



950M

Wheel Loader

Technical Specifications

Engine

Engine Model	Cat® C7.1	
Maximum Power (2,100 rpm)		
SAE J1995	187 kW	254 hp (metric)
ISO 14396	186 kW	253 hp (metric)
Maximum Net Power (2,100 rpm)		
ISO 9249	171 kW	232 hp (metric)
Peak Gross Torque (1,300 rpm)		
ISO 14396	1231 N·m	
Maximum Net Torque (1,300 rpm)		
ISO 9249	1163 N·m	
Bore	105 mm	
Stroke	135 mm	
Displacement	7.01 L	

- Meets either EU Stage V or EU Stage IV* emission standards. *Stage IV engines comply with the transition provisions of the EU non-road emission regulation
- The power ratings apply at the stated speed when tested under the reference conditions for the specified standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- The gross power advertised is with the fan at maximum speed.

Buckets

Bucket Capacities	2.50-9.20 m ³
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Weight

Operating Weight	19 269 kg
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- Weight based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link™, manual diff lock/open axles (front/rear), power train guard, secondary steering, sound suppression and a 3.3 m³ flat floor bucket with BOCE.

Transmission

Forward 1	6.9 km/h
Forward 2	12 km/h
Forward 3	19.3 km/h
Forward 4	25.7 km/h
Forward 5	39.5 km/h
Reverse 1	6.9 km/h
Reverse 2	12 km/h
Reverse 3	25.7 km/h

- Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm roll radius.

Hydraulic System

Implement Pump Type	Variable axial piston
Implement System	
Maximum Pump Output (2,150 rpm)	286 L/min
Maximum Operating Pressure	29 300 kPa
Optional 3 rd /4 th Function Maximum Flow	240 L/min
Optional 3 rd /4 th Function Maximum Pressure	21 780 kPa
Hydraulic Cycle Time with Rated Payload	
Raise from Carry Position	5.1 Seconds
Dump, at Maximum Raise	1.5 Seconds
Lower, Empty, Float Down	2.3 Seconds
Total	8.9 Seconds

Brakes

Brakes	Brakes meet ISO 3450:2011 standards
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950M Wheel Loader Specifications

Axles

Front	Fixed
Rear	Oscillating ± 13 degrees
Maximum Single-Wheel Rise and Fall	496 mm

Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards
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Sound

The sound values indicated below are for specific operating conditions only. Machine and operator sound levels will vary at different engine and/or cooling fan speeds. Hearing protection may be needed when the machine is operated with a cabin that is not properly maintained, or when the doors and/or windows are open for extended periods or in a noisy environment.

Operator Sound Pressure Level (ISO 6396:2008)	69 dB(A)*
Exterior Sound Power Level European Union Directive "2000/14/EC" as amended by "2005/88/EC."	104 dB(A)*
Exterior Sound Pressure Level (SAE J88:2013)	75 dB(A)**

*For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at 70% of maximum value.

**For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m, moving forward in second gear ratio with the cooling fan speed set at maximum value.

Service Refill Capacities

Fuel Tank	275 L
DEF Tank*	16 L
Cooling System	59 L
Crankcase	22 L
Transmission	43 L
Differentials and Final Drives – Front	43 L
Differentials and Final Drives – Rear	43 L
Hydraulic Tank	125 L

*DEF must meet the requirements outlined in ISO 22241-1.

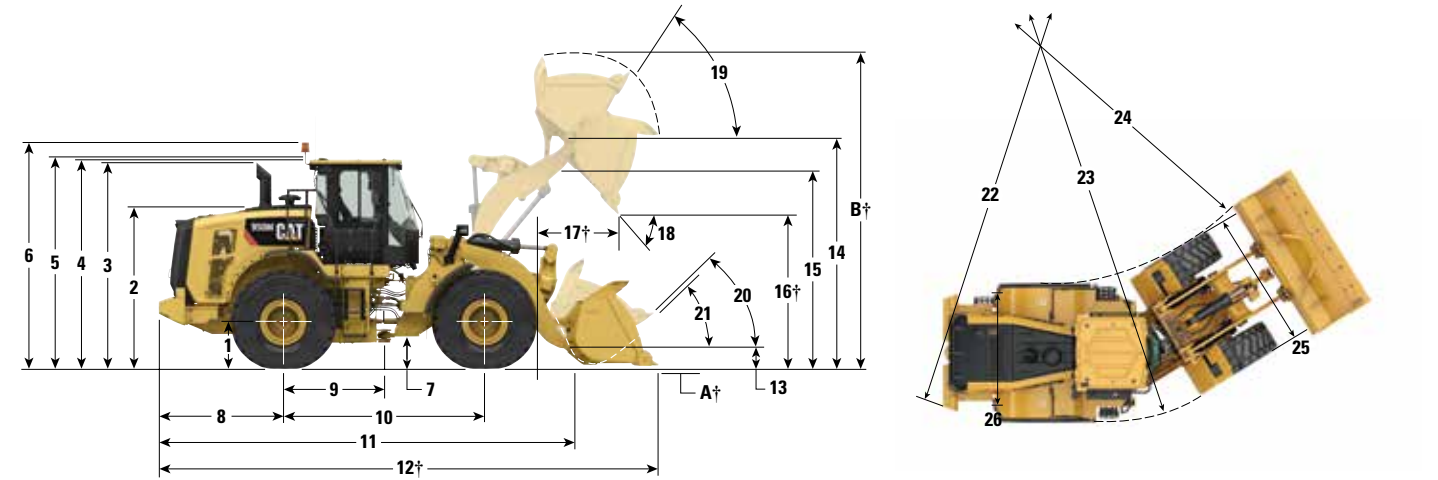
Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a CO₂ equivalent of 2.288 metric tonnes.

