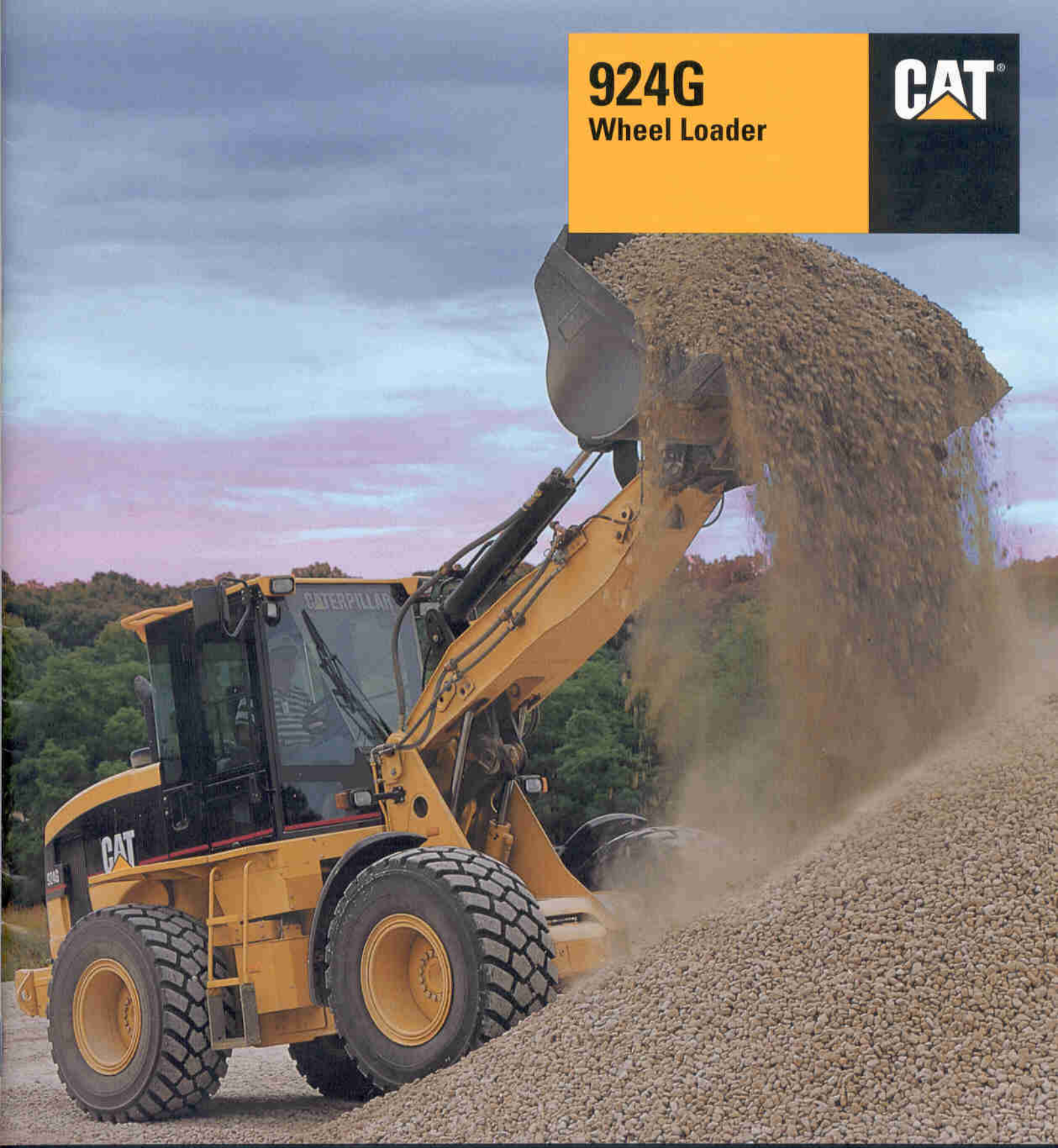
924G
Wheel Loader



Bucket capacities	**1.7 - 5.0 m³**	**2.2 - 6.5 yd³**
Operating weight to	**11 500 kg**	**25,358 lb**
Cat 3056T Engine		
Gross power	**91 kW**	**122 HP**
Flywheel power	**85 kW**	**114 HP**

924G Wheel Loader

Offering world class performance, value and reliability.

Cat® Power Train

The 924G uses a Caterpillar power train to get maximum power to the ground. ✔ *A Caterpillar 3056T six-cylinder engine* and Cat power shift transmission are performance-matched to the torque converter and Cat axles. **pg. 4-5**

VersaLink Loader Linkage

✔ *A new, patented loader linkage gives the 924G unsurpassed visibility, versatility and stability. The single piece boom-style lift arm design offers exceptional strength, rigidity and visibility. A high lift version is available for high-dump or long reach requirements.* **pg. 6-7**

Quick Coupler System

✔ *A new quick coupler system offers better visibility to critical areas of attachments and a more efficient design for better operating performance. The interface remains fully-compatible with attachments used on previous, similar-sized machines.* **pg. 7**

Hydraulic System

✔ *A new, modular hydraulic system offers advanced load-sensing features, quick loading cycles, easy reconfiguration and ride control.* **pg. 8**

Unsurpassed Versatility

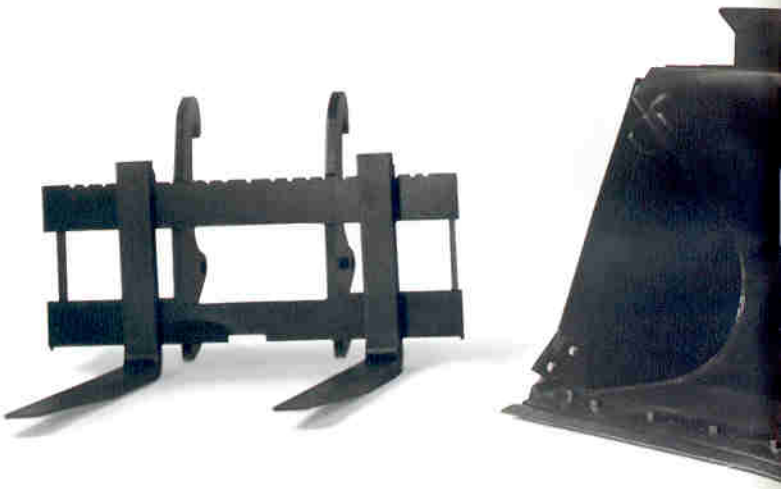
The 924G is one of the most versatile wheel loaders in the world. Size, power, performance and interchangeability of work tools make this the ideal machine for a wider range of jobs than ever before.

More Power And Performance

The 924G is designed and built for maximum performance. The powerful Caterpillar power train, new load-sensing hydraulic system and new VersaLink loader linkage all combine to give more output than ever before from a machine this size.

Do More With Less Effort

The new VersaLink loader linkage extends your reach further and lets you dump over higher targets. You also see more because the new linkage and quick coupler are streamlined for exceptional visibility to the bucket or work tool. The Caterpillar G-Series cab surrounds the operator with over 30% more glass than the former model. Inside the cab, advanced human engineering principles make operation of the 924G less of a job, more of a powerful experience.



✔ *New feature*

Standard Equipment

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

Air cleaner, dry type
Alarm, back-up
Alternator, 50-amp
Antenna, for radio
Antifreeze/coolant, extended-life
protects to minus 36C (-33F)
Batteries, maintenance-free, 12V, (2)
Brakes: Service - enclosed, sealed
Parking - mechanical on drive line
Bucket positioner, automatic
Cab, ROPS (sound suppressed and pressurized) with:
- ground level door release
- heater/defroster
- rear window defroster, electric
- personal storage space, cup holder
- lighter
- coat hook
- rear view mirrors (2 inside)
- tilt steering console
- seat, adjustable suspension (fabric or vinyl)
- seat belt, retractable
- tinted safety glass
- two door cab, fixed glass
- wiper and washer, 2-speed plus intermittent, front and rear

Counterweight
Differentials, conventional (front/rear)
Electrical system, 24V
Engine, Caterpillar 3056T
Engine fuel priming pump
Fenders (front/rear)
Hitch, drawbar
Horn, front warning (electrical)
Hour meter, electric
Hydraulic diagnostic connectors
Hydraulic oil cooler
Hydraulic control, 3-valve, 3-lever
Implement control lever locks
Implement positioner, two-position
Indicators:
- air cleaner service
- coolant level
- hydraulic oil level sight gauge
- transmission oil level gauge

Instrumentation:
- engine coolant temperature gauge
- hydraulic oil temperature gauge
- torque converter oil temp. gauge
- fuel level gauge

Lift kickout, automatic
Lift/tilt kickout neutralizer

Lighting system: - brake lights
- working lights (halogen, flood) includes 2 on front tower, 2 on front roof and 2 on rear roof

Loader linkage, VersaLink
Load-sensing steering system
Muffler
Quick Coupler, hydraulic
Radiator, unit serviceable
S•O•S oil sampling valves for engine, transmission and hydraulic systems
Steering stops, cushioned
Starting aid, thermal
Switch, key start & stop
Torque converter
Transmission, 4F/3R, autoshift, single lever control and kickdown button
Transmission neutralizer
Vandalism protection, lockable service points
Warning indicators:
- alternator
- coolant temperature
- engine oil pressure
- parking brake
- service brake oil pressure
- transmission oil temperature

Optional Equipment

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

Air conditioner (R-134a refrigerant)
Antifreeze/coolant, extended-life, protects to minus 50C (58F)
Batteries, 900 CCA, for cold weather starting (two)
Beacon light, rotating, magnetic-mount
Buckets/ground engaging tools
Canopy, ROPS
Counterweight, 175 kg (385 lb)
Differential, Limited Slip
- front axle and/or rear axle

Differential, NoSpin, rear axle only
Electrical accessories package (12V converter, accessory plug outlet, wiring)
Fenders, roading
Guards:
- crankcase
- power train
- vandalism protection (for use with ROPS canopy only)

Hydraulic control, single lever (lift/tilt)
Hydraulic control, fourth valve
Hydraulic oil cooler, heavy-duty
Hydraulic third valve (for remote hydraulic functions)
Lights:
- directional, front/rear
- flood (auxiliary, cab-mounted)

Load check valves (dealer installed)
Low speed transmission
Material handling arm
Mirrors, external (two)
Pallet forks, carriage
Radio prep packages:
- for 12V installation, includes speakers, cable, mounting bracket, hardware, converter, and accessory plug. Radio not included.
- for 24V installation, same as above, but without converter or accessory plug.

