

950M Wheel Loader

Technical Specifications

Not all attachments available in all regions. Consult your Cat® dealer for specific configurations available in your region.

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Engine – (Tier 3/Stage IIIA e	quivalent)¹	
Engine Model	Cat C7.1	
Maximum Power (2,000 rpm)		
SAE J1995	196 kW	263 hp
ISO 14396	195 kW	261 hp
ISO 14396 (metric)		265 hp
Maximum Net Power (2,000 rpm)		
SAE J1349	185 kW	248 hp
ISO 9249	185 kW	248 hp
ISO 9249 (metric)		252 hp
Peak Gross Torque (1,400 rpm)		
SAE J1995	1053 N·m	777 lbf-ft
Maximum Net Torque (1,400 rpm)		
SAE J1349	984 N·m	726 lbf-ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- 1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- 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.

Engine – (Tier 4 Final/Stage V) ²	
Engine Model	Cat C7.1	
Maximum Power (2,100 rpm)		
SAE J1995	187 kW	250 hp
ISO 14396	186 kW	249 hp
ISO 14396 (metric)		253 hp
Maximum Net Power (2,100 rpm)		
SAE J1349	171 kW	230 hp
ISO 9249	171 kW	230 hp
ISO 9249 (metric)		232 hp
Peak Gross Torque (1,300 rpm)		
SAE J1995	1235 N·m	911 lbf-ft
Maximum Net Torque (1,300 rpm)		
SAE J1349	1163 N·m	858 lbf-ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- 2 Meets either U.S. EPA Tier 4 Final or EU Stage V, and Korea Tier 4 Final emission standards depending on region.
- 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	3.30-12.00 yd ³
Weight		
Operating Weight	19 213 kg	42,357 lb

 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 3.1 m³ (4.1 yd³) general purpose bucket with BOCE.

Operating Specifications Static Tipping Load – Full 40° Turn With Tire Deflection 11 005 kg 24,262 lb No Tire Deflection 11 760 kg 25,926 lb Breakout Force 181 kN 40,690 lbf

• Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Transmission		
Forward 1	6.9 km/h	4.3 mph
Forward 2	12.0 km/h	7.5 mph
Forward 3	19.3 km/h	12.0 mph
Forward 4	25.7 km/h	16.0 mph
Forward 5	39.5 km/h	24.5 mph
Reverse 1	6.9 km/h	4.3 mph
Reverse 2	12.0 km/h	7.5 mph
Reverse 3	25.7 km/h	16.0 mph

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Hydraulic System		
Implement Pump Type	Variable axial piston	
Implement System		
Maximum Pump Output (2,150 rpm)	286 L/min	76 gal/min
Maximum Operating Pressure	29 300 kPa	4,250 psi
Optional 3 rd /4 th Function Maximum Flow	240 L/min	63 gal/min
Optional 3 rd /4 th Function Maximum Pressure	21 780 kPa	3,159 psi
Hydraulic Cycle Time with Rated Payload		
Raise from Carry Position	5.1 Sec.	
Dump, at Maximum Raise	1.5 Sec.	
Lower, Empty, Float Down	2.3	Sec.
Total	8.9 Sec.	

Brakes	
Brakes	Brakes meet ISO 3450:2011 standards

Axles	
Front	Fixed
Rear	Oscillating ±13 degrees
Maximum Single-Wheel Rise and Fall	496 mm 1.6 ft

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

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)	
Tier 3/Stage IIIA Equivalent	72 dB(A)*
Tier 4 Final/Stage V	70 dB(A)*
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)*
Exterior Sound Pressure Level (SAE J88:2013)	75 dB(A)**

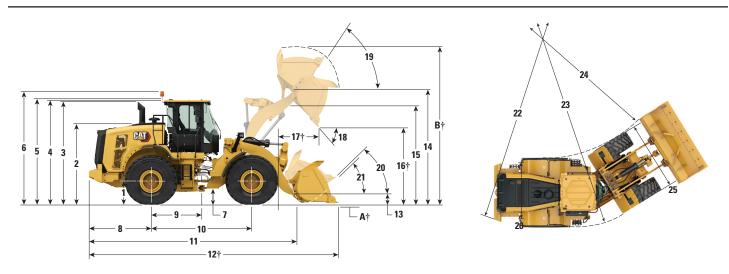
- *For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.
- **For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

Service Refill Capacities		
Fuel Tank	275 L	72.6 gal
DEF Tank*	16 L	4.2 gal
Cooling System	59 L	15.6 gal
Crankcase	22 L	5.8 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – Front	43 L	11.4 gal
Differentials and Final Drives – Rear	43 L	11.4 gal
Hydraulic Tank	125 L	33.0 gal

*Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/Stage V models.

Dimensions

All dimensions are approximate.



	Standa	rd Lift	High	Lift
Height to Axle Centerline	747 mm	2'5"	747 mm	2'5"
Height to Top of Hood	2697 mm	8'10"	2697 mm	8'10"
Height to Top of Exhaust Pipe	3413 mm	11'2"	3413 mm	11'2"
Height to Top of ROPS	3451 mm	11'4"	3451 mm	11'4"
Height to Top of Product Link Antenna	3653 mm	12'0"	3653 mm	12'0"
Height to Top of Warning Beacon	3747 mm	12'4"	3747 mm	12'4"
Ground Clearance	367 mm	1'2"	367 mm	1'2"
Center Line of Rear Axle to Edge of Counterweight	1942 mm	6'4"	1942 mm	6'4"
Center Line of Rear Axle to Hitch	1675 mm	5'6"	1675 mm	5'6"
Wheelbase	3350 mm	11'0"	3350 mm	11'0"
Overall Length (without bucket)	6906 mm	22'8"	7488 mm	24'7"
Shipping Length (with bucket level on ground)*†	8199 mm	26'11"	8781 mm	28'10"
Hinge Pin Height at Carry Height	647 mm	2'1"	782 mm	2'7"
Hinge Pin Height at Maximum Lift	4027 mm	13'3"	4527 mm	14'10"
Lift Arm Clearance at Maximum Lift	3280 mm	10'9"	3634 mm	11'11"
Dump Clearance at Maximum Lift and 45° Discharge*†	2876 mm	9'5"	3382 mm	11'1"
Reach at Maximum Lift and 45° Discharge*†	1430 mm	4'8"	1465 mm	4'10"
Dump Angle at Maximum Lift and Dump (on stops)*	51 deg	grees	48 deg	rees
Rack Back at Maximum Lift*	59 deg	grees	59 deg	rees
Rack Back at Carry Height*	49 deg	grees	49 deg	rees
			40.1	.maac
Rack Back at Ground*	36 deg	grees	40 deg	rees
Rack Back at Ground* Turning Radius to Counterweight	36 deg 6023 mm	19'8"	6023 mm	19'8"
		<u> </u>		
Turning Radius to Counterweight	6023 mm	19'8"	6023 mm	19'8"
Turning Radius to Counterweight Turning Radius to Outside of Tires	6023 mm 5985 mm	19'8" 19'6"	6023 mm 5985 mm	19'8" 19'6"
Turning Radius to Counterweight Turning Radius to Outside of Tires Turning Radius to Inside of Tires	6023 mm 5985 mm 3163 mm	19'8" 19'6" 10'5"	6023 mm 5985 mm 3179 mm	19'8" 19'6" 10'5"
	Height to Top of Hood Height to Top of Exhaust Pipe Height to Top of ROPS Height to Top of Product Link Antenna Height to Top of Warning Beacon Ground Clearance Center Line of Rear Axle to Edge of Counterweight Center Line of Rear Axle to Hitch Wheelbase Overall Length (without bucket) Shipping Length (with bucket level on ground)*† Hinge Pin Height at Carry Height Hinge Pin Height at Maximum Lift Lift Arm Clearance at Maximum Lift Dump Clearance at Maximum Lift and 45° Discharge*† Reach at Maximum Lift and Dump (on stops)* Rack Back at Maximum Lift*	Height to Axle Centerline Height to Top of Hood 2697 mm Height to Top of Exhaust Pipe 3413 mm Height to Top of ROPS 3451 mm Height to Top of Product Link Antenna 3653 mm Height to Top of Warning Beacon Ground Clearance 367 mm Center Line of Rear Axle to Edge of Counterweight Center Line of Rear Axle to Hitch 1675 mm Wheelbase 3350 mm Overall Length (without bucket) Shipping Length (with bucket level on ground)*† Hinge Pin Height at Carry Height Hinge Pin Height at Maximum Lift Lift Arm Clearance at Maximum Lift Dump Clearance at Maximum Lift and 45° Discharge*† Reach at Maximum Lift and 45° Discharge*† 1942 mm 1942 mm 6906 mm 8199 mm 4027 mm 1948 mm 1949 mm 1940 mm 1940 mm 1941 mm 1942 mm 1942 mm 1943 mm 1944 mm 1945 mm 1945 mm 1946 mm 1947 mm 1948 mm 1949 mm 1940 mm 1940 mm 1941 mm 1942 mm 1943 mm 1944 mm 1945 mm 1945 mm 1946 mm 1947 mm 1948 mm 1949 mm 1949 mm 1940 mm	Height to Axle Centerline 747 mm 2'5" Height to Top of Hood 2697 mm 8'10" Height to Top of Exhaust Pipe 3413 mm 11'2" Height to Top of ROPS 3451 mm 11'4" Height to Top of Product Link Antenna 3653 mm 12'0" Height to Top of Warning Beacon 3747 mm 12'4" Ground Clearance 367 mm 1'2" Center Line of Rear Axle to Edge of Counterweight 1942 mm 6'4" Center Line of Rear Axle to Hitch 1675 mm 5'6" Wheelbase 3350 mm 11'0" Overall Length (without bucket) 6906 mm 22'8" Shipping Length (with bucket level on ground)*† 8199 mm 26'11" Hinge Pin Height at Carry Height 647 mm 2'1" Hinge Pin Height at Maximum Lift 4027 mm 13'3" Lift Arm Clearance at Maximum Lift 3280 mm 10'9" Dump Clearance at Maximum Lift and 45° Discharge*† 2876 mm 9'5" Reach at Maximum Lift and Dump (on stops)* 51 degrees Rack Back at Maximum Lift* 59 degrees <th>Height to Axle Centerline 747 mm 25" 747 mm Height to Top of Hood 2697 mm 810" 2697 mm Height to Top of Exhaust Pipe 3413 mm 11'2" 3413 mm Height to Top of ROPS 3451 mm 11'4" 3451 mm Height to Top of Product Link Antenna 3653 mm 12'0" 3653 mm Height to Top of Warning Beacon 3747 mm 3747 mm Ground Clearance 367 mm 12" 367 mm Center Line of Rear Axle to Edge of Counterweight 1942 mm Center Line of Rear Axle to Hitch 1675 mm S'6" 1675 mm Wheelbase 3350 mm 11'0" 3350 mm Overall Length (without bucket) 6906 mm 22'8" 7488 mm Shipping Length (with bucket level on ground)*† 8199 mm 26'11" 8781 mm Hinge Pin Height at Carry Height 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 3280 mm 10'9" 3634 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2876 mm Pump Angle at Maximum Lift and Dump (on stops)* 51 degrees 48 deg Rack Back at Maximum Lift and Dump (on stops)* 59 degrees 59 degrees</th>	Height to Axle Centerline 747 mm 25" 747 mm Height to Top of Hood 2697 mm 810" 2697 mm Height to Top of Exhaust Pipe 3413 mm 11'2" 3413 mm Height to Top of ROPS 3451 mm 11'4" 3451 mm Height to Top of Product Link Antenna 3653 mm 12'0" 3653 mm Height to Top of Warning Beacon 3747 mm 3747 mm Ground Clearance 367 mm 12" 367 mm Center Line of Rear Axle to Edge of Counterweight 1942 mm Center Line of Rear Axle to Hitch 1675 mm S'6" 1675 mm Wheelbase 3350 mm 11'0" 3350 mm Overall Length (without bucket) 6906 mm 22'8" 7488 mm Shipping Length (with bucket level on ground)*† 8199 mm 26'11" 8781 mm Hinge Pin Height at Carry Height 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 4027 mm 13'3" 4527 mm Lift Arm Clearance at Maximum Lift 3280 mm 10'9" 3634 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2876 mm Pump Angle at Maximum Lift and Dump (on stops)* 51 degrees 48 deg Rack Back at Maximum Lift and Dump (on stops)* 59 degrees 59 degrees

^{*}With 3.1 m³ (4.1 yd³) general purpose pin on bucket with BOCE (see Operating Specifications for other Buckets).

 $^{{\}ensuremath{\mathsf{TDimensions}}}$ 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.

Tire Options

Tire Brand	Michelin	Bridgestone	Goodyear	Bridgestone	Bridgestone	Michelin	Bridgestone
Fire Size	23.5R25	23.5R25	23.5R25	23.5-25	23.5R25	750/65R25	23.5-25
Tread Type	L-3	L-3	L-3	L-3	L-3	L-3	L-3
Tread Pattern	XHA2	VMT	RT-3B	SRG LD	VJT	XLD	VL2
Width over Tires – Maximum (empty)*	2814 mm	2805 mm	2835 mm	2768 mm	2798 mm	2948 mm	2769 mm
	9'2"	9'2"	9'4"	9'1"	9'2"	9'8"	9'1"
Width over Tires – Maximum (loaded)*	2822 mm	2834 mm	2846 mm	2795 mm	2831 mm	2965 mm	2782 mm
	9'3"	9'4"	9'4"	9'2"	9'3"	9'9"	9'2"
Change in Vertical Dimensions	0 mm	−3 mm	-1 mm	1 mm	–6 mm	–6 mm	14 mm
average of front and rear)	0"	-0.1"	0"	0"	-0.2"	-0.2"	0.6"
Change in Horizontal Reach	0 mm	6 mm	3 mm	-16 mm	6 mm	11 mm	3 mm
	0"	0.2"	0.1"	-0.6"	0.2"	0.4"	0.1"
Change in Clearance Circle (radius) to Outside	0 mm	12 mm	24 mm	–27 mm	9 mm	143 mm	–40 mm
of Tires	0"	0.5"	1"	-1.1"	0.4"	5.6"	-1.6"
Change in Clearance Circle (radius) to Inside	0 mm	-12 mm	-24 mm	27 mm	–9 mm	-143 mm	40 mm
of Tires	0"	-0.5"	-1"	1.1"	-0.4"	-5.6"	1.6"
Change in Operating Weight (without Ballast)	0 kg	188 kg	127 kg	–248 kg	168 kg	801 kg	-100 kg
	0 lb	414 lb	280 lb	−547 lb	370 lb	1,766 lb	-220 lb
Change in Static Tipping Load – Straight	0 kg	125 kg	85 kg	−165 kg	112 kg	534 kg	–67 kg
	0 lb	276 lb	187 lb	-364 lb	247 lb	1,177 lb	-148 lb
Change in Static Tipping Load – Articulated	0 kg	109 kg	74 kg	−144 kg	98 kg	466 kg	–58 kg
	0 lb	240 lb	163 lb	−317 lb	216 lb	1,027 lb	-128 lb

^{*}Width over bulge and includes tire growth.

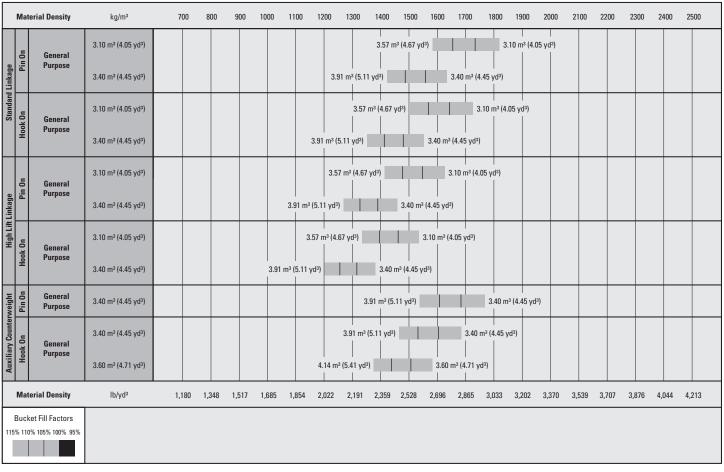
Bucket Fill Factors and Selection Guide

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/m³ (2,528-2,865 lb/yd³)	115
Sand and Gravel		1500-1700 kg/m³ (2,528-2,865 lb/yd³)	115
Aggregate:	25-76 mm (1 to 3 in)	1600-1700 kg/m³ (2,696-2,865 lb/yd³)	110
	19 mm (0.75 in) and smaller	1800 kg/m³ (3,033 lb/yd³)	105
Rock:	76 mm (3 in) and larger	1600 kg/m³ (2,696 lb/yd³)	100

^{*}As a % of ISO 7546:1983 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.

Operating Specifications – Buckets

Linkage				Standard	l Linkage			
Bucket Type		G	eneral Purpo	se		Pin On		_
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	High Lift Linkage Change**
Capacity – Rated	m³	3.10	3.10	2.90	3.40	3.40	3.20	_
	yd³	4.05	4.05	3.79	4.45	4.45	4.19	
Capacity – Rated at 110% Fill Factor	m^3	3.41	3.41	3.19	3.74	3.74	3.52	_
	yd³	4.46	4.46	4.17	4.89	4.89	4.60	
Width	mm	2927	2994	2994	2927	2994	2994	_
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	_
16† Dump Clearance at Maximum Lift	mm	2876	2758	2758	2819	2700	2700	505
and 45° Discharge	ft/in	9'5"	9'0"	9'0"	9'3"	8'10"	8'10"	1'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1429	1540	1540	1473	1582	1582	35
	ft/in	4'8"	5'0"	5'0"	4'10"	5'2"	5'2"	1"
Reach at Level Lift Arm and Bucket Level	mm	2688	2849	2849	2761	2922	2922	374
	ft/in	8'9"	9'4"	9'4"	9'0"	9'7"	9'7"	1'2"
A† Digging Depth	mm	90	90	60	90	90	60	4
	in	3.5"	3.5"	2.3"	3.5"	3.5"	2.3"	0.1"
12† Overall Length	mm	8199	8372	8372	8272	8445	8445	583
	ft/in	26'11"	27'6"	27'6"	27'2"	27'9"	27'9"	1'11"
B † Overall Height with Bucket at Maximum Lift	mm	5525	5525	5525	5597	5597	5597	506
	ft/in	18'2"	18'2"	18'2"	18'5"	18'5"	18'5"	1'8"
Loader Clearance Circle Radius with Bucket	mm	6881	6966	6966	6903	6988	6988	197
at Carry Position	ft/in	22'7"	22'10"	22'10"	22'8"	22'11"	22'11"	8.0"
Static Tipping Load, Straight	kg	12 769	12 629	12 912	12 605	12 463	12 742	-1277
(With Tire Deflection)*	1b	28,144	27,834	28,458	27,783	27,469	28,083	-2,814
Static Tipping Load, Straight	kg	13 510	13 368	13 658	13 349	13 205	13 491	-1436
(No Tire Deflection)*	1b	29,776	29,463	30,103	29,421	29,105	29,734	-3,165
Static Tipping Load, Articulated	kg	11 004	10 864	11 129	10 847	10 705	10 966	-1184
(With Tire Deflection)*	1b	24,254	23,944	24,529	23,908	23,594	24,169	-2,610
Static Tipping Load, Articulated	kg	11 759	11 617	11 889	11 605	11 461	11 728	-1333
(No Tire Deflection)*	1b	25,917	25,604	26,203	25,577	25,260	25,849	-2,939
Breakout Force	kN	181	179	196	170	169	184	_9
	1bf	40,706	40,421	44,216	38,333	38,050	41,455	-2,026
Operating Weight*	kg	19 214	19 322	19 165	19 307	19 415	19 258	603
	1b	42,346	42,584	42,238	42,552	42,790	42,444	1,328
		•	•	-	-	-	-	-

^{*}Static tipping loads and operating weights shown are 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 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.

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

^{**}Maximum values.

[†]Illustration shown with Dimension charts.

Operating Specifications – Buckets

Linkage	,			Standar	l Linkage			
Bucket Type		G	eneral Purpo	se		Hook On		_
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Tips	Bolt-On Cutting Edges	Teeth and Segments	Tips	High Lift Linkage Change**
Capacity – Rated	m³	3.10	3.10	2.90	3.40	3.40	3.20	_
	yd³	4.05	4.05	3.79	4.45	4.45	4.19	_
Capacity – Rated at 110% Fill Factor	m^3	3.41	3.41	3.19	3.74	3.74	3.52	_
	yd³	4.46	4.46	4.17	4.89	4.89	4.60	
Width	mm	2927	2994	2994	2927	2994	2994	_
	ft/in	9'7"	9'9"	9'9"	9'7"	9'9"	9'9"	
16† Dump Clearance at Maximum Lift	mm	2837	2718	2718	2779	2660	2660	505
and 45° Discharge	ft/in	9'3"	8'11"	8'11"	9'1"	8'8"	8'8"	1'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1475	1585	1585	1518	1627	1627	35
	ft/in	4'10"	5'2"	5'2"	4'11"	5'4"	5'4"	1"
Reach at Level Lift Arm and Bucket Level	mm	2748	2909	2909	2821	2982	2982	374
	ft/in	9'0"	9'6"	9'6"	9'3"	9'9"	9'9"	1'2"
A† Digging Depth	mm	90	90	60	90	90	60	4
	in	3.5"	3.5"	2.3"	3.5"	3.5"	2.3"	0.1"
12† Overall Length	mm	8259	8432	8432	8332	8505	8505	583
	ft/in	27'2"	27'8"	27'8"	27'5"	27'11"	27'11"	1'11"
B† Overall Height with Bucket at Maximum Lift	mm	5558	5558	5558	5630	5630	5630	506
	ft/in	18'3"	18'3"	18'3"	18'6"	18'6"	18'6"	1'8"
Loader Clearance Circle Radius with Bucket	mm	6895	6981	6981	6917	7003	7003	197
at Carry Position	ft/in	22'7"	22'11"	22'11"	22'8"	23'0"	23'0"	8.0"
Static Tipping Load, Straight	kg	12 183	12 043	12 373	12 051	11 909	12 237	-1277
(With Tire Deflection)*	1b	26,853	26,544	27,271	26,561	26,249	26,971	-2,814
Static Tipping Load, Straight	kg	12 913	12 771	13 113	12 784	12 641	12 981	-1436
(No Tire Deflection)*	1b	28,461	28,148	28,902	28,176	27,860	28,610	-3,165
Static Tipping Load, Articulated	kg	10 445	10 305	10 617	10 319	10 178	10 488	-1184
(With Tire Deflection)*	1b	23,022	22,713	23,400	22,744	22,432	23,116	-2,610
Static Tipping Load, Articulated	kg	11 189	11 047	11 371	11 066	10 923	11 245	-1333
(No Tire Deflection)*	1b	24,661	24,349	25,063	24,391	24,075	24,785	-2,939
Breakout Force	kN	172	171	186	162	161	175	_9
	1bf	38,754	38,471	41,942	36,598	36,318	39,451	-2,026
Operating Weight*	kg	19 683	19 791	19 634	19 753	19 861	19 704	603
	1b	43,382	43,620	43,274	43,536	43,774	43,428	1,328

^{*}Static tipping loads and operating weights shown are 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 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.

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

^{**}Maximum values.

[†]Illustration shown with Dimension charts.

Operating Specifications – Buckets

Package			Auxiliary Counterweight	
Bucket Type		General Purpose – Pin On		Purpose – k On
Edge Type		Bolt-On Cutting Edges	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity – Rated	m³	3.40	3.40	3.60
	yd³	4.45	4.45	4.71
Capacity – Rated at 110% Fill Factor	m³	3.74	3.74	3.96
	yd³	4.89	4.89	5.18
Width	mm	2927	2927	2927
	ft/in	9'7"	9'7"	9'7"
16† Dump Clearance at Maximum Lift	mm	2819	2779	2753
and 45° Discharge	ft/in	9'3"	9'1"	9'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1473	1518	1539
	ft/in	4'10"	4'11"	5'0"
Reach at Level Lift Arm and Bucket Level	mm	2761	2821	2856
	ft/in	9'0"	9'3"	9'4"
A† Digging Depth	mm	90	90	90
	in	3.5"	3.5"	3.5"
12 † Overall Length	mm	8401	8461	8496
	ft/in	27'7"	27'10"	27'11"
B† Overall Height with Bucket at Maximum Lift	mm	5597	5630	5664
	ft/in	18'5"	18'6"	18'7"
Loader Clearance Circle Radius with Bucket	mm	6903	6917	6927
at Carry Position	ft/in	22'7"	22'8"	22'9"
Static Tipping Load, Straight	kg	13 644	13 074	13 006
(With Tire Deflection)*	1b	30,072	28,815	28,666
Static Tipping Load, Straight	kg	14 462	13 880	13 814
(No Tire Deflection)*	1b	31,874	30,592	30,446
Static Tipping Load, Articulated	kg	11 704	11 163	11 099
(With Tire Deflection)*	lb	25,797	24,604	24,462
Static Tipping Load, Articulated	kg	12 541	11 988	11 926
(No Tire Deflection)*	lb	27,640	26,422	26,285
Breakout Force	kN	170	162	158
	lbf	38,333	36,598	35,639
Operating Weight*	kg	19 807	20 253	20 287
	lb	43,654	44,638	44,713

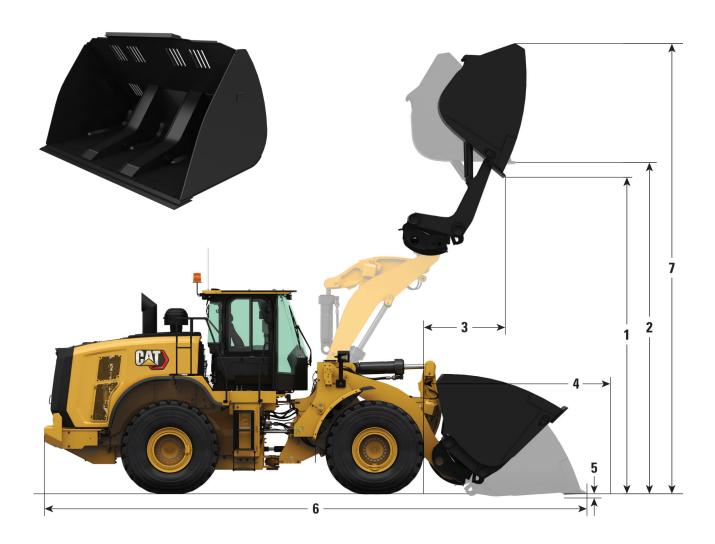
^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, standard counterweight, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), power train guard, secondary steering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

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

[†]Illustration shown with Dimension charts.

Light Material High Dump Buckets

All dimensions are approximate.



