

IT14G2 Integrated Toolcarrier

IT14G2 Operating Specifications

		General Purpose Buckets						Penetration Buckets
		With Bolt-On Cutting Edge		With Bolt-On Teeth		With Bolt-On Teeth and Segments		With Flush Mounted Teeth
Rated bucket capacity (§)	m³ yd³	1.3 1.7	1.4 1.8	1.2 1.6	1.3 1.7	1.3 1.7	1.4 1.8	1.3 1.7
Struck capacity (§)	m³ yd³	1.1 1.4	1.2 1.5	1.0 1.3	1.1 1.5	1.1 1.4	1.2 1.5	1.1 1.5
Width	mm ft/in	2401 7'10.5"	2401 7'10.5"	2424 7'11.4"	2424 7'11.4"	2424 7'11.4"	2424 7'11.4"	2434 7'11.8"
Dump clearance at full lift and 45° discharge (§)	mm ft/in	2921 9'7"	2886 9'6"	2977 9'9"	2942 9'8"	2930 9'7"	2895 9'6"	2942 9'8"
Reach at full lift and 45° discharge (§)	mm ft/in	787 2'7"	823 2'8"	757 2'6"	792 2'7"	779 2'7"	814 2'8"	792 2'7"
Reach at 45° discharge and 2130 mm (7 ft) clearance (§)	mm ft/in	1426 4'8"	1443 4'9"	1351 4'5"	1368 4'6"	1375 4'6"	1390 4'7"	1380 4'6"
Reach with lift arms horizontal and bucket level	mm ft/in	2151 7'1"	2201 7'3"	2090 6'10"	2140 7'0"	2139 7'0"	2189 7'2"	2140 7'0"
Digging depth (§)	mm in	174 6.9"	174 6.9"	155 6.1"	155 6.1"	174 6.9"	174 6.9"	155 6.1"
Overall length	mm ft/in	6424 21'1"	6474 21'3"	6506 21'4"	6556 21'6"	6524 21'5"	6574 21'7"	6554 21'6"
Overall height with bucket at full raise (§)	mm ft/in	4802 15'9"	4855 15'11"	4802 15'9"	4855 15'11"	4802 15'9"	4855 15'11"	4855 15'11"
Loader clearance circle with bucket in carry position	m ft/in	10.40 34'1"	10.42 34'2"	10.47 34'4"	10.50 34'5"	10.47 34'4"	10.50 34'5"	10.49 34'5"
Static tipping load straight* (§)	kg lb	5541 12,218	5495 12,116	5637 12,407	5589 12,324	5503 12,134	5456 12,030	5605 12,359
Static tipping load full 40° turn* (§)	kg lb	4792 10,566	4750 10,474	4882 10,765	4840 10,672	4754 10,483	4712 10,390	4855 10,705
Breakout force (§)	kg lb	7865 17,342	7435 16,394	8456 18,645	7965 17,563	7920 17,464	7481 16,496	7979 17,594
Operating weight*	kg lb	8032 17,771	8044 17,737	7990 17,618	8003 17,647	8063 17,779	8076 17,808	7990 17,618

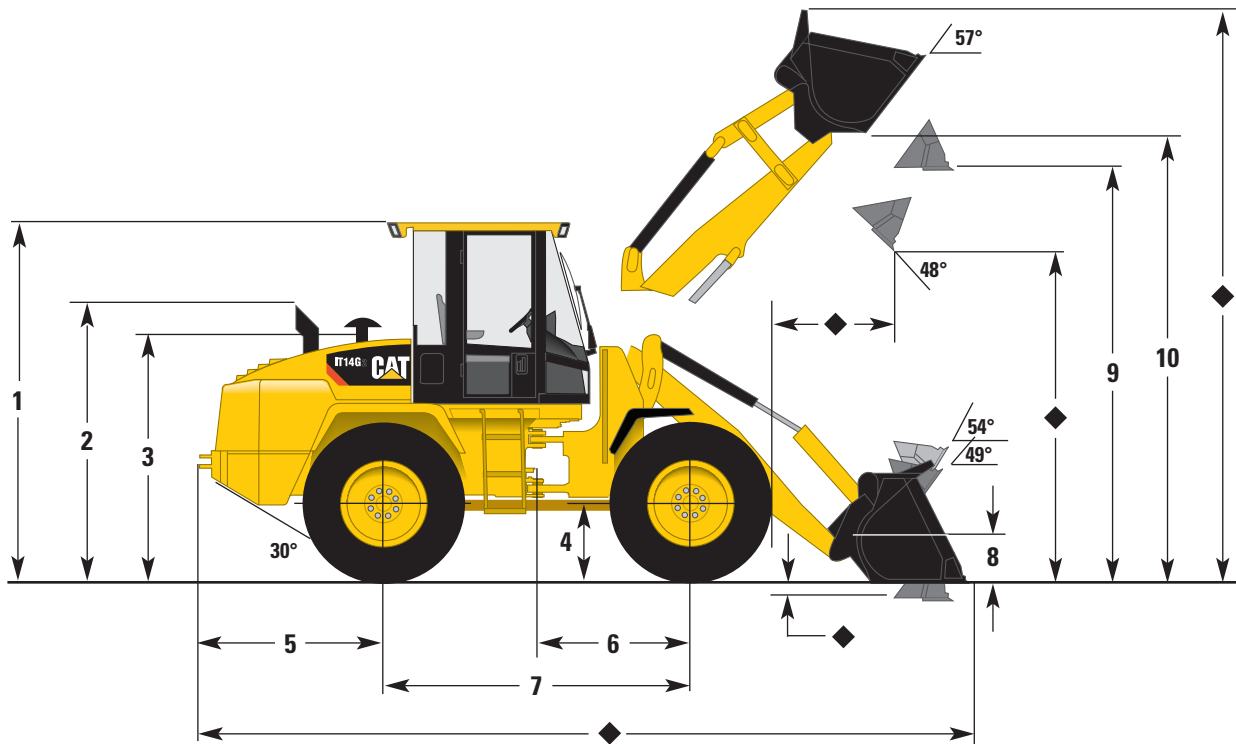
*Static tipping and operating weights shown are for high-speed version IT14G2 and include lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator, standard 250 kg (550 lb) counterweight and 17.5-R25 (L2 equivalent) tires.