Remote Forward/Neutral/Reverse Transmission Control

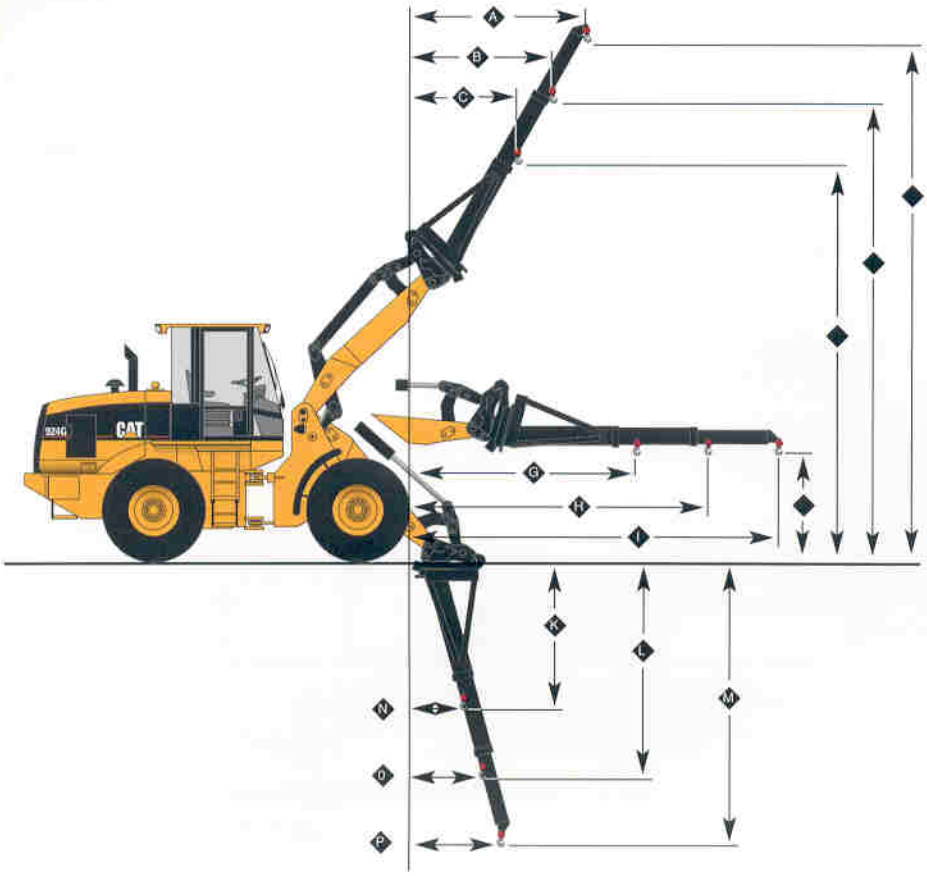
Ride control system
Seats:
- Caterpillar Contour Series, fabric
- Caterpillar Contour Series, fabric, with air suspension

Sliding door windows, (left and right)
Sound suppression package
Starting aid, engine coolant heater, 120V
Steering, secondary
Sun screen, rear
Tires:
- bias ply, 17.5 - 25 and 20.5 - 25
- radial, 17.5 - 25, 555/70 R25 and 20.5 - 25

Visor, sun (front)

Dimensions with Material Handling Arm

All dimensions are approximate.



	Standard VersaLink	High Lift VersaLink
A	2430 mm (8')	2152 mm (7' 1")
B	1956 mm (6' 5")	1745 mm (5' 9")
C	1482 mm (4' 10")	1339 mm (4' 5")
D	7129 mm (23' 5")	7785 mm (25' 6")
E	6249 mm (20'6")	6872 mm (22' 6")
F	5370 mm (17' 7")	5959 mm (19' 7")
G	3296 mm (10' 10")	3687 mm (12' 1")
H	4295 mm (14' 1")	4685 mm (15' 4")
I	5295 mm (17' 4")	5686 mm (18' 8")
J	1534 mm (5')	1533 mm (5')
K	2206 mm (7' 3")	2131 mm (7')
L	3156 mm (10' 4")	3035 mm (9' 11")
M	4107 mm (13' 6")	3939 mm (12' 11")
N	933 mm (3' 1")	1706 mm (5' 7")
O	1241 mm (4' 1")	2133 mm (7')
P	1550 mm (5' 1")	2560 mm (8' 5")

Operating Specifications with Material Handling Arm

Material Handling Arm Position	Retracted	Mid-Position	Extended
Equipped with standard VersaLink:			
Operating load	1790 kg (3938 lb)	1419 kg (3122 lb)	1178 kg (2592 lb)
Static tipping load, straight*	4097 kg (9013 lb)	3251 kg (7152 lb)	2698 kg (5936 lb)
Static tipping load, full 40° full turn*	3580 kg (7876 lb)	2838 kg (6244 lb)	2355 kg (5181 lb)
Operating weight*	10 025 kg (22,055 lb)	10 025 kg (22,055 lb)	10 025 kg (22,055 lb)
Equipped with High Lift VersaLink:			
Operating load	1576 kg (3467 lb)	1272 kg (2798 lb)	1068 kg (2350 lb)
Static tipping load, straight*	3623 kg (7970 lb)	2927 kg (6439 lb)	2459 kg (5410 lb)
Static tipping load, full 40° full turn*	3152 kg (6934 lb)	2544 kg (5597 lb)	2136 kg (4699 lb)
Operating weight*	10 132 kg (22,290 lb)	10 132 kg (22,290 lb)	10 132 kg (22,290 lb)

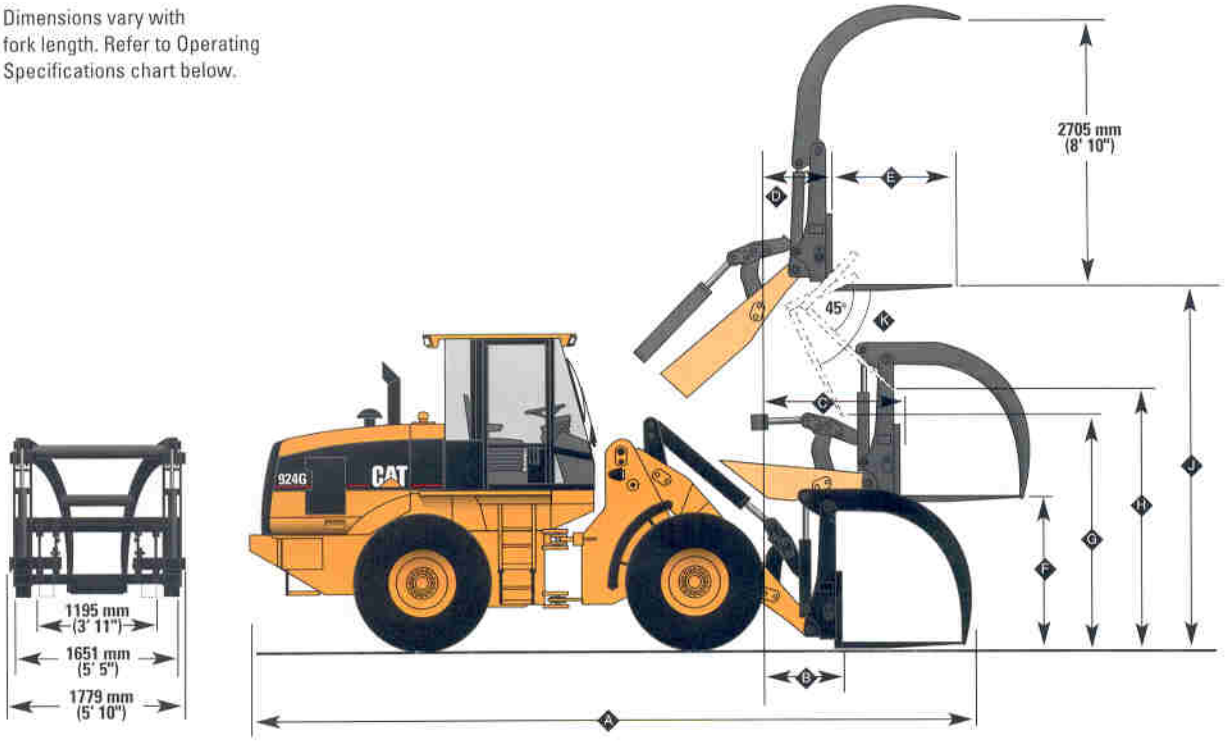
* Static tipping and operating weights shown are for a 924G with optional counterweight, lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 17.5 - 25 12PR (L2) tires.

Note: Machine stability and operating weights are affected by tire size, tire ballast and other work tools.

Dimensions with Standard VersaLink and Millyard Forks

All dimensions are approximate.