Bucket Key Features

- High Dump bucket increases dump height 2.2 m (7'3") for largest size available on 950M
- High capacity available in Pin On, Fusion, or VCE coupler interface
- Ideal for low density and free flowing materials like wood chips and pellets
- Narrow tilt frame provides excellent cutting edge rigidity
- Adjustable windows provide a variety of configurations depending on the material being moved
- Requires 3rd valve hydraulics

0	perating Specifications – Ligh	nt Mate	rial Hig	h Dump I	Bucket -	- Standa	rd Count	terweigl	nt		
Pa	nckage					95	60M Standa	ırd			
Вι	ıcket Type			Pin On			Fusion™			VCE-ISO	
Ed	lge Type		Bolt-On Cutting Edges								
	Capacity – Rated	m ³	6.10	7.60	9.20	6.10	7.60	9.20	6.10	7.60	9.20
		yd³	8.00	10.00	12.00	8.00	10.00	12.00	8.00	10.00	12.00
	Capacity – Rated at	m^3	6.70	8.40	10.10	6.70	8.40	10.10	6.70	8.40	10.10
	110% Fill Factor	yd³	8.75	11.00	13.25	8.75	11.00	13.25	8.75	11.00	13.25
	Width	mm	3037	3350	3350	3037	3350	3350	3037	3350	3350
		ft/in	9'11"	10'11"	10'11"	9'11"	10'11"	10'11"	9'11"	10'11"	10'11"
1	Dump Clearance at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge	mm ft/in	4543 14'10"	4473 14'8"	4332 14'2"	4599 15'1"	4528 14'10"	4387 14'4"	4611 15'1"	4541 14'10"	4400 14'5"
2	Clearance at Max Lift, Max Rack, Bucket Rolled out to Level	mm ft/in	4969 16'3"	4969 16'3"	4969 16'3"	5025 16'5"	5025 16'5"	5025 16'5"	5038 16'6"	5038 16'6"	5038 16'6"
3	Reach at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge	mm ft/in	1826 5'11"	1899 6'2"	2040 6'8"	1862 6'1"	1933 6'4"	2074 6'9"	1868 6'1"	1940 6'4"	2082 6'9"
4	Reach at Level Lift Arm	mm	3372	3472	3672	3437	3537	3737	3452	3552	3752
	and Bucket Level	ft/in	11'0"	11'4"	12'0"	11'3"	11'7"	12'3"	11'3"	11'7"	12'3"
5	Digging Depth	mm	59	59	59	59	59	59	59	59	59
		ft/in	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"
6	Overall Length	mm ft/in	8882 29'2"	8982 29'6"	9182 30'2"	8947 29'5"	9047 29'9"	9247 30'5"	8962 29'5"	9062 29'9"	9262 30'5"
7	Overall Height with Bucket at	mm	6843	6882	7034	6898	6937	7089	6911	6950	7102
	Max Height and Max Rack	ft/in	22'5"	22'6"	23'0"	22'7"	22'9"	23'3"	22'8"	22'9"	23'3"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm ft/in	7001 23'0"	7171 23'6"	7239 23'9"	7022 23'0"	7192 23'7"	7262 23'10"	7025 23'1"	7197 23'7''	7267 23'10"
	Static Tipping Load, Straight	kg	10 801	10 488	10 164	10 159	9851	9536	10 266	9956	9641
	(With Tire Deflection)*	lb	21,249	20,586	19,917	19,889	19,235	18,584	20,159	19,502	18,848
	Static Tipping Load, Straight	kg	11 556	11 243	10 922	10 898	10 589	10 277	11 002	10 692	10 380
	(No Tire Deflection)*	lb	22,563	21,902	21,240	21,179	20,526	19,881	21,446	20,789	20,141
	Static Tipping Load, Articulated	kg	9132	8829	8522	8516	8218	7920	8629	8329	8030
	(With Tire Deflection)*	lb	17,752	17,109	16,474	16,440	15,806	15,188	16,721	16,083	15,463
	Static Tipping Load, Articulated	kg	9895	9592	9288	9263	8964	8669	9373	9072	8776
	(No Tire Deflection)*	lb	19,106	18,465	17,837	17,771	17,137	16,525	18,048	17,411	16,796
	Breakout Force	kN	116	108	97	111	104	93	110	103	92
		1bf	24,747	23,123	20,598	23,678	22,141	19,766	23,430	21,913	19,569
	Operating Weight*	kg	20 393	20 622	20 795	20 959	21 189	21 361	20 738	20 968	21 141
		1b	46,273	46,778	47,159	47,520	48,027	48,406	47,033	47,540	47,922

^{*}Static tipping loads and operating weights shown are 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 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.

Dookono					0.5	ORA A:!:				
Package					95	oM Auxilia	ary			
Bucket Type			Pin On			Fusion			VCE-ISO	
Edge Type		Bolt-On Cutting Edges								
Capacity – Rated	m ³	6.10	7.60	9.20	6.10	7.60	9.20	6.10	7.60	9.20
cupucity 1cu	yd ³	8.00	10.00	12.00	8.00	10.00	12.00	8.00	10.00	12.00
Capacity – Rated at	m ³	6.70	8.40	10.10	6.70	8.40	10.10	6.70	8.40	10.10
110% Fill Factor	yd^3	8.75	11.00	13.25	8.75	11.00	13.25	8.75	11.00	13.25
Width	mm	3037	3350	3350	3037	3350	3350	3037	3350	3350
	ft/in	9'11"	10'11"	10'11"	9'11"	10'11"	10'11"	9'11"	10'11"	10'11"
1 Dump Clearance at Max Lift,	mm	4543	4473	4332	4599	4528	4387	4611	4541	4400
Max Rack, Bucket Rolled out to 45° Discharge	ft/in	14'10"	14'8"	14'2"	15'1"	14'10"	14'4"	15'1"	14'10"	14'5"
2 Clearance at Max Lift,	mm	4969	4969	4969	5025	5025	5025	5038	5038	5038
Max Rack, Bucket Rolled out to Level	ft/in	16'3"	16'3"	16'3"	16'5"	16'5"	16'5"	16'6"	16'6"	16'6"
3 Reach at Max Lift, Max Rack,	mm	1826	1899	2040	1862	1933	2074	1868	1940	2082
Bucket Rolled out to 45° Discharge	ft/in	5'11"	6'2"	6'8"	6'1"	6'4"	6'9"	6'1"	6'4"	6'9"
4 Reach at Level Lift Arm	mm	3372	3472	3672	3437	3537	3737	3452	3552	3752
and Bucket Level	ft/in	11'0"	11'4"	12'0"	11'3"	11'7"	12'3"	11'3"	11'7"	12'3"
5 Digging Depth	mm	59	59	59	59	59	59	59	59	59
	ft/in	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"
6 Overall Length	mm	9011	9111	9311	9076	9176	9376	9091	9191	9391
	ft/in	29'2"	29'6"	30'2"	29'5"	29'9"	30'5"	29'5"	29'9"	30'5"
7 Overall Height with Bucket at	mm	6843	6882	7034	6898	6937	7089	6911	6950	7102
Max Height and Max Rack	ft/in	22'5"	22'6"	23'0"	22'7"	22'9"	23'3"	22'8"	22'9"	23'3"
Loader Clearance Circle Radius	mm	7001	7171	7239	7022	7192	7262	7025	7197	7267
with Bucket at Carry Position	ft/in	23'0"	23'6"	23'9"	23'0"	23'7"	23'10"	23'1"	23'7"	23'10"
Static Tipping Load, Straight	kg	11 783	11 463	11 127	11 126	10 811	10 485	11 230	10 913	10 586
(With Tire Deflection)*	lb	21,249	20,586	19,917	19,889	19,235	18,584	20,159	19,502	18,848
Static Tipping Load, Straight	kg	12 616	12 296	11 965	11 941	11 627	11 304	12 042	11 725	11 403
(No Tire Deflection)*	lb	22,563	21,902	21,240	21,179	20,526	19,881	21,446	20,789	20,141
Static Tipping Load, Articulated	kg	9942	9633	9316	9313	9009	8701	9423	9117	8809
(With Tire Deflection)*	1b	17,752	17,109	16,474	16,440	15,806	15,188	16,721	16,083	15,463
Static Tipping Load, Articulated	kg	10 786	10 478	10 165	10 140	9836	9532	10 247	9941	9637
(No Tire Deflection)*	lb	19,106	18,465	17,837	17,771	17,137	16,525	18,048	17,411	16,796
Breakout Force	kN	116	108	97	111	104	93	110	103	92
	lbf	24,747	23,123	20,598	23,678	22,141	19,766	23,430	21,913	19,569
Operating Weight*	kg	20 893	21 122	21 295	21 459	21 689	21 861	21 238	21 468	21 641
	lb	46,273	46,778	47,159	47,520	48,027	48,406	47,033	47,540	47,922

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 26.5R25 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.

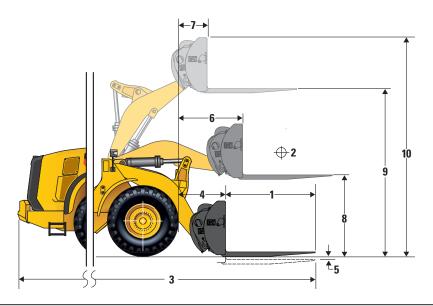
(With Tire Deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No Tire Deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

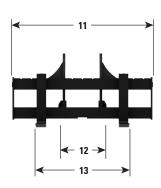
Operating Specifications – Light Material High Dump Bucket – High Lift Linkage 950M High Lift **Package** VCE-ISO Pin On **Bucket Type Fusion** Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On Bolt-On **Cutting** Cutting **Cutting** Cutting Cutting Cutting Cutting **Cutting Cutting Edges Edges Edges Edges Edge Type Edges Edges Edges Edges Edges** m^3 6.10 7.60 9.20 6.10 7.60 9.20 6.10 7.60 9.20 Capacity - Rated yd^3 8.00 10.00 12.00 8.00 10.00 12.00 8.00 10.00 12.00 Capacity - Rated at m^3 6.70 8.40 10.10 6.70 8.40 10.10 6.70 8.40 10.10 110% Fill Factor yd^3 8.75 11.00 13.25 8.75 11.00 8.75 11.00 13.25 13.25 Width 3037 3037 3350 3350 3350 3350 3037 3350 3350 mm ft/in 9'11" 10'11" 10'11" 9'11" 10'11" 10'11" 9'11" 10'11" 10'11" Dump Clearance at Max Lift, 5005 4934 4792 5059 4988 4846 5072 5001 4859 mm Max Rack, Bucket Rolled out 14'10" 14'2" 14'4" 14'10" ft/in 14'8" 15'1" 14'10" 15'1" 14'5" to 45° Discharge Clearance at Max Lift, mm 5432 5432 5432 5486 5486 5486 5499 5499 5499 Max Rack, Bucket Rolled 16'3" ft/in 16'3" 16'3" 16'5" 16'5" 16'5" 16'6" 16'6" 16'6" out to Level Reach at Max Lift, Max Rack, 1855 1924 2060 1892 1960 1901 1969 2096 2105 mm Bucket Rolled out to 5'11" 6'2" 6'8" 6'1" 6'4" 6'9" 6'1" 6'4" 6'9" ft/in 45° Discharge Reach at Level Lift Arm 3747 3847 4047 3812 3912 4112 3827 3927 4127 mm and Bucket Level 11'0" 11'4" 12'0" 11'3" 11'7" 12'3" 11'3" 11'7" 12'3" ft/in Digging Depth 63 63 mm 63 63 63 63 63 63 63 ft/in 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" 2'3" Overall Length 9465 9565 9765 9530 9630 9830 9545 9645 9845 mm 29'9" ft/in 29'2" 29'6" 30'2" 29'5" 29'9" 30'5" 29'5" 30'5" Overall Height with Bucket at mm 7309 7348 7500 7363 7402 7554 7375 7414 7566 Max Height and Max Rack 22'9" 22'5" 23'0" 22'7" 22'9" 23'3" 22'8" 23'3" ft/in 22'6" Loader Clearance Circle Radius 7210 7378 7448 7222 7390 7460 7214 7382 7452 mm with Bucket at Carry Position 23'8" 24'2" 24'5" 23'8" 24'3" 24'6" 23'8" 24'3" 24'5" ft/in Static Tipping Load, Straight kg 9641 9340 9036 9024 8727 8432 9146 8848 8552 (With Tire Deflection)* 21,249 20,586 19,917 19,889 19,235 18,584 20,159 19,502 1b 18,848 Static Tipping Load, Straight kg 10 237 9937 9637 9609 9313 9020 9730 9432 9138 (No Tire Deflection)* 1b 22,563 21,902 21,240 21,179 20,526 19,881 21,446 20,789 20,141 Static Tipping Load, Articulated kg 8054 7763 7474 7459 7171 6891 7586 7297 7015 (With Tire Deflection)* 17,109 16,474 16,440 15,806 1b 17,752 15,188 16,721 16,083 15,463 Static Tipping Load, Articulated kg 8669 8378 8093 8063 7775 7497 8188 7899 7621 (No Tire Deflection)* 1b 19,106 18,465 17,837 17,771 17,137 16,525 18,048 17,411 16,796 **Breakout Force** 91 105 97 kN 110 102 98 87 104 87 23,123 1bf 24,747 20,598 22,141 19,766 21,913 23,678 23,430 19,569 Operating Weight* 20 995 21 224 21 397 21 561 21 791 21 963 21 340 21 570 21 743 kg 48,027 1b 46,273 46,778 47,159 47,520 48,406 47,033 47,540 47,922

(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.

^{*}Static tipping loads and operating weights shown 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.

Pallet and Construction Forks – ITA



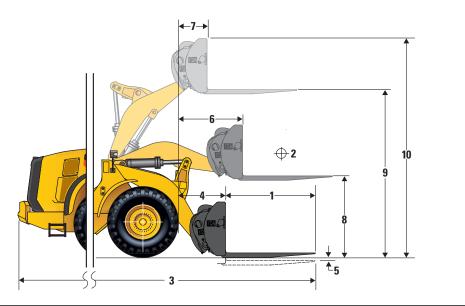


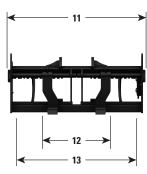
Palle	t Fork - Fusion			
	60"]	Tines	72" 1	Tines
	mm	ft' in"	mm	ft' in"
1 Fork Tine Length	1524	5' 0"	1830	6' 0"
2 Load Center	762	2' 6"	915	3' 0"
3 Overall Length	8865	29' 1"	9171	30' 1"
4 Reach at Ground	1243	4' 1"	1243	4' 1"
5 Dig Depth	-82	-3.2	-82	-3.2
6 Reach with Level Arm	1746	5' 9"	1746	5' 9"
7 Reach at Full Lift	1031	3' 5"	1031	3' 5"
8 Clearance with Level Arm	1785	5' 10"	1785	5' 10"
9 Clearance at Full Lift	3720	12' 2"	3720	12' 2"
10 Overall Height	3942	12' 11"	3942	12' 11"
11 Carriage Width	2217	7' 3"	2217	7' 3"
12 Minimum Fork Spacing	470	1' 7"	470	1' 7"
13 Maximum Fork Spacing	2070	6' 9"	2070	6' 9"
Tine Width	150	6"	150	6"
Tine Thickness	65	2.5"	65	2.5"
	kg	lb	kg	lb
Load Capacity (per pair)	6300	13,892	5246	11,567
Tipping Load – Straight*	9461	20,862	9002	19,849
Tipping Load – Full Turn*	8201	18,083	7796	17,190
Operating Weight	18 903	41,681	18 950	41,785
Rated Load % of Full Turn Tip:				
50% of Tip**	4100	9,041	3898	8,595
60% of Tip (rough terrain)	4920	10,849	4677	10,313
80% of Tip (firm and level)	6560	14,465	6237	13,753

^{*}ISO 14397-1:2007

^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Operating Specifications – 96" Construction Fork



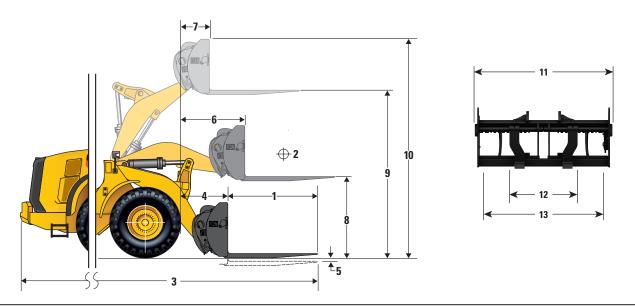


			Construc	tion Fork	– Fusion						
		48" 7	Tines	60" 7	ines	72" 1	Tines	84" 7	Tines	96" 7	Tines
		mm	ft' in"	mm	ft' in"	mm	ft' in"	mm	ft' in"	mm	ft' in"
1	Fork Tine Length	1220	4' 0"	1524	5' 0"	1830	6' 0"	2134	7' 0"	2438	7' 11"
2	Load Center	610	2' 0"	762	2' 6"	915	3' 0"	1067	3' 6"	1220	4' 0"
3	Overall Length	8515	27' 11"	8820	28' 11"	9125	29' 11"	9430	30' 11"	9734	31' 11"
4	Reach at Ground	1197	3' 11"	1198	3' 11"	1198	3' 11"	1198	3' 11"	1198	3' 11"
5	Dig Depth	24	0.9"	24	0.9"	24	0.9"	24	0.9"	24	0.9"
6	Reach with Level Arm	1738	5' 8"	1738	5' 8"	1738	5' 8"	1738	5' 8"	1738	5' 8"
7	Reach at Full Lift	1023	3' 4"	1023	3' 4"	1023	3' 4"	1023	3' 4"	1023	3' 4"
8	Clearance with Level Arm	1890	6' 2"	1890	6' 2"	1890	6' 2"	1890	6' 2"	1890	6' 2"
9	Clearance at Full Lift	3825	12' 7"	3825	12' 7"	3825	12' 7"	3825	12' 7"	3825	12' 7"
10	Overall Height	4866	16' 0"	4866	16' 0"	4866	16' 0"	4866	16' 0"	4866	16' 0"
11	Carriage Width	2528	8' 4"	2528	8' 4"	2528	8' 4"	2528	8' 4"	2528	8' 4"
12	Minimum Fork Spacing	576	1' 11"	576	1' 11"	576	1' 11"	576	1' 11"	576	1' 11"
13	Maximum Fork Spacing	2178	7' 2"	2178	7' 2"	2178	7' 2"	2178	7' 2"	2178	7' 2"
	Tine Width	180	7"	180	7"	180	7"	180	7"	180	7"
	Tine Thickness	90	3.5"	90	3.5"	90	3.5"	90	3.5"	90	3.5"
		kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
	Load Capacity (per pair)	22 200	48,951	17 800	39,249	14 800	32,634	12 700	28,004	11 300	24,917
	Tipping Load – Straight*	9700	21,389	9192	20,268	8726	19,241	8293	18,286	7892	17,402
	Tipping Load – Full Turn*	8376	18,469	7927	17,479	7517	16,575	7134	15,730	6779	14,948
	Operating Weight	19 212	42,362	19 278	42,508	19 339	42,642	19 402	42,781	19 464	42,918
	Rated Load % of Full Turn Tip:										
	50% of Tip**	4188	9,235	3964	8,741	3758	8,286	3567	7,865	3390	7,475
	60% of Tip (rough terrain)	5025	11,080	4756	10,487	4510	9,945	4280	9,437	4067	8,968
	80% of Tip (firm and level)	6700	14,774	6342	13,984	6014	13,261	5707	12,584	5423	11,958

^{*}ISO 14397-1:2007

^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Operating Specifications – 108" Construction Fork

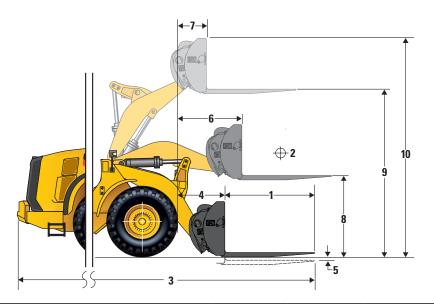


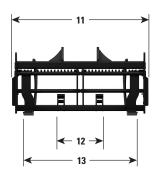
		Construc	tion Fork	- Fusion						
	48" 1	Tines	60" 1	Tines	72" 1	Tines	84" 7	Tines	96" 1	Tines
	mm	ft' in"	mm	ft' in"	mm	ft' in"	mm	ft' in"	mm	ft' in"
1 Fork Tine Length	1220	4' 0"	1524	5' 0"	1830	6' 0"	2134	7' 0"	2438	7' 11"
2 Load Center	610	2' 0"	762	2' 6"	915	3' 0"	1067	3' 6"	1220	4' 0"
3 Overall Length	8515	27' 11"	8820	28' 11"	9125	29' 11"	9430	30' 11"	9734	31' 11"
4 Reach at Ground	1197	3' 11"	1197	3' 11"	1197	3' 11"	1197	3' 11"	1197	3' 11"
5 Dig Depth	24	0.9"	24	0.9"	24	0.9"	24	0.9"	24	0.9"
6 Reach with Level Arm	1738	5' 8"	1738	5' 8"	1738	5' 8"	1738	5' 8"	1738	5' 8"
7 Reach at Full Lift	1023	3' 4"	1023	3' 4"	1023	3' 4"	1023	3' 4"	1023	3' 4"
8 Clearance with Level Arm	1890	6' 2"	1890	6' 2"	1890	6' 2"	1890	6' 2"	1890	6' 2"
9 Clearance at Full Lift	3825	12' 7"	3825	12' 7"	3825	12' 7"	3825	12' 7"	3825	12' 7"
10 Overall Height	4866	16' 0"	4866	16' 0"	4866	16' 0"	4866	16' 0"	4866	16' 0"
11 Carriage Width	2833	9' 4"	2833	9' 4"	2833	9' 4"	2833	9' 4"	2833	9' 4"
12 Minimum Fork Spacing	590	1' 11"	590	1' 11"	590	1' 11"	590	1' 11"	590	1' 11"
13 Maximum Fork Spacing	2493	8' 2"	2493	8' 2"	2493	8' 2"	2493	8' 2"	2493	8' 2"
Tine Width	180	7"	180	7"	180	7"	180	7"	180	7"
Tine Thickness	90	3.5"	90	3.5"	90	3.5"	90	3.5"	90	3.5"
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
Load Capacity (per pair)	22 200	48,951	17 800	39,249	14 800	32,634	12 700	28,004	11 300	24,917
Tipping Load – Straight*	9659	21,298	9154	20,185	8689	19,159	8259	18,211	7858	17,327
Tipping Load – Full Turn*	8335	18,379	7889	17,395	7479	16,491	7098	15,651	6744	14,871
Operating Weight	19 265	42,479	19 327	42,616	19 389	42,753	19 451	42,889	19 514	43,028
Rated Load % of Full Turn Tip:										
50% of Tip**	4168	9,190	3944	8,697	3739	8,244	3549	7,826	3372	7,435
60% of Tip (rough terrain)	5001	11,027	4733	10,436	4487	9,894	4259	9,391	4047	8,924
80% of Tip (firm and level)	6668	14,703	6311	13,916	5983	13,193	5679	12,522	5371	11,843

^{*}ISO 14397-1:2007

^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Operating Specifications – 87" Carriage Pallet Fork





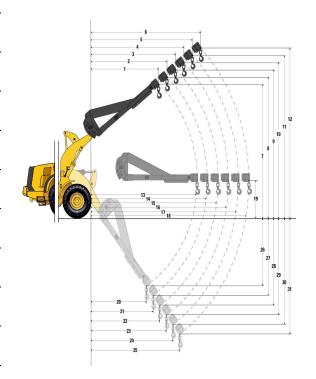
	Palle	t Fork - Fusion				
	48"	Tines	60" 7	Tines	72" 1	Tines
	mm	ft' in"	mm	ft' in"	mm	ft' in"
1 Fork Tine Length	1220	4' 0"	1524	5' 0"	1830	6' 0"
2 Load Center	610	2' 0"	762	2' 6"	915	3' 0"
3 Overall Length	8438	27' 8"	8743	28' 8"	9047	29' 8"
4 Reach at Ground	1120	3' 8"	1120	3' 8"	1120	3' 8"
5 Dig Depth	-64	-2.5"	-64	-2.5"	-64	-2.5"
6 Reach with Level Arm	1634	5' 4"	1634	5' 4"	1634	5' 4"
7 Reach at Full Lift	919	3' 0"	919	3' 0"	919	3' 0"
8 Clearance with Level Arm	1802	5' 11"	1802	5' 11"	1802	5' 11"
9 Clearance at Full Lift	3737	12' 3"	3737	12' 3"	3737	12' 3"
10 Overall Height	4805	15' 9"	4805	15' 9"	4805	15' 9"
11 Carriage Width	2235	7' 4"	2235	7' 4"	2235	7' 4"
12 Minimum Fork Spacing	385	1' 3"	385	1' 3"	385	1' 3"
13 Maximum Fork Spacing	1947	6' 5"	1947	6' 5"	1947	6' 5"
Tine Width	150	6"	150	6"	150	6"
Tine Thickness	65	2.5"	65	2.5"	65	2.5"
	kg	lb	kg	lb	kg	lb
Load Capacity (per pair)	8800	19,404	6590	14,531	5850	12,899
Tipping Load – Straight*	10 415	22,965	9888	21,803	9405	20,738
Tipping Load – Full Turn*	9046	19,946	8583	18,926	8160	17,993
Operating Weight	18 751	41,346	18 789	41,430	18 826	41,511
Rated Load % of Full Turn Tip:						
50% of Tip**	4523	9,973	4292	9,464	4080	8,996
60% of Tip (rough terrain)	5428	11,969	5150	11,356	4896	10,796
80% of Tip (firm and level)	7237	15,958	6867	15,142	6528	14,394

^{*}ISO 14397-1:2007

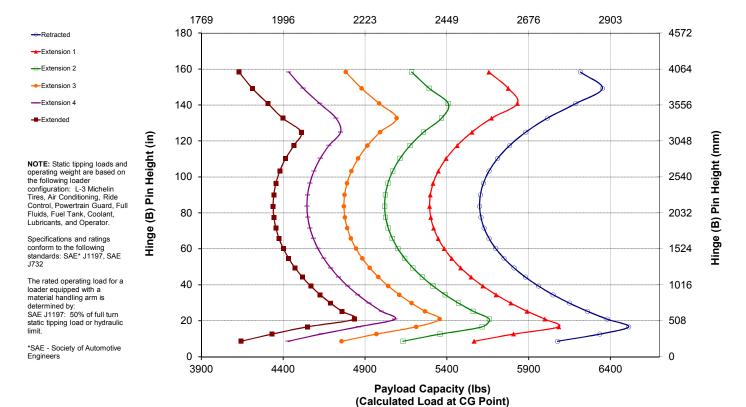
^{**}SAE J1197 $-\,50\%$ of full turn static tipping load or hydraulic limit.

