

906H

Compact Wheel Loaders

CATERPILLAR®



Cat® Cat C3.4 Engine

Net Power (SAE J1349)

52 kW

70 hp

Weights

Operating Weight

5630 kg

12,412 lb

Buckets

Bucket Capacities

0.75 – 1.2 m³

1.0 – 1.6 yd³

906H Features

Loader Linkage

Z-bar loader linkage is built for strength, visibility and versatility.

High Performance Power Train

Aggressive performance helps you get more done.

Comfortable Cab

Spacious cab and easy to use controls deliver all day comfort so you can concentrate on your work.

More Work Tools

Make your 906H the most versatile machine on the job site with Caterpillar's broad range of work tools.



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The Cat 906H Compact Wheel Loader delivers high performance with outstanding versatility. Spacious cab with joystick control keeps you comfortable throughout the work day, allowing you to get more done. Loader design delivers strength and durability with superior control. Do more with one machine with the new skid steer loader style coupler. This coupler allows the use of Cat Skid Steer and Multi Terrain Loader hydromechanical Work Tools on the Cat Compact Wheel Loader for greater machine versatility. Expand your business with the new 906H.



Operator Station

Superior comfort keeps you productive, all day long.

Cab Comfort

Spacious, comfortable cab helps you stay productive throughout the work day. A variety of options makes it easy to customize the cab to your requirements. Select the operator station that meets your needs – Canopy or Comfort Cab with standard heater. Optional air conditioning system is available for additional operator comfort. All cabs are pre-wired, making it easy to install future options. A digital LCD display provides system information and is conveniently located within the operator's line of sight.

Low Effort Controls

Pilot hydraulics for use with Cat Work Tools keep operator fatigue low. The multi functional joystick contains FNR (Forward/Neutral/Reverse), travel speed, third function auxiliary hydraulics, differential lock and continuous flow controls.

Excellent Visibility

The loader arms have been designed with visibility to the work tool in mind. Low level glazing and fully glazed doors give excellent visibility to the work site.

Low Cab Height

The 906H features a low cab to provide access to more areas on the job site.

Power Train

Cat Hystat power train delivers aggressive performance.

Cat Engine

The Cat C3.4 engine delivers superior power to help you get more done.

Chassis/Undercarriage

Oscillating chassis helps assure four wheel ground contact for optimum traction and stability. Heavy duty axles with outboard planetary reduction gears are built for durable performance. Differential lock in both axles is standard and can be easily engaged on the move to allow travel over poor underfoot conditions.

Two Speed Options

The Cat hydrostatic drive line offers two speeds as standard. The optional speeder transmission provides a maximum speed of 35 km/h (21.7 mph). High speed roading is achieved using an optional two-speed gearbox. The speeder version has hydraulically boosted oil immersed disc brakes fitted to the front axle. The non-speeder version has a hydraulically actuated dry disc brake, both offering smooth and effective braking. Both versions feature smooth inching as standard. Optional speed (creeper)/rimpull control and hand throttle are also offered.

Ride Control

The optional Ride Control system further enhances the already smooth road handling of the machine, resulting in increased operator comfort and higher productivity. It is suited for extreme applications where operators need to maintain bucket material load or carry a heavy work tool and have a smooth ride. Three modes are available – auto, on and off. Also recommended if the machine is equipped with the speeder option.



Loader Linkage

Optimal digging forces with parallel lift.

Z-Bar Design

The high performance Z-bar loader design is built for strength, visibility and versatile attachment usage.

The Z-bar linkage gives the operator a clear view to the work tool and excellent dump clearance while maintaining good cycle times and parallel lift.



Work Tools

Do more jobs with one machine with Cat Work Tools.

The Right Tool for the Job

Increase the versatility of the machine with the wide range of Cat buckets, forks and hydraulically powered work tools. Work tools can be changed quickly and easily with the machine's quick coupler system. Available work tools include:

- Buckets
- Forks
- Augers
- Brooms
- Cold Planers
- Landscape Rakes
- Landscape Tillers
- Material Handling Arm
- Power Box Rakes
- Snow Removers
- Stump Grinders
- Trenchers
- Vibratory Compactors

For a complete list of available work tools, please consult your Cat dealer.

Skid Steer Loader Style Coupler

The universal skid steer loader style coupler allows the use of many Cat Skid Steer and Multi Terrain Loader hydromechanical work tools. Auxiliary lines and connectors are standard equipment. Using either the standard flow or optional high flow hydraulics, this coupler system allows the H-Series Compact Wheel Loaders to easily integrate into a Cat Skid Steer or Multi Terrain Loader fleet.