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



Operating Specifications with standard VersaLink and Millyard Forks

Fork Type	Hook-On Fork	Pin-On Fork
Operating load:		
Per SAE J1197 FEB91 (50% of full turn static tipping load)	2126 kg (4677 lb)	2336 kg (5139 lb)
Per EN 474-3, log handling, rough terrain (75% of full turn static tipping load)	3189 kg (7016 lb)	3505 kg (7711 lb)
Per EN 474-3, log handling, firm & level ground (85% of full turn static tipping load)	3614 kg (7951 lb)	3972 kg (8738 lb)
Overall length (A)	7681 mm (25' 2")	7570 mm (24' 10")
Fork tine length (E)	1220 mm (48")	1220 mm (48")
Load center	616 mm (24.3")	592 mm (23.3")
Reach with forks at ground level (B)	1044 mm (3' 5")	940 mm (3' 1")
Reach with level arm (C)	1672 mm (5' 6")	1511 mm (5')
Reach at full lift (D)	873 mm (2' 10")	712 mm (2' 4")
Lift height with level arm (F)	1734 mm (5' 8")	1668 mm (5' 6")
Maximum lift height with level forks (J)	3582 mm (11' 9")	3515 mm (11' 6")
Maximum dump angle at full lift (K)	69°	48°
Fork clearance at full lift and 45° discharge (H)	2394 mm (7' 10")	2465 mm (8' 1")
Fork clearance at full lift and full dump (G)	2073 mm (6' 10")	2423 mm (7' 11")
Static tipping load with level arm and forks, straight*	4944 kg (10,877 lb)	5412 kg (11 906 lb)
Static tipping load with level arm and forks, full 40° turn*	4252 kg (9354 lb)	4673 kg (10 280 lb)
Operating weight*	10 767 kg (23,687 lb)	10 655 kg (23,441 lb)

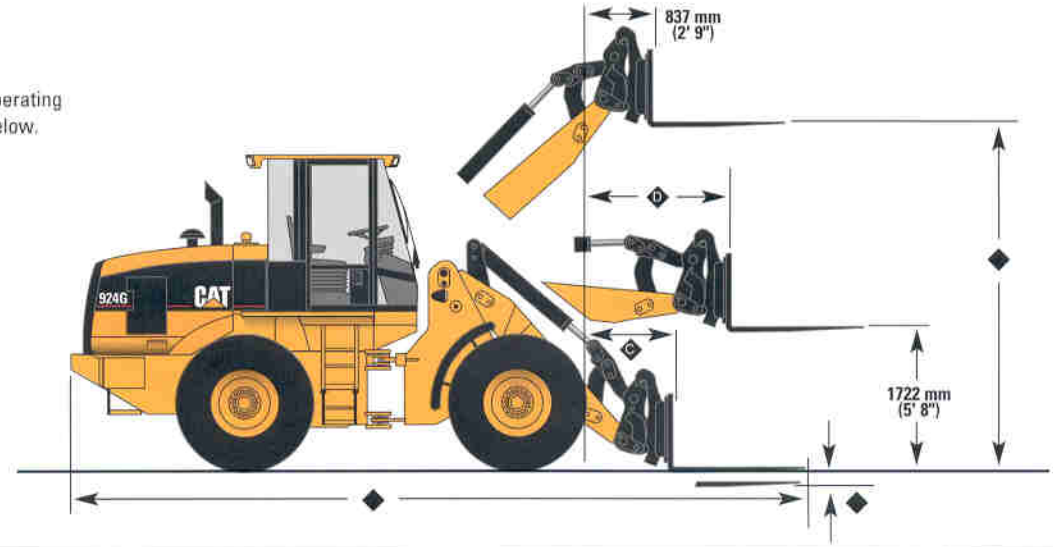
* Static tipping and operating weights shown are for an 924G with optional counterweight, lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 17.5 25 12PR (L2) tires.

Tipping load is defined by SAE J732 JUN92.

Dimensions with Pallet Forks

All dimensions are approximate.

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



Operating Specifications with Pallet Forks

	Fork Tine Length	
Equipped with standard VersaLink:	**1200 mm (3' 11")**	**1350 mm (4' 5")**
Operating load:		
Per SAE J1197 FEB91 (50% of FTSTL)	2462 kg (5416 lb)	2361 kg (5194 lb)
Per EN 474-3, rough terrain (60% of FTSTL)	2954 kg (6499 lb)	2833 kg (6232 lb)
Per EN 474-3, firm & level ground (80% of FTSTL)	3938 kg (8664 lb)	3778 kg (8312 lb)
Overall length (A)	7618 mm (25')	7783 mm (25' 6")
Dig depth to underside of forks (B)	100 mm (4")	100 mm (4")
Reach with forks at ground level (C)	1007 mm (3' 4")	1022 mm (3' 4")
Reach with level arm (D)	1636 mm (5' 4")	1651 mm (5' 5")
Maximum lift height with level forks (E)	3569 mm (11' 8")	3584 mm (11' 9")
Load center	600 mm (23.6")	675 mm (26.6")
Static tipping load with level arms and forks, straight*	5628 kg (12,382 lb)	5406 kg (11,893 lb)
Static tipping load with level arms and forks, full 40° turn*	4923 kg (10,830 lb)	4722 kg (10,388 lb)
Operating weight*	10 067 kg (22,147 lb)	10 127 kg (22,279 lb)
Equipped with High Lift VersaLink:		
Operating load:		
Per SAE J1197 FEB91 (50% of FTSTL)	2098 kg (4616 lb)	2015 kg (4433 lb)
Per EN 474-3, rough terrain (60% of FTSTL)	2518 kg (5540 lb)	2418 kg (5320 lb)
Per EN 474-3, firm & level ground (80% of FTSTL)	3357 kg (7385 lb)	3224 kg (7093 lb)
Overall length (A)	8115 mm (26' 8")	8280 mm (27' 2")
Dig depth to underside of forks (B)	110 mm (4")	110 mm (4")
Reach with forks at ground level (C)	1503 mm (4' 11")	1518 mm (5')
Reach with level arm (D)	2027 mm (6' 8")	2042 mm (6' 8")
Maximum lift height with level forks (E)	4076 mm (13' 4")	4091 mm (13' 5")
Load center	600 mm (23.6")	675 mm (26.6")
Static tipping load with level arms and forks, straight*	4817 kg (10,597 lb)	4635 kg (10,197 lb)
Static tipping load with level arms and forks, full 40° turn*	4196 kg (9231 lb)	4030 kg (8866 lb)
Operating weight*	10 174 kg (22,383 lb)	10 234 kg (22,535 lb)

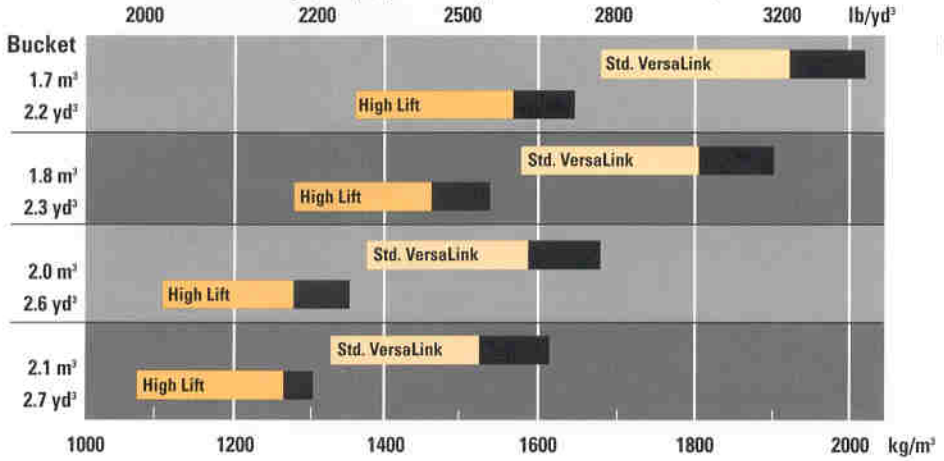
* Static tipping and operating weights shown are for a 924G with optional counterweight, lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 17.5 25 12PR (L2) tires. Tipping load is defined by SAE J732 JUN92.

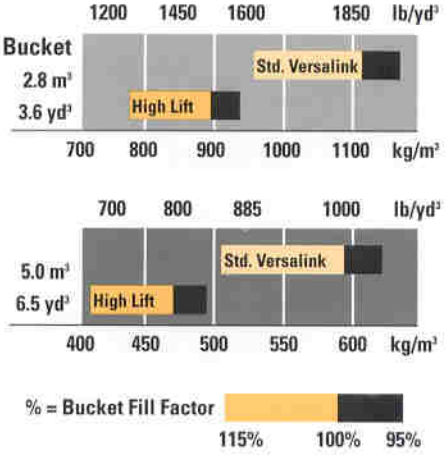
Pin-on Buckets

General Purpose						Penetration	Waste/Ag	Woodchip
Bolt-On Cutting Edge		Bolt-On Teeth & Segments*		Bolt-On Teeth*		Flush Mounted Teeth*	Bolt-On Cutting Edge	Bolt-On Cutting Edge
1.8 2.3	2.1 2.7	1.8 2.3	2.1 2.7	1.7 2.2	2.0 2.6	1.7 2.2	2.8 3.6	5.0 6.5
1.5 2.0	1.7 2.2	1.5 2.0	1.7 2.2	1.4 1.8	1.6 2.1	1.4 1.8	2.3 3.0	4.1 5.3
2550 8' 4"	2550 8' 4"	2585 8' 6"	2585 8' 6"	2585 8' 6"	2585 8' 6"	2594 8' 6"	2550 8' 4"	3392 11' 2"
3358 11'	3290 10' 9"	3254 10' 8"	3185 10' 5"	3254 10' 8"	3185 10' 5"	3274 10' 9"	3153 10' 4"	3025 9' 11"
961 3' 2"	1029 3' 4"	1064 3' 6"	1132 3' 8"	1064 3' 6"	1132 3' 8"	1079 3' 6"	1168 3' 10"	1124 3' 8"
1924 6' 4"	1962 6' 5"	1981 6' 6"	2016 6' 7"	1981 6' 6"	2016 6' 7"	2005 6' 7"	2035 6' 8"	1923 6' 4"
2621 8' 7"	2718 8' 11"	2767 9' 1"	2864 9' 5"	2767 9' 1"	2864 9' 5"	2765 9' 1"	2911 9' 7"	2995 9' 10"
142 5.5"	150 6"	142 5.5"	150 6"	117 4.5"	125 5"	117 4.5"	167 6.5"	167 6.5"
7529 24' 8"	7631 25'	7675 25' 2"	7777 25' 6"	7658 25' 1"	7760 25' 6"	7656 25' 1"	7836 25' 8"	7920 26'
5527 18' 2"	5639 18' 6"	5527 18' 2"	5639 18' 6"	5527 18' 2"	5639 18' 6"	5527 18' 2"	5762 18' 11"	6008 19' 9"
11 602 38' 1"	11 662 38' 3"	11 724 38' 6"	11 784 38' 8"	11 724 38' 6"	11 784 38' 8"	11 710 38' 5"	11 784 38' 8"	12 570 41' 3"
6396 14,071	6337 13,941	6235 13,717	6117 13,457	6392 14,062	6277 13,809	6472 14,238	6116 13,455	5783 12,723
5557 12,225	5500 12,100	5395 11,869	5281 11,618	5545 12,199	5440 11,968	5627 12,379	5292 11,642	4960 10,912
11 445 25,180	10 396 22,871	11 332 24,930	10 245 22,541	12 268 26,990	11 064 24,341	12 356 27,184	8747 19,243	8050 17,710
10 346 22,761	10 374 22,823	10 481 23,058	10 555 23,221	10 395 22,869	10 423 22,930	10 314 22,690	10 490 23,078	10 827 23,819