NOTE: Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers (SAE). SAE Standards J732 and J742 govern loader rating, denoted in the text by (§).

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IT14G2 Dimensions with Bucket

All dimensions are approximate.



	mm	ft/in
1	3100	10'2"
2	2255	7'5"
3	2080	6'10"
4	620	2'0"
5	1658	5'5"
6	1300	4'3"
7	2600	8'6"
8	374	1'3"
9	3565	11'8"
10	3798	12'6"

◆ Dimensions vary with bucket. Refer to Operating Specifications chart on previous page.

		Tread Width	Width over Tires	Ground Clearance	Change in Vertical Dimensions
15.5-25, 12PR (L-2)	mm	1800	2223	414	-42
	in	70.9	87.5	16.3	-1.7
17.5-R25 (L-2 equivalent)	mm	1800	2298	456	—
	in	70.9	90.5	18.0	—

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IT14G2 Supplemental Specifications

	Change in Operating Weight		Change in Articulated Static Tipping Load	
	kg	lb	kg	lb
Air conditioner	+55	+121	+62	+137
Canopy, ROPS (less cab)	−122	−269	−89	−196
Ride control	+28	+62	+5	+11
Power train guard	+17	+37	+15	+33
Secondary steering	+30	+66	+38	+84
Tires and rims, 15.5-25, 12PR (L-2)	−140	−309	−84	−185
Tires and rims, 15.5-25, 12PR (L-3)	−76	−168	−46	−101
Tires and rims, 17.5-25, 12PR (L-2)	−40	−88	−21	−46
Tires and rims, 17.5-25, 12PR (L-3)	+32	+71	+17	+37
Tires and rims, 17.5-25, R25 (L-3 equivalent)	+100	+220	+54	+119
Tires and rims, 17.5-25, R25 (L-2/L-3 equivalent)	+76	+168	+41	+90

Static tipping load changes are for an IT14G2 with lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator, standard 250 kg (550 lb) counterweight, 17.5-R25 L-2 equivalent tires and a 1.3 m³ (1.7 yd³) general purpose bucket with bolt-on cutting edge.

