924Gz
Wheel Loader

CAT

Bucket capacities	**1.7 - 2.1 m³**	**2.2 - 2.75 yd³**
Operating weight to	**10 940 kg**	**24,125 lb**
Cat 3056T Engine		
Gross power	**91 kW**	**122 HP**
Flywheel power	**85 kW**	**114 HP**

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 924Gz 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 a 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 increases operator efficiencies and optimizes machine performance. Operator can choose auto or manual operation;
- dampened shifting provides smoother 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 924Gz 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.

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 (North American-sourced machines only)
- 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)
Driveshaft, lubed for life
Electrical system, 24V
Engine, Caterpillar 3056T (Low Emission Diesel)
Engine enclosure, lockable
Engine fuel priming pump
Fenders (front/rear)
Hitch, drawbar
Horn, front warning (electrical)
Hour meter, electric
Hydraulic diagnostic connectors
Hydraulic oil cooler
Hydraulic control, 2-valve, 2-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, z-bar
Load-sensing steering system
Muffler
Radiator, unit serviceable
S•O•S oil sampling valves for engine, transmission and hydraulic systems
Starting aid, thermal
Steering stops, cushioned
Swing-out, hydraulically-driven fan
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

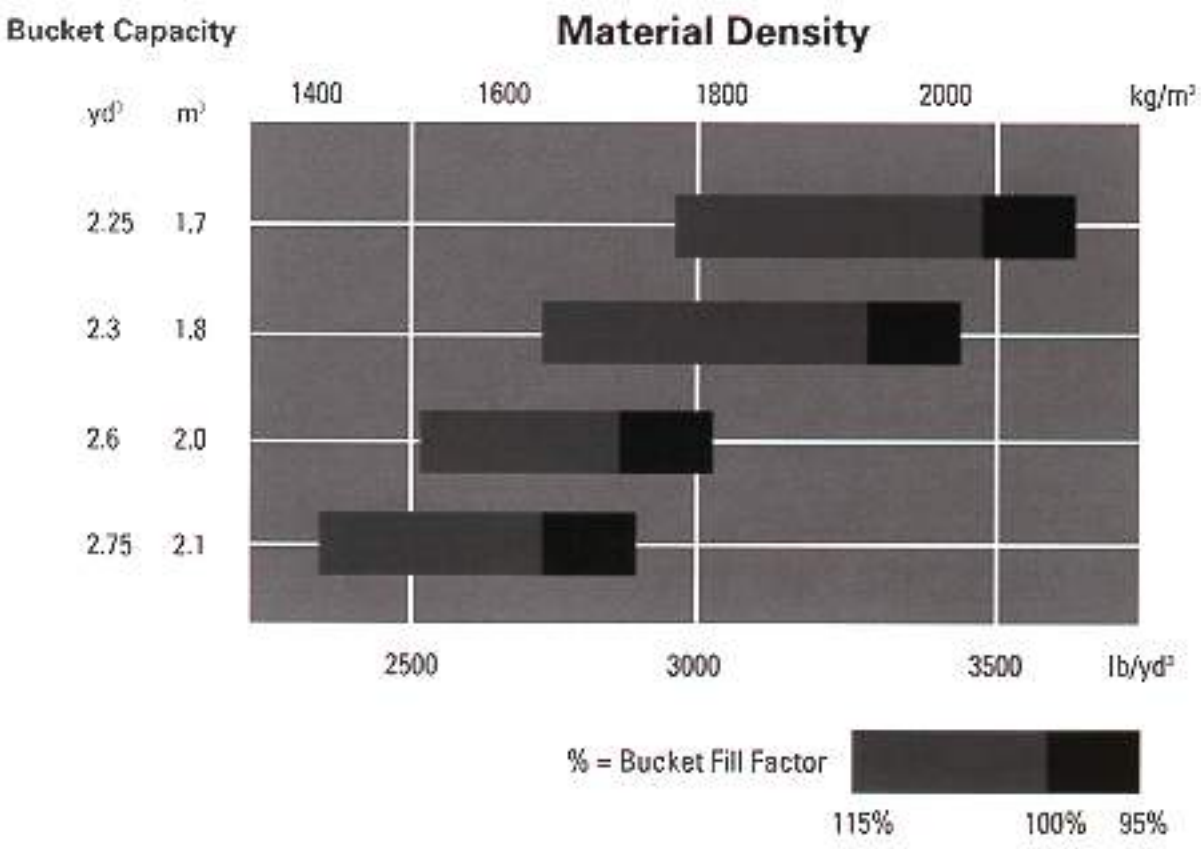