Material Handling Arm – Standard Fusion

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
March 14 - Hardy Provide (4, 0, 0, 4, 5, 0)	mm	2,280	2,417	2,555	2,693	2,830	2,968
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 5"	7' 11"	8' 4"	8' 10"	9' 3"	9' 8"
	mm	6,855	7,127	7,399	7,671	7,943	8,215
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 0"	26' 11"
Level Heek Deech (42, 44, 45, 46, 47, 40)	mm	4,594	4,899	5,204	5,509	5,813	6,118
Level - Hook Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 0"	16' 0"	17' 0"	18' 0"	19' 0"	20' 0"
Level HealtHeight (40)	mm	1,854	1,854	1,854	1,854	1,854	1,854
Level - Hook Height (19)	ft, in	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"
N. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	mm	2,405	2,585	2,765	2,946	3,126	3,306
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	ft, in	7' 10"	8' 5"	9' 0"	9' 7"	10' 3"	10' 10"
Min Life Linck Linck 26, 27, 20, 20, 20, 24)	mm	(2,573)	(2,818)	(3,064)	(3,310)	(3,556)	(3,801)
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 6"	-9' 9"	-10' 11"	-10' 1"	-11' 4"	-12' 6"
Otalia Timina Land Otaniaki	kg	5,870	5,550	5,262	5,002	4,765	4,549
Static Tipping Load, Straight	lb	12,937	12,231	11,597	11,024	10,502	10,026
0.5.7	kg	5,098	4,819	4,568	4,341	4,135	3,947
Static Tipping Load, Articulated	lb	11,235	10,621	10,068	9,568	9,114	8,699
0 " " "	kg	18,566	18,566	18,566	18,566	18,566	18,566
Operating Weight	lb	40,919	40,919	40,919	40,919	40,919	40,919

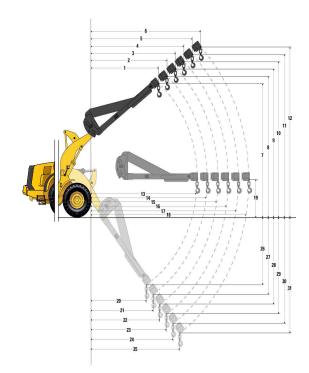


Payload Capacity (kg) (Calculated Load at CG Point)

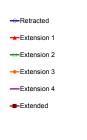


Material Handling Arm – Auxiliary Fusion

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
Mary Life Heat Basels (4.0.0.4.5.0)	mm	2,280	2,417	2,555	2,693	2,830	2,968
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 5"	7' 11"	8' 4"	8' 10"	9' 3"	9' 8"
May 1 if 1 lask 1 laight /7 0 0 40 44 42)	mm	6,855	7,127	7,399	7,671	7,943	8,215
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	ft, in	22' 5"	23' 4"	24' 3"	25' 2"	26' 0"	26' 11"
Level Heek Deceb (42, 44, 45, 46, 47, 40)	mm	4,594	4,899	5,204	5,509	5,813	6,118
Level - Hook Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 0"	16' 0"	17' 0"	18' 0"	19' 0"	20' 0"
Level - Hook Height (19)	mm	1,854	1,854	1,854	1,854	1,854	1,854
Level - Hook Height (19)	ft, in	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	2,405	2,585	2,765	2,946	3,126	3,306
	ft, in	7' 10"	8' 5"	9' 0"	9' 7"	10' 3"	10' 10"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,573)	(2,818)	(3,064)	(3,310)	(3,556)	(3,801)
	ft, in	-8' 6"	-9' 9"	-10' 11"	-10' 1"	-11' 4"	-12' 6"
Chatia Timping Lond Chraight	kg	6,347	6,002	5,692	5,411	5,156	4,923
Static Tipping Load, Straight	lb	13,990	13,229	12,544	11,926	11,363	10,850
Static Tipping Load, Articulated	kg	5,496	5,196	4,926	4,682	4,461	4,258
	lb	12,113	11,452	10,857	10,320	9,831	9,385
Operation Weight	kg	19,066	19,066	19,066	19,066	19,066	19,066
Operating Weight	lb	42,021	42,021	42,021	42,021	42,021	42,021



Payload Capacity (kg) (Calculated Load at CG Point)

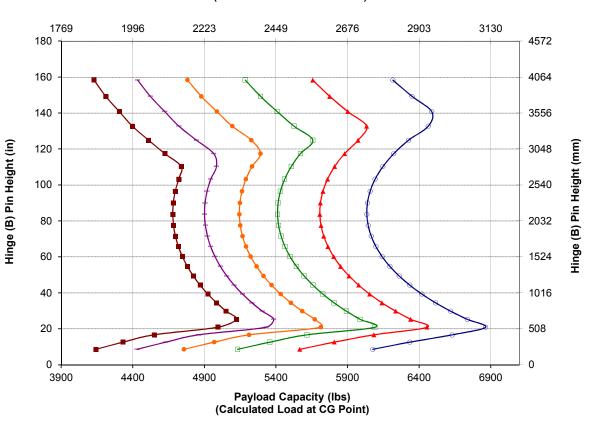


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L-3 Michelin Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

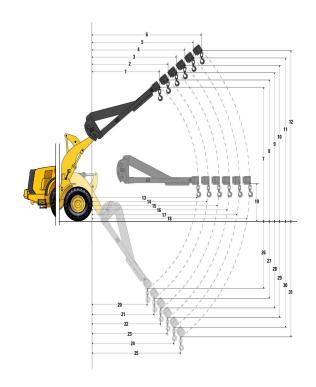
The rated operating load for a loader equipped with a material handling arm is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive



Material Handling Arm – High Lift Fusion

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
	mm	2,433	2,582	2,731	2,880	3,029	3,178
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 11"	8' 5"	8' 11"	9' 5"	9' 11"	10' 5"
May 1:6 Heat Height /7 0 0 40 44 42)	mm	7,287	7,553	7,818	8,084	8,350	8,616
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	ft, in	23' 10"	24' 9"	25' 7"	26' 6"	27' 4"	28' 3"
Level - Hook Reach (13, 14, 15, 16, 17, 18)	mm	4,969	5,274	5,579	5,884	6,188	6,493
Level - HOOK Reach (13, 14, 15, 16, 17, 16)	ft, in	16' 3"	17' 3"	18' 3"	19' 3"	20' 3"	21' 3"
Level Healt Height (40)	mm	1,854	1,854	1,854	1,854	1,854	1,854
Level - Hook Height (19)	ft, in	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	mm	2,801	2,975	3,150	3,325	3,499	3,674
	ft, in	9' 2"	9' 9"	10' 4"	10' 10"	11' 5"	12' 0"
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	mm	(2,618)	(2,867)	(3,117)	(3,367)	(3,617)	(3,867)
	ft, in	-8' 4"	-9' 7"	-10' 9"	-11' 11"	-11' 1"	-12' 3"
0.5.7	kg	5,780	5,484	5,216	4,973	4,750	4,546
Static Tipping Load, Straight	lb	12,740	12,087	11,497	10,960	10,469	10,019
Static Tipping Load, Articulated	kg	4,984	4,728	4,496	4,285	4,092	3,915
	lb	10,984	10,420	9,909	9,444	9,019	8,629
	kg	19,168	19,168	19,168	19,168	19,168	19,168
Operating Weight	lb	42,247	42,247	42,247	42,247	42,247	42,247



Payload Capacity (kg) (Calculated Load at CG Point)



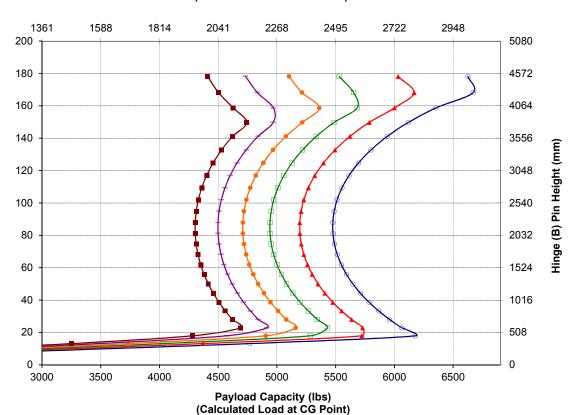
Lubricants, and Operator,

Hinge (B) Pin Height (in)

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

The rated operating load for a Ine rated operating load for a loader equipped with a material handling arm is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive Engineers



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
POWER TRAIN		
Axles, ecology drains	✓	
Axles, manually actuated differential lock front axle, open differential rear axle	✓	
Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards		√
Brake wear indicators	✓	
Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)	✓	
Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models)	✓	
Economy mode (selectable)	✓	
Engine, Cat C7.1 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓	
Fan, VPF (variable pitch fan), automatic and manual control		✓
Fuel priming pump (electric)	✓	
Fuel/water separator	✓	
Parking brake, disc and caliper	✓	
Precleaner, engine air intake	✓	
Radiator, high debris, wide fin spacing		✓
Switch, transmission neutralizer lockout	✓	
Torque converter, locking clutch with free wheel stator	✓	
Transmission, automatic countershaft power shift (5F/3R)	✓	
CAT TECHNOLOGY		
Detect technologies: Rear vision camera Cat rear object detection	✓	√
Link technologies: Product Link VIMS TM	✓	√
Payload technologies: Cat Production Measurement 2.0 (Cat PM), Printer, Cat Production Measurement, Aggregate Autodig		√
Machine security system		✓

	Standard	Option
PERATOR ENVIRONMENT		
Air conditioner, heater, and defroster	✓	
(auto temp and fan)		
Beverage holders (2) with storage	✓	
compartment for cell phone/MP3 player		
Bucket/work tool function lockout	✓	
Cab access ladders and handrails	✓	
Cab air filter	✓	
Cab, pressurized and sound suppressed (ROPS/FOPS)	✓	
Cab tie-off	✓	
Coat hook (2)	✓	
Cover, HVAC metallic		✓
Door, remote opening system		✓
EH controls, SAL (single axis lever) lift and tilt function	✓	
EH controls, joystick lift and tilt – additional integrated roller switches for 3 rd and 4 th functions		✓
EH controls, SAL 3 rd function – additional roller switch for 4 th function		✓
EH parking brake	✓	
Filter, carbon fresh air		✓
Full time rear vision display Work Area Vision System (WAVS)		✓
Horn, electric	✓	
Light, two dome (cab)	✓	
Mirrors, heated rearview external with integrated spot mirrors		✓
Mirrors, rearview external with integrated spot mirrors	✓	
Multi-function 18 cm (7 in) color LCD	✓	
touchscreen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters		
Post mounted membrane 16 switch keypad	✓	
Precleaner, HVAC		✓
Precleaner, HVAC (RESPA)		✓
Radio, AM/FM/USB/MP3 Bluetooth		✓
Radio, AM/FM/CD/USB/MP3 Bluetooth		✓
Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM		✓
Radio, CB ready		✓
Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)	✓	
Receptacles (2), 12V	✓	

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
OPERATOR ENVIRONMENT (continued)		
Roof, metallic		✓
Seat, Cat Comfort (cloth) air suspension	✓	
Seat belt, 51 mm (2 in) retractable, with indicator	✓	
Seat belt, 76 mm (3 in) retractable, with indicator		✓
Seat, heated air suspension		✓
Steering, EH joystick, speed sensing with force feedback		✓
Steering, secondary		✓
Steering, steering wheel	✓	
Sun visor, front	✓	
Sun visor, rear		✓
Viscous mounts	✓	
Wet-arm wipers/washers front and rear, intermittent front wiper	✓	
Windows, rubber mounted		✓
Window, sliding (left and right sides)	✓	
Windows, with front guard		✓
Windows, with full guards front, rear and sides		✓
ELECTRICAL AND LIGHTING		
Alarm, back-up	✓	
Alternator, 145-amp brushed	✓	
Auxiliary halogen cab-mounted work lights (four additional) or		✓
Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with two LED work lights in the radiator grill and LED front turn signals. Also includes replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light)		√
Batteries (2), maintenance free 1,400 CCA	✓	
External seat belt indicator light		✓
Ignition key; start/stop switch	✓	
Lighting system: four halogen work lights (cab mounted), two LED stop, turn, tail lights, two halogen roading lights (with signals), two halogen rear vision lights (hood mounted)	✓	

	Standard	Optional
ELECTRICAL AND LIGHTING (continued)		
Main disconnect switch	✓	
Receptacle start (cables not included)	✓	
Reversing strobes		✓
Starter, electric, heavy duty	√	
Starting and charging system (24V)	✓	
Warning amber strobe beacon		✓
FLUIDS		
Premixed extended life coolant with freeze protection to -34°C (-29°F)	√	
Premixed extended life coolant with freeze protection to -50°C (-58°F)		✓
HYDRAULICS		
Couplings, Cat O-ring face seal	✓	
Hoses, Cat XT TM	✓	
Hydraulic oil cooler (swing out)	✓	
Hydraulic system, load sensing	✓	
Oil sampling valves	✓	
3 rd function with Ride Control – standard linkage, high lift linkage, forestry linkage		✓
4 th function with Ride Control – standard linkage, high lift linkage, forestry linkage		✓
Remote diagnostic pressure taps	✓	
Ride control, 2V	✓	
Steering, load sensing	✓	
LINKAGE		
Autolube		✓
Forestry		✓
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 – 120V		✓
Cold start – 240V		✓
WORK TOOLS		
Forks, logging		✓
Forks, pallet		✓
Fusion quick coupler		✓
Material handling arms		✓
Performance Series buckets		✓
Snow products		✓
VCE quick coupler		✓

(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 EQUIPME	NT	
With following gauges:	✓		Auto idle shutdown	✓	
Speedometer/tachometer			Cat Autolube System		✓
Digital gear range indicator Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models) Temperature: engine coolant, hydraulic			Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready		✓
oil, transmission oil Fuel level			Ecology drains for engine, transmission, and hydraulics	✓	
With following warning indicators: Regeneration	✓		Fenders, front with mud-flap/rear with extension	✓	
Temperature: axle oil, engine intake			Fenders, roading		\checkmark
manifold Pressure: engine oil, fuel pressure hi/low, primary steering oil, service			Filters: fuel, engine air, engine oil, hydraulic oil, transmission	✓	
brake oil			Fuel cooler	✓	
Battery voltage hi/low			Grease zerks	✓	
Engine air filter restriction			Grill, airborne debris	✓	
Hydraulic oil filter restriction Hydraulic oil low			Guard, power train		✓
Parking brake			Hitch, drawbar with pin	✓	
DEF low level (Tier 4 Final/			Hood, non-metallic power tilting	✓	
Stage V models)			Platform, window washing		✓
Transmission filter bypass			Precleaner, turbine		✓
			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		✓
			Corrosion resistance		✓

Forestry

Steel mill (Tier 3 equivalent only)



950M

Industrial & Waste

In the harsh scrap, waste, and recycling environment, your operation requires a wheel loader to process material as efficiently and safely as possible with minimal downtime.

Durability

- Robotically welded frame design provides rigid structures that absorb torsional loads.
- M Series articulating hitch design provides increased bearing force capacity.
- Heavy-duty transmissions and axles are designed to handle extreme conditions inherent with scrap handling applications.

Achieve Greater Productivity

- Lock-up clutch transmission matches the engine power to increase fuel efficiency while delivering optimal performance.
- Easy-to-load Performance Series buckets improve material retention and reduce dig times, significantly improving productivity and fuel efficiency.
- Optional Cat Fusion quick coupler and 3rd/4th valve hydraulic functions allow for greater work tool and jobsite versatility.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Standard and optional traction aids increase traction, diminish tire wear, and further reduce operating costs.
- Optional high lift linkage offers increased hinge pin height for improved stacking capability as well as easier load out of high side trucks and containers.
- Cat payload technologies provide accurate weighing* of the materials you are loading and hauling. Payload data is displayed in real-time to improve productivity and reduce overloading.

*Optional configurations and equipment may vary from region to region and require conformance to Caterpillar payload policy. Consult your dealer or Caterpillar representative for details. Not legal for trade.

Safety Features

- Cab access with wide door and stair-like steps adds solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear vision camera provide industry-leading all-around visibility.
- Rear vision camera enhances visibility behind the machine, helping you work safely and confidently.

Easy, Comfortable Operator Environment

- Sound-suppression, seals, and viscous cab mounts decrease noise and vibration for a guieter work environment.
- The seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy.
- Ergonomic controls are easy to use, intuitive, and user-friendly.
- Touchscreen multi-function color display keeps operators focused.
- Inclined steps and convenient grab handles ease accessibility to the operating space.

Reduced Maintenance Time and Costs

- · One-piece tilting hood makes engine access fast and easy.
- Electrical service centers enhance convenience and accessibility.
- Easy access to fuel fill and daily maintenance points means less servicing time is required.
- Extended service intervals, including:
 - Engine oil and engine oil filter change interval up to 1,000 hours (U.S. EPA Tier 4 Final or EU Stage V)
 - Hydraulic filter change interval up to 1,000 hours
- Transmission oil change interval up to 2,000 hours
- Remote flash support.
- Longer tire life with on-the-go traction aids.
- Optional integrated Cat autolube system provides full lube system monitoring and diagnostic test visibility.
- Integrated window cleaning platform with tie-off point allows easy and safe access to the front of the machine.

Engine – (Tier 3/Stage IIIA e	quivalent)¹	
Engine Model	Cat C7.1	
Maximum Power (2,000 rpm)		
SAE J1995	196 kW	263 hp
ISO 14396	195 kW	261 hp
ISO 14396 (metric)		265 hp
Maximum Net Power (2,000 rpm)		
SAE J1349	185 kW	248 hp
ISO 9249	185 kW	248 hp
ISO 9249 (metric)		252 hp
Peak Gross Torque (1,400 rpm)		
SAE J1995	1053 N·m	777 lbf-ft
Maximum Net Torque (1,400 rpm)		
SAE J1349	984 N·m	726 lbf-ft
Bore	105 mm	4.13 in
Stroke	135 mm	5.31 in
Displacement	7.01 L	428 in ³

- 1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- 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.

Engine – (Tier 4 Final/Stage V) ²				
Engine Model	Cat C7.1			
Maximum Power (2,100 rpm)				
SAE J1995	187 kW	250 hp		
ISO 14396	186 kW	249 hp		
ISO 14396 (metric)		253 hp		
Maximum Net Power (2,100 rpm)				
SAE J1349	171 kW	230 hp		
ISO 9249	171 kW	230 hp		
ISO 9249 (metric)		232 hp		
Peak Gross Torque (1,300 rpm)				
SAE J1995	1235 N·m	911 lbf-ft		
Maximum Net Torque (1,300 rpm)				
SAE J1349	1163 N·m	858 lbf-ft		
Bore	105 mm	4.13 in		
Stroke	135 mm	5.31 in		
Displacement	7.01 L	428 in ³		

- 2 Meets either U.S. EPA Tier 4 Final or EU Stage V, Japan 2014, and Korea Tier 4 Final emission standards depending on region.
- 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.

Transmission		
Forward 1	6.9 km/h	4.3 mph
Forward 2	12.0 km/h	7.5 mph
Forward 3	19.3 km/h	12.0 mph
Forward 4	25.7 km/h	16.0 mph
Forward 5	39.5 km/h	24.5 mph
Reverse 1	6.9 km/h	4.3 mph
Reverse 2	12.0 km/h	7.5 mph
Reverse 3	25.7 km/h	16.0 mph

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Hydraulic System		
Implement Pump Type	Variable axial	piston
Implement System		
Maximum Pump Output (2,150 rpm)	286 L/min	76 gal/min
Maximum Operating Pressure	29 300 kPa	4,250 psi
Optional 3 rd /4 th Function Maximum Flow	240 L/min	63 gal/min
Optional 3 rd /4 th Function Maximum Pressure	21 780 kPa	3,159 psi
Hydraulic Cycle Time with Rated Payload		
Raise from Carry Position	5.1	Sec.
Dump, at Maximum Raise	1.5	Sec.
Lower, Empty, Float Down	2.3	Sec.
Total	8.9	Sec.

Brakes	
Brakes	Brakes meet ISO 3450:2011 standards

Axles	
Front	Fixed
Rear	Oscillating ±13 degrees
Maximum Single-Wheel Rise and Fall	496 mm 1 6 ft

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

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)	
Tier 3/Stage IIIA Equivalent	72 dB(A)*
Tier 4 Final/Stage V	70 dB(A)*
Exterior Sound Power Level (ISO 6395:2008)	107 dB(A)*
Exterior Sound Pressure Level (SAE J88:2013)	75 dB(A)**

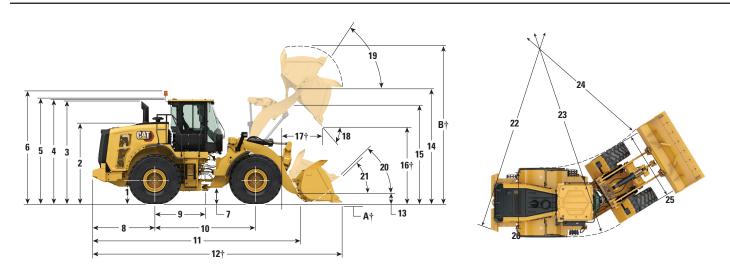
- *For a typical machine configuration, measured according to the procedures specified with the cooling fan speed set at maximum value.
- **For a typical machine configuration, measured according to the procedures specified. The measurement was conducted under the following conditions: distance of 15 m (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

Service Refill Capacities		
Fuel Tank	275 L	72.6 gal
DEF Tank*	16 L	4.2 gal
Cooling System	59 L	15.6 gal
Crankcase	22 L	5.8 gal
Transmission	43 L	11.4 gal
Differentials and Final Drives – Front	43 L	11.4 gal
Differentials and Final Drives – Rear	43 L	11.4 gal
Hydraulic Tank	125 L	33.0 gal

*Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/ Stage V models.

Waste Handler Dimensions

All dimensions are approximate.



	Standa	Standard Lift		Lift
Height to Axle Centerline	798 mm	2'7"	798 mm	2'7"
Height to Top of Hood	2748 mm	9'0"	2748 mm	9'0"
Height to Top of Exhaust Pipe	3464 mm	11'4"	3464 mm	11'4"
Height to Top of ROPS	3502 mm	11'6"	3502 mm	11'6"
Height to Top of Product Link Antenna	3704 mm	12'2"	3704 mm	12'2"
Height to Top of Warning Beacon	3798 mm	12'6"	3798 mm	12'6"
Ground Clearance	418 mm	1'4"	418 mm	1'4"
Center Line of Rear Axle to Edge of Counterweight	1942 mm	6'4"	2071 mm	6'10"
Center Line of Rear Axle to Hitch	1675 mm	5'6"	1675 mm	5'6"
Wheelbase	3350 mm	11'0"	3350 mm	11'0"
Overall Length (without bucket)	7099 mm	23'4"	7559 mm	24'10"
Shipping Length (with bucket level on ground)*†	8824 mm	29'0"	9284 mm	30'6"
Hinge Pin Height at Carry Height	698 mm	2'3"	833 mm	2'9"
Hinge Pin Height at Maximum Lift	4078 mm	13'5"	4578 mm	15'0"
Lift Arm Clearance at Maximum Lift	3331 mm	10'11"	3685 mm	12'1"
Dump Clearance at Maximum Lift and 45° Discharge*†	2518 mm	8'3"	3024 mm	9'11"
Reach at Maximum Lift and 45° Discharge*†	1685 mm	5'6"	1720 mm	5'7"
Dump Angle at Maximum Lift and Dump (on stops)*	47 deg	grees	44 degrees	
Rack Back at Maximum Lift*	59 deg	grees	59 deg	rees
Rack Back at Carry Height*	49 deg	grees	49 deg	rees
Rack Back at Ground*	36 deg	grees	40 deg	rees
Turning Radius to Counterweight	6186 mm	20'4"	6186 mm	20'4"
Turning Radius to Outside of Tires	6005 mm	19'8"	6005 mm	19'8"
Turning Radius to Inside of Tires	3229 mm	10'7"	3245 mm	10'8"
Width over Tires – Maximum (unloaded)	2753 mm	9'1"	2753 mm	9'1"
Width over Tires – Maximum (loaded)	2760 mm	9'1"	2760 mm	9'1"
Tread Width	2140 mm	7'0"	2140 mm	7'0"
	Height to Top of Hood Height to Top of Exhaust Pipe Height to Top of ROPS Height to Top of Product Link Antenna Height to Top of Warning Beacon Ground Clearance Center Line of Rear Axle to Edge of Counterweight Center Line of Rear Axle to Hitch Wheelbase Overall Length (without bucket) Shipping Length (with bucket level on ground)*† Hinge Pin Height at Carry Height Hinge Pin Height at Maximum Lift Lift Arm Clearance at Maximum Lift Dump Clearance at Maximum Lift and 45° Discharge*† Reach at Maximum Lift and Dump (on stops)* Rack Back at Carry Height* Rack Back at Carry Height* Turning Radius to Counterweight Turning Radius to Outside of Tires Turning Radius to Inside of Tires Width over Tires – Maximum (loaded) Tread Width	Height to Top of Hood 2748 mm Height to Top of Exhaust Pipe 3464 mm Height to Top of ROPS 3502 mm Height to Top of Product Link Antenna 3704 mm Height to Top of Warning Beacon 3798 mm Ground Clearance 418 mm Center Line of Rear Axle to Edge of Counterweight 1942 mm Center Line of Rear Axle to Hitch 1675 mm Wheelbase 3350 mm Overall Length (without bucket) 7099 mm Shipping Length (with bucket level on ground)*† 8824 mm Hinge Pin Height at Carry Height 698 mm Lift Arm Clearance at Maximum Lift 4078 mm Lift Arm Clearance at Maximum Lift 3331 mm Dump Clearance at Maximum Lift and 45° Discharge*† 2518 mm Reach at Maximum Lift and 45° Discharge*† 1685 mm Dump Angle at Maximum Lift and Dump (on stops)* Rack Back at Carry Height* 49 deg Rack Back at Ground* 3605 mm Turning Radius to Counterweight 6186 mm Turning Radius to Counterweight 6186 mm Turning Radius to Inside of Tires 3229 mm Width over Tires – Maximum (loaded) 2750 mm Width over Tires – Maximum (loaded) 2750 mm	Height to Axle Centerline 798 mm 27" Height to Top of Hood 2748 mm 90" Height to Top of Exhaust Pipe 3464 mm 11'4" Height to Top of ROPS 3502 mm 11'6" Height to Top of Product Link Antenna 3704 mm 12'2" Height to Top of Warning Beacon 3798 mm 12'6" Ground Clearance 418 mm 1'4" Center Line of Rear Axle to Edge of Counterweight 1942 mm 64" Center Line of Rear Axle to Hitch 1675 mm 5'6" Wheelbase 3350 mm 11'0" Overall Length (without bucket) 7099 mm 23'4" Shipping Length (with bucket level on ground)*† 8824 mm 290" Hinge Pin Height at Carry Height 698 mm 2'3" Hinge Pin Height at Maximum Lift 4078 mm 13'5" Lift Arm Clearance at Maximum Lift and 45° Discharge*† 2518 mm 8'3" Reach at Maximum Lift and Dump (on stops)* 47 degrees Rack Back at Maximum Lift and Dump (on stops)* 47 degrees Rack Back at Ground* 36 degrees	Height to Axle Centerline 798 mm 2'7" 798 mm Height to Top of Hood 2748 mm 90" 2748 mm 90" 2748 mm Height to Top of Hood 3464 mm 114" 3464 mm Height to Top of Exhaust Pipe 3464 mm 114" 3464 mm Height to Top of ROPS 3502 mm 116" 3502 mm Height to Top of Product Link Antenna 3704 mm 12'2" 3704 mm Height to Top of Warning Beacon 3798 mm 12'6" 3798 mm 11'0" 3350 mm 1

^{*}With 6.1 m³ (8.0 yd³) pin-on waste bucket with steel bolt-on cutting edges (see Operating Specifications for other Buckets) and rear guard counterweight. †Dimensions are listed in Operating Specification charts.

All height and tire related dimensions are with Brawler 23.5-25 HPS Solidflex Smooth tires (see Tire Option charts for other tires). "Width over Tires" dimensions are over the bulge and include growth.