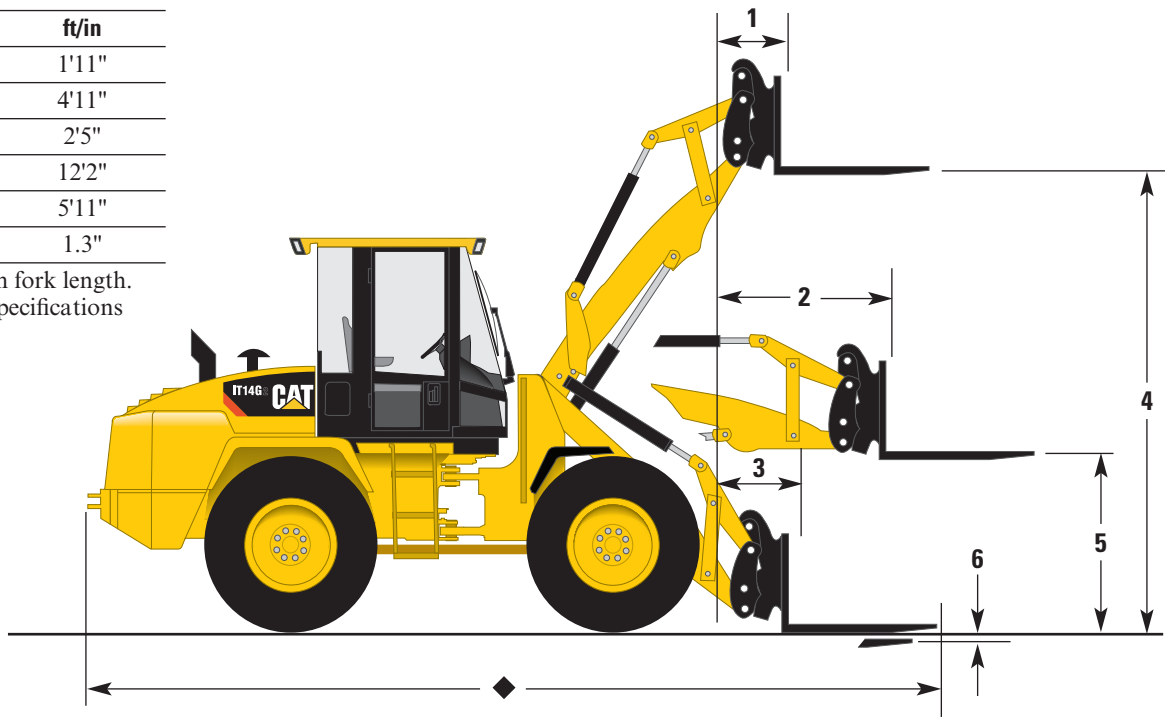
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IT14G2 Dimensions with Forks

All dimensions are approximate.

	mm	ft/in
1	586	1'11"
2	1490	4'11"
3	745	2'5"
4	3708	12'2"
5	1808	5'11"
6	34	1.3"

◆ Dimensions vary with fork length. Refer to Operating Specifications chart below.



IT14G2 Operating Specifications with Forks

Fork Tine Length		1050 mm (3'5")	1200 mm (3'11")	1350 mm (4'5")
Operating load:				
Per SAE J1197 FEB91 (50% of full turn static tipping load)	kg lb	1927 4,249	1870 4,123	1810 3,991
Per CEN 474-3, rough terrain (60% of full turn static tipping load)	kg lb	2312 5,098	2244 4,948	2172 4,789
Per CEN 474-3, firm and level ground (80% of full turn static tipping load)	kg lb	3082 6,796	2992 6,597	2896 6,386
Overall length	mm ft/in	6723 22'1"	6873 22'7"	7023 23'1"
Load center	mm in	525 21"	600 24"	675 27"
Static tipping load with level arms and forks, 600 mm (23.6 in) load center, straight*	kg lb	4447 9,806	4309 9,501	4179 9,215
Static tipping load with level arms and forks, 600 mm (23.6 in) load center, full 40° turn*	kg lb	3853 8,496	3734 8,233	3620 7,982
Operating weight*	kg lb	7898 17,415	7915 17,453	7928 17,481

*Static tipping and operating weights shown are for an IT14G2 with lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator, standard 250 kg (550 lb) counterweight and 17.5-R25 (L2 equivalent) tires.

