

PRODUCT SPECIFICATIONS FOR 908M

ENGINE

Maximum Gross Power	73 HP
Net Power	74 HP
Rated Net Power - 2,400 rpm - SAE J1349	73 HP
Engine Model	Cat® C3.3B DIT*
Emissions	*The Cat C3.3B DIT engine meets U.S. EPA Tier 4 Final/EU Stage V (Europe only) or U.S. EPA Tier 4 Final (North America only) emission standards.
Maximum Gross Power - ISO 14396	73 HP
Maximum Gross Power - SAE J1995	74 HP
Rated Net Power - 2,400 rpm - ISO 9249 (1977)/EEC 80/1269	74 HP
Note (6)	Stage V engine available for Europe only.
Note (3)	No derating required up to 3000 m (10,000 ft) altitude. Auto derate protects hydraulic and transmission systems.
Note (5)	The Cat C3.3B DIT Tier 4 Final/Stage V uses an active regeneration system which requires no operator interaction under normal conditions.
Maximum Gross Power - DIN ISO 14396	74 HP
Note (2)	Net power shown is the power available at the flywheel when the engine is equipped with alternator, air cleaner, diesel exhaust filter, and fan at minimum speed.
Maximum Net Torque - ISO 9249 (1977)/EEC 80/1269	191 ft·lbf
Displacement	201 in ³
Maximum Gross Torque - ISO 14396	192 ft·lbf
Stroke	4.7 in
Bore	3.7 in

Note (4)	Flywheel per the SAE reference conditions with the fan at maximum speed.
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Note (1)	Net power ratings are tested at the reference conditions for the specified standard.
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WEIGHTS

Operating Weight	14032 lb
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Note	Specifications shown are for a machine configured with general purpose buckets, bolt-on cutting edges, 75 kg (165 lb) operator, Dunlop 405/70 SPT9 tires, full fuel, comfort ROPS cab, standard flow hydraulics and skid-steer coupler. The 908M is configured with a 1.1 m ³ (1.44 yd ³) bucket with bolt-on cutting edge.
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SERVICE REFILL CAPACITIES

Engine Crankcase	3 gal (US)
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Fuel Tank	20.6 gal (US)
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Hydraulic System - Including Tank	19 gal (US)
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Cooling System	4.4 gal (US)
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Axles - Front	N/A
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Axles - Rear	N/A
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Transmission - Gear Box	2.9 gal (US)
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Hydraulic Tank	12.2 gal (US)
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OPERATING SPECIFICATIONS

Rated Bucket Capacity	1.4 yd ³
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Reach - Full Lift and 45° Dump	3 ft
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Full Turn Tipping Load	8311 lb
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Tipping Load - Full Turn - ISO 14397-1	7947 lb
Clearance - Full Lift and 45° Dump	8 ft
Steering Articulation Angle - Each Direction	39°
Tipping Load - Straight - ISO 14397-1	9757 lb

LOADER HYDRAULIC SYSTEM

Maximum Flow - Implement Pump	22 gal/min
Relief Pressure - Tilt Cylinder Rod	2756 psi
Maximum Flow - Implement Pump - Auxiliary Function Standard Flow	22 gal/min
Relief Pressure - Tilt Cylinder Head	4496 psi
3rd Function Maximum Working Pressure	3408 psi
Maximum Flow - Implement Pump - Auxiliary Function High Flow	33 gal/min
Maximum Working Pressure - Implement Pump	3408 psi
Hydraulic Cycle Time - 1,000 rpm - Raise, Ground Level to Maximum Lift	9.6 s
Tilt Cylinder, Double Acting - Stroke	16.4 in
Lift Cylinder, Double Acting - Bore Diameter	3.3 in
Hydraulic Cycle Time - 1,000 rpm - Dump, at Maximum Lift Height	3 s
Tilt Cylinder, Double Acting - Rod Diameter	2.2 in
Hydraulic Cycle Time - 1,800 rpm - Float Down, Maximum Lift to Ground Level	2.6 s
Lift Cylinder, Double Acting - Stroke	27.5 in
Hydraulic Cycle Time - 1,800 rpm - Dump, at Maximum Lift Height	1.5 s
Boost Flow Maximum Pressure	3191 psi
Lift Cylinder, Double Acting - Rod Diameter	2 in
Hydraulic Cycle Time - 1,000 rpm - Float Down,	2.6 s