Additional Options to Increase Productivity

Caterpillar offers the following options to further increase your productivity:

- Return to dig work tool positioner automatically returns the bucket to level position after dumping.
- Work tool wiring harness for fourth hydraulic function such as broom angling.
- Transmission control upgrade includes speed control, rimpull control and hand throttle control. Speed control (creeper) provides variable control of ground speed while maintaining optimal hydromechanical work tool speed. Rimpull control optimizes bucket loading and reduces wheel spin under various material conditions. Hand throttle control provides infinitely variable means of fixing engine speed, ideal for steady operation of hydromechanical work tools.
- High flow auxiliary hydraulics (125 L/min / 33 gal/min) for high flow work tools.



Serviceability

Easy access and minimal maintenance requirements reduce downtime.



Convenient Service Features

High opening, easy to lift engine hood and side service doors provide easy access to all major components and service points from ground level.

- S•O•S valves and pressure taps are conveniently located in the engine bay for analyzing engine and hydraulic system cleanliness and service requirements, prolonging machine life.
- Two stage air cleaner with a built-in centrifugal pre-cleaner, secondary element and a visual restriction indicator improves service life.
- Auxiliary fuses, diagnostic sockets, master disconnect switch and other regular service points are all located together for ease of servicing.
- Spin-on engine and hydraulic oil filters and fuel filter with water separator are vertically mounted for easier servicing.
- Heavy-duty wiring increases electrical durability and is multicolored to ease diagnosis and fault finding. Water resistant sealed connectors prevent dust and moisture from interfering with the electronics.
- Hydraulic oil cooler swings out using a handle in the engine bay for easy access to the radiator and cooler for cleaning.
- Electronic Technician allows advanced diagnostics and fault code investigation using Cat service tools.

Customer Support

Unmatched support makes the difference.

Superior Dealer Service

Your Cat dealer is ready to assist you with your purchase decision and everything after.

- Make comparisons of machines, with estimates of component life, preventative maintenance and cost of production.
- Financing packages are flexible to meet your needs.
- Your Cat dealer can evaluate the cost to repair, rebuild and replace your machine, so you can make the right choice.
- For more information on Cat products, dealer services and industry solutions, visit us at www.cat.com.



906H Compact Wheel Loader Specifications

Engine

Model	Cat® C3.4	
Gross Power @ 2,500 rpm	55 kW	74 hp
Net power @ 2,500 rpm	52 kW	70 hp
SAE J1349 Rating	52 kW	70 hp
ISO 9249 Rating	53 kW	71 hp
EEC 80/1269 Rating	53 kW	71 hp
Bore	94 mm	3.7 in
Stroke	120 mm	4.7 in
Displacement	3.3 L	203 in ³

- The Cat C3.4 engine meets Tier 3 emissions regulations.

Weights

Operating Weight	5630 kg	12,412 lb
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Operating Specifications

Tire Size	405/70 R18	
Rated Bucket Capacity	0.9 m ³	1.2 yd ³
Hydraulic Lift Capacity	3263 kg	7,194 lb
Breakout force	42 kN	9,442 lb
Rated operating load @ full turn, bucket	1579 kg	3,480 lb
Straight tipping load, bucket	3985 kg	8,783 lb
Full turn static tipping load, bucket	3159 kg	6,962 lb
Rackback, transport position	52 Degrees	
Rated operating load @ full turn, forks (EN 474-3:2006, firm and level ground, 500 mm (20 in) load center) (80% of FTSTL)	2066 kg	4,553 lb
Rated operating load @ full turn, forks (EN 474-3:2006, rough terrain, 500 mm (20 in) load center) (60% of FTSTL)	1550 kg	3,415 lb
Rated operating load @ full turn, forks (EN 474-3:2006, firm and level ground, 500 mm (20 in) load center) (transport 100 mm (4 in) above ground)	2718 kg	5,990 lb

- Specifications shown are for 906H with full fuel tank, 75 kg (165 lb) operator, skid steer loader style coupler and general purpose bucket.