Bucket Size Selector

Material Density (see page 17 for typical material densities)





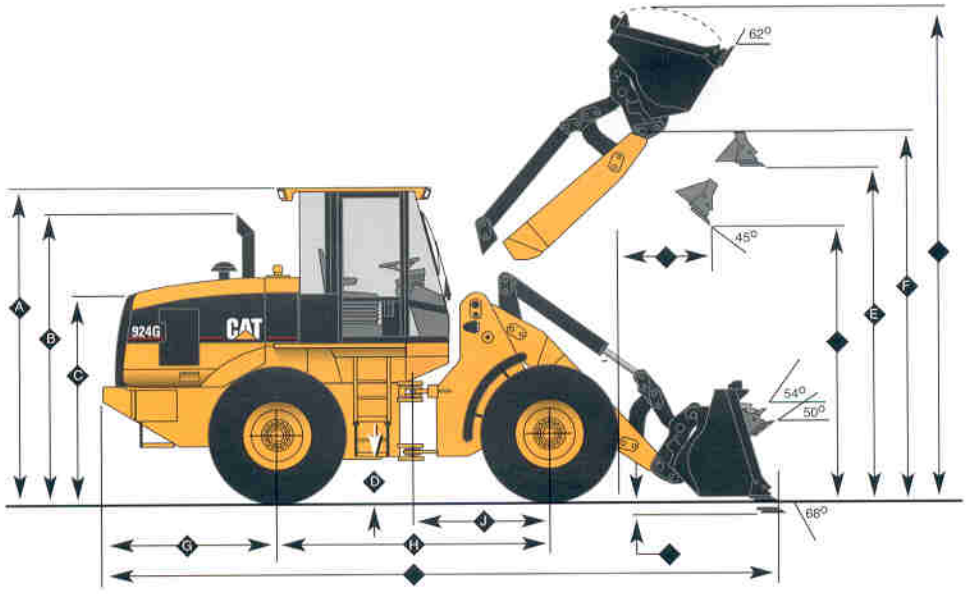
High Lift VersaLink and Bucket
Operating Specifications and Dimensions

Hook-on Buckets using Quick Coupler

		General Purpose						Penetration	Waste/Ag	Woodchip
		Bolt-On Cutting Edge		Bolt-On Teeth & Segments*		Bolt-On Teeth*		Flush Mounted Teeth*	Bolt-On Cutting Edge	Bolt-On Cutting Edge
Rated bucket capacity (§)	m^3	1.8	2.1	1.8	2.1	1.7	2.0	1.7	2.8	5.0
	yd^3	2.3	2.7	2.3	2.7	2.2	2.6	2.2	3.6	6.5
Struck capacity (§)	m^3	1.5	1.7	1.5	1.7	1.4	1.6	1.4	2.3	4.1
	yd^3	2.0	2.2	2.0	2.2	1.8	2.1	1.8	3.0	5.3
Bucket width	mm	2550	2550	2585	2585	2585	2585	2594	2550	3392
	ft/in	8' 4"	8' 4"	8' 6"	8' 6"	8' 6"	8' 6"	8' 6"	8' 4"	11' 2"
Dump clearance at full lift and 45° discharge (§)	mm	3267	3198	3163	3094	3163	3094	3183	3062	2951
	ft/in	10' 9"	10' 6"	10' 5"	10' 2"	10' 5"	10' 2"	10' 5"	10"	9' 8"
Reach at full lift and 45° discharge (§)	mm	1068	1136	1171	1240	1171	1240	1186	1274	1233
	ft/in	3' 6"	3' 9"	3' 10"	4' 1"	3' 10"	4' 1"	3' 11"	4' 2"	4'
Reach at 45° discharge and 2130 mm (7 ft 0 in) clearance (§)	mm	1991	2026	2044	2076	2044	2076	2068	2093	1989
	ft/in	6' 6"	6' 8"	6' 8"	6' 10"	6' 8"	6' 10"	6' 9"	6' 10"	6' 6"
Reach with lift arms horizontal and bucket level	mm	2761	2858	2907	3004	2907	3004	2905	3051	3124
	ft/in	9' 1"	9' 4"	9' 6"	9' 10"	9' 6"	9' 10"	9' 6"	10'	10' 3"
Digging depth (§)	mm	143	151	143	151	118	126	118	168	143
	in	5.5"	6"	5.5"	6"	4.5"	5"	4.5"	6.5	5.5"
Overall length	mm	7670	7772	7816	7918	7798	7901	7797	7976	8033
	ft/in	25' 2"	25' 6"	25' 8"	26'	25' 7"	25' 11"	25' 7"	26' 2"	26' 4"
Overall height with bucket at full raise (§)	mm	5616	5726	5616	5726	5616	5726	5616	5849	6110
	ft/in	18' 5"	18' 10"	18' 5"	18' 10"	18' 5"	18' 10"	18' 5"	19' 2"	20' 1"
Loader clearance circle with bucket in carry position (§)	mm	11 680	11 740	11 804	11 866	11 804	11 866	11 790	11 867	12 622
	ft/in	38' 4"	38' 6"	38' 9"	38'11"	38' 9"	38' 11"	38' 8"	38' 11"	41' 5"
Static tipping load straight (§)	kg	6082	6004	5922	5785	6074	5944	6132	5794	5505
	lb	13,380	13,209	13,028	12,727	13,363	13,077	13,490	12,747	12,111
Static tipping load full 40° turn (§)	kg	5268	5193	5108	4975	5253	5133	5313	4995	4699
	lb	11,590	11,425	11,238	10,954	11,557	11,293	11,689	10,989	10,338
Breakout force (§)	kg	9956	9130	9842	8978	10 565	9635	10 640	7802	7241
	lb	21,903	20,087	21,653	19,752	23,244	21,197	23,408	17,164	15,931
Operating weight	kg	10 467	10 516	10 602	10 697	10 517	10 566	10 458	10 629	10 993
	lb	23,027	23,135	23,324	23,533	23,137	23,245	23,008	23,384	24,185

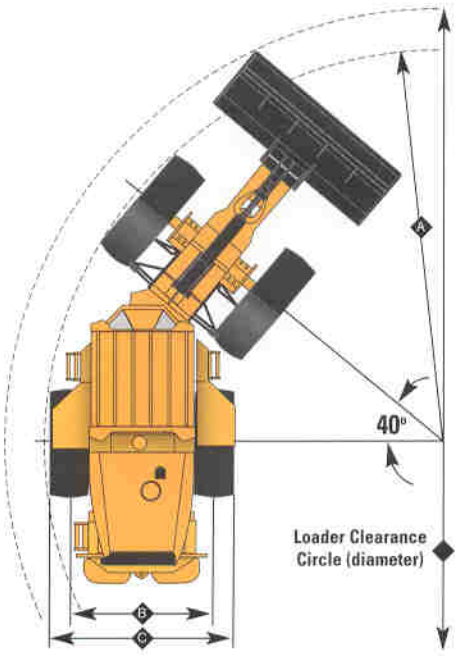
	High Lift VersaLink
A	3158 mm (10' 5")
B	2894 mm (9' 6")
C	2060 mm (6' 9")
D	367 mm (1' 2")
E	3995 mm (13' 1")
F	4319 mm (14' 2")
G	1934 mm (6' 4")
H	2800 mm (9' 2")
J	1400 mm (4' 7")

◆ - dimensions vary with bucket. Refer to chart above.



Pin-on Buckets

General Purpose						Penetration	Waste/Ag	Woodchip
Bolt-On Cutting Edge		Bolt-On Teeth & Segments*		Bolt-On Teeth*		Flush Mounted Teeth*	Bolt-On Cutting Edge	Bolt-On Cutting Edge
1.8 2.3	2.1 2.7	1.8 2.3	2.1 2.7	1.7 2.2	2.0 2.6	1.7 2.2	2.8 3.6	5.0 6.5
1.5 2.0	1.7 2.2	1.5 2.0	1.7 2.2	1.4 1.8	1.6 2.1	1.4 1.8	2.3 3.0	4.1 5.3
2550 8' 4"	2550 8' 4"	2585 8' 6"	2585 8' 6"	2585 8' 6"	2585 8' 6"	2594 8' 6"	2550 8' 4"	3392 11' 2"
2850 9' 4"	2781 9' 2"	2746 9'	2677 8' 9"	2746 9'	2677 8' 9"	2766 9' 1"	2645 8' 8"	2518 8' 3"
960 3' 2"	1028 3' 4"	1063 3' 6"	1131 3' 8"	1063 3' 6"	1131 3' 8"	1078 3' 6"	1166 3' 10"	1123 3' 8"
1494 4' 11"	1527 5'	1543 5' 1"	1572 5' 2"	1543 5' 1"	1572 5' 2"	1569 5' 2"	1587 5'2"	1460 4' 10"
2230 7' 4"	2327 7' 8"	2376 7' 10"	2473 8' 1"	2376 7' 10"	2473 8' 1"	2374 7' 10"	2516 8' 3"	2604 8' 6"
132 5"	140 5.5"	132 5"	140 5.5"	107 4"	115 4.5"	107 4"	157 6'	157 6"
7039 23' 1"	7143 23' 5"	7185 23' 7"	7289 23'11"	7164 23' 6"	7268 23' 10"	7162 23' 6"	7350 24' 1"	7434 24' 5"
5020 16' 6"	5132 16' 10"	5020 16' 6"	5132 16' 10"	5020 16' 6"	5132 16' 10"	5020 16' 6"	5254 17' 3"	5501 18' 1"
11 136 36' 6"	11 190 36' 9"	11 250 36'11"	11 306 37' 1"	11 250 36'11"	11 306 37' 1"	11 242 36' 11"	11 301 37' 1"	12 112 39' 9"
7874 17,323	7801 17,162	7708 16,958	7573 16,660	7894 17,367	7739 17,026	7969 17,532	7536 16,579	7199 15,838
6875 15,125	6806 14,973	6708 14,758	6579 14,474	6884 15,145	6744 14,837	6962 15,316	6558 14,428	6223 13,690
11 452 25,195	10 405 22,891	11 330 24,925	10 243 22,535	12 251 26,952	11 052 24,315	12 345 27,158	8757 19,265	8050 17,710
10 238 22,524	10 266 22,585	10 374 22,823	10 448 22,986	10 288 22,634	10 316 22,695	10 207 22,455	10 382 22,840	10 720 23,584



	17.5 - 25 12PR(L-2)	20.5 - 25 12PR(L-2)
A	5070 mm (16' 8")	5135 mm (16' 10")
B	1880 mm (6' 2")	1880 mm (6' 2")
C	2356 mm (7' 9")	2466 mm (8' 1")
change in vertical dimension	--	+68 mm (+3")

* Dimension varies with bucket. Refer to chart above. Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standards specifies the cutting edge.

