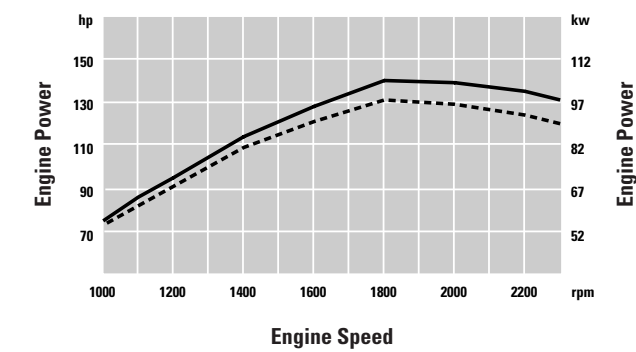
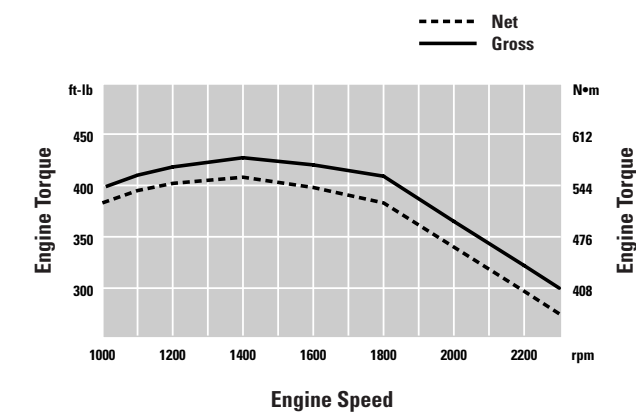


924Gz Wheel Loader

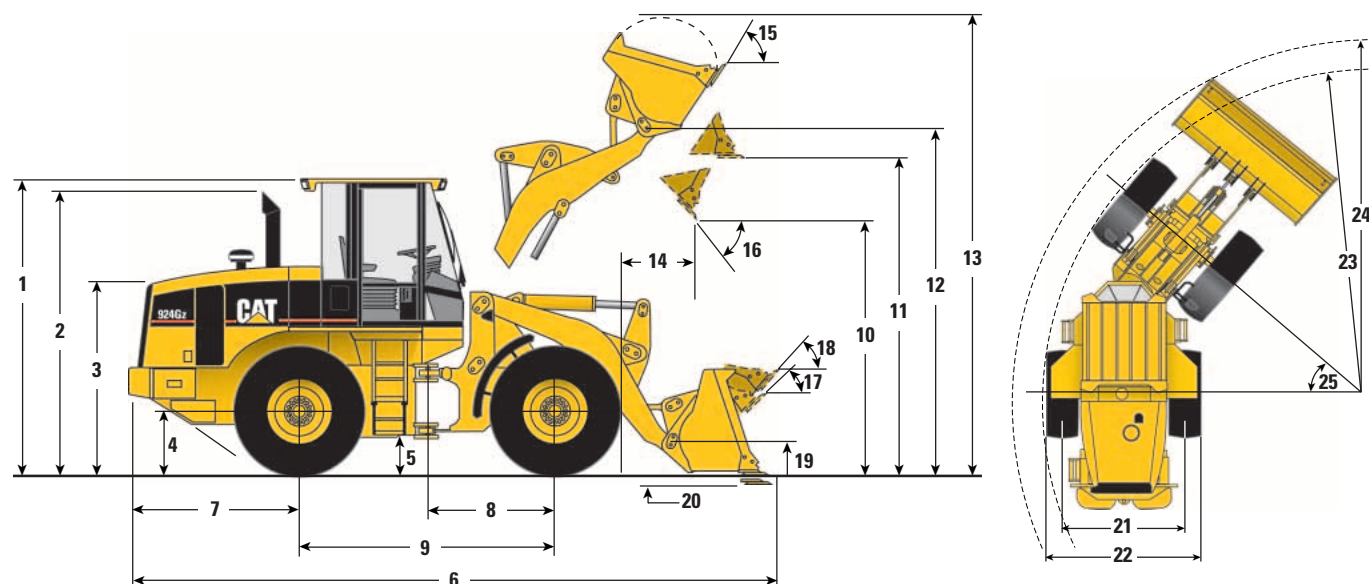
Engine Torque



924Gz Wheel Loader

Dimensions with Bucket

All dimensions are approximate. Dimensions vary with bucket. Refer to Operating Specifications chart.