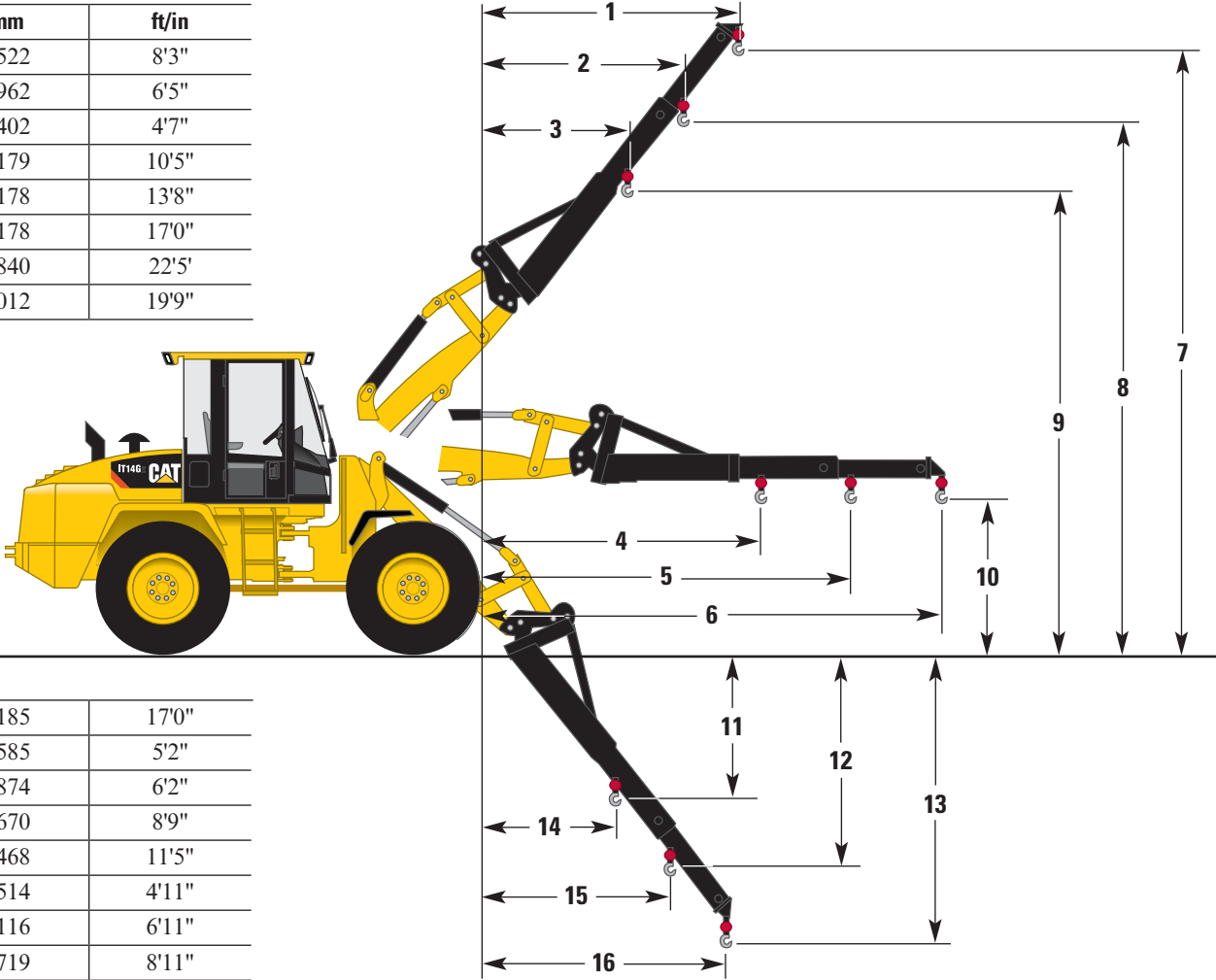
Tipping load is defined by SAE J732.

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IT14G2 Dimensions with Material Handling Arm

All dimensions are approximate.

	mm	ft/in
1	2522	8'3"
2	1962	6'5"
3	1402	4'7"
4	3179	10'5"
5	4178	13'8"
6	5178	17'0"
7	6840	22'5'
8	6012	19'9"



9	5185	17'0"
10	1585	5'2"
11	1874	6'2"
12	2670	8'9"
13	3468	11'5"
14	1514	4'11"
15	2116	6'11"
16	2719	8'11"

IT14G2 Operating Specifications with Material Handling Arm

Material Handling Arm Position		Retracted	Mid-Position	Extended
Operating load at 40° full turn	kg	1370	1076	888
	lb	3,021	2,373	1,958
Static tipping load, straight*	kg	3158	2484	2051
	lb	6,963	5,477	4,522
Static tipping load, full 40° full turn*	kg	2740	2153	1777
	lb	6,042	4,747	3,918
Operating weight*	kg	7770	7770	7770
	lb	17,133	17,133	17,133

*Static tipping and operating weights shown include lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator, standard 250 kg (550 lb) counterweight and 17.5-R25 (L2 equivalent) tires.

NOTE: Machine stability and operating weights are affected by tire size, tire ballast and other attachments.

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Typical Material Densities – Loose

	kg/m³	lb/yd³		kg/m³	lb/yd³
Basalt	1960	3,305	Gypsum		
Bauxite, Kaolin	1420	2,394	broken	1810	3,052
Clay			crushed	1600	2,698
natural bed	1660	2,799	Limestone		
dry	1480	2,495	broken	1540	2,596
wet	1660	2,799	crushed	1540	2,596
Clay and gravel			Sand		
dry	1420	2,394	dry, loose	1420	2,394
wet	1540	2,596	damp	1690	2,849
Decomposed rock			wet	1840	3,102
75% rock, 25% earth	1960	3,305	Sand and clay		
50% rock, 50% earth	1720	2,900	loose	1600	2,698
25% rock, 75% earth	1570	2,647	Sand and gravel		
Earth			dry	1720	2,900
dry, packed	1510	2,546	wet	2020	3,416
wet, excavated	1600	2,698	Sandstone	1510	2,546
Granite			Shale	1250	2,107
broken	1660	2,799	Slag		
Gravel			broken	1750	2,950
pitrun	1930	3,254	Stone		
dry	1510	2,546	crushed	1600	2,698
dry, 6-50 mm (0.2-2 in)	1690	2,849			
wet, 6-50 mm (0.2-2 in)	2020	3,406			

IT14G2 Bucket Size Selector