Specifications shown are for 924G with optional counterweight, standard lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 17.5 - 25 12PR (L2) tires.

Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers (SAE). SAE Standards J732 JUN92 and J742 FEB85 govern loader rating, denoted in the text by (§).

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 (.2-2")	1690	2849
wet, 6-50 mm (.2-2")	2020	3406
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
Wood chips	400	680

Standard VersaLink and Bucket
Operating Specifications and Dimensions

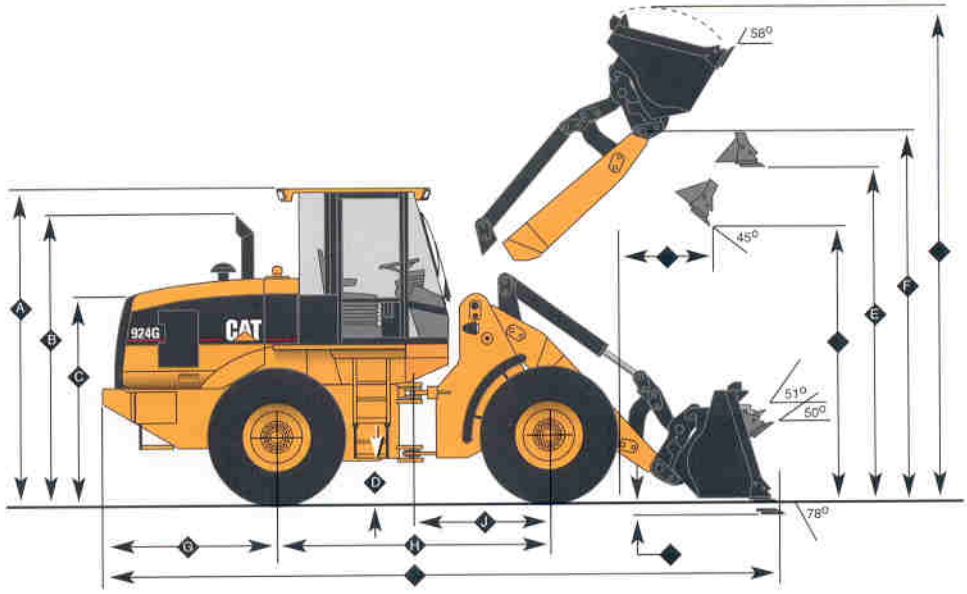
Hook-on Buckets using Quick Coupler

General Purpose						Penetration	Waste/Ag	Woodchip
Bolt-On Cutting Edge		Bolt-On Teeth & Segments*		Bolt-On Teeth*		Flush Mounted Teeth*	Bolt-On Cutting Edge	Bolt-On Cutting Edge
1.8	2.1	1.8	2.1	1.7	2.0	1.7	2.8	5.0
2.3	2.7	2.3	2.7	2.2	2.6	2.2	3.6	6.5
1.5	1.7	1.5	1.7	1.4	1.6	1.4	2.3	4.1
2.0	2.2	2.0	2.2	1.8	2.1	1.8	3.0	5.3
2550	2550	2585	2585	2585	2585	2594	2550	3392
8' 4"	8' 4"	8' 6"	8' 6"	8' 6"	8' 6"	8' 6"	8' 4"	11' 2"
2760	2691	2656	2587	2656	2587	2676	2555	2444
9' 1"	8' 10"	8' 9"	8' 6"	8' 9"	8' 6"	8' 9"	8' 5"	8'
1067	1135	1170	1238	1170	1238	1185	1273	1233
3' 6"	3' 9"	3' 10"	4' 1"	3' 10"	4' 1"	3' 11"	4' 2"	4' 1"
1554	1584	1597	1622	1597	1622	1624	1635	1516
5' 1"	5' 2"	5' 3"	5' 4"	5' 3"	5' 4"	5' 4"	5' 4"	4' 11"
2370	2467	2516	2613	2516	2613	2514	2660	2734
7' 9"	8' 1"	8' 3"	8' 7"	8' 3"	8' 7"	8' 3"	8' 9"	8' 11"
132	140	132	140	107	115	107	157	132
5"	5.5"	5"	5.5"	4"	4.5"	4"	6"	5"
7179	7283	7325	7429	7304	7408	7302	7490	7542
23' 7"	23' 11"	24'	24' 5"	23'11"	24' 4"	23' 11"	24 7"	24' 9"
5110	5220	5110	5220	5110	5220	5110	5342	5603
16' 9"	17' 2"	16' 9"	17' 2"	16' 9"	17' 2"	16' 9"	17' 6"	18' 5"
11 206	11 262	11 324	11 380	11 324	11 380	11 314	11 377	12 162
36' 9"	36' 11"	37' 2"	37' 4"	37' 2"	37' 4"	37' 1"	37' 4"	39' 11"
7470	7380	7305	7154	7484	7319	7537	7131	6867
16,434	16,236	16,071	15,739	16,465	16,102	16,581	15,688	15,107
6507	6421	6342	6196	6511	6360	6568	6187	5915
14,315	14,126	13,952	13,631	14,321	13,992	14,450	13,611	13,013
9956	9130	9835	8970	10 545	9617	10 624	7806	7222
21,903	20,087	21,636	19,733	23,198	21,158	23,372	17 173	15,890
10 360	10 408	10 495	10 590	10 409	10 458	10 351	10 522	10 886
22,792	22,898	23,089	23,298	22,900	23,008	22,772	23,148	23,949

Rated bucket capacity (§)	m^3	
	yd^3	
Struck capacity (§)	m^3	
	yd^3	
Bucket width	mm	
	ft/in	
Dump clearance at full lift and 45° discharge (§)	mm	
	ft/in	
Reach at full lift and 45° discharge (§)	mm	
	ft/in	
Reach at 45° discharge and 2130 mm (7 ft 0 in) clearance (§)	mm	
	ft/in	
Reach with lift arms horizontal and bucket level	mm	
	ft/in	
Digging depth (§)	mm	
	in	
Overall length	mm	
	ft/in	
Overall height with bucket at full raise (§)	mm	
	ft/in	
Loader clearance circle with bucket in carry position (§)	mm	
	ft/in	
Static tipping load straight (§)	kg	
	lb	
Static tipping load full 40° turn (§)	kg	
	lb	
Breakout force (§)	kg	
	lb	
Operating weight	kg	
	lb	

	Standard VersaLink
A	3159 mm (10' 5")
B	2895 mm (9' 6")
C	2061 mm (6' 9")
D	368 mm (1' 2")
E	3488 mm (11' 5")
F	3813 mm (12' 6")
G	1934 mm (6' 4")
H	2800 mm (9' 2")
J	1400 mm (4' 7")

◆ - Dimensions vary with bucket. Refer to chart above.



Cab

Caterpillar cab and Rollover Protective Structure (ROPS) are standard in North America and Europe.

Features

- ROPS meets the following criteria:
  - SAE J1040 MAY94.
  - ISO 3471-1994.
- also meets the following criteria for Falling Object Protective Structure:
  - SAE J231 JAN81.
  - ISO 3449-1992.

Note

When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed as per work cycle procedures specified in ANSI/SAE J1166 May 90, results in an operator sound exposure Leq (equivalent sound pressure level) of 74 dB(A). Also, when tested as per the static specifications of 86/662/EEC and dynamic specifications of 95/27/EC, the respective operator sound pressure levels is 73 dB(A).

As manufactured by Caterpillar, this machine's exterior sound power level meets the criteria spelled out in the European Directives noted on the certificate of conformance and the accompanying labeling.

Tires

Tubeless, loader design tires.

Choice of

- 17.5 - 25, 12PR (L-2)
- 17.5 - 25, 12PR (L-3)
- 17.5 R25, radial (L-2)
- 17.5 R25, radial (L-3)
- 555/70 R25, radial (L-3)
- 20.5 - 25, 12 PR (L-2)
- 20.5 - 25, 12 PR (L-3)
- 20.5 R25, radial (L-2)
- 20.5 R25, radial (L-3)
- Other tire choices are available, contact your Cat Dealer for details

Note

In certain applications (such as load and carry work) the loader's productive capabilities might exceed the tires' tonnes-km/h (ton-MPH) capabilities. Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Steering

Full hydraulic power steering. Meets ISO 5010-1992, SAE J1511-FEB94.

Ratings

Minimum turning radius: (over tire)	5070 mm (16' 8")
Steering angle, each direction:	40°
Steering cylinders, two: bore	69.9 mm (2.75 in.)
Hydraulic output at 2300 engine rpm and 6900 kPa (1000 psi)	106 liters/min (27.7 gpm)
Maximum working pressure	20 685kPa (3000 psi)

Features

- center-point frame articulation.
- front and rear wheels track.
- variable displacement piston pump provides steering power at all engine and ground speeds.
- tilt steering console.
- high-impact rubber steering stops.
- secondary steering system available to meet roading regulations in various countries, and to meet ISO 5010.

Bucket Controls

Pilot-operated lift and tilt circuits.

Lift circuit features

- four positions: raise, hold, lower and float.
- can adjust automatic kickout from horizontal to full lift.

Tilt circuit features

- three positions: tilt back, hold and dump.
- two-speed dump for quick dumping with bucket and precise load control with forks or other work tools.
- can adjust automatic bucket positioner to desired loading angle.
- does not require visual spotting.

