'6"	2750	9'0"
L	3665	12'0"	3665	12'0"	3675	12'1"	3676	12'1"	3960	14'0"

E¹ 2 Sets Outriggers.
 E² Outriggers/Dozer.
 E³ Dozer only.

*10 × 20 Dual Tires.

NOTE: Shipping dimensions above are for standard machine equipped with one-piece boom and medium stick.

Major Component Weights
 • M313C • M315C • M316C • M318C • M322C

Excavators

	M313C		M315C		M316C		M318C		M322C	
Buckets: (see data in bucket section)	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Sticks:*										
Short Stick	606	1336	681	1501	681	1501	841	1854	961	2119
Medium Stick	636	1402	721	1590	721	1590	856	1887	981	2163
Long Stick	676	1490	731	1612	731	1612	896	1975	1051	2317
Booms:**										
VH Boom	1650	3638	1970	4343	2090	4608	2450	5401	2980	6570
One-piece Boom	1230	2712	1530	3373	1560	3439	1890	4167	2300	5071
Other:										
Upperstructure (with swing bearing, no boom)	3600	7937	4100	9039	4710	10,384	5480	12,081	5610	12,368
Undercarriage (with standard tires)	3505	7727	3805	8389	4110	9061	4150	9149	1770	3902
Outriggers (each set, with cylinders and linkage)	890	1962	890	1962	1020	2249	1020	2249	1310	2888
Dozer Blade (with cylinders and linkage)	645	1422	645	1422	760	1676	760	1676	910	2006

*Slick weight includes stick, stick lines, bucket cylinder, bucket cylinder pins, bucket linkage and bucket linkage pins.

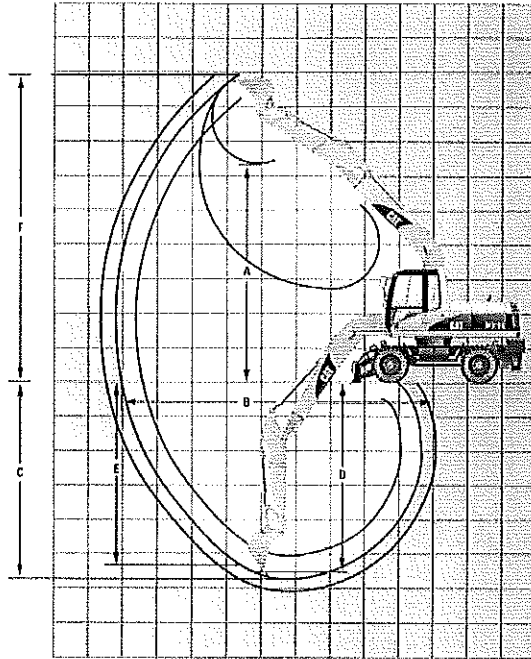
**Boom weight includes boom, boom lines, boom cylinders, boom cylinder rod end pin, stick cylinder, stick cylinder head end pin and boom nose pin.

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Excavators

Range Dimensions

- M316C ● M318C ● M322C



One-Piece Boom Digging Envelope

- Standard 10 × 20 tires and undercarriage
- General purpose bucket

KEY:

- A Maximum loading height of bucket with teeth
- B Maximum reach at ground level
- C Maximum digging depth
- D Maximum vertical wall
- E Maximum depth of cut for 2.5 m (8'2\") level bottom (straight clean up)
- F Maximum height, to bucket teeth at highest arc

M316C

Stick	2.1 m 6'11"		2.4 m 7'10"		2.6 m 8'6"		2.2 m 7'3"		2.5 m 8'2"		2.8 m 9'2"	
	0.815 m ³ 1.07 yd ³		0.815 m ³ 1.07 yd ³		0.7 m ³ 0.92 yd ³		0.91 m ³ 1.19 yd ³		0.91 m ³ 1.19 yd ³		0.7 m ³ 0.92 yd ³	
	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft
A	6.17	20'3"	6.27	20'7"	6.39	21'0"	6.05	19'10"	6.27	20'7"	6.42	21'1"
B	8.56	28'1"	8.82	28'11"	9.02	29'7"	8.85	29'0"	9.16	30'1"	9.45	31'0"
C	5.23	17'2"	5.53	18'2"	5.73	18'10"	5.55	18'3"	5.85	19'2"	6.15	20'2"
D	4.06	13'4"	4.22	13'10"	4.40	14'5"	3.66	12'0"	4.12	13'6"	4.42	14'6"
E	5.00	16'5"	5.32	17'5"	5.53	18'2"	5.34	17'6"	5.65	18'6"	5.96	19'7"
F	8.90	29'2"	8.99	29'6"	9.11	29'11"	8.66	28'5"	8.91	29'3"	9.06	29'9"

M318C

M322C

Stick	2.2 m 7'3"		2.5 m 8'2"		2.9 m 9'6"	
	1.04 m ³ 1.36 yd ³		0.805 m ³ 1.05 yd ³		0.805 m ³ 1.05 yd ³	
	m	ft	m	ft	m	ft
A	6.50	21'4"	6.43	21'1"	6.65	21'10"
B	9.51	31'2"	9.73	31'11"	10.12	33'2"
C	5.57	18'3"	5.87	19'3"	6.27	20'7"
D	4.46	14'8"	4.66	15'3"	5.04	16'6"
E	5.35	17'7"	5.67	18'7"	6.09	20'0"
F	9.45	31'0"	9.31	30'7"	9.54	31'4"