Tire Options for Scrap and Waste						
Tire Brand	Brawler HPS	Brawler HPS	Michelin	Bridgestone	Yokohama	Titan
Tire Size	23.5-25	23.5-25	23.5R25	23.5R25	23.5R25	23.5R25
Tread Type	_	_	L-3	L-3	L-3	L-3
	Solidflex	Solidflex				
Tread Pattern	Smooth	Traction	XHA2	VJT	RB31	MXL
Width over Tires – Maximum (empty)*	2753 mm	2753 mm	2814 mm	2798 mm	2581 mm	2812 mm
	9'0"	9'0"	9'3"	9'2"	8'6"	9'3"
Width over Tires – Maximum (loaded)*	2760 mm	2760 mm	2822 mm	2831 mm	2634 mm	2833 mm
	9'1"	9'1"	9'3"	9'3"	8'8"	9'4"
Change in Vertical Dimensions	0 mm	0 mm	-50 mm	-56 mm	-54 mm	-35 mm
(average of front and rear)	0"	0"	-2"	-2"	-2"	-1"
Change in Horizontal Reach	0 mm	0 mm	9 mm	15 mm	15 mm	5 mm
	0"	0"	0"	1"	1"	0"
Change in Clearance Circle (radius) to Outside of Tires	0 mm	0 mm	62.4 mm	71.2 mm	-125.5 mm	73.5 mm
	0"	0"	2"	3"	-5"	3"
Change in Clearance Circle (radius) to Inside of Tires	0 mm	0 mm	-62 mm	_71 mm	126 mm	-74 mm
	0"	0"	-2"	-3"	5"	-3"
Change in Operating Weight (without Ballast)	0 kg	-145	-3376 kg	-3208 kg	-3105 kg	-3365 kg
	0 lb	-320 lb	−7,443 lb	−7,072 lb	−6,845 lb	-7,419 lb
Change in Static Tipping Load – Straight	0 kg	–97 kg	-2252 kg	-2140 kg	-2071 kg	-2244 kg
	0 lb	-214 lb	-4,965 lb	-4,718 lb	-4,566 lb	-4,947 lb
Change in Static Tipping Load – Articulated	0 kg	-84 kg	-1963 kg	-1866 kg	-1806 kg	-1957 kg
	0 lb	−185 lb	-4,328 lb	-4,114 lb	-3,982 lb	-4,314 lb

^{*}Width over bulge and includes tire growth.

Operating Specifications – Waste Buckets









Waste Load & Carry Bucket

Waste Dozing Bucket

Waste Tamp & Clamp Bucket

Grapple Bucket

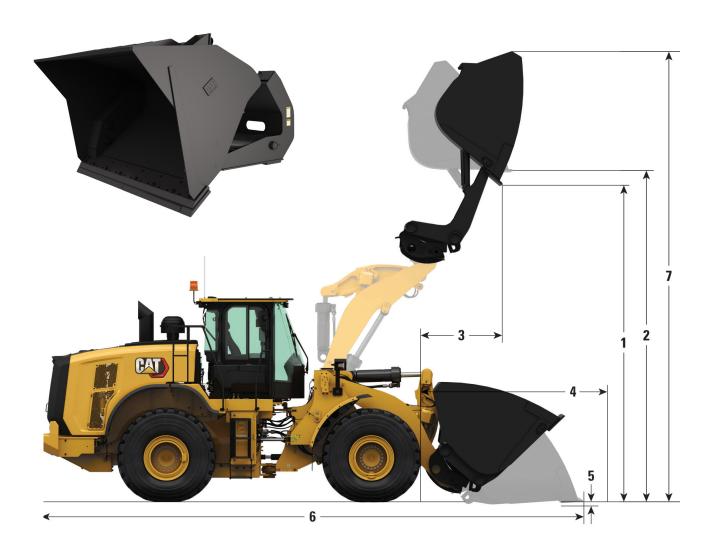
Bucket Type		Pin-On Load & Carry	Pin-On Dozing	Pin-On Tamp & Clamp	Pin-On Grapple	Fusion/ Dozing	Fusion/ Grapple	
Edge Type		Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	Steel Bolt-On Cutting Edges	High Lift Delta*
Capacity – Rated	m ³	6.10	5.20	4.40	4.60	5.20	4.60	_
	yd³	8.00	6.75	5.75	6.00	6.75	6.00	
Capacity - Rated at 110% Fill Factor	m^3	6.70	5.70	4.80	5.10	5.70	5.10	_
	yd^3	8.75	7.50	6.25	6.75	7.50	6.75	
Width	mm	3059	3059	3059	3059	3032	3059	_
	ft/in	10'0"	10'0"	10'0"	10'0"	9'11"	10'0"	_
16† Dump Clearance at Maximum Lift	mm	2518	2854	2301	2572	2784	2563	506
and 45° Discharge	ft/in	8'3"	9'4"	7'6"	8'5"	9'1"	8'4"	1'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1685	1349	1891	1729	1419	1738	36
	ft/in	5'6"	4'5"	6'2"	5'8"	4'7"	5'8"	1"
Reach at Level Lift Arm and Bucket Level	mm	3174	2699	3474	3157	2798	3170	375
	ft/in	10'4"	8'10"	11'4"	10'4"	9'2"	10'4"	1'2"
12† Overall Length	mm	8658	8183	8965	8641	8282	8654	626
	ft/in	28'5"	26'11"	29'5"	28'5"	27'3"	28'5"	2'0"
A† Overall Height with Bucket	mm	5983	6162	5322	6007	6148	6071	506
at Maximum Lift	ft/in	19'8"	20'3"	17'6"	19'9"	20'3"	19'11"	1'7"
Loader Clearance Circle Radius with	mm	6949	6800	7052	6944	6814	6945	211
Bucket at Carry Position	ft/in	22'10"	22'4"	23'2"	22'10"	22'5"	22'10"	8"
Static Tipping Load, Straight (Rigid Tire)	kg	14 099	16 025	12 302	13 575	15 006	13 183	-2319
	1b	31,074	35,320	27,114	29,920	33,073	29,055	-5,111
Static Tipping Load, Articulated	kg	12 218	13 967	10 523	11 728	13 001	11 341	-2077
(Rigid Tire)	1b	26,930	30,783	23,193	25,849	28,654	24,995	-4,577
Breakout Force	kN	131	190	107	123	162	122	-16
	1bf	29,506	42,701	24,075	27,656	36,407	27,426	-1,348
Operating Weight	kg	23 019	22 688	24 086	23 392	23 263	23 866	103
	1b	50,732	50,003	53,084	51,554	51,272	52,601	227

[†]Illustration shown with Dimension charts.

^{*}Maximum values.

Static tipping loads and operating weights shown are based on machine configuration with Brawler HPS Solidflex Smooth tires, full fluids, operator, standard lift linkage, standard Waste Arrangement guarding, front window guard, rear guard counterweight, light guards, auto diff lock axles (front/rear) and two valve hydraulics.

Waste High Dump Bucket



Bucket Key Features

- High Dump bucket increases dump height 2.3 m (7'6") for largest size available on 950M
- Designed for waste transfer and recycling depots
- Wide bucket tilt cylinders enable material to flow easily with minimal carry back
- Four-piece steel cutting edge
- Requires 3rd valve hydraulics

Waste High Dump Bucket			
Package	,	Star	ıdard
Bucket Type		Fus	sion
Edge Type		Steel Bolt-On	Cutting Edges
Capacity – Rated	m^3	4.60	6.10
	yd ³	6.00	8.00
Capacity – Rated at 110% Fill Factor	m^3	5.10	6.70
	yd³	6.75	8.75
Width	mm	2910	2910
	ft/in	9'7"	9'7"
1 Dump Clearance at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge	mm	4677	4622
	ft/in	15'4"	15'1"
2 Clearance at Max Lift, Max Rack, Bucket Rolled out to Level	mm	5000	5000
	ft/in	16'4"	16'4"
3 Reach at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge	mm	1809	1834
	ft/in	5'11"	6'0"
4 Reach at Level Lift Arm and Bucket Level	mm	3235	3393
	ft/in	10'7"	10'9"
5 Digging Depth	mm	104	104
	ft/in	4.1"	4.1"
6 Overall Length	mm	8931	8992
	ft/in	29'4"	29'7"
7 Overall Height with Bucket at Max Height and Max Rack	mm	6596	9879
	ft/in	21'7"	22'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	6926	6946
·	ft/in	22'9"	22'10"
Static Tipping Load, Straight (Rigid Tire)	kg	10 956	11 025
	lb	24,147	24,300
Static Tipping Load, Articulated (Rigid Tire)	kg	9364	9408
	lb	20,638	20,736
Breakout Force	kN	118	114
	lbf	26,709	25,736
Operating Weight*	kg	21 217	21 333
	lb	46,761	47,017

^{*}Static tipping loads and operating weights shown are based on machine configuration with Brawler HPS Solidflex Smooth tires, full fluids, operator, standard lift linkage, standard Waste Arrangement guarding, front window guard, rear guard counterweight, light guards, and auto diff lock axles (front/rear).

Scrap Bucket Chart





Pacl	kage	950M Scrap								
Buc	ket Type			Pin On Gen	eral Purpos	е	1	Fusion Gene	eral Purpose)
Edge	э Туре		Bolt-On Cutting Edges				Bolt-On Cutting Edges			
(Capacity – Rated	m^3 yd^3	3.1 4.00	3.4 4.50	3.6 4.75	3.8 5.00	3.1 4.00	3.4 4.50	3.6 4.75	3.8 5.00
	Capacity – Rated at 10% Fill Factor	m^3 yd^3	3.4 4.50	3.7 4.75	4.0 5.25	4.2 5.50	3.4 4.50	3.7 4.75	4.0 5.25	4.2 5.50
V	Width	mm ft/in	2927 9' 7"	2927 9' 7"	2927 9' 7"	2927 9' 7"	2927 9' 7"	2927 9' 7"	2927 9' 7"	2927 9' 7"
	Dump Clearance at Maximum Lift and 45° Discharge	mm ft/in	2928 9' 7"	2871 9' 5"	2845 9' 4"	2810 9' 2"	2889 9' 5"	2831 9' 3"	2805 9' 2"	2770 9' 1"
	Reach at Maximum Lift and 45° Discharge	mm ft/in	1420 4' 7"	1464 4' 9"	1486 4' 10"	1515 4' 11"	1466 4' 9"	1509 4' 11"	1530 5' 0"	1559 5' 1"
	Reach at Level Lift Arm and Bucket Level	mm ft/in	2679 8' 9"	2752 9' 0"	2787 9' 1"	2833 9' 3"	2739 8' 11"	2812 9' 2"	2847 9' 4"	2893 9' 5"
I	Digging Depth	mm ft/in	38 1.5"	38 1.5"	38 1.5"	38 1.5"	38 1.5"	38 1.5"	38 1.5"	38 1.5"
12 (Overall Length	mm ft/in	8326 27' 4"	8399 27' 7"	8434 27' 9"	8480 27' 10"	8386 27' 7"	8459 27' 9"	8494 27' 11"	8540 28' 1"
	Overall Height with Bucket at Maximum Lift	mm ft/in	5577 18' 4"	5649 18' 7"	5682 18' 8"	5730 18' 10"	5610 18' 5"	5682 18' 8"	5716 18' 10"	5763 18' 11"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm ft/in	6733 22' 2"	6755 22' 2"	6766 22' 3"	6780 22' 3"	6746 22' 2"	6769 22' 3"	6780 22' 3"	6795 22' 4"
	Static Tipping Load, Straight Rigid Tire)	kg lb	15 605 34,394	15 436 34,021	15 363 33,860	15 260 33,633	14 976 33,007	14 839 32,705	14 771 32,556	14 682 32,359
	Static Tipping Load, Articulated Rigid Tire)	kg lb	13 633 30,048	13 472 29,692	13 403 29,540	13 305 29,324	13 034 28,728	12 905 28,443	12 841 28,301	12 756 28,115
I	Breakout Force	kN lbf	181 40,804	171 38,425	166 37,378	160 36,073	172 38,848	163 36,687	159 35,725	153 34,526
(Operating Weight*	kg lb	22 269 49,081	22 363 49,287	22 399 49,367	22 454 49,488	22 739 50,117	22 809 50,271	22 843 50,346	22 888 50,445

^{*}Static tipping loads and operating weights shown are based on machine configuration with Brawler HPS Solidflex Smooth tires, full fluids, operator, standard lift linkage, standard Waste Arrangement guarding, front window guard, rear guard counterweight, light guards, auto diff lock axles (front/rear), and two valve hydraulics.

Standard and Optional Equipment

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

	Standard	Optional
POWER TRAIN		
Axles, ecology drains	✓	
Axles, manually actuated differential lock front axle, open differential rear axle	✓	
Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards		√
Brake wear indicators	✓	
Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)	✓	
Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models)	✓	
Economy mode (selectable)	✓	
Engine, Cat C7.1 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓	
Fan, VPF (variable pitch fan), automatic and manual control		✓
Fuel priming pump (electric)	✓	
Fuel/water separator	✓	
Parking brake, disc and caliper	✓	
Precleaner, engine air intake	✓	
Radiator, high debris, wide fin spacing		✓
Switch, transmission neutralizer lockout	✓	
Torque converter, locking clutch with free wheel stator	✓	
Transmission, automatic countershaft power shift (5F/3R)	✓	
CAT TECHNOLOGY		
Detect technologies: Rear vision camera Cat rear object detection	✓	✓
Link technologies: Product Link VIMS	√	√
Payload technologies: Cat Production Measurement 2.0 (Cat PM), Printer, Cat Production Measurement, Aggregate Autodig Machine security system		✓
iviaciniie security system		v

	Standard	Option
PERATOR ENVIRONMENT		
Air conditioner, heater, and defroster	✓	
(auto temp and fan)		
Beverage holders (2) with storage	✓	
compartment for cell phone/MP3 player		
Bucket/work tool function lockout	✓	
Cab access ladders and handrails	✓	
Cab air filter	✓	
Cab, pressurized and sound suppressed (ROPS/FOPS)	✓	
Cab tie-off	✓	
Coat hook (2)	✓	
Cover, HVAC metallic		✓
Door, remote opening system		✓
EH controls, SAL (single axis lever) lift and tilt function	✓	
EH controls, joystick lift and tilt – additional integrated roller switches for 3 rd and 4 th functions		✓
EH controls, SAL 3 rd function – additional roller switch for 4 th function		✓
EH parking brake	✓	
Filter, carbon fresh air		✓
Full time rear vision display Work Area Vision System (WAVS)		✓
Horn, electric	✓	
Light, two dome (cab)	✓	
Mirrors, heated rearview external with integrated spot mirrors		✓
Mirrors, rearview external with integrated spot mirrors	✓	
Multi-function 18 cm (7 in) color LCD	✓	
touchscreen display for rear vision camera image display (reverse travel activated) and machine status, setting and health parameters		
Post mounted membrane 16 switch keypad	✓	
Precleaner, HVAC		✓
Precleaner, HVAC (RESPA)		✓
Radio, AM/FM/USB/MP3 Bluetooth		✓
Radio, AM/FM/CD/USB/MP3 Bluetooth		✓
Radio, AM/FM/CD/USB/MP3 Bluetooth with Satellite Sirius and XM		✓
Radio, CB ready		✓
Radio ready (entertainment) includes antenna, speakers and converter (12V, 10-amp)	✓	
Receptacles (2), 12V	✓	

950M Industrial & Waste Standard and Optional Equipment

Standard and Optional Equipment (continued)

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

	Standard	Optional
OPERATOR ENVIRONMENT (continued)		
Roof, metallic		✓
Seat, Cat Comfort (cloth) air suspension	✓	
Seat belt, 51 mm (2 in) retractable, with indicator	✓	
Seat belt, 76 mm (3 in) retractable, with indicator		✓
Seat, heated air suspension		✓
Steering, EH joystick, speed sensing with force feedback		✓
Steering, secondary		✓
Steering, steering wheel	✓	
Sun visor, front	✓	
Sun visor, rear		✓
Viscous mounts	✓	
Wet-arm wipers/washers front and rear, intermittent front wiper	✓	
Windows, rubber mounted		✓
Window, sliding (left and right sides)	✓	
Windows, with front guard		✓
Windows, with full guards front, rear and sides		✓
ELECTRICAL AND LIGHTING		
Alarm, back-up	✓	
Alternator, 145-amp brushed	✓	
Auxiliary halogen cab-mounted work lights (four additional) or		✓
Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with two LED work lights in the radiator grill and LED front turn signals. Also includes		✓
replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light)		
Batteries (2), maintenance free 1,400 CCA	✓	
External seat belt indicator light		✓
Ignition key; start/stop switch	✓	
Lighting system: four halogen work lights (cab mounted), two LED stop, turn, tail lights, two halogen roading lights (with signals), two halogen rear vision lights (hood mounted)	✓	

	Standard	Optional
ELECTRICAL AND LIGHTING (continued)		•
Main disconnect switch	✓	
Receptacle start (cables not included)	✓	
Reversing strobes		✓
Starter, electric, heavy duty	✓	
Starting and charging system (24V)	✓	
Warning amber strobe beacon		✓
FLUIDS		
Premixed extended life coolant with freeze protection to -34°C (-29°F)	✓	
Premixed extended life coolant with freeze protection to -50°C (-58°F)		✓
HYDRAULICS		
Couplings, Cat O-ring face seal	✓	
Hoses, Cat XT	✓	
Hydraulic oil cooler (swing out)	✓	
Hydraulic system, load sensing	✓	
Oil sampling valves	✓	
3 rd function with Ride Control – standard linkage, high lift linkage, forestry linkage		✓
4 th function with Ride Control – standard linkage, high lift linkage, forestry linkage		✓
Remote diagnostic pressure taps	✓	
Ride control, 2V	✓	
Steering, load sensing	✓	
LINKAGE		
Autolube		✓
Forestry		✓
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 – 120V		✓
Cold start – 240V		✓
WORK TOOLS		
Forks, logging		✓
Forks, pallet		✓
Fusion quick coupler		✓
Material handling arms		✓
Performance Series buckets		✓
Snow products		✓
VCE quick coupler		✓

(continued on next page)

950M Industrial & Waste 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: Speedometer/tachometer Digital gear range indicator Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models) Temperature: engine coolant, hydraulic oil, transmission oil Fuel level	√		Auto idle shutdown	✓	
			Cat Autolube System		✓
			Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready		✓
			Ecology drains for engine, transmission, and hydraulics	✓	
With following warning indicators: Regeneration Temperature: axle oil, engine intake manifold Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil Battery voltage hi/low Engine air filter restriction Hydraulic oil filter restriction Hydraulic oil low Parking brake DEF low level (Tier 4 Final/ Stage V models) Transmission filter bypass	✓		Fenders, front with mud-flap/rear with extension	✓	
			Fenders, roading		✓
			Filters: fuel, engine air, engine oil, hydraulic oil, transmission	✓	
			Fuel cooler	✓	
			Grease zerks	✓	
			Grill, airborne debris	✓	
			Guard, power train		✓
			Hitch, drawbar with pin	✓	
			Hood, non-metallic power tilting	✓	
			Platform, window washing		✓
			Precleaner, turbine		✓
			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		✓
			Corrosion resistance		✓

Forestry

Steel mill (Tier 3 equivalent only)

950M Industrial & Waste Standard and Optional Equipment

Standard and Optional Equipment (continued)

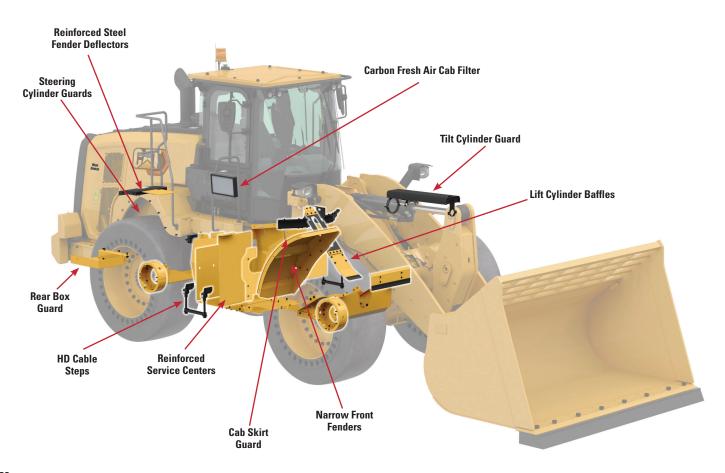
Standard

- · Axle seal guards
- · Steering cylinder guard
- · Crankcase guard
- · Power train guard
- · Tilt cylinder guard
- · Lower cab skirt
- Rear box reinforcement
- · Reinforced service centers
- Heavy duty cable steps
- · Lift cylinder baffles
- · Narrow front fenders
- Steel reinforced rear fender deflectors
- · Carbon fresh cab air filter
- · Locking differential front axle
- · Sound suppression cab

Optional

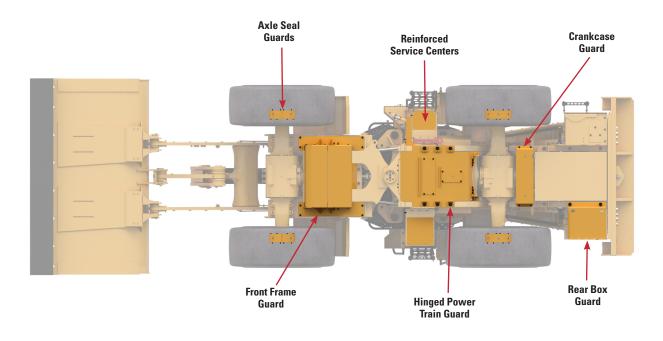
- High Lift linkage (additional 11" dump clearance)
- Auto locking differential front axle
- 3rd function hydraulics
- Premium LED lights
- Rubber mounted glass
- · Windshield guard
- · Joystick steering
- Deluxe seat with dynamic end dampening
- Joystick loader controls
- Powered and filtered cab precleaner
- High debris cooling coolers
- · Variable pitch fan
- Brawler HPS Solid tires (traction or smooth)
- Turbine engine air precleaner with trash screen
- Autolube
- Cat Integrated Object Detection
- Light guards

Top Machine Guarding – Standard

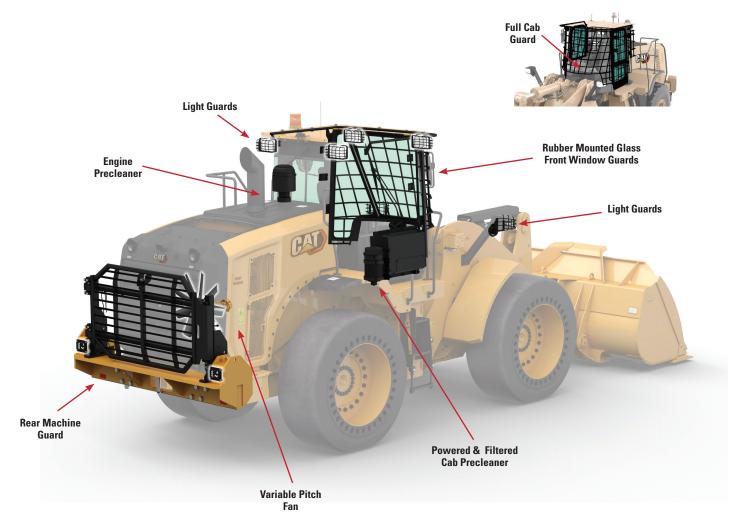


950M Industrial & Waste Standard and Optional Equipment

Bottom Machine Guarding – Standard



Optional Full Cab Guarding – Available





950M Forestry

Millyard applications demand the additional performance, productivity, and safety that Cat Forestry Wheel Loaders deliver.

Durability

- Robotically welded frame design provides rigid structures that absorb torsional loads.
- M Series articulating hitch design provides increased bearing force capacity to handle heavy loads.
- Heavy-duty transmissions and axles are designed to handle steep grades and ramps.

Productivity

- Larger lift and tilt cylinders coupled with Logger counterweight increase machine capacity 9% over standard machine.
- Lock-up clutch transmission matches the engine power to increase fuel efficiency while delivering optimal performance.
- Optional Cat Fusion quick coupler and 3rd/4th valve hydraulic functions provide versatility between forks and buckets.
- Automatic idle engine shutdown system significantly reduces idle time, overall operating hours, and fuel consumption.
- Standard manual locking front differential optimizes traction in all conditions. In partially paved yards, tire wear is minimized.

Safety

- Cab access with wide door and stair-like steps adds solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear vision camera provide industry-leading all-around visibility.
- Rear vision camera enhances visibility behind the machine, helping you work safely and confidently.

Operator Environment

- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- Seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy.
- Convenient door latch enables personnel to keep feet on the ground while opening the cab door.

Reduced Maintenance Time and Costs

- · Service centers enhance convenience and accessibility.
- Easy access to fuel fill and daily maintenance points means less servicing time is required.
- Extended service intervals, including:
 - Engine oil and engine oil filter change interval up to 1,000 hours
 - Hydraulic filter change interval up to 1,000 hours
- Transmission oil change interval up to 2,000 hours
- Remote flash support.
- Optional integrated Cat autolube system provides full lube system monitoring and diagnostic test visibility.

Engine – (Tier 3/Stage IIIA e	quivalent)¹					
Engine Model	Cat C7.1					
Maximum Power (2,000 rpm)						
SAE J1995	196 kW	263 hp				
ISO 14396	195 kW	261 hp				
ISO 14396 (metric)		265 hp				
Maximum Net Power (2,000 rpm)						
SAE J1349	185 kW	248 hp				
ISO 9249	185 kW	248 hp				
ISO 9249 (metric)		252 hp				
Peak Gross Torque (1,400 rpm)						
SAE J1995	1053 N·m	777 lbf-ft				
Maximum Net Torque (1,400 rpm)						
SAE J1349	984 N·m	726 lbf-ft				
Bore	105 mm	4.13 in				
Stroke	135 mm	5.31 in				
Displacement	7.01 L	428 in ³				

- 1 Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- 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.

Engine – (Tier 4 Final/Stage V) ²						
Engine Model	Cat C7.1					
Maximum Power (2,100 rpm)						
SAE J1995	187 kW	250 hp				
ISO 14396	186 kW	249 hp				
ISO 14396 (metric)		253 hp				
Maximum Net Power (2,100 rpm)						
SAE J1349	171 kW	230 hp				
ISO 9249	171 kW	230 hp				
ISO 9249 (metric)		232 hp				
Peak Gross Torque (1,300 rpm)	Peak Gross Torque (1,300 rpm)					
SAE J1995	1235 N·m	911 lbf-ft				
Maximum Net Torque (1,300 rpm)						
SAE J1349	1163 N·m	858 lbf-ft				
Bore	105 mm	4.13 in				
Stroke	135 mm	5.31 in				
Displacement	7.01 L	428 in ³				

- 2 Meets either U.S. EPA Tier 4 Final or EU Stage V, Japan 2014, and Korea Tier 4 Final emission standards depending on region.
- 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.

Transmission		
Forward 1	6.9 km/h	4.3 mph
Forward 2	12.0 km/h	7.5 mph
Forward 3	19.3 km/h	12.0 mph
Forward 4	25.7 km/h	16.0 mph
Forward 5	39.5 km/h	24.5 mph
Reverse 1	6.9 km/h	4.3 mph
Reverse 2	12.0 km/h	7.5 mph
Reverse 3	25.7 km/h	16.0 mph

• Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Hydraulic System		
Implement Pump Type	Variable axia	l piston
Implement System		
Maximum Pump Output (2,150 rpm)	286 L/min	76 gal/min
Maximum Operating Pressure	29 300 kPa	4,250 psi
Optional 3 rd /4 th Function Maximum Flow	240 L/min	63 gal/min
Optional 3 rd /4 th Function Maximum Pressure	21 780 kPa	3,159 psi
Hydraulic Cycle Time with Rated Payload		
Raise from Carry Position	5.1	Sec.
Dump, at Maximum Raise	1.5	Sec.
Lower, Empty, Float Down	2.3	Sec.
Total	8.9	Sec.