950M Wheel Loader Specifications

Dimensions

All dimensions are approximate.



Standard Lift with Auxiliary Counterweight **High Lift with Auxiliary Counterweight**

	Standard Lift with Auxiliary Counterweight	High Lift with Auxiliary Counterweight
1 Height to Axle Centerline	747 mm	747 mm
2 Height to Top of Hood	2697 mm	2697 mm
3 Height to Top of Exhaust Pipe	3413 mm	3413 mm
4 Height to Top of ROPS	3451 mm	3451 mm
5 Height to Top of Product Link Antenna	3653 mm	3653 mm
6 Height to Top of Warning Beacon	3747 mm	3747 mm
7 Ground Clearance	367 mm	367 mm
8 Center Line of Rear Axle to Edge of Counterweight	2071 mm	2071 mm
9 Center Line of Rear Axle to Hitch	1675 mm	1675 mm
10 Wheelbase	3350 mm	3350 mm
11 Overall Length (without bucket)	7031 mm	7488 mm
12 Shipping Length (with bucket level on ground)*†	8371 mm	8824 mm
13 Hinge Pin Height at Carry Height	647 mm	782 mm
14 Hinge Pin Height at Max Lift	4027 mm	4527 mm
15 Lift Arm Clearance at Max Lift	3280 mm	3634 mm
16 Dump Clearance at Max Lift and 45° Discharge*†	2789 mm	3295 mm
17 Reach at Max Lift and 45° Discharge*†	1378 mm	1413 mm
18 Dump Angle at Max Lift and Dump (on stops)*	47 degrees	44 degrees
19 Rack Back at Max Lift*	59 degrees	59 degrees
20 Rack Back at Carry Height*	49 degrees	49 degrees
21 Rack Back at Ground*	36 degrees	40 degrees
22 Turning Radius to Counterweight	6023 mm	6023 mm
23 Turning Radius to Outside of Tires	5985 mm	6001 mm
24 Turning Radius to Inside of Tires	3219 mm	3219 mm
25 Width over Tires (unloaded)	2814 mm	2814 mm
Width over Tires (loaded)	2822 mm	2822 mm
26 Tread Width	2140 mm	2140 mm

* With 3.3 m³ pin-on MH bucket with BOCE (see Operating Specifications tables for other buckets).

† Dimensions are listed in Operating Specification charts.

All height and tire related dimensions are with Michelin 23.5R25 XHA2 L3 radial tires (see Tire Option Chart for other tires). "Width Over Tires" dimensions are over the bulge and include growth.

950M Wheel Loader Specifications

Tire Options

Tire Brand	Michelin	Bridgestone	Goodyear	Bridgestone	Michelin	Michelin	Flexport™	Flexport
Tire Size	23.5R25	23.5R25	23.5R25	23.5R25	750/65R25	23.5R25	23.5×25	23.5×25
Tread Type	L-3	L-3	L-3	L-3	L-3	L-5	—	—
Tread Pattern	XHA2	VMT	RT-3B	VJT	XLD	XLD D2	OTR	Smooth
Width over Tires – Maximum (empty)*	2814 mm	2805 mm	2835 mm	2798 mm	2948 mm	2817 mm	2808 mm	2808 mm
Width over Tires – Maximum (loaded)*	2822 mm	2834 mm	2846 mm	2831 mm	2965 mm	2833 mm	2821 mm	2821 mm
Change in Vertical Dimensions (average of front and rear)	0 mm	-3 mm	-1 mm	-6 mm	-6 mm	28 mm	45 mm	45 mm
Change in Horizontal Reach	0 mm	6 mm	3 mm	6 mm	11 mm	-25 mm	-10 mm	-10 mm
Change in Clearance Circle to Outside of Tires	0 mm	12 mm	24 mm	9 mm	143 mm	5 mm	-1 mm	-1 mm
Change in Clearance Circle to Inside of Tires	0 mm	-12 mm	-24 mm	-9 mm	-143 mm	-5 mm	1 mm	1 mm
Change in Operating Weight (without Ballast)	0 kg	188 kg	127 kg	168 kg	801 kg	668 kg	3996 kg	4312 kg
Change in Static Tipping Load – Straight	0 kg	125 kg	85 kg	112 kg	534 kg	446 kg	2666 kg	2876 kg
Change in Static Tipping Load – Articulated	0 kg	109 kg	74 kg	98 kg	466 kg	389 kg	2324 kg	2508 kg

*Width over bulge and includes tire growth.