Controls

- choice of low effort single-lever or two lever control of lift and tilt circuits.
- optional third and fourth function hydraulic circuits available with individual lever controls for remote hydraulic functions.
- controls can be disabled for roading.

Service Refill Capacities

	Liter	Gallons
Fuel tank	198	51.5
Cooling system	42	10.9
Crankcase	16	4.2
Transmission	23	6.1
Differentials and final drives:		
front	21	5.5
rear	21	5.5
Hydraulic system (including tank)	150	39
Hydraulic tank	73	19

Axles

Fixed front, oscillating rear (±12° with 17.5 - 25 L-2 tires).

Features

- Caterpillar axle with fully-enclosed brakes and final drives.
- patented Duo-Cone Seals between axle and housing.
- rear wheel can raise or drop a total of: 423 mm (16.6 in.) with 17.5 tires, or 326 mm (12.8 in) with 20.5 tires.
- conventional differentials standard.
- Limited Slip differentials are optional on front, rear or both axles.
- rear axle trunnion has remote lubrication fitting.

Brakes

Meets the following standards: SAE J1473 OCT 90, ISO 3450-1996.

Service brake features

- inboard oil-immersed disc brakes on front and rear axles are standard.
- completely enclosed and sealed.
- adjustment-free.
- separate circuits for front and rear.
- dual pedal braking system.
- switch in cab allows operator to select automatic transmission neutralizer which activates during braking.
- brakes are fully integrated with hydraulic system, no air system required.

Secondary brake features

- Indicator light alerts operator if brake pressure drops.
- continually-charged nitrogen accumulators provide stopping power after loss of engine power.

Parking brake features

- mechanical, shoe-type brake.
- mounted on drive line for positive manual operation.
- application of parking brake neutralizes the transmission.

Final Drives

Planetary final drives consist of ring gears and planetary carrier assemblies.

Features

- ring gears are pressed in and doweled into axle housing.
- carrier assemblies include planet gears with full-floating bronze sleeve bearings.
- high contact ratio gearset reduces noise levels during meshing.
- planetary reduction gears are inboard mounted for optimal protection and durability.

Loader Hydraulic System

Closed-center, load-sensing system. Pilot-operated hydraulic implement controls.

Implement system, variable displacement pump		
Output at 2300 engine rpm and 6900 kPa (1000 psi) with SAE 10W oil at 65°C (150°F)	152 liters/min	39.5 gpm
Maximum working pressure	25 900 kPa	3755 psi
Lift cylinders, double acting: bore and stroke	101.6 x 807 mm	4" x 31.8"
Tilt cylinder, double acting: bore and stroke	133.4 x 945 mm	5.25" x 37.2"

Hydraulic cycle time	Seconds
Raise	5.1
Dump	1.4
Lower, empty, float down	2.4
Total	8.9

Features

- load-sensing system provides only the flow and pressure needed to move the load.
- variable-displacement piston-type implement pump.
- low effort, pilot-operated controls.
- pilot shut-off valve disables implement functions for added safety.
- hydraulic couplings with O-Ring Face Seals.
- standard hydraulic oil cooler tilts out for easy cleaning of heat exchangers.
- Ride Control system available to reduce machine bounce when traveling.
- S•O•S oil sampling valve for hydraulic system oil.

Engine

Caterpillar four-stroke cycle, six cylinder 3056T turbocharged diesel engine.

Ratings at 2300 RPM	kW	HP
Gross power	91	122
Net power	85	114

The following ratings apply at 2300 rpm when tested under the standard conditions for the specified standard:

Net Power	kW	HP
Caterpillar	85	114
ISO 9249 (1997)	85	114
EEC 80/1269	85	114
SAE J1349:90	84	112

Dimensions		
Bore	100 mm	3.94 in.
Stroke	127 mm	5 in.
Displacement	6.0 liters	366 cu in.

Power rating conditions

- net and gross power advertised is the minimum power available at the flywheel when the engine is equipped with air cleaner, fan, muffler and alternator.
- no derating required up to 2285 m (7,495 ft) altitude.

Exhaust Emissions

The Caterpillar 3056T meets the current Stage 1/Tier 1 off-highway emission regulations world-wide.

Features

- direct-injection rotary fuel pump provides accurate fuel delivery.
- three-ring, controlled-expansion pistons lubricated by oil from the piston cooling jets.
- gear-driven water pump.
- gear-driven oil pump.
- replaceable dry liners supported over their entire length.
- replaceable valve guides and seats.
- integral plate-type oil cooler.
- piston cooling jets.
- deep-skirted, internally-stiffened cast iron block.
- one-piece cast iron cylinder heads with two valves per cylinder.
- fuel priming pump and fuel/water seperator are standard.
- direct electric 24-volt starting and charging system with two 12-volt 700 CCA Caterpillar maintenance-free batteries and 50-amp alternator.
- thermal starting aid is standard.
- heavy-duty starting system is available.
- S•O•S sampling valve for engine oil.

Transmission

Caterpillar transmission with four forward, three reverse speed ranges and full power shift capability.

Electronically-controlled Caterpillar countershaft transmission with full on-the-go directional and speed change capability. Optional low speed transmission available for better match with attachments requiring high hydraulic flow.

Features

- high-energy friction materials and thick reaction plates for better tolerance of heat.
- high-contact ratio spur gears are precision ground and heat treated for quiet, reliable operation.
- electronic autoshift is standard.
- button on implement control lever allows downshifting on demand.
- dampened shifting provides smoother transitions.
- S•O•S oil sampling valve for transmission oil.

Standard Transmission:

Max travel speeds (17.5-25 L-2 tires):

		km/h	MPH
Forward	1	6.7	4.2
	2	12.2	7.6
	3	21.8	13.5
	4	38.5	23.9
Reverse	1	6.5	4.0
	2	11.9	7.4
	3	21.6	13.4

Optional Low Speed Transmission:

Max travel speeds (17.5-25 L-2 tires):

		km/h	MPH
Forward	1	3.2	2.0
	2	6.6	4.1
	3	18.2	11.3
	4	38.5	23.9
Reverse	1	3.5	2.2
	2	7.2	4.5
	3	19.7	12.2

Environmentally Responsible Design

Caterpillar machines not only help you build a better world, they help maintain and preserve the fragile environment.

More performance. The 924G provides more performance than ever before in a machine this size. That means more work done in a day, less fuel consumed and minimal impact on the environment.

Low exhaust emissions. The Cat 3056T is a low emission engine designed to meet current worldwide emission regulations.

Quiet operation. Not only is the cab quiet, but spectators outside hear little noise too. That is because the remote cooling system allows the 924G's engine to be fully enclosed – less noise escapes.

Extra sound suppression with an optional package makes the 924G even quieter* so it's ideal for sound-sensitive applications like urban and night work, and when used for snow removal.

* exterior sound pressure measures 6 decibels less compared to a standard-equipped machine.

Ozone protection. The 924G's air conditioning unit uses only R-134a refrigerant which does not contain harmful chlorofluorocarbons (CFC's).

Caterpillar biodegradeable hydraulic oil can be used in the 924G, providing a more environmentally-sound alternative to mineral-based oils.

Fewer leaks and spills. Lubricant fillers and drains are designed to minimize spills. Cat O-Ring Face Seals, XT Hose and hydraulic cylinders help prevent fluid leaks that rob the machine of performance and harm the environment.

Longer service intervals. 500-hour engine service intervals and Cat Extended Life Coolant/Antifreeze (up to 6,000-hour service) mean there is less disposal of used fluids.

Rebuildable components. Many of the major components used in the 924G are designed for rebuildability. That means you can have high-quality, certified replacement parts at a fraction of the cost of new. Plus there is less scrap for disposal.

Complete Customer Support

Cat dealer services ensure the 924G a longer service life and lower operating costs.

Your Cat dealer offers a wide range of services that can be set up under a customer support agreement. Choose a plan that can cover everything from machine and work tool selection to replacement intervals to get the best return on your machine investment.

Selection. Your Cat dealer can help you make detailed comparisons of machines you are considering before you buy. You can compare things like expected component life, the cost of preventive maintenance and the true cost of lost production.

Purchase. Look past initial price. Consider the financing options available, as well as daily operating costs. You can also look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over the life of the machine.

Maintenance. Choose from your Cat dealer's wide range of maintenance services for your 924G. Repair option programs guarantee the cost of repairs. Diagnostic programs such as S•O•S Oil Analysis and Technical Analysis help you avoid unscheduled repairs.

Replacement. Your Cat dealer can help you evaluate the cost involved with repairing, rebuilding or replacing. You can be assured that the choice you make will be the right one.

Product support. Nearly all parts needed to support the 924G are already available at your dealer's parts counter. And you can save money with remanufactured parts. You receive the same warranty and reliability as new parts, but at a cost savings of 40 to 70 percent.

Serviceability

Improved access and less maintenance requirements add up to unparalleled ease of service.

Easy, wide open access. Gull-wing doors with pneumatically-assisted lift cylinders effortlessly lift up for exceptional access to the engine and power train components. All filters and service points are within easy reach.

Simplified routine service. All service points are accessible from ground level and are grouped in two locations. Sight gauges allow easy check of radiator coolant, hydraulic oil and transmission oil levels.

Swing-out cooling fan allows quick, easy cleaning and service of the radiator. The fan is hydraulically driven and separated from the engine compartment. This innovative system features:

- cooling fan, oil cooler and A/C condenser swing away for excellent access;
- high-efficiency fan and shroud;
- very low-noise operation;
- simple design for high reliability;
- radiator and coolant hoses remain stationary;
- hydraulic oil cooler is standard;
- uses Cat Extended Life Coolant/ Antifreeze for extended operation (up to 6,000 hr.) between changes.