Brakes	
Brakes	Brakes meet ISO 3450:2011 standards

Axles	
Front	Fixed
Rear	Oscillating ±13 degrees
Maximum Single-Wheel Rise and Fall	496 mm 1 6 ft

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

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)		
Tier 3/Stage IIIA Equivalent	72 dB(A)*	
Tier 4 Final/Stage V	70 dB(A)*	
Exterior Sound Power Level (ISO 6395:2008)	107 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 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 (49.2 ft), moving forward in second gear ratio with the cooling fan speed set at maximum value.

Service Refill Capacities				
Fuel Tank	275 L	72.6 gal		
DEF Tank*	16 L	4.2 gal		
Cooling System	59 L	15.6 gal		
Crankcase	22 L	5.8 gal		
Transmission	43 L	11.4 gal		
Differentials and Final Drives – Front	43 L	11.4 gal		
Differentials and Final Drives – Rear	43 L	11.4 gal		
Hydraulic Tank	125 L	33.0 gal		

^{*}Must meet the requirements outlined in ISO 22241-1 for Tier 4 Final/Stage V models.

Tire Options

Tire Brand	Michelin	Bridgestone	Goodyear	Bridgestone	Bridgestone	Michelin	Bridgestone
Tire Size	23.5R25	23.5R25	23.5R25	23.5-25	23.5R25	750/65R25	23.5-25
Tread Type	L-3	L-3	L-3	L-3	L-3	L-3	L-3
Tread Pattern	XHA2	VMT	RT-3B	SRG LD	VJT	XLD	VL2
Width over Tires – Maximum (empty)*	2814 mm	2805 mm	2835 mm	2768 mm	2798 mm	2948 mm	2769 mm
	9'2"	9'2"	9'4"	9'1"	9'2"	9'8"	9'1"
Width over Tires – Maximum (loaded)*	2822 mm	2834 mm	2846 mm	2795 mm	2831 mm	2965 mm	2782 mm
	9'3"	9'4"	9'4"	9'2"	9'3"	9'9"	9'2"
Change in Vertical Dimensions	0 mm	-3 mm	−1 mm	1 mm	-6 mm	–6 mm	14 mm
(average of front and rear)	0"	-0.1"	0"	0"	-0.2"	-0.2"	0.6"
Change in Horizontal Reach	0 mm	6 mm	3 mm	-16 mm	6 mm	11 mm	3 mm
	0"	0.2"	0.1"	-0.6"	0.2"	0.4"	0.1"
Change in Clearance Circle (radius) to Outside	0 mm	12 mm	24 mm	–27 mm	9 mm	143 mm	–40 mm
of Tires	0"	0.5"	1"	-1.1"	0.4"	5.6"	-1.6"
Change in Clearance Circle (radius) to Inside	0 mm	−12 mm	-24 mm	27 mm	−9 mm	-143 mm	40 mm
of Tires	0"	-0.5"	-1"	1.1"	-0.4"	-5.6"	1.6"
Change in Operating Weight (without Ballast)	0 kg	188 kg	127 kg	–248 kg	168 kg	801 kg	-100 kg
	0 lb	414 lb	280 lb	−547 lb	370 lb	1,766 lb	-220 lb
Change in Static Tipping Load – Straight	0 kg	125 kg	85 kg	-165 kg	112 kg	534 kg	–67 kg
	0 lb	276 lb	187 lb	-364 lb	247 lb	1,177 lb	-148 lb
Change in Static Tipping Load – Articulated	0 kg	109 kg	74 kg	-144 kg	98 kg	466 kg	-58 kg
	0 lb	240 lb	163 lb	-317 lb	216 lb	1,027 lb	-128 lb

^{*}Width over bulge and includes tire growth.

Grapple Fork - 36" Pin-On

Α	Tine length	mm	917
	The length	in	36.1
В	Fork width	mm	1855
		in	73.0
	End area	m2	2.5
		ft2	27
С	Inside Height	mm	0
	(only applies to double top clamp)	in	0
D	Min. opening (only applies to millyard forks)	mm	N/A N/A
	(only applies to miliyard forks)	in kg	20156
	Operating Weight	lbs	44437
		mm	1314
Е	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	8376
	Fork level	lbs	18466.0
	Static tipping load, straight	kg	9825
	Fork level	lbs	21660.9
F	Max. height of fork	mm	3507
	(w/clamp open if applicable)	in	138.1
G	Clearance w/full lift, 45 deg dump	mm	3087
	(if max. dump <> 45)	in	121.5
н	Clearance @ full lift fork level	mm	3759
		in	148.0
- 1	Reach w/full lift, 45 deg dump	mm	1116
	(if max. dump <> 45)	in	43.9 2371
J	Reach w/lift arm horizontal and fork level	mm in	
		mm	93.3 -68
K	Digging depth	in	-2.7
		mm	1850
L	Width over tines	in	72.8
		mm	1766
M	Reach @ ground level	in	70
	Many annulus annua fina and alama	mm	3123
N	Max. opening across tine and clamp	in	123.0
0	Overall height of fork @ full lift and	mm	7266
	clamp open	in	286.1
Р	Overall length	mm	7993
	Tip of tine to rear of machine	in	314.7
R	Clearance @ full lift and max. dump	mm	3078
	Discharge (if <> 45)	in	121.2
s	Clearance w/horizontal lift arms and	mm	1798.0
	fork level	in	70.8
Т	Reach @ full lift and fork level	mm	1633.3
		in	64.3 46
U	Max. discharge angle from horizontal	deg	46 0.8
		rad	0.8



Hinge (B) Pin Height (mm)

Capacity (kg)



- Payload (CEN EN 474-3 - Rough Terrain) → Payload (CEN EN 474-3 - Firm & Level)

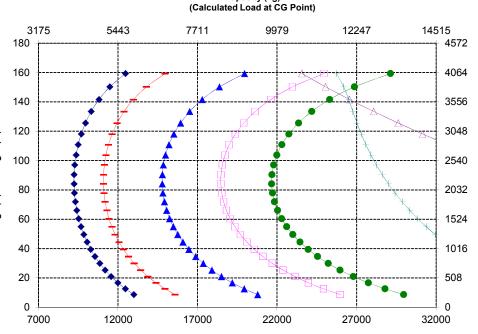
- Static Tipping Load - Articulated

→ Payload (SAE J1197)

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.

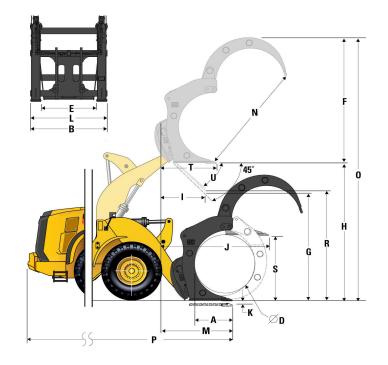
*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization



Capacity (lbs) (Calculated Load at CG Point)

Grapple Fork – 48" Pin-On

Α	Tine length	mm	1220 48.0
		in mm	1855
В	Fork width	in	73.0
		m2	2.63
	End area	ft2	2.03
	Inside Height	mm	0
С	(only applies to double top clamp)	in	0
	Min. opening	mm	N/A
D	(only applies to millyard forks)	in	N/A
	, , , ,	kg	20273
	Operating Weight	lbs	44694
		mm	1314
Е	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	7972
	Fork level	lbs	17575.8
	Static tipping load, straight	kg	9377
	Fork level	lbs	20672.1
	Max. height of fork	mm	3352
F	(w/clamp open if applicable)	in	132.0
	Clearance w/full lift, 45 deg dump	mm	2853
G	(if max. dump <> 45)	in	112.3
		mm	3759
Н	Clearance @ full lift fork level	in	148.0
_	Reach w/full lift, 45 deg dump	mm	1350
ı	(if max. dump <> 45)	in	53.1
		mm	2701
J	Reach w/lift arm horizontal and fork level	in	106.3
	D: 1 4	mm	-68
K	Digging depth	in	-2.7
	AR-MA	mm	1850
L	Width over tines	in	72.8
	Describ @ account level	mm	2096
M	Reach @ ground level	in	83
	Management and Jane	mm	3027
N	Max. opening across tine and clamp	in	119.2
0	Overall height of fork @ full lift and	mm	7111
U	clamp open	in	280.0
Р	Overall length	mm	8323
Р	Tip of tine to rear of machine	in	327.7
R	Clearance @ full lift and max. dump	mm	2841
ĸ	Discharge (if <> 45)	in	111.9
s	Clearance w/horizontal lift arms and	mm	1798.0
3	fork level	in	70.8
т	Pooch @ full lift and fark lovel	mm	1963.4
'	Reach @ full lift and fork level	in	77.3
U	Max discharge angle from horizontal	deg	46
U	Max. discharge angle from horizontal	rad	8.0



Capacity (kg) (Calculated Load at CG Point)



- Payload (CEN EN 474-3 Rough Terrain)

- --- Hydraulic Lift Capacity

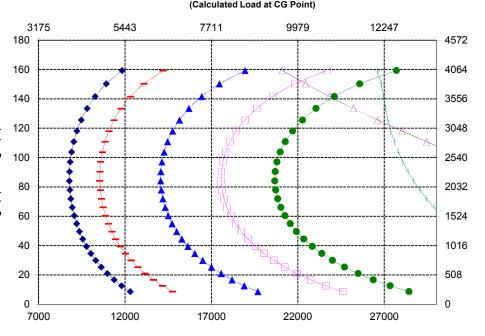
NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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





Capacity (lbs)
(Calculated Load at CG Point)

Hinge (B) Pin Height (mm)

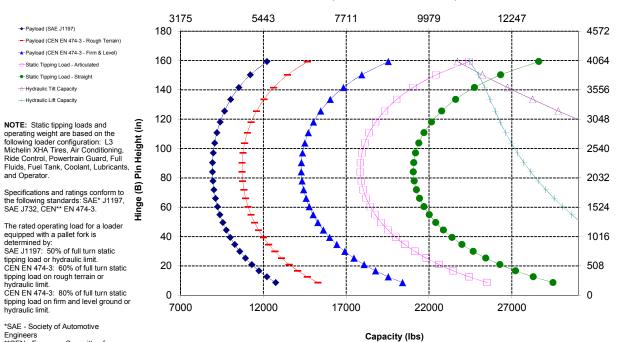
Grapple Fork - 36" Fusion

Α	Tine length	mm	917
		in	36.1
В	Fork width	mm	1855
		in m2	73.0 2.5
	End area	ft2	2.5 27
	Inside Height	mm	0
С	(only applies to double top clamp)	in	0
	Min. opening	mm	N/A
D	(only applies to millyard forks)	in	N/A
	, , , ,	kg	20598
	Operating Weight	lbs	45411
		mm	1314
Е	Distance inside of tine tips	in	52
	Static tipping load, articulated	kg	8100
	Fork level	lbs	17858.1
	Static tipping load, straight	kg	9552
	Fork level	lbs	21057.8
	Max. height of fork	mm	3433
F	(w/clamp open if applicable)	in	135.1
	Clearance w/full lift, 45 deg dump	mm	3035
G	(if max. dump <> 45)	in	119.5
		mm	3686
Н	Clearance @ full lift fork level	in	145.1
1	Reach w/full lift, 45 deg dump	mm	1065
'	(if max. dump <> 45)	in	41.9
J	Reach w/lift arm horizontal and fork level	mm	2370
J	Reach while and nonzontal and lork level	in	93.3
К	Digging donth	mm	-141
n.	Digging depth	in	-5.5
L	Width over tines	mm	1850
	Width over tines	in	72.8
М	Reach @ ground level	mm	1819
IVI	Treach & ground level	in	72
N	Max. opening across tine and clamp	mm	3123
	<u> </u>	in	123.0
0	Overall height of fork @ full lift and	mm	7119
	clamp open	in	280.3
Р	Overall length	mm	8046
	Tip of tine to rear of machine	in	316.8
R	Clearance @ full lift and max. dump	mm	2955
	Discharge (if <> 45)	in	116.3
s	Clearance w/horizontal lift arms and	mm	1725.3
	fork level	in	67.9
т	Reach @ full lift and fork level	mm	1633.1
		in	64.3
U	Max. discharge angle from horizontal	deg	57
		rad	1.0



Hinge (B) Pin Height (mm)

Capacity (kg) (Calculated Load at CG Point)



(Calculated Load at CG Point)

*SAE - Society of Automotive

→ Payload (SAE J1197)

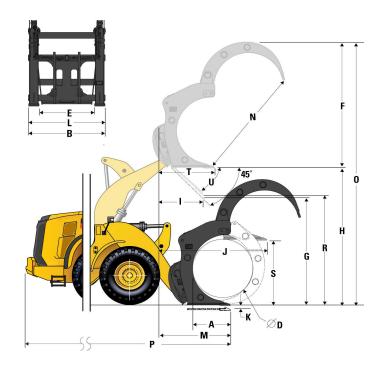
--- Hydraulic Lift Capacity

- Static Tipping Load - Articulated -- Static Tipping Load - Straight - Hydraulic Tilt Capacity

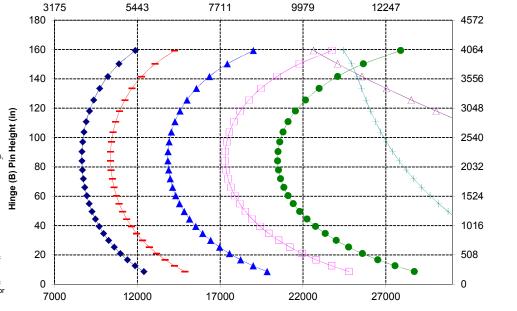
Engineers
**CEN - European Committee for Standardization

Grapple Fork – 48" Fusion

A Tine length mm in table (above) 1220 in 48.0 mm B Fork width mm in 1855 in 73.0 mm 1855 in 73.0 mm End area m2 2.63 min 73.0 mm 2.63 min 73.0 mm End area mm 2.263 min 72.28 mm 162 min 72.28 mm C Inside Height (only applies to double top clamp) mm 0 0 mm N/A in 0.0 mm D Min. opening (only applies to millyard forks) in N/A				
In 48.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1855 1973.0 1	^	Tine length	mm	1220
End area m2 2.63 End area m2 2.63 C Inside Height mm 0 Conly applies to double top clamp) in 0 D Min. opening mm N/A Coperating Weight lbs 45766 E Distance inside of tine tips mm 1314 Fork level lbs 157302.3 Static tipping load, articulated kg 7848 Fork level lbs 20470.7 F Max. height of fork mm 2853 C Clearance w/full lift, 45 deg dump mm 2853 I Reach w/full lift, 45 deg dump mm 1350 I Reach w/full lift, 45 deg dump mm 1350 I Reach w/full lift, 45 deg dump mm 1350 I Reach w/full lift, 45 deg dump mm 2701 L Width over tines mm 2096 M Reach @ ground level mm 2096 M Reach @ ground level mm 3027 R Clearance @ full lift and clamp open in 280.1 C O Overall height of fork @ full lift and clamp open in 280.1 Clearance @ full lift and max. dump → P Discharge (if wax. dump → S tine and clamp open in 290.1 Clearance @ full lift and max. dump in 192.2 C O Overall height of fork @ full lift and max. dump popen in 290.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 270.5 Clearance @ full lift and max. dump mm 271.5 Clearance @ full lift and max. dump mm 270.8 Clearance w/horizontal lift arms and fork level mm 1963.4 Clearance w/horizontal lift arms and fork level mm 1963.5 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/full lift and fork level mm 1963.6 Clearance w/horizontal lift arms and fork level mm 1963.6 Clearance w/full lift and fork lev		Tille lengui		48.0
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End area Inside Height		TOTA WIGHT		
C Inside Height (only applies to double top clamp) in 0 mm 0 on 1 mm N/A D Min. opening (only applies to millyard forks) in N/A Operating Weight kg 20759 lbs 45766 E Distance inside of tine tips mm 1314 mm 1314 mm 1314 mm 1314 lbs 17302. E Distance inside of tine tips mm 1314 mm 1314 lbs 17302. Static tipping load, articulated Fork level kg 7848 lbs 17302. Fork level lbs 20470.7 Fax height of fork mm 3356 lbs 20470.7 F Max. height of fork (w/clamp open if applicable) in 132.1 lbs 20470.7 G Clearance w/full lift, 45 deg dump (if max. dump <> 45) in 112.3 lbs 11.3		End area		
Umake of the composition of			_	
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Doctor				
Departing Weight Reg 20759 Ibs 45766	D			
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Distance inside of tine tips				
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Static tipping load, straight Fork level kg 9285 Fork level lbs 20470.7 Max. height of fork (Wclamp open if applicable) in 132.1 G Clearance w/full lift, 45 deg dump (iff max. dump <> 45) mm 2853 H Clearance @ full lift fork level mm 3759 I Reach w/full lift, 45 deg dump (if max. dump <> 45) mm 1350 J Reach w/lift arm horizontal and fork level mm 2701 J Reach w/lift arm horizontal and fork level mm 2701 K Digging depth mm -88 In 72.8 mm M Reach @ ground level mm 2096 M Reach @ ground level in 83 N Max. opening across tine and clamp in 19.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/			_	
Fork level				
F Max. height of fork (w/clamp open if applicable) mm 3356 G Clearance w/full lift, 45 deg dump (if max. dump < 45)			_	
F (w/clamp open if applicable) in 132.1 G Clearance w/full lift, 45 deg dump (iff max. dump <> 45) mm 2853 in 112.3 H Clearance @ full lift fork level mm 3759 in 148.0 I Reach w/full lift, 45 deg dump (iff max. dump <> 45) mm 1350 in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 in 106.3 K Digging depth mm 68 in -2.7 L Width over tines mm 1850 in 72.8 M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 in 280.7 P Overall length mm 8323 in 280.7 R Clearance @ full lift and max. dump mm 2719 in 107.0 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 77.3 T Reach @ full lift and fork level in 70.8 II May, discharge apple from horizontal deg 57				
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I (if max. dump <> 45) in 53.1 J Reach w/lift arm horizontal and fork level mm 2701 K Digging depth mm -68 K Digging depth mm -68 L Width over tines mm 1850 M Reach @ ground level mm 2096 M Reach @ ground level mm 3027 N Max. opening across tine and clamp mm 3027 O Overall height of fork @ full lift and clamp mm 7115 Clamp open in 280.1 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 1798.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 I May discharge apple from horizontal deg 57	н	Clearance @ full lift fork level	in	148.0
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J Reach w/lift arm horizontal and fork level in 106.3 K Digging depth mm -68 in -2.7 L Width over tines mm 1850 in 72.8 M Reach @ ground level mm 2096 in 83 N Max. opening across tine and clamp mm 3027 in 119.2 O Verall height of fork @ full lift and clamp open in 19.2 19.2 O Verall length mm 8323 327.7 19.2 P Overall length mm 8323 327.7 19.2 10.2 11.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2		(if max. dump <> 45)	in	53.1
M Reach @ ground level mm 3027		Peach w/lift arm horizontal and fork level	mm	2701
K Digging depth in -2.7 L Width over tines mm 1850 M Reach @ ground level mm 2096 M Reach @ ground level in 83 N Max. opening across tine and clamp mm 3027 N Max. opening across tine and clamp mm 7115 O Overall height of fork @ full lift and clamp mm 7115 Clamp open in 280.1 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 8323 Tip of tine to rear of machine in 107.0 S Clearance w/horizontal lift arms and fork level in 170.8 T Reach @ full lift and fork level in 77.3 L Max. discharge apple from horizontal deg 57		Reach while ann nonzontal and lock level	in	106.3
L Width over tines	ĸ	Digging denth	mm	-68
L Width over tines in 72.8 M Reach @ ground level mm 2096 N Max. opening across tine and clamp mm 3027 N Max. opening across tine and clamp in 119.2 O Overall height of fork @ full lift and clamp open in 280.1 P Overall length mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level in 77.3 L Max. discharge apple from horizontal deg 57		Bigging depth	in	
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M Reach @ ground level in 83 N Max. opening across tine and clamp mm 3027 O Overall height of fork @ full lift and clamp open mm 7115 O Overall length of fork @ full lift and max. mm 8323 Tip of tine to rear of machine in 327.7 R Clearance @ full lift and max. dump mm 2719 Discharge (if <> 45) in 107.0 S Clearance w/horizontal lift arms and fork level in 70.8 T Reach @ full lift and fork level mm 1963.4 I mm 1963.4 mm 1963.4 I max. discharge apple from horizontal deg 57				
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Clamp open in 280.1 P Overall length Tip of tine to rear of machine mm 8323 R Clearance @ full lift and max. dump Discharge (if <> 45) mm 2719 S Clearance w/horizontal lift arms and fork level in 170.8 T Reach @ full lift and fork level mm 1963.4 II May discharge apple from horizontal deg 57		Organish principle of forty @ full life and		
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T Reach @ full lift and fork level in 77.3 II May discharge angle from horizontal deg 57	_			
II May discharge angle from horizontal deg 57	Т	Reach @ full lift and fork level		
		Man disabassa anala fasa basinastal		
	U	wax. discharge angle from norizontal	-	1.0



Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs)
(Calculated Load at CG Point)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Payload (CEN EN 474-3 - Rough Terrain)
 Payload (CEN EN 474-3 - Firm & Level)

Static Tipping Load - Articulated

Static Tipping Load - Straight

Hydraulic Tilt Capacity

→ Payload (SAE J1197)

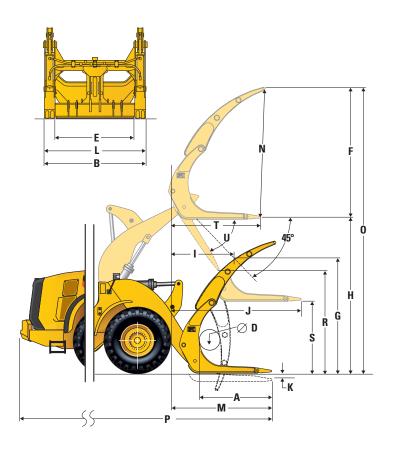
--- Hydraulic Lift Capacity

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization Hinge (B) Pin Height (mm)

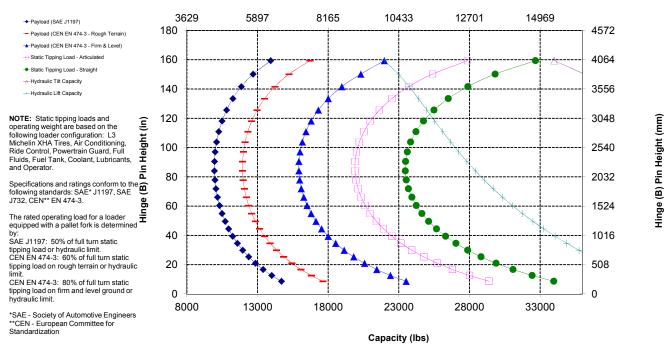
Millyard Fork - 63" Pin-On

Α	Tine length	mm	1609 63.3
		in mm	2324
В	Fork width	in	2324 91.5
		m2	1.26
	End area	ft2	1.20
	Inside Height	mm	0
С	(only applies to double top clamp)	in	0
_	Min. opening	mm	427
D	(only applies to millyard forks)	in	17
		kg	20548
	Operating Weight	lbs	45301
_	Distance incide of the time	mm	1780
Е	Distance inside of tine tips	in	70
	Static tipping load, articulated	kg	9029
	Fork level	lbs	19904.7
_	Static tipping load, straight	kg	10642
	Fork level	lbs	23461.7
F	Max. height of fork	mm	2843
	(w/clamp open if applicable)	in	111.9
G	Clearance w/full lift, 45 deg dump	mm	2641
	(if max. dump <> 45)	in	104.0
н	Clearance @ full lift fork level	mm	3773
		in	148.6
- 1	Reach w/full lift, 45 deg dump	mm	1582
	(if max. dump <> 45)	in	62.3
J	Reach w/lift arm horizontal and fork level	mm	3015
		in mm	118.7 -54
K	Digging depth	in	-5 4 -2.1
		mm	2286
L	Width over tines	in	90.0
		mm	2399
M	Reach @ ground level	in	94
		mm	2709
N	Max. opening across tine and clamp	in	106.7
0	Overall height of fork @ full lift and	mm	6617
	clamp open	in	260.5
Р	Overall length	mm	8626
	Tip of tine to rear of machine	in	339.6
R	Clearance @ full lift and max. dump	mm	2625
	Discharge (if <> 45)	in	103.4
s	Clearance w/horizontal lift arms and	mm	1812.2
	fork level	in	71.3
т	Reach @ full lift and fork level	mm	2277.4
	5	in	89.7
U	Max. discharge angle from horizontal	deg	46
		rad	8.0



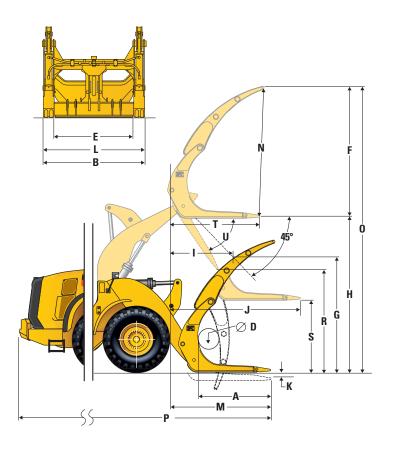
Capacity (kg) (Calculated Load at CG Point)

(Calculated Load at CG Point)

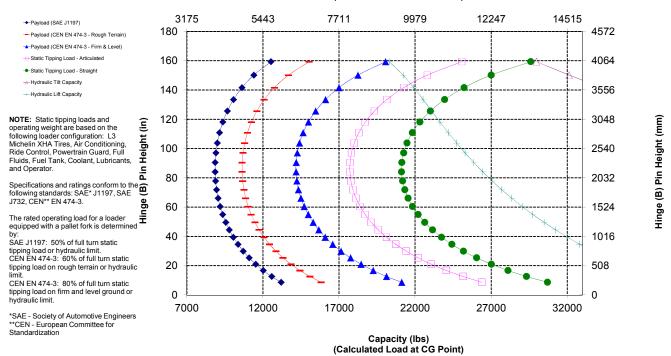


Millyard Fork - 63" Fusion

Α	Tine length	mm	1609
		in	63.3
В	Fork width	mm	2324
		in m2	91.5
	End area	ft2	1.26 14
	Inside Height	mm	0
С	(only applies to double top clamp)	in	0
	Min. opening	mm	427
D	(only applies to millyard forks)	in	17
	, , , ,	kg	21220
	Operating Weight	lbs	46782
_	The state of the s	mm	1780
Е	Distance inside of tine tips	in	70
	Static tipping load, articulated	kg	8036
	Fork level	lbs	17716.1
_	Static tipping load, straight	kg	9577
	Fork level	lbs	21113.2
F	Max. height of fork	mm	2843
	(w/clamp open if applicable)	in	111.9
G	Clearance w/full lift, 45 deg dump	mm	2554
	(if max. dump <> 45)	in	100.6
н	Clearance @ full lift fork level	mm	3787
	D 1 (CH2) 45 1 1	in	149.1
- 1	Reach w/full lift, 45 deg dump	mm	1688
	(if max. dump <> 45)	in	66.5 3152
J	Reach w/lift arm horizontal and fork level	mm in	124.1
		mm	-40
K	Digging depth	in	-1.6
		mm	2286
L	Width over tines	in	90.0
	5 10 11 1	mm	2526
M	Reach @ ground level	in	99
N	May appains serves tipe and clamp	mm	2709
N	Max. opening across tine and clamp	in	106.7
0	Overall height of fork @ full lift and	mm	6630
	clamp open	in	261.0
Р	Overall length	mm	8753
	Tip of tine to rear of machine	in	344.6
R	Clearance @ full lift and max. dump	mm	2278
	Discharge (if <> 45)	in	89.7
s	Clearance w/horizontal lift arms and	mm	1825.9
	fork level	in	71.9 2414.5
Т	Reach @ full lift and fork level	mm	
		in	95.1 63
U	Max. discharge angle from horizontal	deg rad	03 1.1
		rad	1.1