950M Wheel Loader Specifications

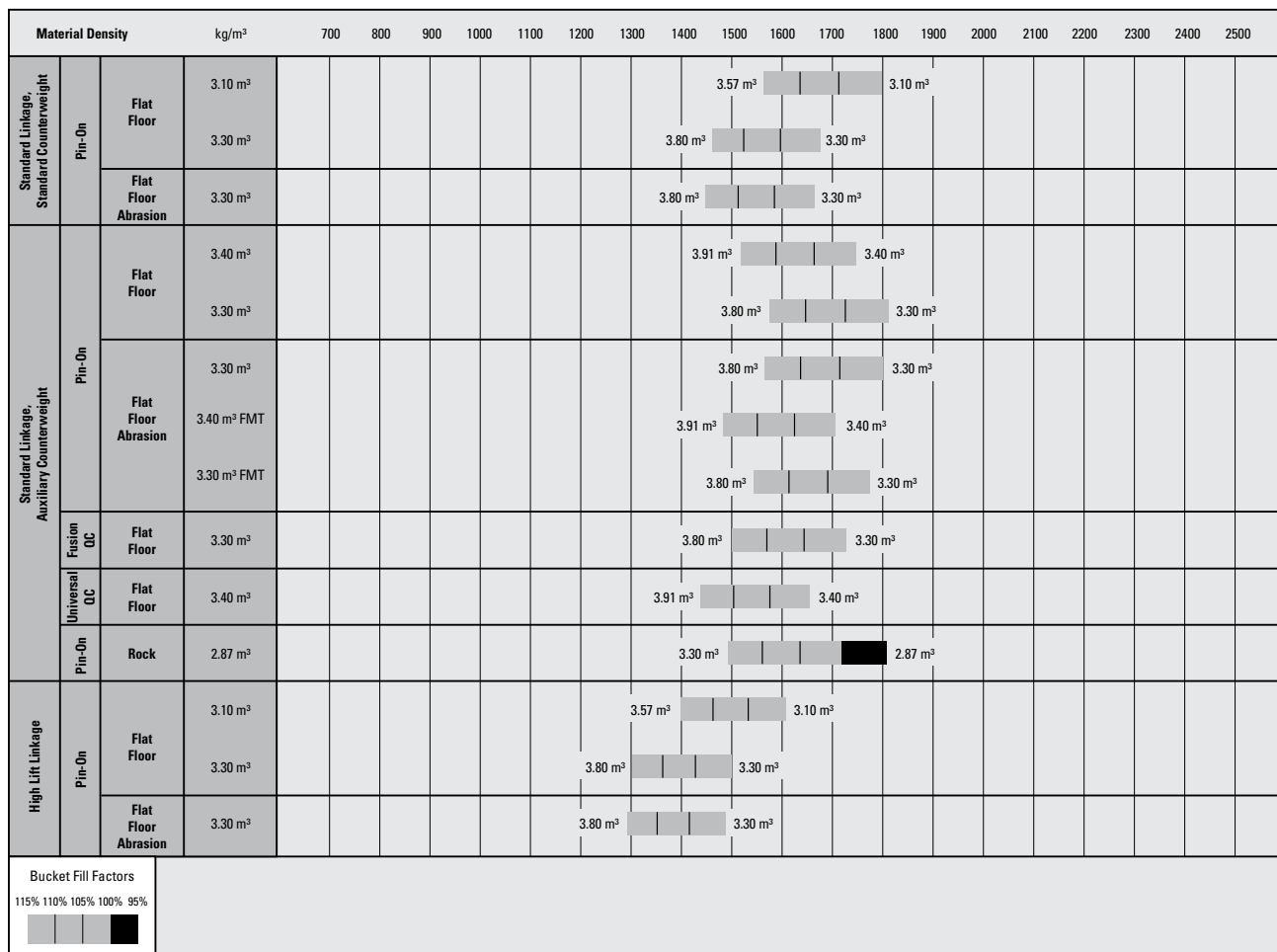
Bucket Fill Factors and Selection Chart

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard, demonstrate fill factors significantly higher than previous generation or non Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

Loose Material		Material Density	Fill Factor (%)*
Earth/Clay		1500-1700 kg/m ³	115
Sand and Gravel		1500-1700 kg/m ³	115
Aggregate:	25-76 mm	1600-1700 kg/m ³	110
	19 mm and smaller	1800 kg/m ³	105
Rock:	76 mm and larger	1600 kg/m ³	100