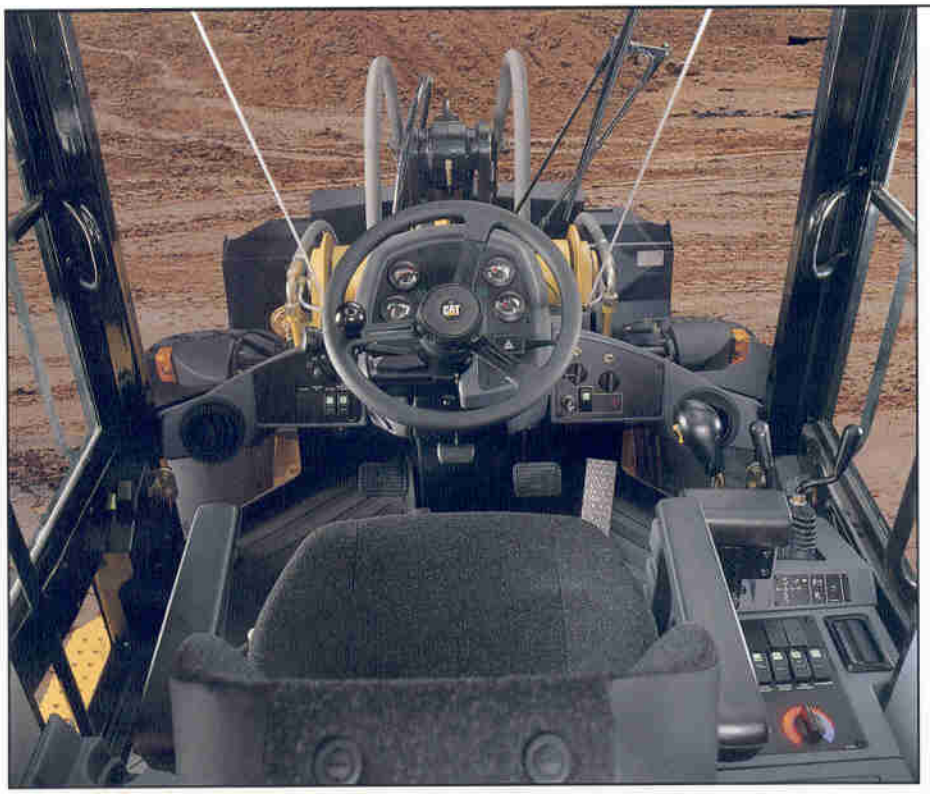
Scheduled Oil Sampling (S•O•S) valves are factory installed for improved access to engine, transmission and hydraulic oils. S•O•S valves make oil sampling quicker, cleaner and provides the best oil sample for analysis.

Other service features include:

- longer service intervals:
  - up to 500 hours for engine;
  - up to 6000 hours for coolant;
- spin-on filters for engine oil, transmission oil and hydraulic oil easy to reach and change with minimal risk of oil spill;
- self-diagnostic transmission and data link allow quick, easy troubleshooting by service personnel;
- driveshaft is permanently lubricated;
- adjustment-free brakes;
- adjustment-free engine fuel system.

Operator Station

Ergonomic design emphasizes comfort, visibility and easy operation.



The G-Series cab is a spacious and comfortable work environment that includes larger windows, more interior room, better ergonomics, generous storage areas and a dramatic reduction in interior sound levels.

Access/egress is through a two-door design. Both doors open fully and lock flush against the cab. Doors are available with solid or sliding glass windows.

Larger windows have more glass area for exceptional visibility. All glass is flat so replacement panels are readily available and less costly than curved glass.

Interior sound power (dB) has been cut in half compared to former models* by a combination of improved sound insulation and low-noise components. High-efficiency engine cooling system helps reduce exterior sound level. In all, the 924G is one of the quietest machines in its size class.

* interior sound pressure measures 3 decibels less than former models.

Comfortable, low-effort operation is made possible by:

- pilot hydraulic implement controls;
- padded, adjustable wrist rest;
- remote transmission control option (adds forward/neutral/reverse control switch on the implement lever);
- load-sensing, closed-center steering system with flow amplification;
- dual, suspended brake pedals with transmission neutralizer;
- tilt console with infinite adjustment.

Generous storage space includes a lockable compartment, coat hook and molded compartments designed to hold:

- lunchbox/cooler;
- Thermos vacuum bottle;
- cup or can.

Seat options include a basic seat with fully adjustable fore/aft position, seatback angle, bottom cushion height, armrest angle and suspension stiffness. Seat cover is a combination of durable, breathable cloth and vinyl.

Other seat options include:

- Cat Contour Series Seat with the addition of adjustable backrest and lumbar support.
- Cat Contour Series Seat with air suspension, electrically adjustable.
- basic seat with all vinyl covering.
- basic seat, fabric covering, heated cushions (thermostatically controlled) and seat-activated parking brake warning.

All seats include a comfortable 75 mm (3 in.) wide retractable seat belt.

Customize the cab with:

- 12 VDC converter for powering 12V electronics;
- radio prep packages for installation of a radio later;
- sun visor for windshield;
- roll-down sun screen for rear window;
- external mirror package;
- auxiliary lighting packages.

Versatility

Increase your productivity by performing a variety of jobs with one machine.

Bucket loading. Whether on a construction site, underground utility job or handling aggregate, the 924G demonstrates strong performance as a bucket loading machine. Exceptional rimpull, high breakout and lift forces help make short work of excavation and other bucket loading applications. Equip the 924G with a wide range of Caterpillar buckets including:

- general purpose;
- excavating;
- loose material;
- multi-purpose;
- side-dump;
- high-dump;
- skeleton.

Material handling. Exceptional visibility and heavy-lift capabilities enable you to work quickly and efficiently with the 924G as a material handler. A wide range of tools are available such as:

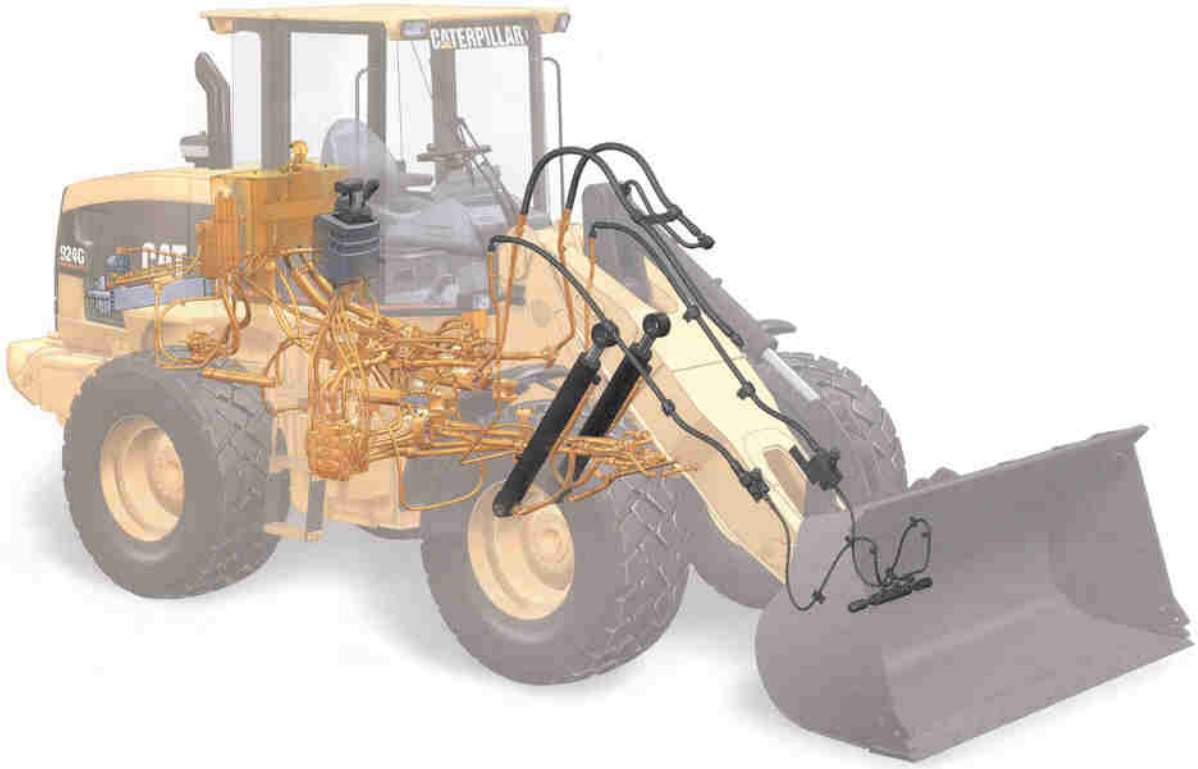
- pallet forks;
- lumber & log forks, with or without top clamp, coupler-mounted or pin-on;
- material handling arm;
- tire loaders;
- specialty clamps.

Special applications. With the wide variety of work tools offered by Caterpillar and other third-party manufacturers, the application spectrum of the 924G is limited only by your imagination. Some of the specialty tools include:

- dozer blades;
- snow plows;
- hydraulic brooms;
- asphalt cutter;
- loader rakes;
- and many others.

Hydraulic System

New modular system provides improved efficiency, low-effort controls and easy operation.



Modular hydraulic system designed by Caterpillar provides low-effort operation and greater control:

- separate steering and implement pumps improve machine response;
- load-sensing steering gives priority to the steering system on demand, making more power available for rimpull, breakout and lift forces;
- system is designed to manage use of engine power and lower fuel consumption;
- load-sensing implement hydraulics provide exceptional second gear hydraulic-to-rimpull match for better performance in tough materials;
- simultaneous lift and tilt functions improve productivity by up to thirty percent;
- velocity modulation of lift and tilt functions ... the further you pull or push the lever, the faster the function;
- low-effort, single-lever implement control;
- very fast loader cycle times ... faster than most z-bar machines;
- exceptional backdrag performance due to a large tilt cylinder and new check valves;
- hydraulic system is virtually drift-free.

Modular hydraulic control valves add a new dimension of versatility to simplify and lower the cost of reconfiguring the machine for additional functions.

The standard 924G comes with a two-section control valve for lift and tilt functions. If new applications increase hydraulic requirements, such as adding powered work tools, you can simply stack additional valve sections (totalling up to four) on the existing ones. This preserves your initial investment and lowers the cost of machine upgrades.

Control valves are located for convenient ground-level access, simplifying modifications to the system.

Ride Control Option provides a comfortable ride and improved material retention at all speeds. The system operates automatically, or can be turned off with a switch at the operator station. A nitrogen oil accumulator in the hydraulic lift circuit acts like a shock absorber for the loader linkage and bucket. The reaction to movement over rough ground is dampened, reducing fore and aft pitch.