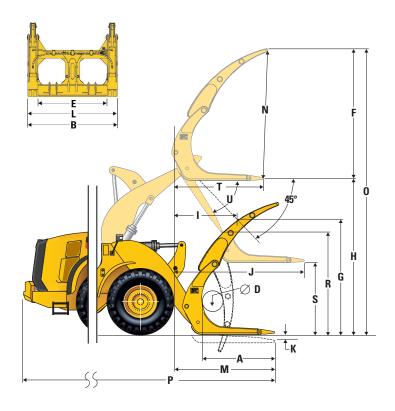


Capacity (kg) (Calculated Load at CG Point)



Logging Fork - 63" Double Clamp, Pin-On

Α	Tine length	mm	1609
		in	63.3
В	Fork width	mm in	2332
		m2	91.8
	End area	ft2	1.9 20
	Inside Height	mm	1381
С	(only applies to double top clamp)	in	54
	Min. opening	mm	N/A
D	(only applies to millyard forks)	in	N/A
	, , , ,	kg	20360
	Operating Weight	lbs	44886
		mm	1776
Ε	Distance inside of tine tips	in	70
	Static tipping load, articulated	kg	8746
	Fork level	lbs	19280.5
	Static tipping load, straight	kg	10270
	Fork level	lbs	22642.1
	Max. height of fork	mm	2944
F	(w/clamp open if applicable)	in	115.9
	Clearance w/full lift, 45 deg dump	mm	2640
G	(if max. dump <> 45)	in	104.0
		mm	3774
Н	Clearance @ full lift fork level	in	148.6
1	Reach w/full lift, 45 deg dump	mm	1583
'	(if max. dump <> 45)	in	62.3
J	Reach w/lift arm horizontal and fork level	mm	3016
J	Reach while and nonzonial and lork level	in	118.8
К	Digging depth	mm	-53
	Digging depth	in	-2.1
L	Width over tines	mm	2298
	Width over tines	in	90.5
м	Reach @ ground level	mm	2401
141	TOUGH & GLOUING 10 VOI	in	95
N	Max. opening across tine and clamp	mm	2542
	<u> </u>	in	100.1
0	Overall height of fork @ full lift and	mm	6717
_	clamp open	in	264.5
Р	Overall length	mm	8628
	Tip of tine to rear of machine	in	339.7
R	Clearance @ full lift and max. dump	mm	2625
	Discharge (if <> 45)	in	103.3
s	Clearance w/horizontal lift arms and	mm	1812.7
	fork level	in	71.4
т	Reach @ full lift and fork level	mm	2279.1
	-	in	89.7
U	Max. discharge angle from horizontal	deg	46
	3 - 3	rad	8.0



Hinge (B) Pin Height (mm)

Capacity (kg) (Calculated Load at CG Point)



- Payload (CEN EN 474-3 Rough Terrain)
- ▲ Payload (CEN EN 474-3 Firm & Level)
- Static Tipping Load Articulated -- Static Tipping Load - Straight
- --- Hydraulic Tilt Capacity
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

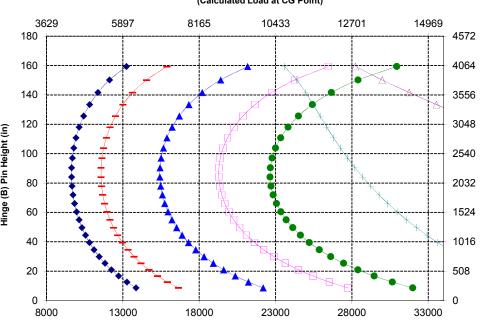
Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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.

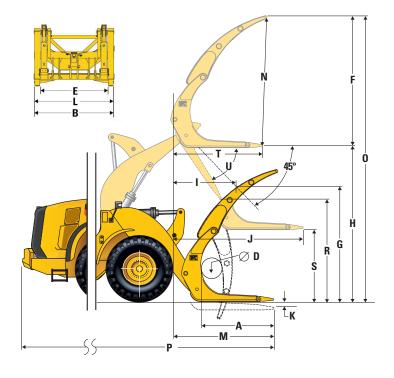
*SAE - Society of Automotive





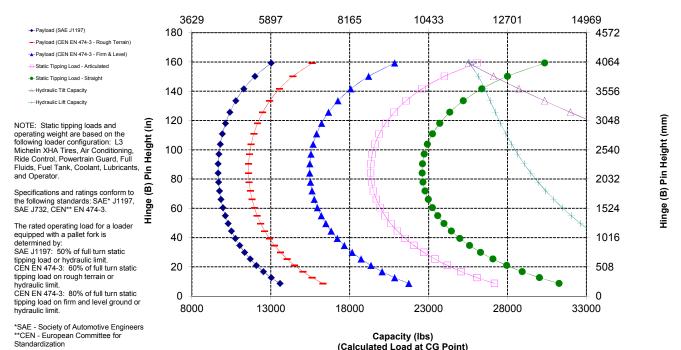
Millyard Pole Fork – 66" Pin-On

Α	Tine length	mm in	1677 66.0
		mm	2236
В	Fork width	in	88.0
		m2	1.39
	End area	ft2	1.39
	Incida Haight	mm	0
С	Inside Height (only applies to double top clamp)	in	0
	Min. opening	mm	330
D	(only applies to millyard forks)	in	13
	, , , ,	kg	19932
	Operating Weight	lbs	43943
		mm	1904
Ε	Distance inside of tine tips	in	75
	Ctatic tinning load, articulated		
	Static tipping load, articulated Fork level	kg	8768
	Static tipping load, straight	lbs kg	19329.5 10248
	Fork level	lbs	22591.8
	Max. height of fork	mm	3144
F	(w/clamp open if applicable)	in	123.8
	Clearance w/full lift, 45 deg dump	mm	2368
G	(if max. dump <> 45)	in	93.2
	(II max. dump <> 45)	mm	3671
Н	Clearance @ full lift fork level	in	144.5
	Reach w/full lift, 45 deg dump	mm	1710
- 1	(if max. dump <> 45)	in	67.3
		mm	3299
J	Reach w/lift arm horizontal and fork level	in	129.9
		mm	-156
Κ	Digging depth	in	-6.1
		mm	2184
L	Width over tines	in	86.0
		mm	2758
М	Reach @ ground level	in	109
		mm	2914
N	Max. opening across tine and clamp	in	114.7
	Overall height of fork @ full lift and	mm	6815
0	clamp open	in	268.3
_	Overall length	mm	8985
Р	Tip of tine to rear of machine	in	353.8
_	Clearance @ full lift and max. dump	mm	2351
R	Discharge (if <> 45)	in	92.5
_	Clearance w/horizontal lift arms and	mm	1710.1
S	fork level	in	67.3
_		mm	2561.3
Т	Reach @ full lift and fork level	in	100.8
		deg	46
U	Max. discharge angle from horizontal	rad	0.8
		144	0.0



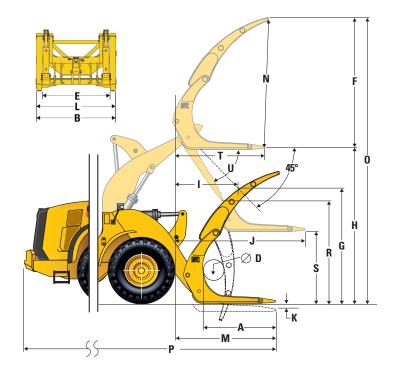
Capacity (kg) (Calculated Load at CG Point)

(Calculated Load at CG Point)



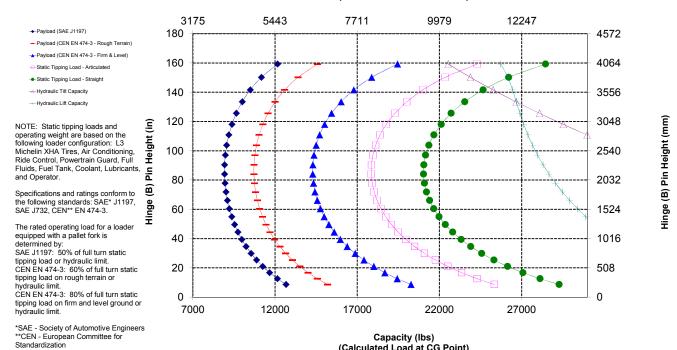
Millyard Pole Fork – 66" Fusion

Α	Tine length	mm	1677
	The length	in	66.0
В	Fork width	mm	2236
	1 on man	in	88.0
	End area	m2	1.39
		ft2	15
С	Inside Height	mm	0
	(only applies to double top clamp)	in	0
D	Min. opening	mm	330
	(only applies to millyard forks)	in	13
	Operating Weight	kg	20488
		lbs mm	45168 1904
Е	Distance inside of tine tips	in	75
	Static tipping load, articulated	kg	8101
	Fork level	lbs	17859.3
	Static tipping load, straight	kg	9539
	Fork level	lbs	21029.9
_	Max. height of fork	mm	3148
F	(w/clamp open if applicable)	in	123.9
_	Clearance w/full lift, 45 deg dump	mm	2359
G	(if max. dump <> 45)	in	92.9
н	Clearance & full lift fork level	mm	3747
	Clearance @ full lift fork level	in	147.5
1	Reach w/full lift, 45 deg dump	mm	1827
	(if max. dump <> 45)	in	71.9
J	Reach w/lift arm horizontal and fork level	mm	3388
	Trought while arm nonzonial and fore love	in	133.4
ĸ	Digging depth	mm	-80
		in	-3.2
L	Width over tines	mm	2184
		in	86.0
M	Reach @ ground level	mm	2793
		in mm	110 2914
Ν	Max. opening across tine and clamp	in	114.7
	Overall height of fork @ full lift and	mm	6895
0	clamp open	in	271.4
_	Overall length	mm	9020
Р	Tip of tine to rear of machine	in	355.1
_	Clearance @ full lift and max. dump	mm	2178
R	Discharge (if <> 45)	in	85.8
_	Clearance w/horizontal lift arms and	mm	1785.9
S	fork level	in	70.3
т	Reach @ full lift and fork level	mm	2650.8
	INCOUNT WE THIS HIS CHILD TO IN TEVEL	in	104.4
U	Max. discharge angle from horizontal	deg	54
	max. discharge angle from horizontal	rad	0.9



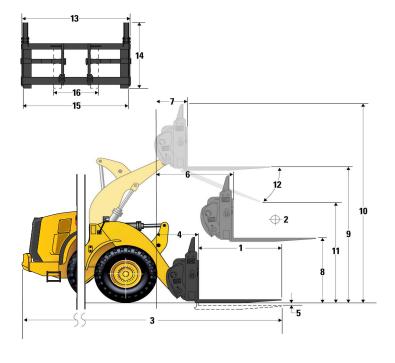
Capacity (kg) (Calculated Load at CG Point)

(Calculated Load at CG Point)



Log & Lumber Fork - 48" No TC, Pin-On

1	Tine Length	mm in	1219 48.0
		mm	610
2	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	11273
	Static Tipping Load - Straight (Forks Lever)	lbs	24845
	Static Tipping Load - Articulated (Forks Level)	kg	9774
	otatio ripping zoda i rittodiatoa (i onto zoroi)	lbs	21541
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	4887 10770
		kg	5864
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	12925
	B + 11	kg	7819
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	17233
3	Maximum Overall Length	mm	8553
3	Maximum Overali Lerigin	in	336.7
4	Reach with Forks at Ground Level	mm	1107
	Trouble main onto at ordana zoron	in	43.6
5	Ground to Top of Tine at Minimum Height and Fork Level	mm	-6 -0.2
		in mm	-0.2 1661
6	Reach with Arms Horizontal and Forks Level	in	65.4
		mm	924
7	Reach with Fork at Maximum Height	in	36.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1860
0	Ground to Top or Tine with Arms Horizontal and Fork Level	in	73.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3821
	ordana to rop or time at waximam ridigint and ronk Edver	in	150.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5357
	· · · · · · · · · · · · · · · · · · ·	in mm	210.9 2710
11	Clearance at Full Lift and Max Dump	in	106.7
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm	2470
13	Overall Carriage Wilder	in	97.3
14	Overall Carriage Height	mm	1601
		in	63.0 2366
15	Outside Tine Width (max spread)	mm in	93.1
	· · · ·	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	The MC-ML (check the)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	kg	10500
	Time dupatity	lbs	23142
	Operating Weight	kg	19024
		lbs	41930



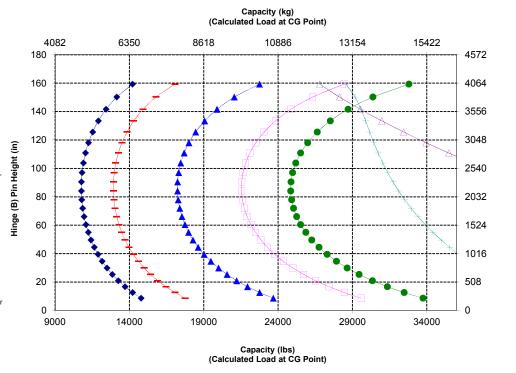


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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.

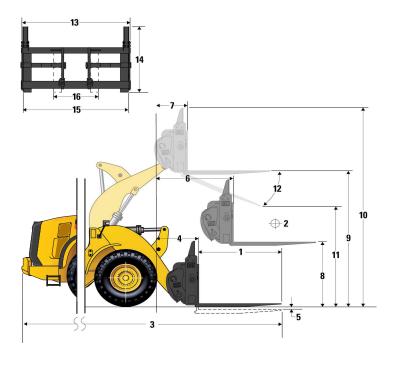
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization

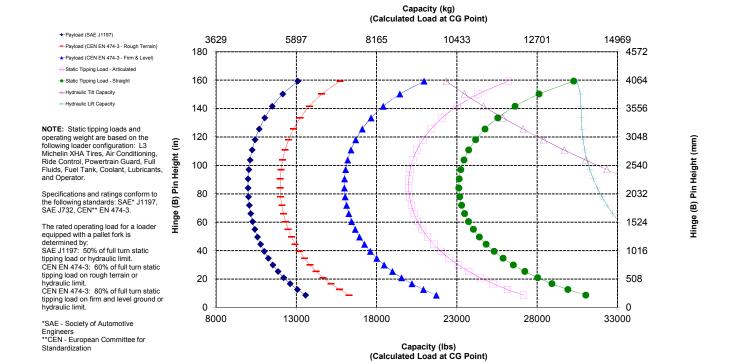


Hinge (B) Pin Height (mm)

Log & Lumber Fork - 60" No TC, Pin-On

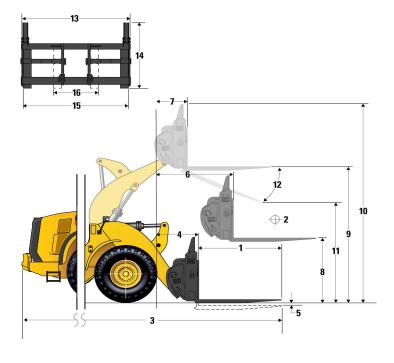
1	Tine Length	mm	1524
		in mm	60.0 762
2	Load Center	in	30.0
	Otalia Tiralia a Land. Obsidat (Forta Land)	kg	10488
	Static Tipping Load - Straight (Forks Level)	lbs	23116
	Static Tipping Load - Articulated (Forks Level)	kg	9070
	Otatic Tipping Load - Articulated (Forks Level)	lbs	19990
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4535
		lbs	9995 5442
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	11994
		kq	7256
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	15992
_	Mandagora Occasilla es ett	mm	8900
3	Maximum Overall Length	in	350.4
4	Reach with Forks at Ground Level	mm	1149
-	Reach with Lorks at Glound Level	in	45.2
5	Ground to Top of Tine at Minimum Height and Fork Level	mm	19
_	Croana to rop or rate at minimum riolynt and roth 2010.	in	0.8
6	Reach with Arms Horizontal and Forks Level	mm	1686
_		in mm	66.4 949
7	Reach with Fork at Maximum Height	in	37.4
		mm	1885
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	74.2
_	0 11 7 17 11 1 11 1 1 1 1 1	mm	3846
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5357
10	Overall Fleight of Fork at Full Lift (top of carriage to ground)	in	210.9
11	Clearance at Full Lift and Max Dump	mm	2473
		in	97.4
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm in	2470 97.3
		mm	1601
14	Overall Carriage Height	in	63.0
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
40	Outside Tire (Midth (sein annead)	mm	1002
10	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Time Wider (originalitie)	in	7.1
	Tine Thickness	mm	90.0
	100-100-00	in	3.5
	Tine Capacity	kg	15906
	. ,	lbs kg	35057 19225
	Operating Weight	lbs	42373
		เมอ	+2013





Log & Lumber Fork - 72" No TC, Pin-On

Static Tipping Load - Articulated (Forks Level)		<u> </u>		
2	1	Tine Length		
Static Tipping Load - Straight (Forks Level) kg 9959 1955				
Static Tipping Load - Straight (Forks Level) Ibs 21951 Static Tipping Load - Articulated (Forks Level) Ibs 18963 Rated Load (SAE J1197 - 50% FTSTL) Ibs 9481 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Ibs 11372 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15177 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15177 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15177 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 15170 A	2	Load Center		
Static Tipping Load - Articulated (Forks Level) Ibs 8604 Ibs 1895 1		Static Tipping Load Straight (Forks Lovel)	kg	9959
Static Tipping Load - Articulated (Forks Level) Ibs 1896 Rated Load (SAE J1197 - 50% FTSTL) Ibs 9481 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) Ibs 1514 Ins 1524 Ins		Static Tipping Load - Straight (Forks Level)		21951
Rated Load (SAE J1197 - 50% FTSTL)		Static Tipping Load - Articulated (Forks Level)		
Rated Load (SAE J1197 - 50% FTSTL) Ibs 9481 Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) kg 5162 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 688 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 688 3 Maximum Overall Length mm 9205 4 Reach with Forks at Ground Level mm 1149 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19 6 Reach with Arms Horizontal and Forks Level mm 166.4 7 Reach with Fork at Maximum Height mm 185 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 74.2 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 3846 11 Clearance at Full Lift and Max Dump mm 2470 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width in 63.0 15 Outside Tine Width (max spread) in 39.3 16 Outside Tine Width (min spread) <td< td=""><td></td><td>Ctate Tipping 2000 Titlodiated (Forte 2010)</td><td></td><td></td></td<>		Ctate Tipping 2000 Titlodiated (Forte 2010)		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		Rated Load (SAE J1197 - 50% FTSTL)		
Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL) lbs 11378 Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 6883 3 Maximum Overall Length in 362.4 4 Reach with Forks at Ground Level mm 1149 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19 6 Reach with Arms Horizontal and Forks Level in 68.4 7 Reach with Fork at Maximum Height in 61.6 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 199.4 9 Ground to Top of Tine at Maximum Height and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level mm 336.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 2255 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Height in 97.3 14 Overall Carriage Height in 97.3 15 Outside Tine Width (max spread) in 39.4 16 Outside Tine Width (min spread) in<				
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL) kg 683 3 Maximum Overall Length mm 9205 4 Reach with Forks at Ground Level mm 1149 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19.8 6 Reach with Arms Horizontal and Forks Level mm 949 7 Reach with Fork at Maximum Height mm 19.8 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1885 9 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 74.2 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 19.1 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width in 97.3 14 Overall Carriage Height in 63.0 15 Outside Tine Width (max spread) in 93.3 16 Outside Tine Width (min spread) in 39.4 Tine Capacity kg 120.0		Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)		
Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F1S1L) Ibs 1517C mm 9205 mm 9205 mm 9205 mm 1514 4 Reach with Forks at Ground Level in 45.2 mm 145.2 5 Ground to Top of Tine at Minimum Height and Fork Level in 0.8 mm 1686 Reach with Arms Horizontal and Forks Level in 66.4 mm 1686 mm 64.2 mm 1686 mm 64.2 mm 1825		· · · · · · · · · · · · · · · · · · ·		
3 Maximum Overall Length mm 9205 in 362.4 4 Reach with Forks at Ground Level mm 1149 in 45.2 5 Ground to Top of Tine at Minimum Height and Fork Level mm 19 in 0.8 6 Reach with Arms Horizontal and Forks Level in 66.4 7 Reach with Fork at Maximum Height mm 1895 in 37.3 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1885 in 74.2 9 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 in 74.2 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 3364 in 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 2305 in 88.8 11 Clearance at Full Lift and Max Dump mm 2470 in 97.3 12 Max Discharge Angle from Horizontal deg 46 deg 46 13 Overall Carriage Width in 63.0 in 63.0 in 63.0 15 Outside Tine Width (max spread) in 39.4 in 39.1 16 Outside Tine Width (min spread) in 39.1 in 39		Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)		
Reach with Forks at Ground Level	_			
4 Reach with Forks at Ground Level in one of Time at Minimum Height and Fork Level 45.2 mm mm one of 19.8 mm 5 Ground to Top of Tine at Minimum Height and Fork Level in one of 6.4 mm 0.8 mm 6 Reach with Arms Horizontal and Forks Level in one of 6.4 mm 949 mm 7 Reach with Fork at Maximum Height mm 1885 mm 8 Ground to Top of Time with Arms Horizontal and Fork Level in one of 7.42 mm 3846 mm 9 Ground to Top of Time at Maximum Height and Fork Level in one of 557 mm 3846 mm 10 Overall Height of Fork at Full Lift (top of carriage to ground) in one of 557 mm 215.1 mm 11 Clearance at Full Lift and Max Dump mm 2255 mm 88.8 12 Max Discharge Angle from Horizontal deg 46 mm 46 13 Overall Carriage Width in one of 30 mm 97.3 mm 16 14 Overall Carriage Height in one of 30 mm 10 mm 2366 mm 10 mm 10 mm 16 mm 10 mm<	3	Maximum Overall Length	in	362.4
11	_	Death with Federal Occupations	mm	1149
5 Ground to Top of Tine at Minimum Height and Fork Level in of 6.4 mm 0.8 mm 1686 in 66.4 mm 7 Reach with Fork at Maximum Height mm 1885 in 37.3 mm 37.3 mm 1885 in 7.42 mm	4	Reach with Forks at Ground Level	in	45.2
Reach with Arms Horizontal and Forks Level	5	Ground to Top of Tipe at Minimum Height and Fork Level	mm	19
6 Reach with Arms Horizontal and Forks Level in 949 in 37.3 7 Reach with Fork at Maximum Height mm 949 in 37.3 8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1886 in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level mm 5367 in 210.9 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 2255 in 88.8 11 Clearance at Full Lift and Max Dump mm 2255 in 88.8 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2476 in 97.3 46 14 Overall Carriage Height mm 1601 in 63.0 16 15 Outside Tine Width (max spread) mm 2366 in 93.1 17 16 Outside Tine Width (min spread) mm 1002 in 39.4 180.0 Tine Width (single tine) mm 93.0 180.0 180.0 Tine Capacity kg 12600 lbs 2777t 180.0 180.0 Operation Weight kg 19287	<u> </u>	Ground to Top of Time at William Theight and Tork Level		
Reach with Fork at Maximum Height	6	Reach with Arms Horizontal and Forks Level		
7 Reach with Fork at Maximum Height in 37.3 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 74.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5357 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 160 15 Outside Tine Width (max spread) mm 2366 16 Outside Tine Width (min spread) in 39.1 Tine Width (single tine) mm 180.0 Tine Thickness in 3.5 Tine Capacity kg 1260 Operation Weight kg 1260		Treadil Will 7 tille Florizonial and Forke Edver		
8 Ground to Top of Tine with Arms Horizontal and Fork Level mm 1885 9 Ground to Top of Tine at Maximum Height and Fork Level mm 3846 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5351 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 63.0 15 Outside Tine Width (max spread) mm 1002 16 Outside Tine Width (min spread) in 39.1 Tine Width (single tine) mm 180.0 Tine Thickness in 3.5 Tine Capacity kg 1200.0 Operation Weight kg 19287	7	Reach with Fork at Maximum Height		
8 Ground to Top of Tine with Arms Horzontal and Fork Level in 7.4.2 7.4.2 9 Ground to Top of Tine at Maximum Height and Fork Level in 151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) in 210.9 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 63.0 15 Outside Tine Width (max spread) mm 2366 16 Outside Tine Width (min spread) in 39.4 Tine Width (single tine) in 7.1 Tine Thickness in 3.5 Tine Capacity kg 1260 Operation Weight kg 19287				
9 Ground to Top of Tine at Maximum Height and Fork Level mm in 151.4 (in 151.4 mm) 3846 (in 151.4 mm) 3857 (in 210.9 mm) 2357 (in 210.9 mm) 2357 (in 210.9 mm) 2255 (in 88.8 mm) 2365 (in 97.3 mm) 2361 (in 97.3 mm) 2361 (in 97.3 mm) 2366 (in 93.1 mm) 2360 (in 93.1 mm)	8	Ground to Top of Tine with Arms Horizontal and Fork Level		
151.4 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5357 in 210.9 11 Clearance at Full Lift and Max Dump mm 2255 in 88.8 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width in 97.3 14 Overall Carriage Height in 63.0 in 63.0 in 63.0 15 Outside Tine Width (max spread) mm 1002 in 39.1 16 Outside Tine Width (min spread) in 93.1 17 Tine Width (single tine) in 7.1 17 Tine Thickness in 3.5 17 Tine Capacity lbs 27777 Operation Weight 19287 19				
10 Overall Height of Fork at Full Lift (top of carriage to ground)	9	Ground to Top of Tine at Maximum Height and Fork Level		
10 Overall Height of Fork at Full Lift (top of carriage to ground) in 210,9 11 Clearance at Full Lift and Max Dump mm 2255 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 2470 14 Overall Carriage Height mm 160,1 15 Outside Tine Width (max spread) mm 100,2 16 Outside Tine Width (min spread) mm 100,2 Tine Width (single tine) in 7,1 Tine Thickness in 3,5 Tine Capacity kg 1260,0 Operation Weight kg 19287				
11 Clearance at Full Lift and Max Dump in 88.8 12 Max Discharge Angle from Horizontal deg 46 13 Overall Carriage Width mm 24 deg 14 Overall Carriage Height mm 1601 15 Outside Tine Width (max spread) mm 2366 16 Outside Tine Width (min spread) mm 100 Tine Width (single tine) mm 180.0 Tine Thickness in 3.5 Tine Capacity kg 12600 Operation Weight kg 19287	10	Overall Height of Fork at Full Lift (top of carriage to ground)		210.9
12 Max Discharge Angle from Horizontal deg 46	44	Clearence of Full Lift and May Duran	mm	2255
13 Overall Carriage Width	77	Clearance at Full Lift and Max Dump	in	88.8
13 Overall Carriage Width in 97.3 14 Overall Carriage Height in 63.0 15 Outside Tine Width (max spread) in 93.1 16 Outside Tine Width (min spread) in 39.4 Tine Width (single tine) in 7.1 Tine Thickness in 3.5 Tine Capacity kg 1260 Operation Weight kg 19287	12	Max Discharge Angle from Horizontal	deg	46
14 Overall Carriage Height mm 1601 mm 1601 mm 2366 mm 2366 mm 1601 mm 2366 mm 2366 mm 2366 mm 2366 mm 1002 mm 1002 mm 1002 mm 180.0 mm 180.0		Occasill Occasions Mildle	mm	2470
14 Overall Carriage Height in 63.0 15 Outside Tine Width (max spread) mm 23.1 16 Outside Tine Width (min spread) mm 100.2 Tine Width (single tine) in 7.1 Tine Thickness in 9.5 Tine Capacity kg 1260. Operation Weight kg 19287.	13	Overali Carriage width	in	97.3
15 Outside Tine Width (max spread)	14	Overall Carriage Height		
15 Outside line Width (max spread) in 93.1 16 Outside Tine Width (min spread) in 39.4 Tine Width (single tine) mm 180.0 Tine Thickness mm 90.0 Tine Thickness in 3.5 Tine Capacity kg 12600 Operation Weight kg 19287		Overall Carriage Fieigrit		
16 Outside Tine Width (min spread)	15	Outside Tine Width (max spread)		
16 Outside Tine Width (min spread) in 39,4 Tine Width (single tine) mm 180.0 Tine Thickness mm 9,3.5 Tine Capacity kg 12600 Operation Weight kg 19287		Tables and the trian opious,		
Tine Width (single tine) mm 188.0 in 7.1 Tine Thickness in 3.5 Tine Capacity lbs 27770 Operation Weight mi 99.0 in 3.5 489 12600 bs 27770 Operation Weight	16	Outside Tine Width (min spread)		
Tine Width (single tine) in 7.1		· · · · · ·		
Tine Thickness mm in 3.5 street 90.0 in 3.5 street Tine Capacity kg 12600 street Operating Weight kg 19287		Tine Width (single tine)		
Tine Inickness in 3.5 Tine Capacity kg 12600 Operating Weight kg 19287				
Tine Capacity		Tine Thickness		
Operating Weight kg 19287		T. 0 "		12600
		Tine Capacity		27770
Operating Weight lbs 42509		Operating Weight	kg	19287
		Operating weight	lbs	42509