Typical material densities-loose

	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

	kg/m³	lb/yd³
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

	kg/m³	lb/yd³
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



Operating Specifications

General Purpose					
With Bolt-On Cutting Edge		With Bolt-On Teeth & Segments*		With Bolt-On Teeth*	
1.8 2.3	2.1 2.7	1.8 2.3	2.1 2.7	1.7 2.2	2.0 2.6
1.5 2.0	1.7 2.2	1.5 2.0	1.7 2.2	1.4 1.8	1.6 2.1
2550 8' 4"	2550 8' 4"	2585 8' 6"	2585 8' 6"	2585 8' 6"	2585 8' 6"
2760 9' 1"	2691 8' 10"	2656 8' 9"	2587 8' 6"	2656 8' 9"	2587 8' 6"
865 2' 10"	934 3' 1"	969 3' 2"	1037 3' 5"	969 3' 2"	1037 3' 5"
1357 4' 5"	1386 4' 6"	1399 4' 7"	1424 4' 8"	1399 4' 7"	1424 4' 8"
2133 7' 0"	2230 7' 4"	2279 7' 6"	2376 7' 10"	2279 7' 6"	2376 7' 10"
110 4"	118 4.5"	110 4"	118 4.5"	85 3.5"	93 3.5"
6890 22' 7"	6993 22' 11"	7036 23' 1"	7138 23' 5"	7017 23' 0"	7120 23' 4"
4743 15' 7"	4870 16' 0"	4743 15' 7"	4870 16' 0"	4743 15' 7"	4870 16' 0"
11 218 36' 10"	11 276 37' 0"	11 339 37' 2"	11 399 37' 5"	11 339 37' 2"	11 399 37' 5"
7868 17,310	7785 17,127	7700 16,940	7614 16,750	7862 17,296	7802 17,164
6886 15,149	6806 14,973	6717 14,777	6635 14,597	6872 15,118	6812 14,986
9876 21,727	8902 19,584	9756 21,463	8782 19,320	10 660 23,452	9535 20,977
9907 21,795	9960 21,912	10 042 22,092	10 095 22,209	9957 21,905	10 010 22,022

Rated bucket capacity (§)	m³ yd³
Struck capacity (§)	m³ yd³
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