*As a % of ISO 7546 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

QC=Quick Coupler

950M Wheel Loader Specifications

Operating Specifications with Buckets

Machine		Standard Linkage, Standard Counterweight						
Bucket Type		Flat Floor – Pin-On				Flat Floor Abrasion – Pin-On		High Lift Linkage Change
		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	
Edge Type								
Capacity – Rated	m ³	3.1	3.1	3.3	3.3	3.3	3.3	
Capacity – Rated at 110% Fill Factor	m ³	3.41	3.41	3.63	3.63	3.63	3.63	
Width	mm	2927	2994	2927	2994	2927	2994	
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2821	2696	2789	2664	2789	2664	505
17† Reach at Maximum Lift and 45° Discharge	mm	1346	1448	1378	1480	1378	1480	35
Reach at Level Lift Arm and Bucket Level	mm	2686	2847	2731	2892	2731	2892	374
A† Digging Depth	mm	90	90	90	90	90	90	4
12† Overall Length	mm	8197	8370	8242	8415	8242	8415	583
B† Overall Height with Bucket at Maximum Lift	mm	5483	5483	5527	5527	5536	5536	506
Loader Clearance Circle with Bucket at Carry Position	mm	13 761	13 930	13 787	13 957	13 787	13 957	393
Static Tipping Load, Straight (With Tire Deflection)*	kg	12 624	12 484	12 533	12 393	12 458	12 315	-1277
Static Tipping Load, Straight (No Tire Deflection)*	kg	13 345	13 204	13 256	13 114	13 181	13 037	-1436
Static Tipping Load, Articulated (With Tire Deflection)*	kg	10 878	10 738	10 791	10 651	10 716	10 574	-1184
Static Tipping Load, Articulated (No Tire Deflection)*	kg	11 613	11 472	11 528	11 387	11 454	11 310	-1333
Breakout Force	kN	181	180	174	173	174	172	-9
Operating Weight*	kg	19 221	19 329	19 269	19 377	19 340	19 448	603

Machine		Standard Linkage, Auxiliary Counterweight					
Bucket Type		Flat Floor – Pin-On				Flat Floor – Fusion™ QC	Flat Floor – Universal QC
		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Edge Type							
Capacity – Rated	m ³	3.40	3.40	3.30	3.30	3.30	3.40
Capacity – Rated at 110% Fill Factor	m ³	3.74	3.74	3.63	3.63	3.63	3.74
Width	mm	2927	2994	2927	2994	2927	2927
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	2761	2636	2789	2664	2747	2675
17† Reach at Maximum Lift and 45° Discharge	mm	1406	1508	1378	1480	1420	1492
Reach at Level Lift Arm and Bucket Level	mm	2771	2932	2731	2892	2791	2893
A† Digging Depth	mm	90	90	90	90	90	90
12† Overall Length	mm	8411	8584	8371	8544	8431	8533
B† Overall Height with Bucket at Maximum Lift	mm	5566	5566	5527	5527	5561	5627
Loader Clearance Circle with Bucket at Carry Position	mm	13 811	13 981	13 787	13 957	13 815	13 868
Static Tipping Load, Straight (With Tire Deflection)*	kg	13 482	13 341	13 563	13 423	12 994	12 822
Static Tipping Load, Straight (No Tire Deflection)*	kg	14 278	14 136	14 358	14 216	13 778	13 594
Static Tipping Load, Articulated (With Tire Deflection)*	kg	11 564	11 423	11 641	11 501	11 101	10 960
Static Tipping Load, Articulated (No Tire Deflection)*	kg	12 380	12 238	12 455	12 314	11 904	11 753
Breakout Force	kN	169	167	174	173	166	154
Operating Weight*	kg	19 809	19 917	19 769	19 877	20 218	20 076

*Static tipping loads and operating weights are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, auxiliary counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

Additional buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

QC=Quick Coupler

950M Wheel Loader Specifications

Operating Specifications with Buckets

Machine		Standard Linkage, Auxiliary Counterweight				
Bucket Type		Flat Floor Abrasion – Pin-On				Rock – Pin-On
		Bolt-On Cutting Edges	Teeth and Segments	Flush Mounted Teeth	Flush Mounted Teeth	Teeth and Segments
Edge Type						
Capacity – Rated	m ³	3.30	3.30	3.40	3.30	2.87
Capacity – Rated at 110% Fill Factor	m ³	3.63	3.63	3.74	3.63	3.16
Width	mm	2927	2994	2994	2994	2969
16 † Dump Clearance at Maximum Lift and 45° Discharge	mm	2789	2664	2598	2633	2695
17 † Reach at Maximum Lift and 45° Discharge	mm	1378	1480	1588	1552	1636
Reach at Level Lift Arm and Bucket Level	mm	2731	2892	3015	2965	2950
A † Digging Depth	mm	90	90	63	63	93
12 † Overall Length	mm	8371	8544	8645	8595	8630
B † Overall Height with Bucket at Maximum Lift	mm	5536	5536	5621	5574	5442
Loader Clearance Circle with Bucket at Carry Position	mm	13 787	13 957	14 009	13 978	14 003
Static Tipping Load, Straight (With Tire Deflection)*	kg	13 488	13 345	13 230	13 344	14 059
Static Tipping Load, Straight (No Tire Deflection)*	kg	14 283	14 139	14 035	14 146	14 900
Static Tipping Load, Articulated (With Tire Deflection)*	kg	11 566	11 424	11 302	11 411	12 050
Static Tipping Load, Articulated (No Tire Deflection)*	kg	12 381	12 236	12 126	12 233	12 911
Breakout Force	kN	174	172	171	179	172
Operating Weight*	kg	19 840	19 948	20 109	20 049	20 517

