

Cat[®] 906H2, 907H2, 908H2

COMPACT WHEEL LOADER

FEATURES:

The Cat® 906H2, 907H2, 908H2 deliver 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.

- High Performance With its high full turn tipping loads and breakout forces, the H2 Series delivers a powerful solution for all customer applications.
- Ease of Operation Great visibility, simple controls and the ergonomically designed, low effort joystick help reduce fatigue and increase comfort.
- Power Train The standard hydrostatic driveline is a 20 km/h (12.4 mph) transmission. Heavy duty axles and 100% diff-lock are standard with ride control and 35 km/h (21.7 mph) high speeder available as options.
- Versatility The standard skid steer loader style coupler combined with standard flow or optional high flow hydraulics allow the Cat® Compact Wheel Loaders to use a large range of work tools including hydro mechanical work tools.
- Serviceability The design of the H2 Series allows quick and easy servicing. Tilt up engine hood and side service doors give exceptional access to the major components safely from ground level. S·O·SSM oil ports and pressure test points enable easy preventative maintenance.

Specifications

Engine			
Engine Model	Cat® C3.3E	3 DIT*	
Rated Net Power @ 2,500 rpm			
SAE J1349	51 kW	68 hp	
Maximum Gross Power			
ISO 14396	55 kW	73 hp	
SAE J1995	55 kW	74 hp	
Maximum Net Power			
ISO 9249	52 kW	69 hp	
SAE J1349	51 kW	68 hp	

^{*}The Cat C3.3B DIT engine meets Tier 4 Interim emission standards.

Weight		
Operating Weight		
906H2	5630 kg	12,412 lb
907H2	5810 kg	12,809 lb
908H2	6465 kg	14,253 lb
Buckets		
Bucket Capacities		
906H2	0.75-1.2 m ³	0.98-1.6 yd ³
907H2	0.75-1.2 m ³	0.98-1.6 yd ³
908H2	0.9-1.5 m ³	1.2-2.0 yd ³

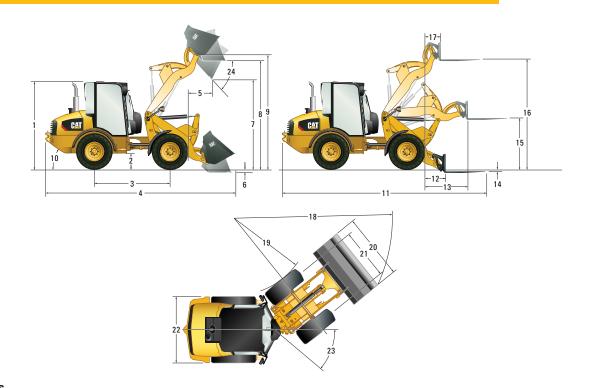
Travel Speeds		906H2	907H2	908H2
Speed 1	km/h	7	7	7
	mph	4.3	4.3	4.3
Speed 2	km/h	20	20	20
	mph	12.4	12.4	12.4
High Speed	km/h	35	35	35
-	mph	21.7	21.7	21.7

Hydraulic System		906H2	907H2	908H2	
Main Relief – 3rd Aux Flow	bar	235	235	235	_
	psi	3,400	3,400	3,400	
Standard	L/min	83	83	83	
	gal/min	22	22	22	
High Flow	L/min	125	125	125	
	gal/min	33	33	33	
Hydraulic Cycle Time					
Lift	seconds	5	5	5	
Lower	seconds	4	4	4	
Dump	seconds	2	2	2	
Rack Back	seconds	2.5	2.5	2.5	

Service Refill Capacities		906H2	907H2	908H2
Cooling System	L	24	24	24
	gal	6.3	6.3	6.3
Fuel Tank	L	52	78	78
	gal	13.7	20.6	20.6
Hydraulic System	L	95	95	95
	gal	25	25	25
Engine Oil	L	10	10	10
	gal	2.6	2.6	2.6



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Dimensions

(All dimensions are approximate. Dimensions shown are based on the machine equipped with general purpose bucket and standard 405/70 SPT9 tires.)