Transmission

Travel Speed 1	7 km/h	4.3 mph
Travel Speed 2	20 km/h	12.4 mph
High Speed	35 km/h	21.7 mph

Cab

ROPS	SAE J1040 MAY94, ISO 3471-1994	
FOPS	SAE J/ISO 3449 APR98 Level II, ISO 3449 1992 Level II	

Hydraulic System

Main relief	235 bar	3,400 psi
3rd Auxiliary Flow, Standard	83 L/min	22 gal/min
3rd Auxiliary Flow, High Flow	125 L/min	33 gal/min
Hydraulic cycle time – lift	5 Seconds	
Hydraulic cycle time – dump	2 Seconds	
Hydraulic cycle time – lower, float	4 Seconds	
Hydraulic cycle time – rackback	2.5 Seconds	

Service Refill Capacities

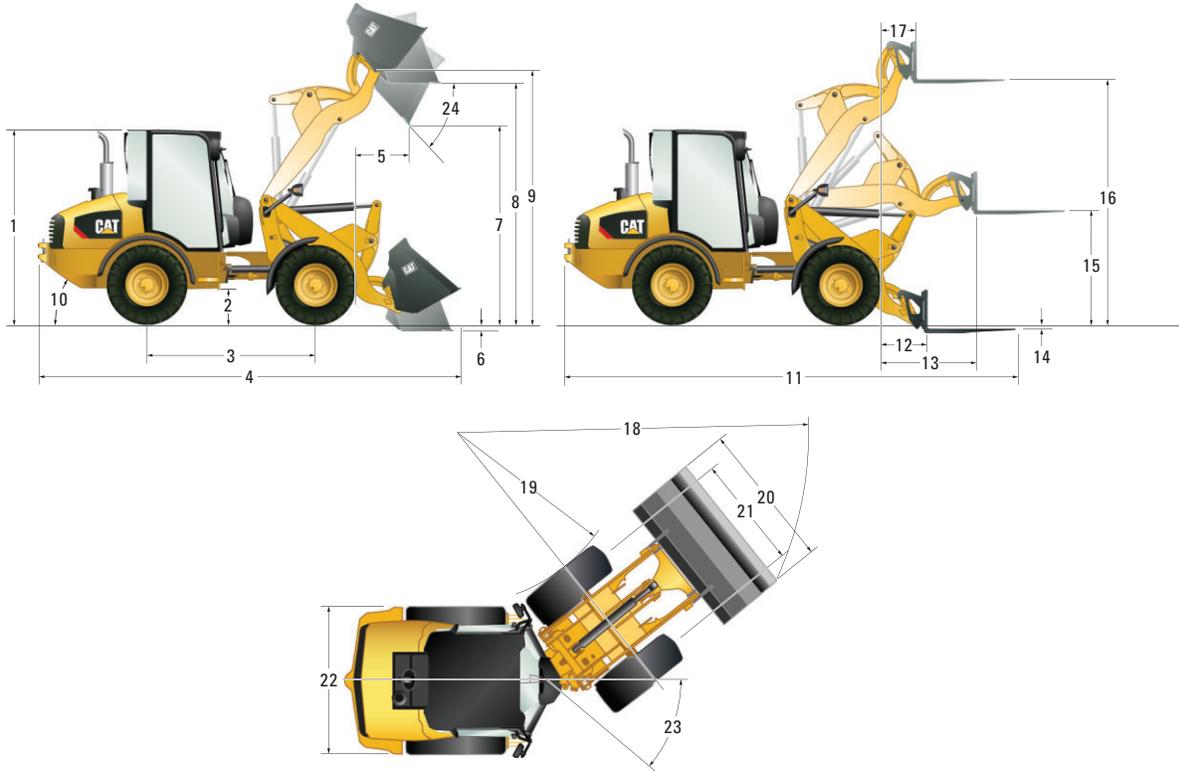
Cooling System	24 L	6.3 gal
Fuel tank	52 L	13.7 gal
Hydraulic system	84 L	22.2 gal
Engine Oil	10 L	2.6 gal

Buckets

Bucket Capacities	0.75-1.2 m ³	1.0-1.6 yd ³
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Dimensions

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



1	Cab Height	2465 mm	8 ft 1 in
2	Ground Clearance	300 mm	11.8 in
3	Wheelbase	2170 mm	7 ft 1 in
4	Overall Length with Bucket	5585 mm	18 ft 4 in
5	Reach at Max Dump Height	810 mm	2 ft 8 in
6	Dig Depth	90 mm	3.5 in
7	Max Dump Height	2395 mm	7 ft 10 in
8	Load Over Height	3025 mm	9 ft 11 in
9	Hinge Pin at Max Height	3230 mm	10 ft 7 in
10	Departure Angle (degrees)		34°
11	Overall Length with Forks	5945 mm	19 ft 6 in
12	Reach at Ground Level	750 mm	2 ft 6 in
13	Max Reach	1265 mm	4 ft 2 in
14	Fork Depth Above Ground	45 mm	1.8 in
15	Fork Height at Max Reach	1490 mm	4 ft 11 in
16	Max Fork Height	3160 mm	10 ft 4 in
17	Fork Reach at Max Height	505 mm	1 ft 8 in
18	Turning Radius Over Bucket	4445 mm	14 ft 7 in
19	Turning Radius Inside Tire	2240 mm	7 ft 4 in
20	Width Over Bucket	1880 mm	6 ft 2 in
21	Tire Gauge	1420 mm	4 ft 8 in
22	Machine Width	1840 mm	6 ft
23	Articulation Angle		39°
24	Dump Angle at Max Height		45°

Maximum Material Densities

Based on ISO 7546:1983 and rated operating loads at full turn.