*Static tipping loads and operating weights are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, auxiliary counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression.

(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

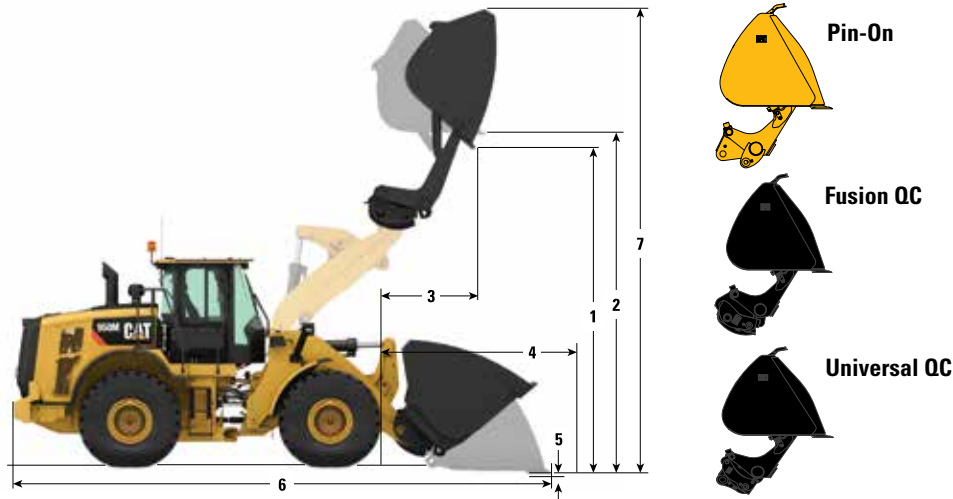
(No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

†Illustration shown with Dimension charts.

Additional buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

950M Wheel Loader Specifications

Operating Specifications with High Dump Buckets



Bucket Type	Auxiliary Counterweight			
	Pin-On	Fusion QC	Universal QC	
Edge Type	Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges	
Capacity – Rated	m ³	7.60	7.60	7.60
Capacity – Rated at 110% Fill Factor	m ³	8.40	8.40	8.40
Width	mm	3350	3350	3350
Nominal Material Density 100% Fill Factor	kg/m ³	650	610	610
1 Dump Clearance at Maximum Lift, Maximum Rack, Bucket Rolled out to 45° Discharge	mm	4473	4528	4541
2 Clearance at Maximum Lift, Maximum Rack, Bucket Rolled out to Level	mm	4969	5025	5038
3 Reach at Maximum Lift, Maximum Rack, Bucket Rolled out to 45° Discharge	mm	1899	1933	1940
4 Reach at Level Lift Arm and Bucket Level	mm	3472	3537	3552
5 Digging Depth	mm	59	59	59
6 Overall Length	mm	9111	9176	9191
7 Overall Height with Bucket at Maximum Height and Maximum Rack	mm	6882	6937	6950
Loader Clearance Circle with Bucket at Carry Position	mm	7171	7192	7197
Static Tipping Load, Straight (With Tire Deflection)*	kg	11 463	10 811	10 913
Static Tipping Load, Straight (No Tire Deflection)*	kg	12 296	11 627	11 725
Static Tipping Load, Articulated (With Tire Deflection)*	kg	9633	9009	9117
Static Tipping Load, Articulated (No Tire Deflection)*	kg	10 478	9836	9941
Breakout Force	kN	108	104	103
Operating Weight*	kg	21 122	21 689	21 468

*Static tipping loads and operating weights are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, auxiliary counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering and sound suppression. (With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