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

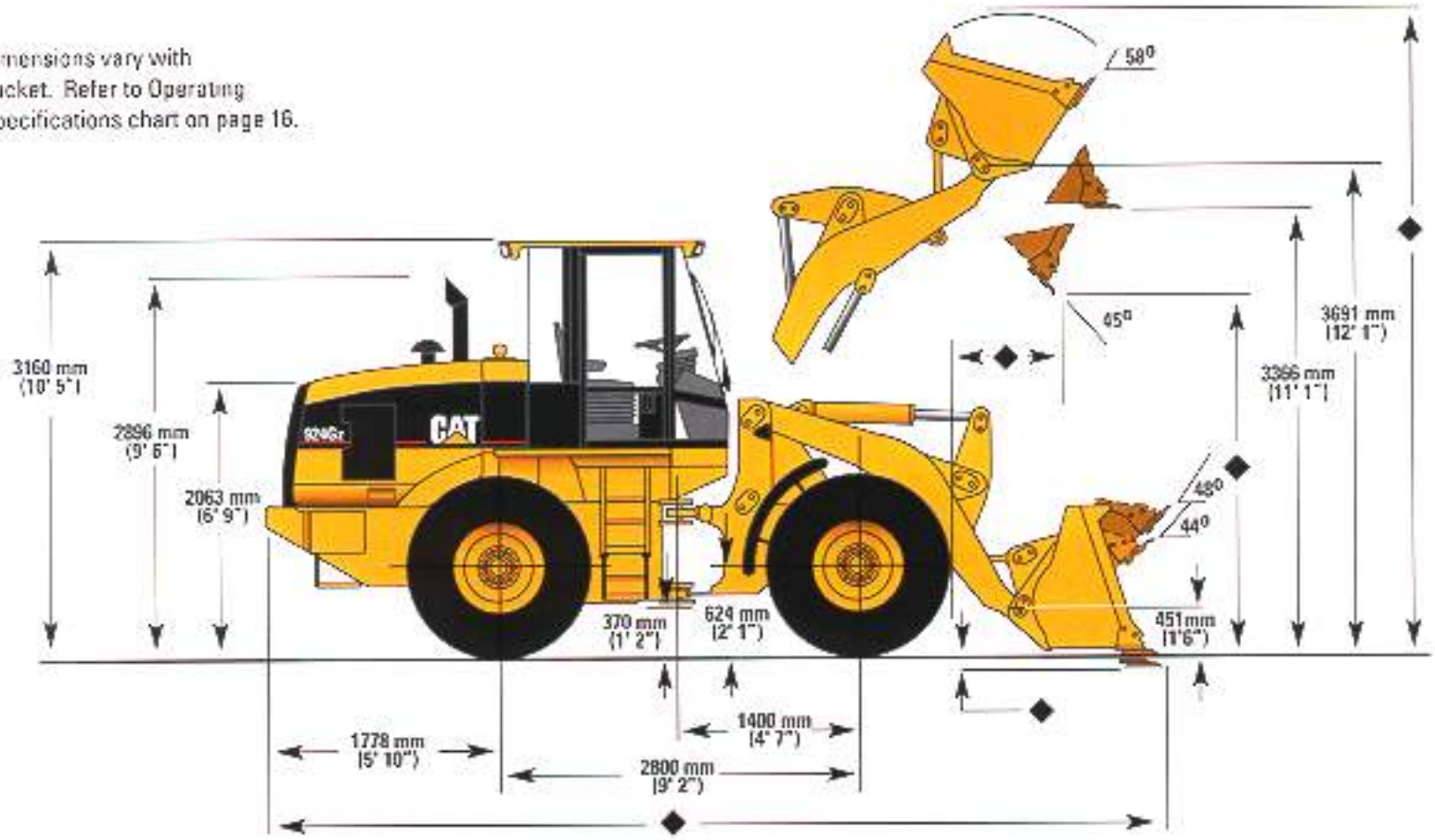
Note: Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers (SAE). SAE Standards J732 JUN92 and J742 FEB85 govern loader rating, denoted in the text by (§).