Other hydraulic system features include:

- compatibility with Cat biodegradable hydraulic oil;
- pressure taps allow quick diagnosis of the whole hydraulic system;
- Caterpillar XT hose & couplings provide rugged, reliable performance with significantly reduced risk of leaks and blown lines.

High Lift version. Special applications call for special equipment. The 924G with the optional high-lift VersaLink is the ideal answer for jobs that require high lift of lighter materials:

- feedlots;
- dairies;
- waste transfer stations;
- fertilizer producers;
- miscellaneous material handling.

Quick Coupler System

Sleek new design improves visibility, performance and has positive indication when engaged.

The new Quick Coupler System (patented) enables quick and easy changes from tool-to-tool. A lever in the operator compartment activates a hydraulic cylinder for positive tool engagement or disengagement. The new design features:

- better visibility to the outside edges of buckets and work tool;
- positive indication when a work tool has been fully engaged.

The new Quick Coupler interface is fully-compatible with Quick Couplers on former Caterpillar Integrated Toolcarrier models. Work tools are interchangeable between similar-sized machines. See your Cat Dealer for details.

Optional 3rd and 4th function hydraulics are available for use with tools that require hydraulic power, such as rotary brooms, augers, high-dump and side dump buckets and others.

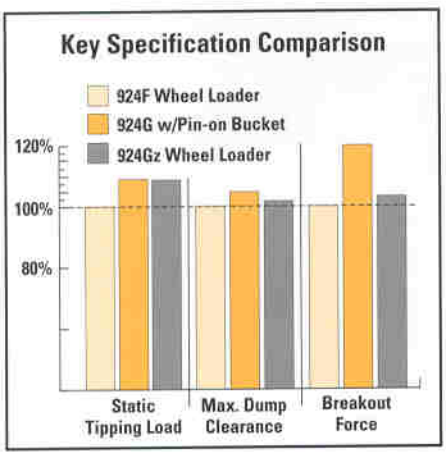
VersaLink Loader Linkage

Breakthrough new linkage design offers unparalleled versatility without compromise to performance.

The 924G uses a revolutionary new design - VersaLink Loader Linkage (patented), a one-piece fabricated box-section lift arm.

Versatility is the key benefit of this new linkage. The 924G can be configured in many ways:

- with a Quick Coupler, work tool changes are quick and easy. In this configuration, the 924G offers the versatility of an Integrated Toolcarrier and the performance of a wheel loader;



- equipped with pin-on tools, like a bucket, the 924G becomes a dedicated wheel loader, with exceptional breakout force, tipping load and dump height;
- equipped with the High Lift VersaLink option, the 924G is ideal for special applications that require more reach and lift height;
- reconfiguration of the VersaLink from pin-on to Quick Coupler or from standard linkage to High Lift linkage is possible with a minimum of new parts required.

No-compromise performance. The VersaLink linkage is designed for exceptional loader performance in a wider range of applications, offering:

- increased breakout force which shortens cycle times and increases bucket fill factors;
- higher dump clearance for working in "high target" situations that ordinary loaders cannot;
- more dig depth for better excavation performance, even when equipped with larger 20.5 x 25 tires;
- greater rackback angle for improved material retention, resulting in higher productivity.
- greater dozing angle for improved control of material when finegrading.

VersaLink's sleek design gives unobstructed visibility to critical areas like the bucket corners and fork tips for more positive, faster material and pallet handling.

Parallel lift simplifies working with palletized or stacked material. Operators can concentrate on material placement while the load automatically remains parallel throughout the lift range. And, like an Integrated Toolcarrier, the 924G can always manipulate any load it can lift.

Exceptional strength and durability
The one-piece fabricated box-section design of the VersaLink Loader Linkage delivers unprecedented torsional loading strength. The result is high rigidity, fewer stress paths for exceptional durability.

3 - Caterpillar axles and brakes.
Enclosed design allows extended operation, even in harsh environments:

- heavy-duty design features stronger gears and bearings for durable performance;
- Duo-Cone Seals keep oil in and contaminants out;
- oil-disc brakes are adjustment-free and fully enclosed;
- optional front and rear Limited Slip differentials provide maximum traction in poor underfoot or uneven floor conditions;
- oscillating rear axle helps assure four-wheel ground contact for optimum traction and stability.

Caterpillar® Power Train

Rugged, dependable Cat components carefully matched to most efficiently get maximum rimpull to the ground and full power to the loader hydraulics.

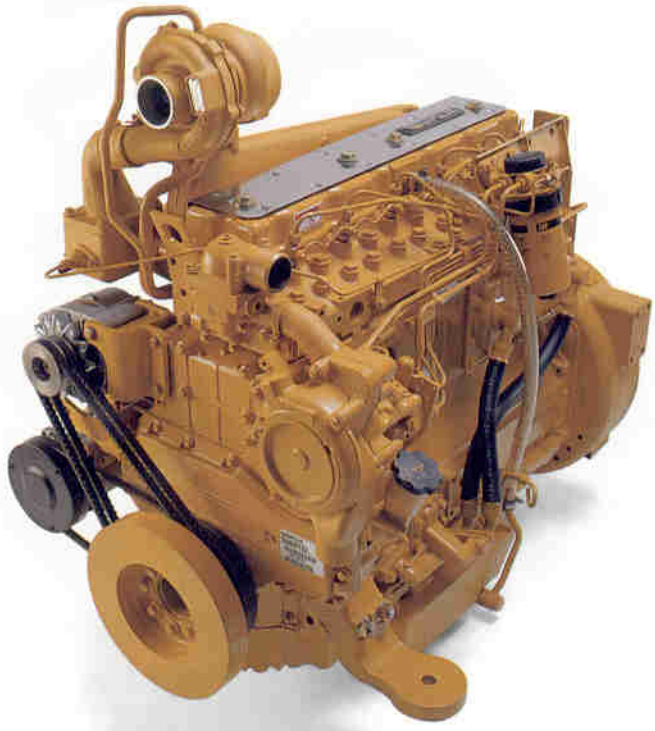
The 924G delivers fast response and aggressive performance in tough applications. The power train features a Cat 3056T diesel engine and power shift transmission precision-matched to the torque converter and rugged Caterpillar axles. The system has been carefully tested and balanced to provide optimum performance and durability in actual operating conditions.

1 - Caterpillar 3056T diesel engine.
The six-cylinder, turbocharged 3056T has a strong reputation for reliability, durability and performance:

- highly-efficient combustion chamber increases power while lowering fuel consumption, engine emissions and noise;
- meets all known current worldwide engine emission standards;
- low cylinder pressure rise and low peak pressure provide outstanding reliability and durability;
- the normal engine oil change requirement is only every 500 hours of operation;
- engine and cooling system are in separate compartments for cleaner, quieter operation and easier service.

2 - Power shift transmission with standard Autoshift.
Rugged, field-proven Caterpillar 4F/3R transmission uses heavy-duty components for durable and reliable operation. Full power shift capability and electronically-controlled Autoshift simplify operation. Plus, it's designed for easy service and rebuild:

- high-energy friction materials for better heat tolerance and thick reaction plates for better heat dissipation;
- electronic Autoshift transmission optimizes machine performance. Operator can choose auto or manual operation;
- dampened shifting provides smooth transition and reduced operator fatigue;
- designed with fewer, simpler parts for more reliable operation;
- simplified removal, disassembly and reassembly for overhaul and rebuild, making it easier to give the 924G a second or third life.
- a low-speed transmission option with lower gear ratio provides slower travel speed with high engine speed for better match with attachments that demand high hydraulic flow.



Operator Station

The G-Series operator station is designed for total control in an ergonomic and spacious environment. All controls, levers, switches and gauges are positioned to maximize comfort and productivity. Sound levels are greatly
✔ reduced. *Two-door cab offers exceptional ventilation and easy entry*
✔ *and exit. Full-length glass windshield enhances visibility.* **pg. 10**

Serviceability

Easily perform daily maintenance with ground-level access to all major service
✔ points. *New gull-wing doors provide excellent engine access and a swing-out fan assembly simplifies cooling system*
✔ *service. The normal engine oil change requirement is only every 500 hours of operation.* **pg. 11**

Environmentally Responsible Design

Quieter operation, lower engine emissions, less fluid disposal and cleaner service help you meet worldwide regulations and protect the environment. **pg. 12**

Complete Customer Support

Your Cat Dealer offers a wide range of services that help you operate longer with lower costs. Select individual services or a comprehensive Customer Support Agreement. **pg. 12**

Supplemental Specifications

	Change in Operating Weight		Change in Articulated Static Tipping Load with Hook-On Bucket	
	kg	lb	kg	lb
Air conditioner	+32	+70	+43	+95
Canopy, ROPS (less cab)	-199	-438	-168	-370
Counterweight, 175 kg/385 lb (removal)	-175	-385	-267	-587
Guard, crankcase	+15	+33	+20	+44
Guard, driveshaft	+17	+37	+3	+7
Guard, power train	+52	+114	+46	+101
Ride Control System	+40	+88	+25	+55
Secondary steering	+37	+81	+46	+101
Tires & 1-piece rims, 17.5 - 25, 12PR (L-2)	0	0	0	0
Tires & 1-piece rims, 17.5 - 25, 12PR (L-3)	+72	+158	+41	+90
Tires & 1-piece rims, 17.5 R25, radial (L-2)	+40	+88	+23	+51
Tires & 1-piece rims, 17.5 R25, radial (L-3)	+140	+308	+79	+174
Tires & 3-piece rims, 17.5 - 25, 12PR (L-2)	+124	+273	+71	+156
Tires & 3-piece rims, 17.5 - 25, 12PR (L-3)	+196	+431	+112	+246
Tires & 3-piece rims, 17.5 R25, radial (L-2)	+164	+361	+94	+207
Tires & 3-piece rims, 17.5 R25, radial (L-3)	+264	+581	+150	+330
Tires & 3-piece rims, 555/70 R25, radial (L-3)	+516	+1135	+293	+645
Tires & 3-piece rims, 20.5 - 25, 12PR (L-2)	+412	+906	+234	+515
Tires & 3-piece rims, 20.5 - 25, 12PR (L-3)	+616	+1355	+350	+770
Tires & 3-piece rims, 20.5 R25, radial (L-2)	+480	+1056	+273	+600
Tires & 3-piece rims, 20.5 R25, radial (L-3)	+652	+1434	+371	+816

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