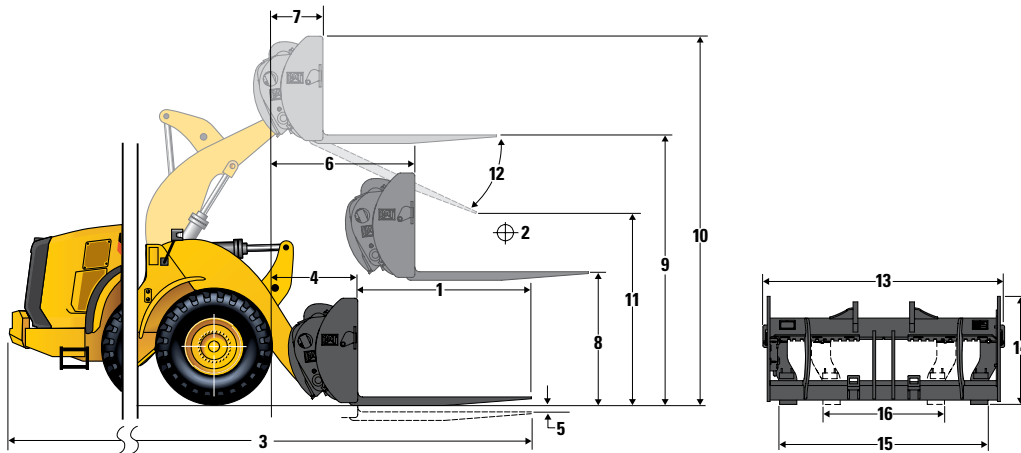
Additional buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

QC=Quick Coupler

950M Wheel Loader Specifications

Operating Specifications with Pallet Fork

All dimensions are approximate.



Interface	Auxiliary Counterweight	
		Fusion QC
1 Tine Length	mm	1524
2 Load Center	mm	762
3 Maximum Overall Length	mm	8949
4 Reach with Forks at Ground Level	mm	1198
5 Ground to Top of Tine at Minimum Height and Fork Level	mm	23
6 Reach with Arms Horizontal and Forks Level	mm	1738
7 Reach with Fork at Maximum Height	mm	1023
8 Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1889
9 Ground to Top of Tine at Maximum Height and Fork Level	mm	3824
10 Overall Height of Fork at Full Lift (top of carriage to ground)	mm	4865
11 Clearance at Full Lift and Maximum Dump	mm	2284
12 Maximum Discharge Angle from Horizontal	degrees	53
13 Overall Carriage Width	mm	2528
14 Overall Carriage Height	mm	1130
15 Outside Tine Width (maximum spread)	mm	2178
16 Outside Tine Width (minimum spread)	mm	576
Tine Width (single tine)	mm	180.0
Tine Thickness	mm	90.0
Tine Capacity	kg	17 800
Static Tipping Load – Straight (Forks Level)*	kg	9955
Static Tipping Load – Articulated (Forks Level)*	kg	8558
Rated Load (SAE J1197 – 50% FTSTL)**	kg	4279
Rated Load (CEN EN 474-3 Rough Terrain – 60% FTSTL)**	kg	5135
Rated Load (CEN EN 474-3 Firm and Level Ground – 80% FTSTL)**	kg	6846
Operating Weight*	kg	19 777

*Static tipping loads and operating weights are based on L3 Michelin XHA tires, air conditioning, ride control, power train guard, full fluids, fuel tank, coolant, lubricants, and operator.

**The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit. SAE – Society of Automotive Engineers. CEN – European Committee for Standardization

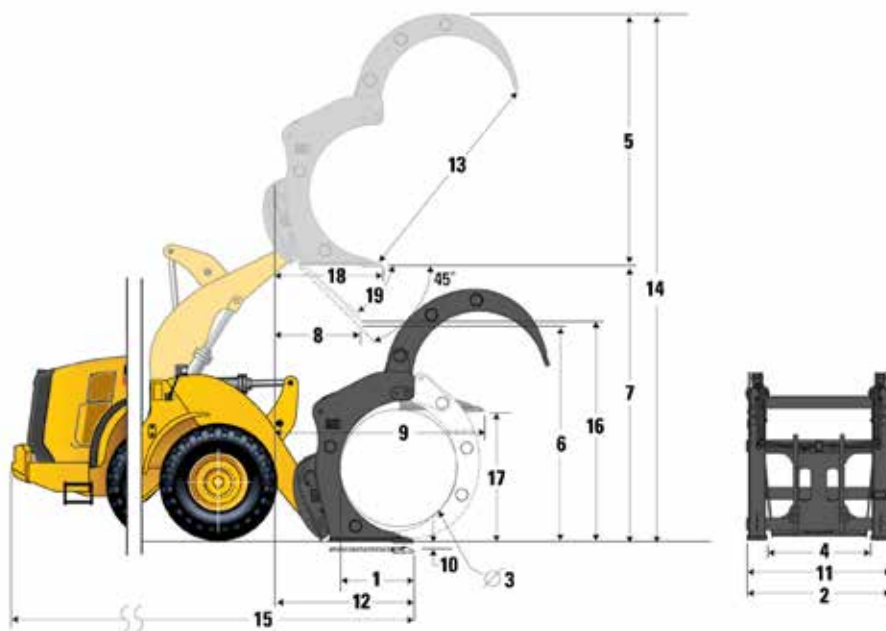
Refer to the Forks Product Bulletins for capacity load charts.