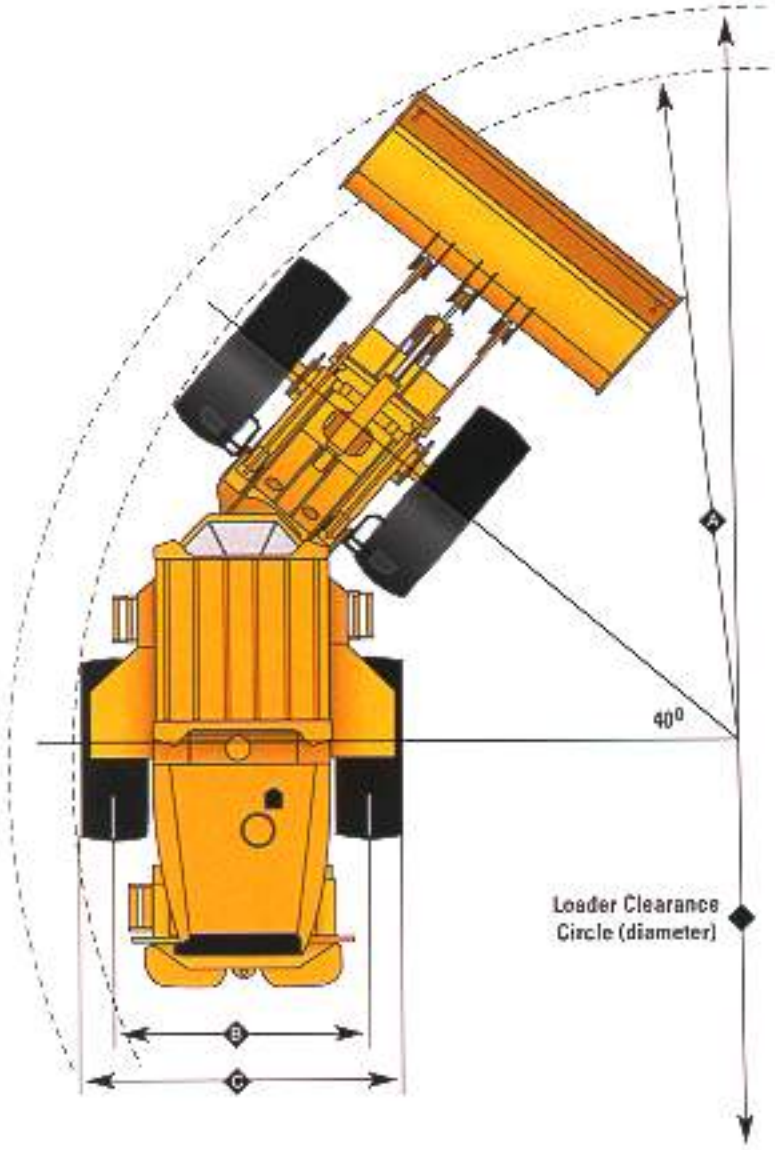
* Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standards specifies the cutting edge.

Dimensions with Bucket

All dimensions are approximate.

◆ Dimensions vary with bucket. Refer to Operating Specifications chart on page 16.





	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")

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 rpm and 6900 kPa (1000 psi):	106 liters/min (27.7 gpm)
Maximum working pressure:	20 685 kPa (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 attachments.
- 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

	Liters	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)	133	35
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 (16.7 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	107.95 x 755 mm	4.25 x 29.7"
Tilt cylinder, double acting: bore and stroke	120.6 x 520 mm	4.75 x 20.5"

Hydraulic cycle time	Seconds
Raise	5.5
Dump	1.2
Lower, empty, float down	2.7
Total	9.4

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 shutoff 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 I/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 separator 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

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 major 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 to radiator;
- high-efficiency fan and shroud;
- low-noise operation;
- simple design for high reliability;
- radiator and coolant hoses remain stationary;
- hydraulic oil cooler is standard;
- uses new 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 most representative 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 924Gz 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.

Caterpillar Buckets

Caterpillar's selection of general purpose buckets are an integral part of a machine designed to optimize performance.

Choice of Buckets. Caterpillar offers two general purpose buckets for use on the 924Gz. Careful match of bucket design and machine operating characteristics provide the best digging, loading and carrying performance.