	•	With SSL Coupler					
	906	iH2	907	7H2	908	BH2	
1 Cab Height	2465 mm	8 ft 1 in	2585 mm	8 ft 6 in	2650 mm	8 ft 8 in	
2 Ground Clearance	300 mm	11.8 in	300 mm	11.8 in	340 mm	13 in	
3 Wheelbase	2170 mm	7 ft 1 in	2170 mm	7 ft 1 in	2170 mm	7 ft 1 in	
4 Overall Length with Bucket	5585 mm	18 ft 4 in	5585 mm	18 ft 4 in	5760 mm	18 ft 11 in	
5 Reach at Maximum Dump Height	810 mm	2 ft 8 in	810 mm	2 ft 8 in	855 mm	2 ft 10 in	
6 Dig Depth	90 mm	3.5 in	90 mm	3.5 in	95 mm	3.7 in	
7 Maximum Dump Height	2395 mm	7 ft 10 in	2395 mm	7 ft 10 in	2540 mm	8 ft 4 in	
8 Load Over Height	3035 mm	9 ft 11 in	3035 mm	9 ft 11 in	3215 mm	10 ft 7 in	
9 Hinge Pin at Maximum Height	3230 mm	10 ft 7 in	3230 mm	10 ft 7 in	3410 mm	11 ft 2 in	
10 Departure Angle (Degrees)	34	1 °	34°		34°		
11 Overall Length with Forks	5945 mm	19 ft 6 in	5945 mm	19 ft 6 in	6150 mm	20 ft 2 in	
12 Reach at Ground Level	750 mm	2 ft 6 in	750 mm	2 ft 6 in	925 mm	3 ft	
13 Maximum Reach	1265 mm	4 ft 2 in	1265 mm	4 ft 2 in	1445 mm	4 ft 9 in	
14 Fork Depth Below Ground (Above Ground)	(45 mm)	(1.8 in)	(45 mm)	(1.8 in)	30 mm	1.2 in	
15 Fork Height at Maximum Reach	1490 mm	4 ft 11 in	1490 mm	4 ft 11 in	1525 mm	5 ft	
16 Maximum Fork Height	3160 mm	10 ft 4 in	3160 mm	10 ft 4 in	3300 mm	10 ft 10 in	
17 Fork Reach at Maximum Height	505 mm	1 ft 8 in	505 mm	1 ft 8 in	595 mm	1 ft 11 in	
18 Turning Radius Over Bucket	4445 mm	14 ft 7 in	4515 mm	14 ft 10 in	4560 mm	15 ft	
19 Turning Radius Inside Tire	2240 mm	7 ft 4 in	2240 mm	7 ft 4 in	2080 mm	6 ft 10 in	
20 Width Over Bucket	1880 mm	6 ft 2 in	2035 mm	6 ft 8 in	2060 mm	6 ft 9 in	
21 Tire Gauge	1420 mm	4 ft 8 in	1420 mm	4 ft 8 in	1570 mm	5 ft 2 in	
22 Machine Width	1840 mm	6 ft	1840 mm	6 ft	1985 mm	6 ft 6 in	
23 Articulation Angle (Degrees)	39	9°	3	9°	3	9°	
24 Dump Angle at Maximum Height (Degrees)	4!	ō°	4	5°	4	5°	

906H2, 907H2, 908H2 Compact Wheel Loader

Operating Specifications

Machine with full fuel tank, ROPS/FOPS cab, 75 kg operator, skid steer loader coupler (SSL) and general purpose bucket (GP).

	906H2		907H2		908H2	
Coupler Type	SSL		SSL		SSL	
Tire Size	405/7	0 R18	405/70 R18		405/7	0 R20
Operating Weight	5630 kg	12,412 lb	5810 kg	12,809 lb	6465 kg	14,253 lb
Rated Bucket Capacity	0.9 m ³	1.18 yd ³	1.0 m ³	1.3 yd ³	1.1 m ³	1.4 yd ³
Breakout Force, Bucket	42 kN	9,442 lb	42 kN	9,442 lb	47 kN	10,566 lb
Rated Operating Load at Full Turn, Bucket	1580 kg 3,483 lb		1585 kg	3,494 lb	1705 kg	3,759 lb
Straight Tipping Load, Bucket)	3985 kg	8,785 lb	4320 kg	9,524 lb	4775 kg	10,527 lb
Full Turn Static Tipping Load, Bucket	3160 kg	6,967 lb	3170 kg	6,989 lb	3410 kg	7,518 lb
Rack Back, Transport Position	52	<u>2</u> °	52°		5	2°
Rated Operating Load at Full Turn, Forks (EN 474-3:2006, firm and level ground, 1.25 stability and 500 mm [20 in] load center)	2065 kg	4,553 lb	2120 kg	4,674 lb	2355 kg	5,192 lb
Rated Operating Load at Full Turn, Forks (EN 474-3:2006, firm and level ground, 1.25 stability and 500 mm [20 in] load center, transport 100 mm [4 in] above ground)		5,997 lb	2785 kg	6,140 lb	2990 kg	6,592 lb