Additional forks are available and offerings vary by region. Consult your local Cat dealer for further details.

QC=Quick Coupler

950M Wheel Loader Specifications

Operating Specifications with Logging Sorting Grapple



Interface	Logger		
	Pin-On	Fusion QC	Universal QC
End Area	2.5 m²	2.5 m²	2.5 m²
1 Tine Length	mm	1230	1230
2 Fork Width	mm	1837	1837
3 Minimum Opening	mm	1382	1382
4 Distance Inside of Tine Tips	mm	1284	1284
5 Max Height of Fork (with Clamp Open if Applicable)	mm	3133	3132
6 Clearance with Full Lift, 45° Dump (If Max Dump <> 45)	mm	2817	2818
7 Clearance at Full Lift Fork Level	mm	3701	3702
8 Reach with Full Lift, 45° Dump (If Max Dump <> 45)	mm	1304	1304
9 Reach with Lift Arm Horizontal and Fork Level	mm	2695	2694
10 Digging Depth	mm	-126	-125
11 Width Over Tines	mm	1744	1744
12 Reach at Ground Level	mm	2133	2132
13 Max Opening Across Tine and Clamp	mm	2933	2933
14 Overall Height of Fork at Full Lift and Clamp Open	mm	6834	6834
15 Overall Length (Tip of Tine to Rear of Machine)	mm	8360	8359
16 Clearance at Full Lift and Max Dump Discharge (If <> 45)	mm	2805	2693
17 Clearance with Horizontal Lift Arms and Fork Level	mm	1740	1740.9
18 Reach at Full Lift and Fork Level	mm	1957.3	1957.3
19 Max Discharge Angle From Horizontal	degrees	46	57
Rated Payload	kg	6500	6300
Static Tipping Load, Articulated Fork Level	kg	8207	7864
Static Tipping Load, Straight Fork Level	kg	9635	9292
Operating Weight	kg	20 054	20 568

Static tipping loads and operating weights are based on the following loader configuration: L3 Michelin XHA tires, air conditioning, ride control, power train guard, full fluids, fuel tank, coolant, lubricants, and operator. The rated operating load for a loader equipped with a logging fork is determined by: CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit. Refer to the Forks Product Bulletins for capacity load charts.

Additional forks are available and offerings vary by region. Consult your local Cat dealer for further details.

QC=Quick Coupler

950M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
POWER TRAIN			OPERATOR ENVIRONMENT		
Axles, ecology drains	✓		Air conditioner, heater, and defroster (auto temp and fan)	✓	
Axles, manually actuated differential lock front axle, open differential rear axle	✓		Beverage holders (2) with storage compartment for cell phone/MP3 player	✓	
Axles: automatic front/rear differential locks, axle oil cooler, seal guards		✓	Bucket/work tool function lockout	✓	
Brake wear indicators	✓		Cab access ladders and handrails	✓	
Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)	✓		Cab air filter	✓	
Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump	✓		Cab, pressurized and sound suppressed (ROPS/FOPS)	✓	
Economy mode (selectable)	✓		Cab tie-off	✓	
Engine, Cat C7.1 – Stage V	✓		Cat seat cover, removable		✓
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓		Coat hook (2)	✓	
Fan, VPF (variable pitch fan), automatic and manual control		✓	Cover, HVAC metallic		✓
Fuel priming pump (electric)	✓		Door, remote opening system		✓
Fuel/water separator	✓		EH controls, SAL (single axis lever) lift and tilt function	✓	
Parking brake, disc and caliper	✓		EH controls, joystick lift and tilt: – Additional integrated roller switches for 3 rd and 4 th functions		✓
Precleaner, engine air intake	✓		EH controls, SAL 3 rd function: – Additional roller switch for 4 th function		✓
Radiator, high debris, wide fin spacing		✓	EH parking brake	✓	
Switch, transmission neutralizer lockout	✓		Filter, carbon fresh air		✓
Torque converter, locking clutch with free wheel stator	✓		Horn, electric	✓	
Transmission, automatic countershaft power shift (5F/3R)	✓		Light, two dome (cab)	✓	
CAT® CONNECT TECHNOLOGIES			Mirrors, heated rearview external with integrated spot mirrors		✓
Detect technologies:			Mirrors, rearview external with integrated spot mirrors	✓	
Rear vision camera	✓		Multi-function 18 cm color LCD touch-screen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters	✓	
Cat rear object detection		✓	Post mounted membrane 16 switch keypad	✓	
Link technologies:			Precleaner, HVAC		✓
Product Link	✓		Precleaner, HVAC (RESPA)		✓
VIMS™		✓	Radio, AM/FM/CD/USB/MP3 Bluetooth®		✓
Payload technologies:			Radio, CB ready		✓
Cat Production Measurement 2.0 (CPM), Printer, Cat Production Measurement, Aggregate Autodig		✓	Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)	✓	
Advanced Productivity subscription		✓	Receptacles (2), 12V	✓	
Machine security system		✓			