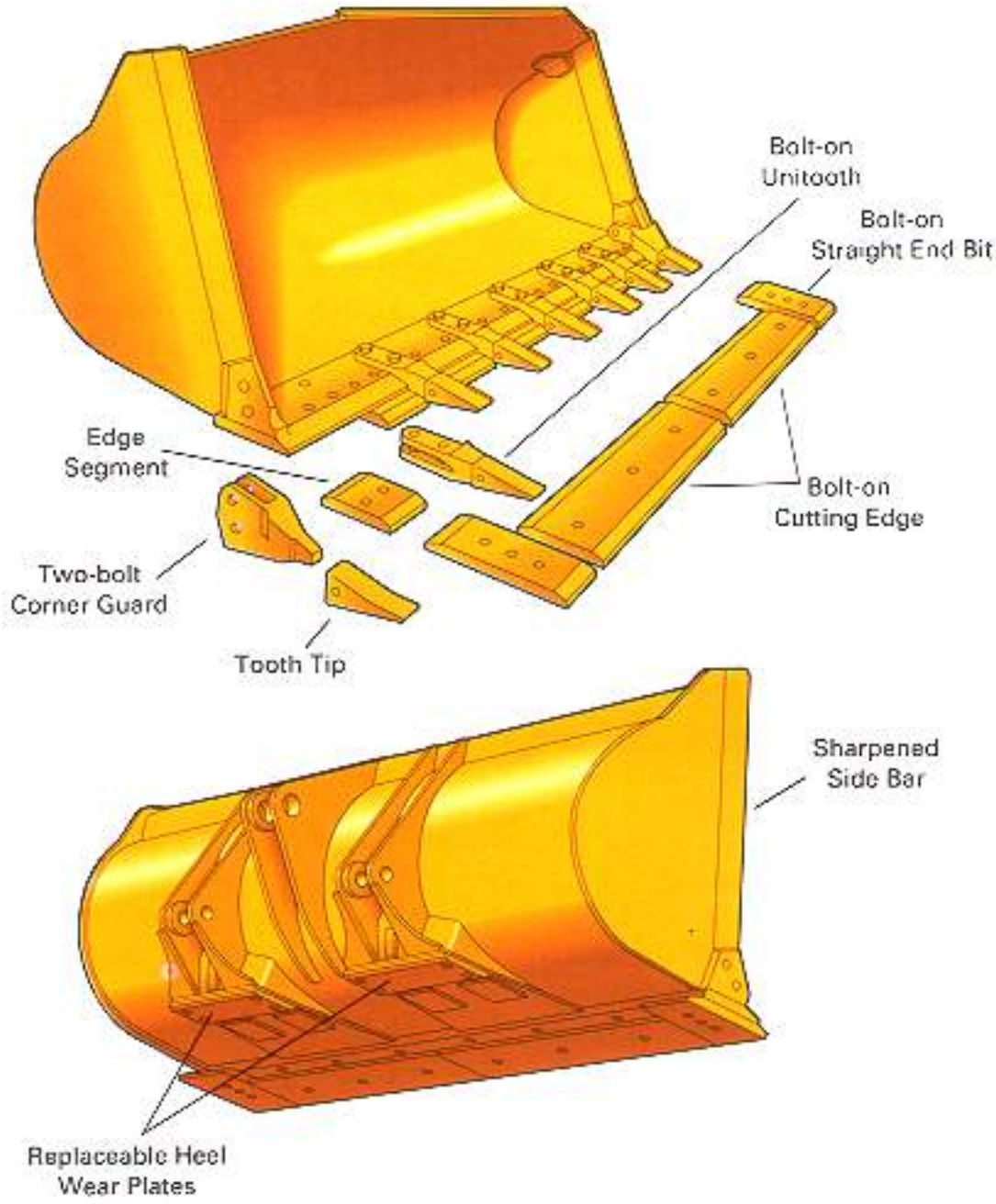
Caterpillar General Purpose Buckets, available in 1.8 m³ (2.3 yd³) and 2.1 m³ (2.75 yd³) capacities, are suitable for most general applications. Features include:

- improved bucket design with longer floor for easier flow of material into the bucket;
- patented Two-Bolt Corner Guard Cutting Edge System offers superior wear resistance, better stability and a simple bolt-on system;
- built-in, replaceable heel wear plates extend bucket life.