Bucket Type		General Purpose	Multi Purpose	Light Material
Rated Capacity	m ³ (yd ³)	0.9 (1.18)	0.75 (0.98)	1.2 (1.6)
Dump Height	mm (in)	2395 (94)	2470 (97)	2395 (94)
Maximum Material Density	kg/m ³ (lb/yd ³)	1615 (2,722)	1950 (3,287)	1105 (1,863)
Bucket Width	mm (in)	1880 (74)	1880 (74)	2080 (82)

Cab Features

	Comfort Cab	Canopy
Standard Cab Features		
Two access doors	●	
Fixed steering column		●
Adjustable steering column	●	
Vinyl suspension seat		●
Cloth suspension seat, arm rest	●	
Left window – sliding	●	
Heated rear window	●	
Coat hook	●	●
Cabin light	●	
Sun visor	●	●
Radio ready kit (wiring, speaker, antenna and grill)	●	
External mirrors (2) – knock back	●	●
Heater	●	
Storage tray	●	●
Storage box	●	●
Optional Cab Features		
Cat radio/CD/MP3/WMA	●	
Rear blind	●	
Internal mirror	●	●
Air conditioning	●	

906H Standard Equipment

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

TRANSMISSION

Transmission, 20 km/h (12.4 mph) with standard axles

Transmission inching function

Hydrostatic drive

100% Differential Lock on both axles, selectable on the move

LOADER

Skid steer loader style quick coupler

Proportional auxiliary hydraulic circuit

Loader arm float function

Connect under pressure hydraulic quick connector

Parallel lift Z-bar loader

ENGINE

C3.4 Tier 3 emissions compliant

Two stage air cleaner with visual indicator

Cat Extended Life Coolant

Lockable engine compartments

Easy quick release fuel filter/water separator

Engine oil drain valve (non spill eco drain)

Closed circuit breather

ELECTRICAL

Master disconnect switch

Heavy duty battery, 12V

Engine cold start aid

Alternator, 90 amp

Service point connector for electronic diagnostics (ET)

Roading lights

Back up alarm

GENERAL

E-coat paint primer

Pressure test points

Recovery hitch and pin

Scheduled oil sampling (S•O•S) ports

Lockable fuel filler cap

OPERATOR ENVIRONMENT

Multifunction joystick with direction control

Proportional auxiliary control

Two external mirrors – knock back

Warning indicators for major systems

Wiper/washer front and rear (cab only)

Easy clean cab floor

Radio ready kit including speakers (cab only)

Two doors (cab only)

Cup holder

Sun visor

Heated rear window (cab only)

ROPS & FOPS

Adjustable wrist rest

Seat belt, 75 mm (3 in), retractable

Cabin light

Auxiliary power sockets

Coat hook

On board digital LCD display cluster

Heater with window, side and foot vents (cab only)

Sound suppression

Steering column, fixed (canopy only)

Steering column, tilt (cab only)

Heavy duty floor mat

Seat, adjustable suspension, vinyl (canopy only)

Seat, adjustable suspension, cloth (cab only)

Left sliding window (cab only)

Storage tray

Lockable storage box

906H Optional Equipment

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

TRANSMISSION

Transmission control upgrade, including creeper, rimpull control and hand throttle

Ride control

Speeder, 35 km/h (21.7 mph)

LOADER

High flow auxiliary hydraulics

Return to dig work tool positioner

ENGINE

Engine block heater, 120V

Cat extended life coolant, protects to -50° C (-58° F)

ELECTRICAL

Machine Security System (MSS)

Rotating beacon

Work tool wiring harness

Working lights, two front and two rear

GENERAL

Rear light guard kit

Tire options including heavy duty tires

WORK TOOLS

For all work tools and standard/high flow options, consult your Caterpillar dealer

OPERATOR ENVIRONMENT

Air conditioning

Canopy

Cab, Comfort (pressurized)

Cat radio/CD/MP3/WMA

Rear sun screen

Internal mirror

906H Compact Wheel Loader

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines may include additional equipment. See your Caterpillar dealer for available options.

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