Cab Features

Standard Cab Features	Comfort Cab	Deluxe Cab	Canopy
Cup Holder	•	•	•
Two Access Doors	•	•	
Fixed Steering Column			•
Adjustable Steering Column	•	•	
Vinyl Suspension Seat			•
Cloth Suspension Seat, Arm Rest	•		
Cloth, Electric Air Suspension, Arm/Head Rest, Lumbar Support and Heated Back Seat		•	
Left Window – Sliding	•	•	
Right Window – Sliding		•	
Heated Rear Window	•	•	
Coat Hook	•	•	•
Cabin Light	•	•	
Sun Visor	•	•	•
Radio-ready Kit (wiring, speaker, aerial and grilles)	•	•	
External Knock Back Mirrors	•	•	•
Lockable Storage Box	•	•	•
Adjustable Internal Mirror	•	•	•
Heater	•	•	
Air Conditioner		•	
Optional Cab Features			
Cat Radio/CD/MP3/WMA/AUX	•	•	
Rear Blind	•	•	
Machine Security System	•	•	
Radio-ready Kit (wiring, speaker, aerial and grilles)	•	•	

Maximum Material Densities

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

Bucket Type		Ge	neral Purp	ose	I	Aulti Purpos	se	L	ight Materi	al
Model		906H2	907H2	908H2	906H2	907H2	908H2	906H2	907H2	908H2
Rated Capacity	m³	0.90	1.00	1.10	0.75	0.75	0.90	1.20	1.20	1.50
	yd ³	1.18	1.3	1.4	0.98	0.98	1.18	1.6	1.6	2.0
Dump Height	mm	2395	2395	2540	2470	2470	2630	2285	2285	2345
	in	94	94	100	97	97	104	90	90	92
Maximum Material Density	kg/m³	1755	1584	1549	2131	2149	1929	1208	1218	1034
	lb/yd³	2,958	2,670	2,611	3,592	3,622	3,251	2,036	2,053	1,743
Bucket Width	mm	1880	2035	2060	1880	1880	2060	2080	2080	2080
	in	74	80	81	74	74	81	82	82	82

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STANDARD EQUIPMENT

TRANSMISSION/HYDRAULICS

- 100% differential lock on both axles, selectable on the move
- 18° frame oscillation, 78° articulation
- Transmission, 20 km/h (12.4 mph) with heavy duty axles
- Transmission inching function
- Hydrostatic drive
- 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

- Cat® C3.3B DIT Tier 4 Interim engine
- 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

- Cab mounted fuse panel
- Battery disconnect switch
- Heavy duty battery, 12V
- Engine cold starter aid
- Alternator 90 amp
- Service point connector for electronic diagnostics (Electronic TechnicianTM)
- Reverse alarm

GENERAL

- E-coat paint primer
- Pressure test points
- Recovery hitch and pin
- Scheduled Oil Sampling S·O·SSM ports

OPERATOR ENVIRONMENT

- Cup holder
- Sun visor
- ROPS and FOPS certified canopy/cab
- Adjustable wrist rest
- Retractable seat belt

- Auxiliary power sockets
- Coat hook
- On board digital display cluster
- Sound suppression
- Multifunction joystick with direction control
- Two external knock back mirrors
- Warning indicators for major systems
- Easy clean cab floor
- Lockable storage box
- Adjustable internal mirror
- Operator station on isolation mounts
- Digital service hour meter
- Gauges: fuel hydraulic temp, coolant temp, speedometer
- Warnings: master, park brake, hydraulic oil pressure, engine oil pressure, coolant temp, electrical system, hydraulic filter bypass
- Suspended brake/accelerator pedals
- Suspension seat

OPTIONAL EQUIPMENT

TRANSMISSION

- Transmission control upgrade (includes creeper control, rimpull control and hand throttle)
- Ride control
- Speeder, 35 km/h (21.7 mph) with secondary steering

IOVDE

- High flow auxiliary hydraulics with pressure relieving quick disconnect manifold
- Load check valves

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Return to dig work tool positioner

FNGINI

- Engine block heater 120V
- Precleaner for engine air filter

ELECTRICAL

- Machine Security System (MSS)
- Magnetic rotating beacon
- Work tool wiring harness
- Working lights, two front and two rear

GENERAL

- Custom color
- Rear light guards
- Tire options including heavy duty tires

FILLIDS

■ Cat extended life coolant (-50° C/-58° F)

OPERATOR ENVIRONMENT

- Air conditioning
- Cat radio/CD/MP3/WMA/AUX
- Comfort cab includes: cloth suspension seat, heated rear window, sliding left window, coat hook, sun visor, radio ready and lockable storage box

- Deluxe cab includes: Comfort cab options plus heated cloth air suspension seat with lumbar support and right sliding window
- Radio ready kit including speakers (enclosed cab)
- Two doors (enclosed cab)
- Heated rear window (enclosed cab)
- Cabin light (enclosed cab)
- Pressurized cab (enclosed cab)
- Heater with window, side and feet vents (enclosed cab)
- Wiper/washer front and rear (enclosed cab)
- Rear blind

Work Tools

 For all work tools and standard/high flow options (consult your Cat dealer)

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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