Maximum Lift to Ground Level

Tilt Cylinder, Double Acting - Bore Diameter 3.9 in

Hydraulic Cycle Time - 1,800 rpm - Total Cycle Time 9.6 s

Hydraulic Cycle Time - 1,800 rpm - Raise, Ground Level to Maximum Lift 5.5 s

DIMENSIONS WITH BUCKET (APPROXIMATE) - STANDARD LIFT - WITH ISO COUPLER

Length - Wheel Base 7.08 ft

Width - Tread Center 5.08 ft

Departure Angle 33°

Operating Weight 14323 lb

Height - Ground to Cab** 8.67 ft

Reach - Bucket at 45°* 2.5 ft

Clearance - Level Bucket** 10.5 ft

Length - Overall* 18.42 ft

Machine Width 6.5 ft

Turning Radius - Inside of Tires 6.75 ft

Clearance - Bucket at 45° * 8.58 ft

Width - Bucket 6.75 ft

Note (3) Dimensions listed are for a machine configured with general purpose buckets, bolt-on cutting edges, 75 kg (165 lb) operator, no air conditioner and Dunlop 405/70 SPT9 tires.

Height - Ground Clearance** 1.08 ft

Note (1) *Vary with bucket.

Dump Angle at Full Lift 45°

Height - Bucket Pin** 11.17 ft

Note (2) **Vary with tire.

Articulation Anale 39°

Dig Depth**	3.9 in
Turning Radius - Over Bucket	14.83 ft

DIMENSIONS WITH BUCKET (APPROXIMATE) - STANDARD LIFT - WITH SSL COUPLER

Operating Weight	14319 lb
Machine Width	6.5 ft
Length - Overall*	18.92 ft
Height - Ground Clearance**	1.08 ft
Width - Tread Center	5.08 ft
Clearance - Level Bucket**	10.5 ft
Articulation Angle	39°
Turning Radius - Inside of Tires	6.75 ft
Length - Wheel Base	7.08 ft
Departure Angle	33°
Note (1)	*Vary with bucket.
Clearance - Bucket at 45° *	8.17 ft
Height - Ground to Cab**	8.67 ft
Reach - Bucket at 45°*	2.83 ft
Note (2)	**Vary with tire.
Turning Radius - Over Bucket	14.83 ft
Dig Depth**	4.2 in
Dump Angle at Full Lift	45°
Note (3)	Dimensions listed are for a machine configured with general purpose buckets, bolt-on cutting edges, 75 kg (165 lb) operator, no air conditioner and Dunlop 405/70 SPT9 tires.
Height - Bucket Pin**	11.17 ft
Width - Bucket	6.75 ft

BUCKETS

Bucket Capacities	0.75-1.5 m ³ (1.0-2 yd ³)
Note	All capacities are applicable for each model. Bucket selection must be made with an understanding of the material density and application to ensure machine stability is maintained within the tipping loads stated per model and configuration.
General Purpose	0.8 m ³ (1 yd ³), 0.9 m ³ (1.2 yd ³), 1 m ³ (1.3 yd ³), 1.1 m ³ (1.4 yd ³), 1.3 m ³ (1.7 yd ³)
Grapple	0.9 m ³ (1.2 yd ³) heaped
Multi-Purpose	0.75 m ³ (1 yd ³), 0.9 m ³ (1.2 yd ³), 1.05 m ³ (1.37 yd ³)
Light Material	1.2 m ³ (1.6 yd ³), 1.5 m ³ (2 yd ³)

CAB

ROPS	SAE J1040 MAY94, ISO 3471-1994.
FOPS	SAE J/ISO 3449 APR98, Level II, ISO 3449 1992 Level II.
Note (2)	When properly installed and maintained, the cab offered by Caterpillar, when tested with doors, and windows closed as per work cycle procedures specified in ISO 6395 2008, results in operator sound exposure Leq (Equivalent sound pressure level) of 66 dB(A) typical.
Note (1)	Cat cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.