1	Height to top of ROPS/FOPS	3160 mm	(10 ft 5 in)
2	Height to top of exhaust stack	3143 mm	(10 ft 4 in)
3	Height to top of hood	2151 mm	(7 ft 1 in)
4	Height to center of axle	624 mm	(2 ft 1 in)
5	Ground clearance	370 mm	(1 ft 2 in)
6	Overall length	7030 mm	(23 ft 1 in)
7	Length – rear axle to bumper	1918 mm	(6 ft 4 in)
8	Center line of front axle to hitch	1400 mm	(4 ft 7 in)
9	Wheel base length	2800 mm	(9 ft 2 in)
10	Dump clearance at maximum lift and 45° dump	2760 mm	(9 ft 1 in)
11	Bucket clearance at maximum lift and level	3366 mm	(11 ft 1 in)
12	Bucket pin height at maximum lift	3691 mm	(12 ft 1 in)
13	Overall height – bucket raised	4743 mm	(15 ft 7 in)
14	Reach at maximum lift and 45° dump	865 mm	(2 ft 10 in)
15	Rack back angle at maximum lift	58°	
16	Dump angle at maximum lift	45°	
17	Rack back angle at ground	44°	
18	Rack back angle at carry	48°	
19	Carry height	367 mm	(1 ft 2 in)
20	Digging depth	110 mm	(4 in)

Dimensions listed are for machines equipped with 17.5-25 12PR (L-2) tires and 1.8 m³ (2.3 yd³) general purpose bucket with bolt-on cutting edge. Refer to Operating Specifications for bucket variations.

	17.5-25 12PR (L-2) Tires		20.5-25 12PR (L-2) Tires	
21	Overall width over tires	1880 mm (6 ft 2 in)	1880 mm (6 ft 2 in)	
22	Width at tread center	2356 mm (7 ft 9 in)	2466 mm (8 ft 1 in)	
23	Minimum turning radius over tire	5070 mm (16 ft 8 in)	5135 mm (16 ft 10 in)	
24	Minimum turning radius over bucket	5609 mm (18 ft 5 in)	–	–
25	Steering angle – left/right	40°	40°	
	Change in vertical dimension	–	+68 mm (+3 in)	

924Gz Wheel Loader

Operating Specifications with Bucket

		General Purpose					
		With Bolt-On Cutting Edge		With Bolt-On Teeth & Segments*		With Bolt-On Teeth*	
Rated bucket capacity (§)	m³	1.8	2.1	1.8	2.1	1.7	2.0
	yd³	2.3	2.7	2.3	2.7	2.2	2.6
Struck capacity (§)	m³	1.5	1.7	1.5	1.7	1.4	1.6
	yd³	2.0	2.2	2.0	2.2	1.8	2.1
Bucket width		2550	2550	2585	2585	2585	2585
		8'4"	8'4"	8'6"	8'6"	8'6"	8'6"
10 Dump clearance at full lift and 45° discharge (§)	mm	2760	2691	2656	2587	2656	2587
	ft/in	9'1"	8'10"	8'9"	8'6"	8'9"	8'6"
14 Reach at full lift and 45° discharge (§)	mm	865	934	969	1037	969	1037
	ft/in	2'10"	3'1"	3'2"	3'5"	3'2"	3'5"
Reach at 45° discharge and 2130 mm (7'0") clearance (§)	mm	1357	1386	1399	1424	1399	1424
	ft/in	4'5"	4'6"	4'7"	4'8"	4'7"	4'8"
Reach with lift arms horizontal and bucket level	mm	2133	2230	2279	2376	2279	2376
	ft/in	7'0"	7'4"	7'6"	7'10"	7'6"	7'10"
20 Digging depth (§)	mm	110	118	110	118	85	93
	in	4"	4.5"	4"	4.5"	3.5"	3.5"
6 Overall length	mm	6890	6993	7036	7138	7017	7120
	ft/in	22'7"	22'11"	23'1"	23'5"	23'0"	23'4"
13 Overall height with bucket at full raise (§)	mm	4743	4870	4743	4870	4743	4870
	ft/in	15'7"	16'0"	15'7"	16'0"	15'7"	16'0"
24 Loader clearance radius with bucket in carry position (§)	mm	5609	5638	5670	5700	5670	5700
	ft/in	18'5"	18'6"	18'7"	18'8"	18'7"	18'8"
Static tipping load straight (§)	kg	7842	7759	7674	7588	7836	7776
	lb	17,289	17,106	16,918	16,729	17,275	17,143
Static tipping load full 40° turn (§)	kg	6878	6798	6709	6627	6864	6804
	lb	15,163	14,987	14,791	14,610	15,133	15,000
Breakout force (§)	kg	9876	8902	9756	8782	10 660	9535
	lb	21,727	19,584	21,463	19,320	23,452	20,977
Operating weight	kg	9844	9897	9979	9942	9894	9947
	lb	21,702	21,819	22,000	21,918	21,813	21,929

Specifications shown are for machine with optional counterweight, standard lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 17.5-25 12PR (L-2) tires.

* Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standards specifies the cutting edge.

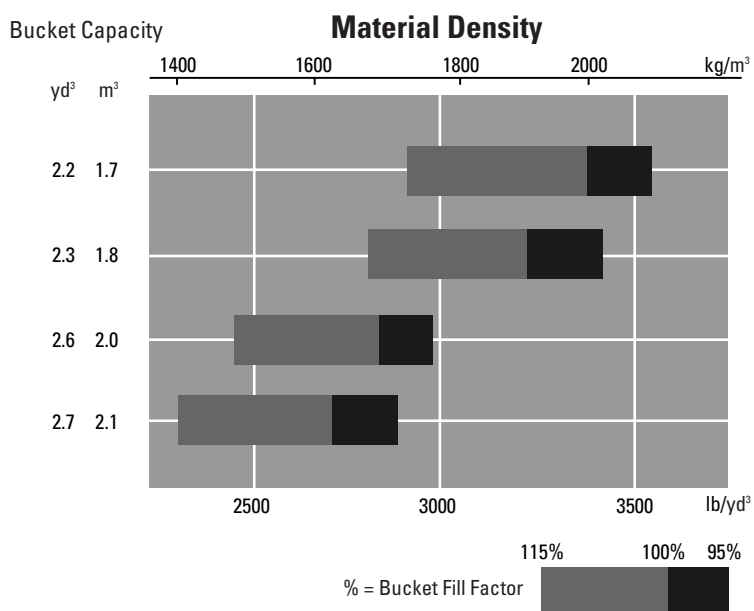
(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers (SAE), including SAE Standards J732 JUN92 and J742 FEB85 governing loader ratings.

Typical Material Densities – Loose

	kg/m³	lb/yd³
Basalt	1960	3305
Bauxite, Kaolin	1420	2394
Clay		
natural bed	1660	2799
dry	1480	2495
wet	1660	2799
Clay and gravel		
dry	1420	2394
wet	1540	2596
Decomposed rock		
75% rock, 25% earth	1960	3305
50% rock, 50% earth	1720	2900
25% rock, 75% earth	1570	2647
Earth		
dry, packed	1510	2546
wet, excavated	1600	2698
Granite		
broken	1660	2799
Gravel		
pitrun	1930	3254
dry	1510	2546
dry, 6-50 mm (0.2-2")	1690	2849
wet, 6-50 mm (0.2-2")	2020	3406

	kg/m ³	lb/yd ³
Gypsum		
broken	1810	3052
crushed	1600	2698
Limestone		
broken	1540	2596
crushed	1540	2596
Sand		
dry, loose	1420	2394
damp	1690	2849
wet	1840	3102
Sand and clay		
loose	1600	2698
Sand and gravel		
dry	1720	2900
wet	2020	3416
Sandstone	1510	2546
Shale	1250	2107
Slag		
broken	1750	2950
Stone		
crushed	1600	2698

Bucket Size Selector



924Gz Wheel Loader

Supplemental Specifications

	Change in Operating Weight		Change in Articulated Static Tipping Load	
	kg	lb	kg	lb
Air conditioner	32	70	47	103
Canopy, ROPS (less cab)	−199	−438	−185	−407
Counterweight, 175 kg/385 lb (removal)	−175	−385	−294	−647
Guard, crankcase	15	33	22	48
Guard, driveshaft	43	95	12	26
Guard, power train	52	114	51	112
Ride Control System	40	88	28	62
Secondary steering	37	81	50	110
Tires, 1-piece rims				
17.5-25, 12PR (L-2)	0	0	0	0
17.5-25, 12PR (L-3)	72	158	45	99
17.5 R25, radial (L-2)	40	88	25	55
17.5 R25, radial (L-3)	140	308	87	191
Tires, 3-piece rims				
17.5-25, 12PR (L-2)	124	273	78	172
17.5-25, 12PR (L-3)	196	431	123	270
17.5 R25, radial (L-2)	164	361	103	227
17.5 R25, radial (L-3)	264	581	165	363
550/65 R25, radial (L-2)	456	1005	285	628
550/65 R25, radial (L-3)	516	1135	322	708
20.5-25, 12PR (L-2)	412	906	257	565
20.5-25, 12PR (L-3)	616	1355	385	847
20.5 R25, radial (L-2)	480	1056	300	660
20.5 R25, radial (L-3)	652	1434	407	895