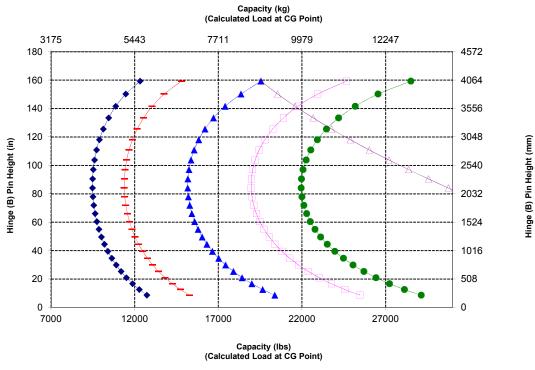




Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

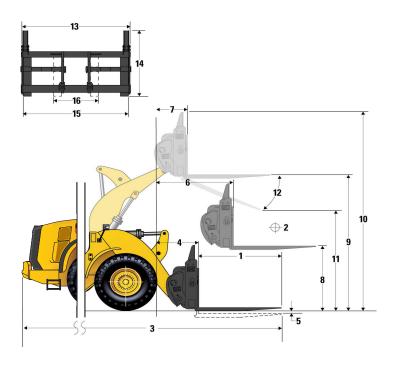
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and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

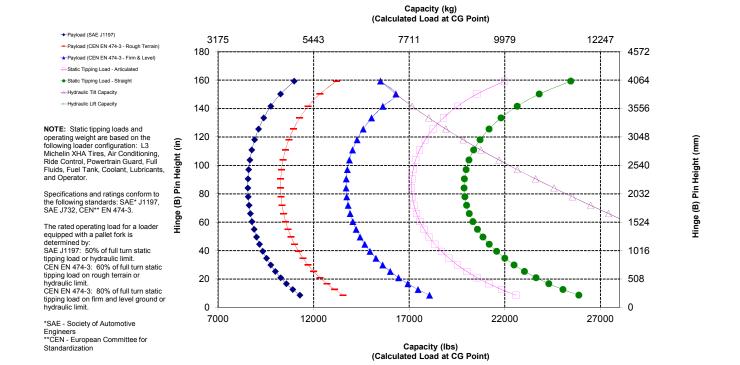
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization



Log & Lumber Fork - 96" No TC, Pin-On

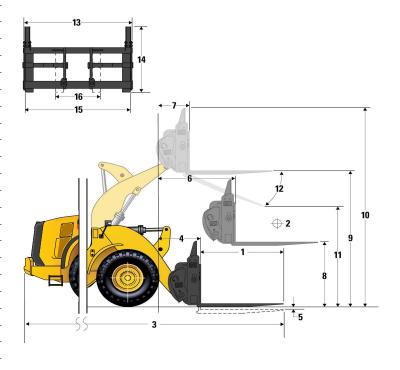
1	Tine Length	mm in	2438 96.0
		mm	1219
2	Load Center	in	48.0
	0 T	kg	9014
	Static Tipping Load - Straight (Forks Level)	lbs	19866
	Static Tipping Load - Articulated (Forks Level)	kg	7768
	Static Tipping Load - Articulated (Forks Level)	lbs	17121
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3884
	Traced Educa (Grie 91107 - 00701 1012)	lbs	8560
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4661
	· · · · · · · · · · · · · · · · · · ·	lbs	10273
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6215 13697
	· · · · · · · · · · · · · · · · · · ·	mm	9814
3	Maximum Overall Length	in	386.4
		mm	1149
4	Reach with Forks at Ground Level	in	45.3
_		mm	19
5	Ground to Top of Tine at Minimum Height and Fork Level	in	0.8
_		mm	1686
6	Reach with Arms Horizontal and Forks Level	in	66.4
-	Deach with Early of Marrian von Heinhi	mm	949
7	Reach with Fork at Maximum Height	in	37.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1885
0	Ground to Top of Time with Arms Horizontal and Fork Level	in	74.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3846
	Ordana to Top of Time at Maximum Fleight and Tork Edver	in	151.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5357
		in	210.9 1817
11	Clearance at Full Lift and Max Dump	mm in	71.5
	<u> </u>	111	71.5
12	Max Discharge Angle from Horizontal	deg	46
13	Overall Carriage Width	mm	2470
13	Overall Carnage Width	in	97.3
14	Overall Carriage Height	mm	1601
• •	everall carriage risign	in	63.0
15	Outside Tine Width (max spread)	mm	2366
		in mm	93.1 1002
16	Outside Tine Width (min spread)	in	39.4
	. , ,	mm	180.0
	Tine Width (single tine)	in	7.1
		mm	90.0
	Tine Thickness	in	3.5
		kg	10100
	Tine Capacity	lbs	22260
	On a service on Wasterland	kg	19415
	Operating Weight	lbs	42791





Log & Lumber Fork – 48" No TC, Fusion

1	Tine Length	mm in	1219 48.0
2	Load Center	mm	610
	Load Center	in	24.0
	Static Tipping Load - Straight (Forks Level)	kg	10597
	Claire Tipping Load Chargin (Tomo Loto)	lbs	23357
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	9142 20149
		kg	4571
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	10074
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	5485
	Rated Load (CEN EN 474-3 Rough Terrain - 60% F151L)	lbs	12089
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	7313
		lbs mm	16119 8645
3	Maximum Overall Length	in	340.4
		mm	1199
4	Reach with Forks at Ground Level	in	47.2
5	Ground to Top of Tine at Minimum Height and Fork Level	mm	-4
	Ground to Top or Tine at Willimum Height and Fork Level	in	-0.1
6	Reach with Arms Horizontal and Forks Level	mm	1755
_	Trouble William Tonicontal and Tonic Editor	in	69.1
7	Reach with Fork at Maximum Height	mm in	1018 40.1
	•	mm	1862
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	73.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3823
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5359
	e voices i losgiste es s'esta de l'assessit (top es des rage te greatia)	in	211.0 2579
11	Clearance at Full Lift and Max Dump	mm in	101.6
_			
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2176
-13	Overall Carriage Width	in	85.7
14	Overall Carriage Height	mm	1601 63.0
	•	in mm	2084
15	Outside Tine Width (max spread)	in	82.0
40	Outside Tine (Midth (sein annead)	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	(- 🔾)	in	7.1
	Tine Thickness	mm in	65.0 2.6
		kg	10500
	Tine Capacity	lbs	23142
_	On austing Weight	kg	19507
	Operating Weight	lbs	42994





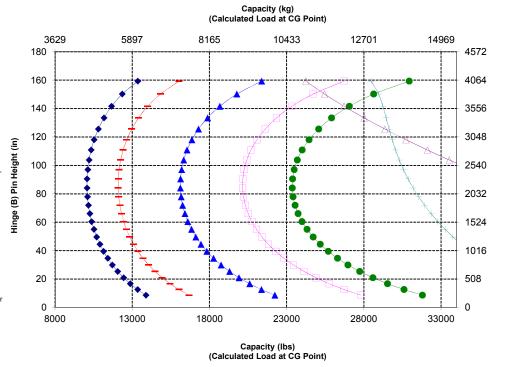
- Payload (CEN EN 474-3 Rough Terrain)
- -▲-Payload (CEN EN 474-3 Firm & Level)
 ----Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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.

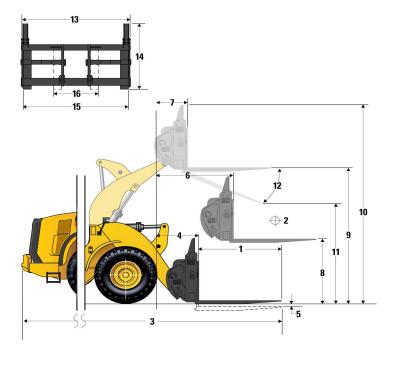
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Hinge (B) Pin Height (mm)

Log & Lumber Fork – 60" No TC, Fusion

1	Tine Length	mm in	1524 60.0
_	Local Oceanies	mm	762
2	Load Center	in	30.0
	Static Tipping Load - Straight (Forks Level)	kg	9864
	Otatio Tipping Load Otalight (Folio Level)	lbs	21740
	Static Tipping Load - Articulated (Forks Level)	kg Ibs	8484 18699
		kq	4242
	Rated Load (SAE J1197 - 50% FTSTL)	lbs	9350
	Detect Level (OFN FN 474 0 Devel Terreir 200) (FTOTI)	kg	5091
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11220
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6787
	Nated Load (OLIV LIV 474-51 IIIII and Level Gloding - 00 /// 1 To 12)	lbs	14959
3	Maximum Overall Length	mm	8993
		in mm	354.0 1242
4	Reach with Forks at Ground Level	in	48.9
		mm	21
5	Ground to Top of Tine at Minimum Height and Fork Level	in	0.8
_	Death with Associated and Enthaland	mm	1780
6	Reach with Arms Horizontal and Forks Level	in	70.1
7	Reach with Fork at Maximum Height	mm	1043
	Neach with Fork at Maximum Fleight	in	41.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1887
		in mm	74.3 3848
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.5
		mm	5359
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	211.0
11	Clearance at Full Lift and Max Dump	mm	2327
- 11	Clearance at Full Lift and Max Dump	in	91.6
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm	2176
		in mm	85.7 1601
14	Overall Carriage Height	in	63.0
		mm	2084
15	Outside Tine Width (max spread)	in	82.0
	Outside The Middle (sein server)	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Time Water (offigie time)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5 15906
	Tine Capacity	kg Ibs	35057
		kg	19708
	Operating Weight	lbs	43437



Hinge (B) Pin Height (mm)

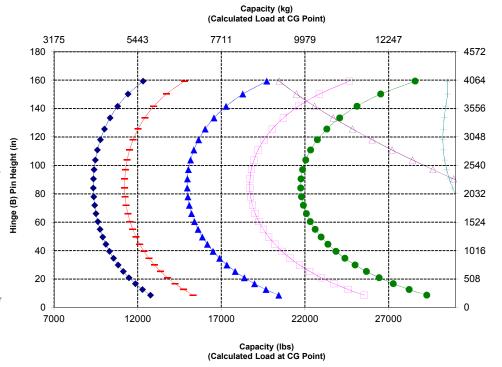


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

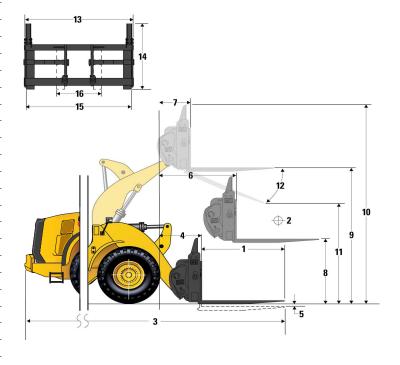
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

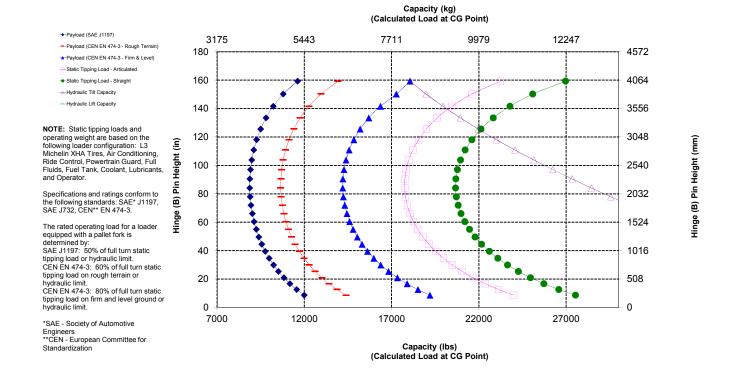
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Log & Lumber Fork - 72" No TC, Fusion

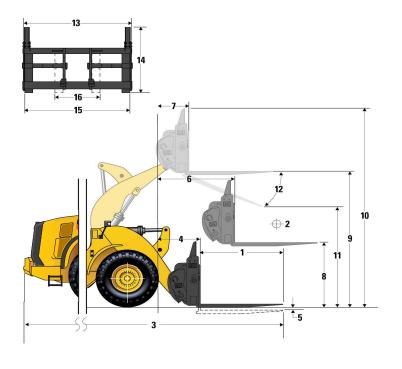
1	Tine Length	mm in	1829 72.0
	*	mm	915
2	Load Center	in	36.0
	0. (. T	kg	9374
	Static Tipping Load - Straight (Forks Level)	lbs	20659
	Static Tipping Load - Articulated (Forks Level)	kg	8054
	Static Tipping Load - Articulated (Forks Level)	lbs	17750
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4027
	Trailed Edda (G/IE 01101 GG/61 TGTE)	lbs	8875
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4832
	((lbs	10650 6443
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	14200
		mm	9298
3	Maximum Overall Length	in	366.0
		mm	1242
4	Reach with Forks at Ground Level	in	48.9
_	One and to Tax of The and Michael Height and Foot Land	mm	21
5	Ground to Top of Tine at Minimum Height and Fork Level	in	0.8
6	Reach with Arms Horizontal and Forks Level	mm	1780
ь	Reach with Arms Horizontal and Forks Level	in	70.1
7	Reach with Fork at Maximum Height	mm	1043
	reach with Fork at Maximum Fleight	in	41.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1887
	ordana to rop or time many time rionzontal and rom zover	in	74.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3848
		in	151.5 5359
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	211.0
		mm	2093
11	Clearance at Full Lift and Max Dump	in	82.4
12	Max Discharge Angle from Horizontal	deg	50
40	Overell Comings Width	mm	2176
13	Overall Carriage Width	in	85.7
14	Overall Carriage Height	mm	1601
	Overall Carriage Freight	in	63.0
15	Outside Tine Width (max spread)	mm	2084
	(··········)	in	82.0
16	Outside Tine Width (min spread)	mm in	1002 39.4
	<u> </u>	mm	180.0
	Tine Width (single tine)	in	7.1
		mm	90.0
	Tine Thickness	in	3.5
	T. 0 "	kg	12600
	Tine Capacity	lbs	27770
	On exeting Weight	kg	19770
	Operating Weight	lbs	43574





Log & Lumber Fork - 96" No TC, Fusion

1	Tine Length	mm in	2438 96.0
		mm	1219
2	Load Center	in	48.0
	Ctatic Timeins Lond Ctanisht (Fortro Level)	kg	8493
	Static Tipping Load - Straight (Forks Level)	lbs	18719
	Static Tipping Load - Articulated (Forks Level)	kg	7278
	Otatic Tipping Load - Articulated (Forks Level)	lbs	16041
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3639
	Trailed Edda (O/IE 01107 - 00/01 TOTE)	lbs	8020
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg	4367
	· · · · · · · · · · · · · · · · · · ·	lbs	9625
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	5822
	,	lbs mm	12833 9907
3	Maximum Overall Length	in	390.0
	<u> </u>	mm	1242
4	Reach with Forks at Ground Level	in	48.9
		mm	21
5	Ground to Top of Tine at Minimum Height and Fork Level	in	0.8
		mm	1781
6	Reach with Arms Horizontal and Forks Level	in	70.1
		mm	1043
7	Reach with Fork at Maximum Height	in	41.1
_	Oncord to Tan of The could have blocked and Fordal and	mm	1887
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	74.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm	3848
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5359
10	Overall neight of Fork at Full Lift (top of carnage to ground)	in	211.0
11	Clearance at Full Lift and Max Dump	mm	1626
	oledianoe at rail Ent and Max Bamp	in	64.0
12	Max Discharge Angle from Horizontal	deg	50
		mm	2176
13	Overall Carriage Width	in	85.7
	<u> </u>	mm	1601
14	Overall Carriage Height	in	63.0
		mm	2084
15	Outside Tine Width (max spread)	in	82.0
	- · · · - · · · · · · · · · · · · · · ·	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	The AMERICA (should the A)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
	THE THICKHESS	in	3.5
	Tine Conseity	kg	10100
	Tine Capacity	lbs	22260
	Operating Weight	kg	19898
	Operating weight	lbs	43856



Hinge (B) Pin Height (mm)



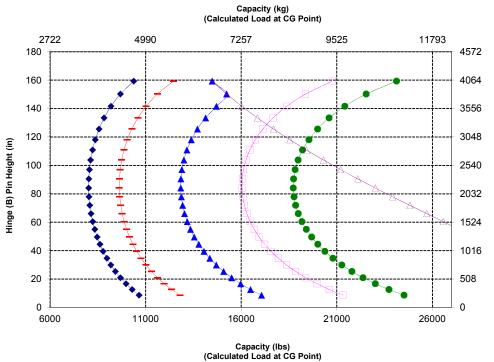
- -Payload (CEN EN 474-3 Rough Terrain)
- → Payload (CEN EN 474-3 Firm & Level) - Static Tipping Load - Articulated
- -Static Tipping Load Straight
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

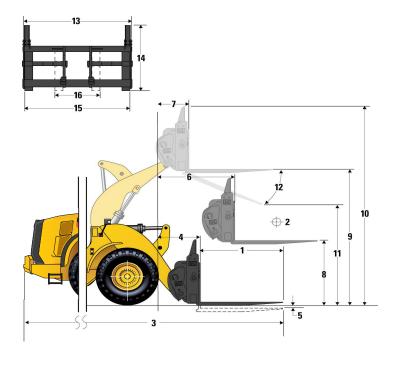
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain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

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Log & Lumber Fork – 48" No TC, Fusion

1	Tine Length	mm in	1219 48.0
		mm	610
2	Load Center	in	24.0
	Otalia Timina Land Otaliaht (Feder Land)	kg	10604
	Static Tipping Load - Straight (Forks Level)	lbs	23372
	Static Tipping Load - Articulated (Forks Level)	kg	9146
	Otatio Tipping Load - 7 titodiated (1 offic Level)	lbs	20157
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4573
		lbs	10079
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	5488 12094
	<u> </u>	kg	7317
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	16126
		mm	8639
3	Maximum Overall Length	in	340.1
	Described the Forder of Consort Level	mm	1193
4	Reach with Forks at Ground Level	in	47.0
5	Ground to Top of Tine at Minimum Height and Fork Level	mm	-4
5	Ground to Top or Time at William Height and Fork Level	in	-0.1
6	Reach with Arms Horizontal and Forks Level	mm	1749
Ů	Neach with Annis Honzontal and Forks Level	in	68.9
7	Reach with Fork at Maximum Height	mm	1012
•	Trouble Hill Fork at Maximum Florger	in	39.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm	1862
	·	in mm	73.3 3823
9	Ground to Top of Tine at Maximum Height and Fork Level	in	150.5
		mm	5362
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	211.1
	0	mm	2584
11	Clearance at Full Lift and Max Dump	in	101.7
12	Max Discharge Angle from Horizontal	deg	50
12	Wax Discharge Arigic Iron Florizontal		
13	Overall Carriage Width	mm	2470
	overall carriage vitali	in	97.3
14	Overall Carriage Height	mm in	1603 63.1
		mm	2366
15	Outside Tine Width (max spread)	in	93.1
		mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Middle (single tine)	mm	180.0
	Tine Width (single tine)	in	7.1
	Tine Thickness	mm	65.0
	THE THICKNESS	in	2.6
	Tine Capacity	kg	10500
	Time dapasity	lbs	23142
	Operating Weight	kg	19527
		lbs	43038





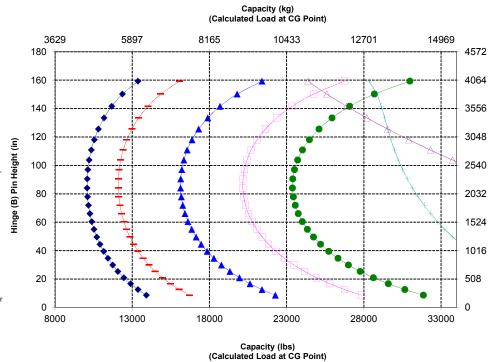
- Payload (CEN EN 474-3 Rough Terrain)
- -▲-Payload (CEN EN 474-3 Firm & Level)
 ----Static Tipping Load Articulated
- -Static Tipping Load Straight
- Hydraulic Tilt Capacity
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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.

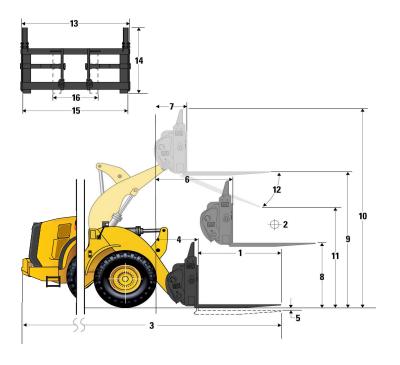
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization



Hinge (B) Pin Height (mm)

Log & Lumber Fork – 60" No TC, Fusion

1	Tine Length	mm in	1524 60.0
	· · · · · · · · · · · · · · · · · · ·	mm	762
2	Load Center	in	30.0
	Ctatia Tinning Load Ctuninht (Fords Lovel)	kg	9869
	Static Tipping Load - Straight (Forks Level)	lbs	21752
	Static Tipping Load - Articulated (Forks Level)	kg	8487
	Otatio Tipping Load Thiodiated (Forto Level)	lbs	18706
	Rated Load (SAE J1197 - 50% FTSTL)	kg	4244
		lbs kg	9353 5092
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	11224
		kg	6790
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	14965
_		mm	8993
3	Maximum Overall Length	in	354.0
4	Reach with Forks at Ground Level	mm	1242
4	Reach with Forks at Ground Level	in	48.9
5	Ground to Top of Tine at Minimum Height and Fork Level	mm	21
	Ground to Top of Time at William Fleight and Fork Level	in	0.8
6	Reach with Arms Horizontal and Forks Level	mm	1780
	Troadil Mail / Millo Fronzontal and Forno Zovor	in	70.1
7	Reach with Fork at Maximum Height	mm	1043 41.1
		in mm	1887
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	74.3
		mm	3848
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.5
	0	mm	5362
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	211.1
11	Clearance at Full Lift and Max Dump	mm	2327
• • •	Clearance at 1 dil Elit and Max Dunip	in	91.6
12	Max Discharge Angle from Horizontal	deg	50
		mm	2470
13	Overall Carriage Width	in	97.3
_		mm	1603
14	Overall Carriage Height	in	63.1
4-	Outside Time Middle (see a see al)	mm	2366
15	Outside Tine Width (max spread)	in	93.1
16	Outside Tine Width (min spread)	mm	1002
10	Outside Title Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	(g-2 4110)	in	7.1
	Tine Thickness	mm in	90.0
			3.5 15906
	Tine Capacity	kg Ibs	35057
		kg	19728
	Operating Weight	lbs	43481



Hinge (B) Pin Height (mm)



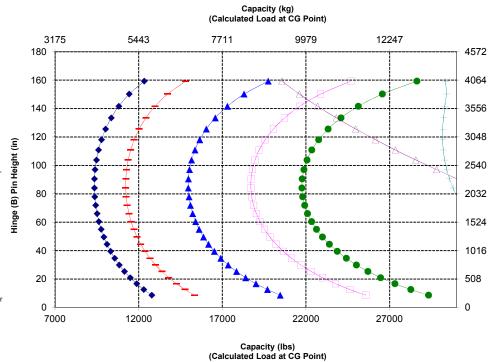
- Payload (CEN EN 474-3 Rough Terrain)
- -▲-Payload (CEN EN 474-3 Firm & Level)
 ----Static Tipping Load Articulated
- -Static Tipping Load Straight
- --- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

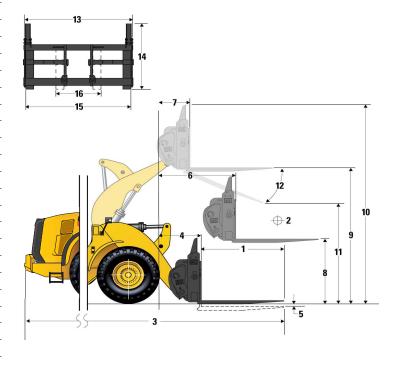
The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and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

*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization



Log & Lumber Fork - 72" No TC, Fusion

1	Tine Length	mm	1829
	Time Length	in	72.0
2	Load Center	mm in	915 36.0
		kg	9378
	Static Tipping Load - Straight (Forks Level)	lbs	20670
	Static Tipping Load - Articulated (Forks Level)	kg	8056
	Otatic Tipping Load - Articulated (Forks Level)	lbs	17755
	Rated Load (SAE J1197 - 50% FTSTL)	kg Ibs	4028 8877
	,	kq	4833
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	lbs	10653
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg	6445
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F151L)	lbs	14204
3	Maximum Overall Length	mm	9298
		in mm	366.1 1242
4	Reach with Forks at Ground Level	in	48.9
_	A 11 T (T 118)	mm	21
5	Ground to Top of Tine at Minimum Height and Fork Level	in	0.8
6	Reach with Arms Horizontal and Forks Level	mm	1780
	Reach with Airns Honzontal and Forks Level	in	70.1
7	Reach with Fork at Maximum Height	mm	1043
	<u> </u>	in mm	41.1 1887
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	74.3
_	Oncord to Tax of Tire at Manisona Height and East Land	mm	3848
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm	5362
	overall rieight of Fork at Fall Lift (top of barriage to ground)	in	211.1
11	Clearance at Full Lift and Max Dump	mm in	2093 82.4
12	Max Discharge Angle from Horizontal	deg	50
12	Overall Carriage Width	mm	2470
13	Overall Carriage Width	in	97.3
14	Overall Carriage Height	mm	1603
		in mm	63.1 2366
15	Outside Tine Width (max spread)	in	93.1
	Outside The Middle (selection of the	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	(3)	in	7.1 90.0
	Tine Thickness	mm in	3.5
		kg	12600
	Tine Capacity	lbs	27770
	Operating Weight	kg	19790
	Operating weight	lbs	43618





-Payload (CEN EN 474-3 - Rough Terrain)

- Static Tipping Load - Articulated

-Static Tipping Load - Straight

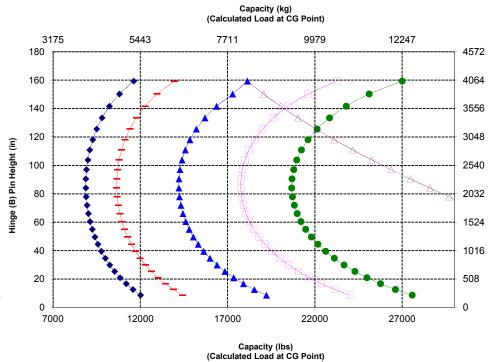
--- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: L3 Michelin XHA Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732, CEN** EN 474-3.