DRIVE TRAIN

Reverse - High Range	22 mile/h
Forward - High Range	22 mile/h

Reverse - Range 1	6 mile/h
Forward - Range 2	12 mile/h
Reverse - Range 2	12 mile/h
Forward - Range 1	6 mile/h

STEERING

Nominal Flow - Steering Pump	12 gal/min
Steering Cylinder, Double Acting - Rod Diameter	1.4 in
Steering AC Cycle Times - Full Left to Full Right - 2,620 rpm	3 s
Number of Steering Wheel Turns - Full Left to Full Right or Full Right to Full Left	<6 turns
Steering Articulation Angle - Each Direction	39°
Steering Cylinder, Double Acting - Bore Diameter	3.1 in
Maximum Working Pressure - Steering Pump	3191 psi
Maximum Steering Torque - 0° (Straight Machine)	42506 ft·lbf
Maximum Steering Torque - 39° (Full Turn)	31398 ft·lbf
Steering Cylinder, Double Acting - Stroke	11.8 in

TIRES

Option (1)	360/80 R20 TRI2 Nokian
Option (5)	405/70 R20 SPT9 Dunlop
Note (2)	In certain applications, the loader's productive capabilities may exceed the tires' tonnes-km/h (ton-mph) capabilities.
Note (1)	Other tire choices available, contact your Cat dealer for details.

Option (4)	400/70 R20 Bibload Michelin
Note (3)	Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.
Option (3)	400/70 R20 XMCL Michelin
Option (6)	12.5-20 ATU Firestone
Option (2)	375/75 R20 XZSL Michelin

ENGINE - TIER 4 FINAL/STAGE IV

Maximum Net Torque - SAE J1349	189 ft·lbf
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908M STANDARD EQUIPMENT

TRANSMISSION AND HYDRAULICS

- 18° frame oscillation, 78° articulation
- Demand based cooling fan
- Hydrostatic drive
- Loader arm float function
- Parallel lift Z-bar loader
- Proportional auxiliary hydraulic circuit
- Transmission, 20 km/h (12.4 mph) with heavy duty axles
- Transmission inching function

ENGINE

- Cat C3.3B DIT Tier 4 Final/Stage V (Europe only) or Tier 4 Final (North America only) emission standards
- Cat extended life coolant
- Closed circuit breather
- Easy quick release fuel filter/water separator
- ECO mode
- Engine oil drain valve (non-spill ECO drain)

Lockable engine compartments

Two stage air cleaner with visual indicator

ELECTRICAL

Alternator 90 amp

Battery disconnect switch

Cab mounted fuse panel

Engine cold starter aid

Heavy duty battery, 12V

Service point connector for electronic diagnosis (Cat Electronic Technician™)

Reversing alarm

GENERAL

E-coat paint primer

Pressure test points

Recovery hitch and pin

Scheduled Oil Sampling S·O·SSM ports

OPERATOR ENVIRONMENT

Adjustable internal mirror

Adjustable wrist rest

Auxiliary power sockets

Coat hook

Cup holder

Digital service hour meter

Easy clean cab floor

Gauges: fuel hydraulic temperature, coolant temperature, speedometer

Multifunction joystick with direction control

On board digital display cluster

Operator station on isolation mounts

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Retractable seat belt

ROPS and FOPS certified canopy/cab

Sound suppression

Sun visor

Suspended brake/accelerator pedals

Suspension seat

Two doors (enclosed cab)

Two external knock back mirrors

Warning indicators for major systems

Wiper/washer front and rear (enclosed cab)

Warnings: master, park brake, hydraulic oil pressure, engine oil pressure, coolant temp, electrical system, hydraulic filter bypass

908M OPTIONAL EQUIPMENT

TRANSMISSION AND HYDRAULICS

100% differential lock on both axles, selectable on the move

Adjustable speed control (creeper control)

Adjustable high stat response settings

Electronic throttle lock

Ride control

Rimpull control

Speeder, 35 km/h (21.7 mph) with secondary steering

ENGINE

Engine block heater 120V

Precleaner for engine air filter

ELECTRICAL

Machine Security System (MSS)

Magnetic rotating beacon

Halogen working lights, two front and two rear

LED working lights, two front and two rear

Work tool wiring harness

GENERAL

Custom color

Rear light guards

Tire options including heavy duty tires

FLUIDS

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

LOADER

Adjustable implement modulation

High flow auxiliary hydraulics with pressure relieving quick disconnect manifold

Load check valves

Return To Dig tool positioner

WORK TOOLS

For all work tool options, consult your local Cat dealer

OPERATOR ENVIRONMENT

Air conditioning

Cabin light

Cat Radio/FM/DAB+/Bluetooth/Aux/Mic/Phone/USB

Comfort cab includes: cloth suspension seat, heated rear window, sliding left window and radio ready

Open canopy: fixed steering column, coat hook, sun visor (North America only)

Deluxe cab includes: Comfort cab options plus heated cloth air suspension seat with lumbar support and right sliding window

Heated rear window (enclosed cab)

Heater with window side and feet vents (enclosed cab)

Radio ready kit including speakers (enclosed cab)

Rear blind