(continued on next page)

950M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
OPERATOR ENVIRONMENT (continued)			ELECTRICAL AND LIGHTING (continued)		
Roof, metallic		✓	Main disconnect switch	✓	
Seat, cloth, air suspension	✓		Receptacle start (cables not included)	✓	
Seat, suede/cloth, air suspension, heated		✓	Reversing strobes		✓
Seat, leather/cloth, air suspension, heated/cooled		✓	Speed limiter – 20 km/h		✓
Seat belt, 51 mm retractable, with indicator	✓		Starter, electric, heavy duty	✓	
Seat belt, 4-point harness, with indicator		✓	Starting and charging system (24V)	✓	
Seat, heated air suspension		✓	Secondary steering	✓	
Steering, EH joystick, speed sensing with force feedback		✓	Warning amber strobe beacon		✓
Steering, steering wheel	✓		FLUIDS		
Sun visor, front	✓		Bio-degradable oil, Cat HYDO™		✓
Sun visor, rear		✓	Premixed extended life coolant with freeze protection to -34°C	✓	
Viscous mounts	✓		Premixed extended life coolant with freeze protection to -50°C		✓
Wet-arm wipers/washers front and rear, intermittent front wiper	✓		HYDRAULICS		
Windows, rubber mounted		✓	Couplings, Cat O-ring face seal	✓	
Window, sliding (left and right sides)	✓		Hoses, Cat XT™	✓	
Windows, with front guard		✓	Hydraulic oil cooler (swing-out)	✓	
Windows, with full guards front, rear and sides		✓	Hydraulic system, load sensing	✓	
ELECTRICAL AND LIGHTING			Oil sampling valves	✓	
Alarm, back-up	✓		3 rd function with Ride Control: standard linkage, high lift linkage, forestry linkage		✓
Alternator, 145-amp brushed	✓		4 th function with Ride Control: standard linkage, high lift linkage, forestry linkage		✓
Batteries (2), maintenance free 1,400 CCA	✓		Remote diagnostic pressure taps	✓	
External seat belt indicator light		✓	Ride control, 2V	✓	
Ignition key: start/stop switch	✓		Steering, load sensing	✓	
Lighting system: four halogen work lights (cab-mounted), two halogen roading lights (with signals), two halogen rear vision lights (hood-mounted), two rear LED position/stop/turn	✓		LINKAGE		
Work lights, four additional halogen cab-mounted or;		✓	Forestry		✓
Work lights, two additional auxiliary front HI LED and two additional auxiliary rear LED cab-mounted, two LED work lights in the radiator grill, LED front turn signals, replacement of the standard four halogen cab mounted work lights with four LED work lights, LED roading lights		✓	High lift		✓
			Kickout, lift and tilt, automatic (adjustable in cab)	✓	
			Quick coupler ready		✓
			Z-bar, cast crosstube/tilt lever	✓	
			STARTERS, BATTERIES, AND ALTERNATORS		
			Cold start – 240V		✓
			WORK TOOLS		
			Forks, logging		✓
			Forks, pallet		✓
			Fusion quick coupler, ISO coupler		✓
			Performance Series buckets		✓

(continued on next page)

950M Wheel Loader Standard and Optional Equipment

Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
COMPUTERIZED MONITORING SYSTEM			OTHER STANDARD AND OPTIONAL EQUIPMENT		
With following gauges:	✓		Auto idle shutdown	✓	
Speedometer/tachometer			Cat Autolube System		✓
Digital gear range indicator			Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready		✓
Diesel Exhaust Fluid (DEF) level			Ecology drains for engine, transmission, and hydraulics	✓	
Temperature: engine coolant, hydraulic oil, transmission oil			Fenders with mud-flap/rear with extension	✓	
Fuel level			Fenders, roading		✓
With following warning indicators:	✓		Filters: fuel, engine air, engine oil, hydraulic oil, transmission	✓	
Temperature: axle oil, engine intake manifold			Fuel cooler	✓	
Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil			Grease zerks	✓	
Battery voltage hi/low			Grill, airborne debris	✓	
Engine air filter restriction			Guard, power train		✓
Hydraulic oil filter restriction			Hitch, drawbar with pin	✓	
Hydraulic oil low			Hood, non-metallic power tilting	✓	
Parking brake			Platform, window washing		✓
DEF low level			Precleaner, turbine		✓
Transmission filter bypass			Precleaner, trash		✓
			Precleaner rain cap	✓	
			Service centers (electrical and hydraulic)	✓	
			Sight gauges: engine coolant, hydraulic oil, and transmission oil level	✓	
			Toolbox	✓	
			Vandalism protection caplocks	✓	
			OTHER CONFIGURATIONS		
			Industrial and waste handler		✓
			Forestry		✓

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

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

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AEXQ2433-00 (2-2019)
2019 Product Update
Europe