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 gran and level ground or tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and level ground or the static tipping load on gran and the static tipping load on gran and the static tipping load or the static tip tipping load on firm and level ground or hydraulic limit.

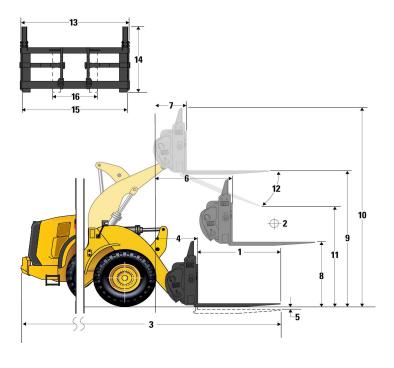
*SAE - Society of Automotive Engineers **CEN - European Committee for Standardization

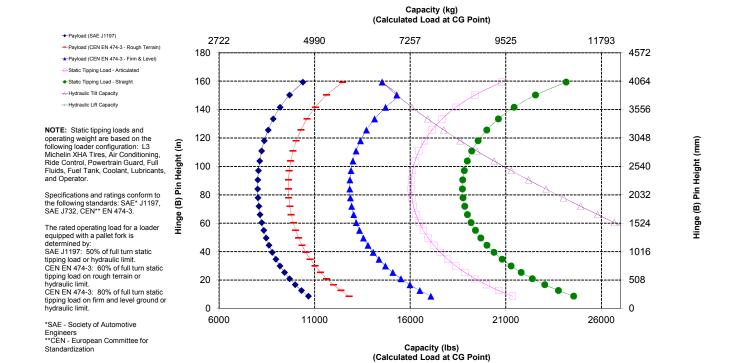


Hinge (B) Pin Height (mm)

Log & Lumber Fork – 96" No TC, Fusion

	<u> </u>		
1	Tine Length	mm in	2438 96.0
	•	mm	1219
2	Load Center	in	48.0
	Otable Theoline Lond Otable (Forder Lond)	kg	8496
	Static Tipping Load - Straight (Forks Level)	lbs	18726
	Static Tipping Load - Articulated (Forks Level)	kg	7279
	Otatic Tipping Load - Articulated (Forks Level)	lbs	16043
	Rated Load (SAE J1197 - 50% FTSTL)	kg	3640
		lbs	8022 4367
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg Ibs	9626
		kg	5823
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	lbs	12834
_		mm	9907
3	Maximum Overall Length	in	390.0
4	Reach with Forks at Ground Level	mm	1242
4	Reach with Forks at Ground Level	in	48.9
5	Ground to Top of Tine at Minimum Height and Fork Level	mm	21
	ordana to rop or time at minimum rioignt and ronk Eever	in	0.8
6	Reach with Arms Horizontal and Forks Level	mm	1781
_		in	70.1 1043
7	Reach with Fork at Maximum Height	mm in	41.1
	<u> </u>	mm	1887
8	Ground to Top of Tine with Arms Horizontal and Fork Level	in	74.3
_		mm	3848
9	Ground to Top of Tine at Maximum Height and Fork Level	in	151.5
40	Overall Height of Foul at Full Lift (top of comings to served)	mm	5362
10	Overall Height of Fork at Full Lift (top of carriage to ground)	in	211.1
11	Clearance at Full Lift and Max Dump	mm	1626
•••	ordination at 1 an Elit and max bamp	in	64.0
12	Max Discharge Angle from Horizontal	deg	50
13	Overall Carriage Width	mm in	2470
		mm	97.3 1603
14	Overall Carriage Height	in	63.1
_		mm	2366
15	Outside Tine Width (max spread)	in	93.1
40	Outside Tine (Midth (min annead)	mm	1002
16	Outside Tine Width (min spread)	in	39.4
	Tine Width (single tine)	mm	180.0
	Thie Width (single tine)	in	7.1
	Tine Thickness	mm	90.0
		in	3.5
	Tine Capacity	kg Ibs	10100 22260
	. ,	kg	19918
	Operating Weight	lbs	43900
		เมอ	+3500





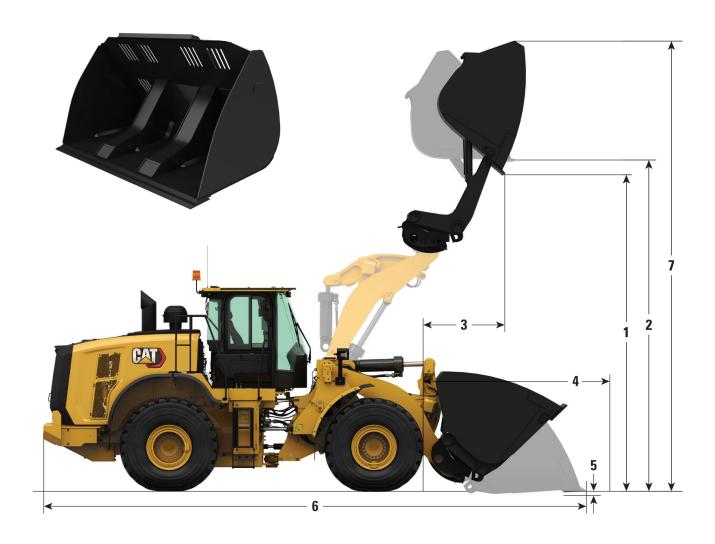
Woodchip Buckets – Pin-On and Fusion



Package				Logger		
Bucket Type		Pin	-On	Fus	ion	
Edge Type		Bolt-On Cutting Edges				
Capacity – Rated	m^3	9.2	9.9	9.2	9.9	
	yd^3	12.00	13.00	12.00	13.00	
Capacity – Rated at 110% Fill Factor	m^3	10.1	10.9	10.1	10.9	
	yd^3	13.25	14.25	13.25	14.25	
Width	mm	3330	3330	3330	3330	
	ft/in	10' 11"	10' 11"	10' 11"	10' 11"	
Dump Clearance at Maximum Lift and 45° Discharge	mm	2275	2201	2182	2178	
	ft/in	7' 5"	7' 2"	7' 1"	7' 1"	
Reach at Maximum Lift and 45° Discharge	mm	1903	1978	1997	2001	
	ft/in	6' 2"	6' 5"	6' 6"	6' 6"	
Reach at Level Lift Arm and Bucket Level	mm	3501	3607	3633	3639	
	ft/in	11' 5"	11' 10"	11' 11"	11' 11'	
Digging Depth	mm	84	84	84	84	
	ft/in	3.3"	3.3"	3.3"	3.3"	
Overall Length	mm	9137	9243	9269	9275	
	ft/in	29' 12"	30' 4"	30' 5"	30' 6"	
Overall Height with Bucket at Maximum Lift	mm	6279	6371	6337	6388	
	ft/in	20' 8"	20' 11"	20' 10"	20' 12"	
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7170	7206	7215	7217	
•	ft/in	23' 7"	23' 8"	23' 9"	23' 9"	
Static Tipping Load, Straight (ISO)	kg	12 193	12 118	10 884	10 935	
	lb	26,873	26,709	23,989	24,102	
Static Tipping Load, Straight (Rigid Tire)	kg	13 050	12 986	11 636	11 697	
	lb	28,763	28,622	25,646	25,780	
Static Tipping Load, Articulated (ISO)	kg	10 356	10 274	9172	9217	
	lb	22,824	22,645	20,216	20,315	
Static Tipping Load, Articulated (Rigid Tire)	kg	11 223	11 152	9938	9993	
	lb	24,737	24,580	21,905	22,024	
Breakout Force	kN	119	112	111	110	
	lbf	26,854	25,349	25,074	24,931	
Operating Weight	kg	20 395	20 487	21 030	20 991	
	lb	44,950	45,152	46,349	46,263	

Light Material High Dump Buckets

All dimensions are approximate.



Bucket Key Features

- High Dump bucket increases dump height 2.1 m (7'0") for largest size available on 950M
- High capacity available in Pin On, Fusion, or VCE coupler interface
- Ideal for low density and free flowing materials like wood chips and pellets
- Narrow tilt frame provides excellent cutting edge rigidity
- Adjustable windows provide a variety of configurations depending on the material being moved
- Requires 3rd valve hydraulics

Operating Specifications – Light Material High Dump Bucket

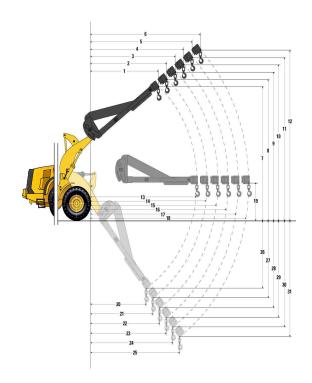
Pa	ackage					9	50M Logge	er			
Βι	ıcket Type			Pin On			Fusion			VCE-ISO	
Ed	lge Type		Bolt-On Cutting Edges								
	Capacity – Rated	m³	6.10	7.60	9.20	6.10	7.60	9.20	6.10	7.60	9.20
		yd³	8.00	10.00	12.00	8.00	10.00	12.00	8.00	10.00	12.00
	Capacity – Rated at	m^3	6.70	8.40	10.10	6.70	8.40	10.10	6.70	8.40	10.10
	110% Fill Factor	yd³	8.75	11.00	13.25	8.75	11.00	13.25	8.75	11.00	13.25
	Width	mm	3037	3350	3350	3037	3350	3350	3037	3350	3350
		ft/in	9'11"	10'11"	10'11"	9'11"	10'11"	10'11"	9'11"	10'11"	10'11"
1	Dump Clearance at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge	mm ft/in	4543 14'10"	4473 14'8"	4332 14'2"	4599 15'1"	4528 14'10"	4387 14'4"	4611 15'1"	4541 14'10"	4400 14'5"
2	Clearance at Max Lift, Max Rack, Bucket Rolled out to Level	mm ft/in	4969 16'3"	4969 16'3"	4969 16'3"	5025 16'5"	5025 16'5"	5025 16'5"	5038 16'6"	5038 16'6"	5038 16'6"
3	Reach at Max Lift, Max Rack, Bucket Rolled out to 45° Discharge	mm ft/in	1826 5'11"	1899 6'2"	2040 6'8"	1862 6'1"	1933 6'4"	2074 6'9"	1868 6'1"	1940 6'4"	2082 6'9"
4	Reach at Level Lift Arm and Bucket Level	mm	3372	3472	3672	3437	3537	3737	3452	3552	3752
_		ft/in	11'0"	11'4"	12'0"	11'3"	11'7"	12'3"	11'3"	11'7"	12'3"
5	Digging Depth	mm	59	59	59	59	59	59	59	59	59
_		ft/in	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"
6	Overall Length	mm	9011	9111	9311	9076	9176	9376	9091	9191	9391
_		ft/in	29'7"	29'11"	30'7"	29'10"	30'2"	30'10"	29'10"	30'2"	30'10"
7	Overall Height with Bucket at Max Height and Max Rack	mm	6843	6882	7034	6898	6937	7089	6911	6950	7102
		ft/in	22'5"	22'6"	23'0"	22'7"	22'9"	23'3"	22'8"	22'9"	23'3"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7001	7171	7239	7022	7192	7262	7025	7197	7267
		ft/in	23'0"	23'6"	23'9"	23'0"	23'7"	23'10"	23'1"	23'7"	23'10"
	Static Tipping Load, Straight (With Tire Deflection)*	kg	11 748	11 428	11 090	11 092	10 776	10 448	11 195	10 878	10 550
		1b	25,894	25,187	24,443	24,447	23,752	23,029	24,675	23,976	23,252
	Static Tipping Load, Straight	kg	12 577	12 256	11 923	11 903	11 587	11 262	12 003	11 685	11 360
	(No Tire Deflection)*	1b	27,719	27,012	26,278	26,234	25,538	24,822	26,455	25,755	25,039
	Static Tipping Load, Articulated	kg	9912	9603	9284	9284	8979	8670	9394	9087	8777
	(With Tire Deflection)*	lb	21,847	21,165	20,463	20,462	19,791	19,109	20,704	20,029	19,345
	Static Tipping Load, Articulated	kg	10 752	10 442	10 128	10 106	9802	9495	10 213	9906	9600
	(No Tire Deflection)*	1b	23,697	23,016	22,323	22,275	21,603	20,928	22,510	21,834	21,159
	Breakout Force	kN	133	124	111	127	119	107	126	118	106
		lbf	29,924	28,037	25,059	28,681	26,898	24,097	28,394	26,635	23872
	Operating Weight*	kg lb	20 893 46,047	21 122 46,552	21 295 46,933	21 459 47,295	21 689 47,801	21 861 48,181	21 238 46,807	21 468 47,314	21 641 47,696

^{*}Static tipping loads and operating weights shown are based on a machine configuration with Michelin 23.5R25 XHA2 L3 radial tires, full fluids, operator, Logger 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.

Material Handling Arm – Fusion

MHA Specifications		Retracted	Extension 1	Extension 2	Extension 3	Extension 4	Extended
May Life Heek Deech (4.2.2.4.5.6)	mm	2,270	2,409	2,548	2,687	2,826	2,965
Max Lift - Hook Reach (1, 2, 3, 4, 5, 6)	ft, in	7' 5"	7' 10"	8' 4"	8' 9"	9' 3"	9' 8"
	mm	6,873	7,144	7,416	7,687	7,958	8,230
Max Lift - Hook Height (7, 8, 9, 10, 11, 12)	ft, in	22' 6"	23' 5"	24' 3"	25' 2"	26' 1"	27' 0"
	mm	4,594	4,899	5,204	5,509	5,813	6,118
Level - Hook Reach (13, 14, 15, 16, 17, 18)	ft, in	15' 0"	16' 0"	17' 0"	18' 0"	19' 0"	20' 0"
Lavel Haalt Haink (40)	mm	1,854	1,854	1,854	1,854	1,854	1,854
Level - Hook Height (19)	ft, in	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"	6' 1"
AV. 1.76 11 1 D 1 1 (00 04 00 00 04 05)	mm	2,405	2,585	2,765	2,946	3,126	3,306
Min Lift - Hook Reach (20, 21, 22, 23, 24, 25)	ft, in	7' 10"	8' 5"	9' 0"	9' 7"	10' 3"	10' 10"
AV. 1.76 11 11 11 11 10 00 00 00 00 00 00	mm	(2,573)	(2,818)	(3,064)	(3,310)	(3,556)	(3,801)
Min Lift - Hook Height (26, 27, 28, 29, 30, 31)	ft, in	-8' 6"	-9' 9"	-10' 11"	-10' 1"	-11' 4"	-12' 6"
0.5.7	kg	6,347	6,002	5,692	5,411	5,156	4,923
Static Tipping Load, Straight	lb	13,989	13,229	12,544	11,926	11,363	10,850
	kg	5,496	5,196	4,926	4,682	4,461	4,258
Static Tipping Load, Articulated	lb	12,113	11,452	10,857	10,320	9,831	9,385
0 " " " "	kg	19,066	19,066	19,066	19,066	19,066	19,066
Operating Weight	lb	42,021	42,021	42,021	42,021	42,021	42,021



Payload Capacity (kg) (Calculated Load at CG Point)

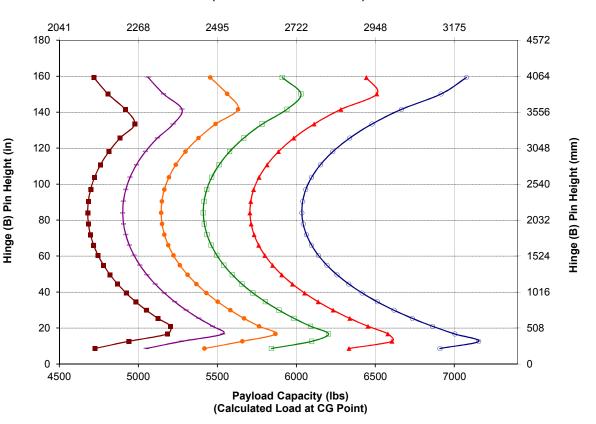


NOTE: Static tipping loads and operating weight are based on the following loader configuration: L-3 Michelin Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, SAE J732

The rated operating load for a loader equipped with a material handling arm is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

*SAE - Society of Automotive Engineers



950M Forestry Standard and Optional Equipment

Standard and Optional Equipment

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

	Standard	Optional
POWER TRAIN		
Axles, ecology drains	✓	
Axles, manually actuated differential lock front axle, open differential rear axle	✓	
Axles – automatic front/rear differential locks, axle oil cooler, extreme temperature seals, seal guards		✓
Brake wear indicators	✓	
Brakes, full hydraulic enclosed wet-disc with Integrated Braking System (IBS)	✓	
Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF) and Diesel Exhaust Fluid (DEF) tank and pump (Tier 4 Final/Stage V models)	✓	
Economy mode (selectable)	✓	
Engine, Cat C7.1 – Tier 3/Stage IIIA equivalent or Tier 4 Final/Stage V	✓	
Fan, radiator, electronically controlled, hydraulically driven, temperature sensing, on demand	✓	
Fan, VPF (variable pitch fan), automatic and manual control		✓
Fuel priming pump (electric)	✓	
Fuel/water separator	✓	
Parking brake, disc and caliper	✓	
Precleaner, engine air intake	✓	
Radiator, high debris, wide fin spacing		✓
Switch, transmission neutralizer lockout	✓	
Torque converter, locking clutch with free wheel stator	✓	
Transmission, automatic countershaft power shift (5F/3R)	✓	
CAT TECHNOLOGY		
Detect technologies: Rear vision camera Cat rear object detection	✓	√
Link technologies: Product Link VIMS	✓	√
Payload technologies: Cat Production Measurement 2.0 (Cat PM), Printer, Cat Production Measurement, Aggregate Autodig		√
Machine security system		✓

	Standard	Option
PERATOR ENVIRONMENT		
Air conditioner, heater, and defroster	✓	
(auto temp and fan)		
Beverage holders (2) with storage	\checkmark	
compartment for cell phone/MP3 player Bucket/work tool function lockout	./	
Cab access ladders and handrails		
Cab air filter	· /	
Cab, pressurized and sound suppressed	· /	
(ROPS/FOPS)	•	
Cab tie-off	✓	
Coat hook (2)	✓	
Cover, HVAC metallic		✓
Door, remote opening system		✓
EH controls, SAL (single axis lever) lift and tilt function	✓	
EH controls, joystick lift and tilt –		✓
additional integrated roller switches		
for 3 rd and 4 th functions		
EH controls, SAL 3 rd function – additional roller switch for 4 th function		V
EH parking brake	√	
Filter, carbon fresh air		√
Full time rear vision display Work Area		√
Vision System (WAVS)		
Horn, electric	✓	
Light, two dome (cab)	✓	
Mirrors, heated rearview external with integrated spot mirrors		✓
Mirrors, rearview external with integrated	√	
spot mirrors		
Multi-function 18 cm (7 in) color LCD	✓	
touchscreen display for rear vision camera		
image display (reverse travel activated) and machine status, setting and health		
parameters		
Post mounted membrane 16 switch	✓	
keypad		
Precleaner, HVAC		✓
Precleaner, HVAC (RESPA)		✓
Radio, AM/FM/USB/MP3 Bluetooth		✓
Radio, AM/FM/CD/USB/MP3 Bluetooth		✓
Radio, AM/FM/CD/USB/MP3		✓
Bluetooth with Satellite Sirius and XM		
Radio, CB ready		✓
Radio ready (entertainment) includes antenna, speakers and converter (12V,	✓	
10-amp)		

950M Forestry Standard and Optional Equipment

Standard and Optional Equipment (continued)

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

	Standard Optional				
OPERATOR ENVIRONMENT (continued)					
Roof, metallic		✓			
Seat, Cat Comfort (cloth) air suspension	✓				
Seat belt, 51 mm (2 in) retractable, with indicator	✓				
Seat belt, 76 mm (3 in) retractable, with indicator		✓			
Seat, heated air suspension		✓			
Steering, EH joystick, speed sensing with force feedback		✓			
Steering, secondary		✓			
Steering, steering wheel	✓				
Sun visor, front	✓				
Sun visor, rear		✓			
Viscous mounts	✓				
Wet-arm wipers/washers front and rear, intermittent front wiper	√				
Windows, rubber mounted		✓			
Window, sliding (left and right sides)	✓				
Windows, with front guard		✓			
Windows, with full guards front, rear and sides		✓			
ELECTRICAL AND LIGHTING					
Alarm, back-up	✓				
Alternator, 145-amp brushed	✓				
Auxiliary halogen cab-mounted work lights (four additional) or		✓			
Auxiliary front HI LED (two additional) and two additional auxiliary rear LED cab mounted work lights with two LED work lights in the radiator grill and LED front turn signals. Also includes replacement of the standard four halogen cab-mounted work lights with four LED work lights (the standard offering and only roading light available is the halogen roading light)		√			
Batteries (2), maintenance free 1,400 CCA	✓				
External seat belt indicator light		✓			
Ignition key; start/stop switch	✓				
Lighting system: four halogen work lights (cab mounted), two LED stop, turn, tail lights, two halogen roading lights (with signals), two halogen rear vision lights (hood mounted)	✓				

	Standard	Optional
ELECTRICAL AND LIGHTING (continued)		
Main disconnect switch	✓	
Receptacle start (cables not included)	✓	
Reversing strobes		✓
Starter, electric, heavy duty	✓	
Starting and charging system (24V)	✓	
Warning amber strobe beacon		✓
FLUIDS		
Premixed extended life coolant with freeze protection to -34°C (-29°F)	✓	
Premixed extended life coolant with freeze protection to -50°C (-58°F)		✓
HYDRAULICS		
Couplings, Cat O-ring face seal	✓	
Hoses, Cat XT	✓	
Hydraulic oil cooler (swing out)	✓	
Hydraulic system, load sensing	✓	
Oil sampling valves	✓	
3 rd function with Ride Control – standard linkage, high lift linkage, forestry linkage		✓
4 th function with Ride Control – standard linkage, high lift linkage, forestry linkage		✓
Remote diagnostic pressure taps	✓	
Ride control, 2V	✓	
Steering, load sensing	✓	
INKAGE		
Autolube		✓
Forestry		✓
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 – 120V		✓
Cold start – 240V		✓
WORK TOOLS		
Forks, logging		✓
Forks, pallet		✓
Fusion quick coupler		✓
3.6		✓
Material handling arms		
Performance Series buckets		\checkmark
		✓ ✓

(continued on next page)

950M Forestry 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	NT	
With following gauges: Speedometer/tachometer Digital gear range indicator Diesel Exhaust Fluid (DEF) level (Tier 4 Final/Stage V models) Temperature: engine coolant, hydraulic oil, transmission oil Fuel level	✓		Auto idle shutdown	✓	
			Cat Autolube System		✓
			Cold weather package: transmission filter bypass, fan pump bypass, jacket water or engine block heater, ether aid ready		✓
			Ecology drains for engine, transmission, and hydraulics	✓	
With following warning indicators: Regeneration Temperature: axle oil, engine intake manifold Pressure: engine oil, fuel pressure hi/low, primary steering oil, service brake oil	√		Fenders, front with mud-flap/rear with extension	✓	
			Fenders, roading		\checkmark
			Filters: fuel, engine air, engine oil, hydraulic oil, transmission	✓	
			Fuel cooler	✓	
Battery voltage hi/low			Grease zerks	✓	
Engine air filter restriction Hydraulic oil filter restriction Hydraulic oil low Parking brake DEF low level (Tier 4 Final/ Stage V models) Transmission filter bypass			Grill, airborne debris	✓	
			Guard, power train		✓
			Hitch, drawbar with pin	✓	
			Hood, non-metallic power tilting	✓	
			Platform, window washing		✓
			Precleaner, turbine		✓
			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		✓
			Corrosion resistance		✓

Forestry

Steel mill (Tier 3 equivalent only)

Recommended Equipment and Work Tools

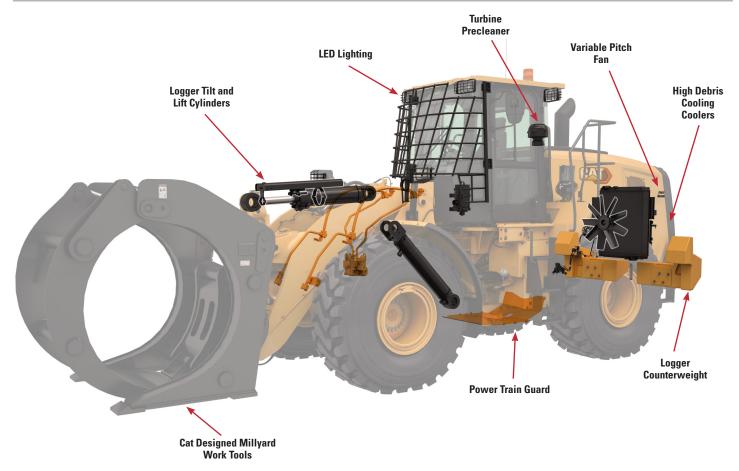
Recommended Forestry Configuration

- · Logger tilt and lift cylinders
- · Logger counterweight
- 3rd/4th function hydraulics
- Ride control
- Turbine engine precleaner
- · LED lighting package
- · Locking differential front axle
- · Windshield guard
- · Power train guard
- Suspension seat with dynamic dampening
- · Variable pitch fan
- High debris cooling coolers
- · Autolube
- · Object detection
- Fusion or VCE quick coupler

Millyard Work Tools

- · Sorting grapple forks
- · Millyard forks
- Log and lumber forks (84" or 96" carriage; 60", 72", or 96" tines)
- Pole forks (available with optional slip-on bucket)
- · Woodchip buckets
- · High dump buckets

950M Forestry Machine





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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