Ground Engaging Tools include hardened steel cutting edges, choice of short or long teeth and a variety of tooth adapters. Properly selected, these tools optimize performance, improve load retention and extend the useful life of Caterpillar buckets.

For expanded machine versatility, other special purpose buckets are also available. Contact your Caterpillar Dealer for details.

General Purpose Bucket



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 help improve productivity;
- 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;
- 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 that greatly simplifies and lowers overall cost of reconfiguring the machine for additional functions.

The standard 924Gz with pin-on implement comes equipped with a two-section control valve for lift and tilt functions. If new applications place additional hydraulic requirements on the machine, such as adding a Quick Coupler or powered attachments, you can simply stack additional valve sections (totalling up to four) on the existing ones. There is no need to scrap valves or change hydraulic lines. This preserves your initial investment and lowers the cost of machine upgrades.

The control valves now feature convenient ground-level access for easier modifications to the system.

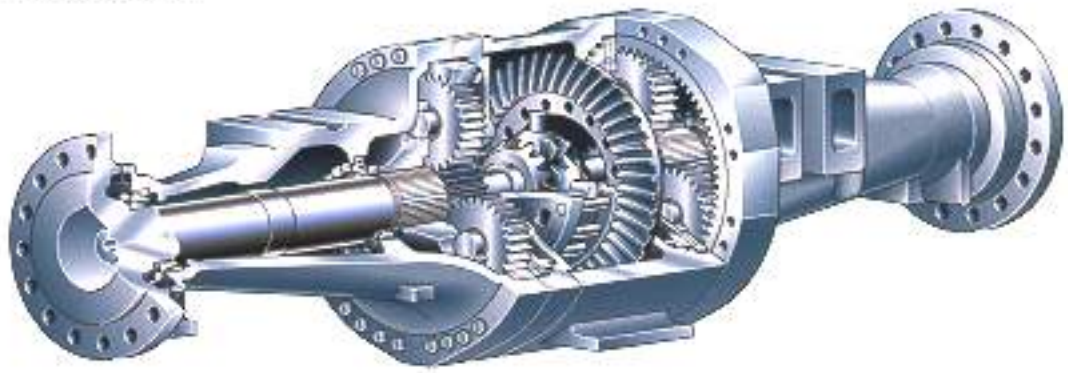
Ride Control Option provides a comfortable ride at all speeds. The system operates automatically or can be turned off with a switch at the operator station. The system uses a nitrogen oil accumulator in the hydraulic lift circuit that acts like a shock absorber for the loader linkage and bucket. The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

Other 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.

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.



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
Mirrors, external (two)
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)

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
Tires & 1-piece rims, 17.5 - 25, 12PR (L-3)	+72	+158	+45	+99
Tires & 1-piece rims, 17.5 R25, radial (L-2)	+40	+88	+25	+55
Tires & 1-piece rims, 17.5 R25, radial (L-3)	+140	+308	+87	+191
Tires & 3-piece rims, 17.5 - 25, 12PR (L-2)	+124	+273	+78	+172
Tires & 3-piece rims, 17.5 - 25, 12PR (L-3)	+196	+431	+123	+270
Tires & 3-piece rims, 17.5 R25, radial (L-2)	+164	+361	+103	+227
Tires & 3-piece rims, 17.5 R25, radial (L-3)	+264	+581	+165	+363
Tires & 3-piece rims, 555/70 R25, radial (L-3)	+516	+1135	+322	+708
Tires & 3-piece rims, 20.5 - 25, 12PR (L-2)	+412	+906	+257	+565
Tires & 3-piece rims, 20.5 - 25, 12PR (L-3)	+616	+1355	+385	+847
Tires & 3-piece rims, 20.5 R25, radial (L-2)	+480	+1056	+300	+660
Tires & 3-piece rims, 20.5 R25, radial (L-3)	+652	+1434	+407	+895