

Caterpillar IT28G IT11



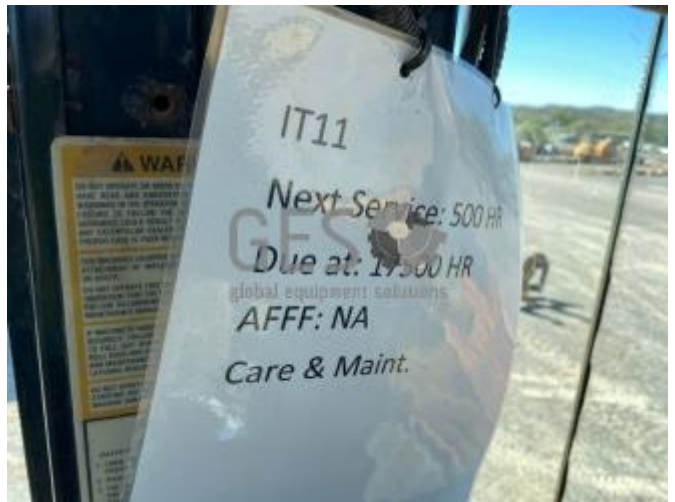
Make	Caterpillar		Model	IT28G	
Year		Hours	17444	As at	12/04/2021
Mileage				km	As at
Serial/VIN	CATIT18G.DBT00635			Engine Serial	
Details	Unreserved Caterpillar IT28G Asset IT11 Maintenance feedback is that this loader is due for a 500 hr service at 17,500 hrs. Offered for sale via Online auction in "As Is" condition, running to drive on to buyers transport. Located at Savannah Nickel Mine, via Kununurra Western Australia.				
Asking price	AUD	Under review - call for pricing			
Ex site	Australia, Western Australia, Kununurra				

Service history	Maintenance feedback is that this loader is due for a 500 hr service at 17,500 hrs.
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For further details, to make an offer or book an inspection, contact

Global Equipment Solutions on Office: 08 9201 1142











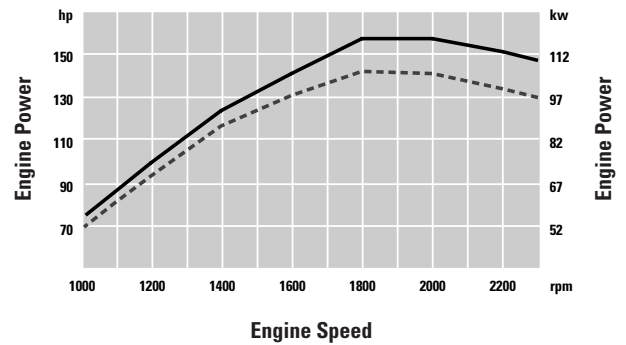
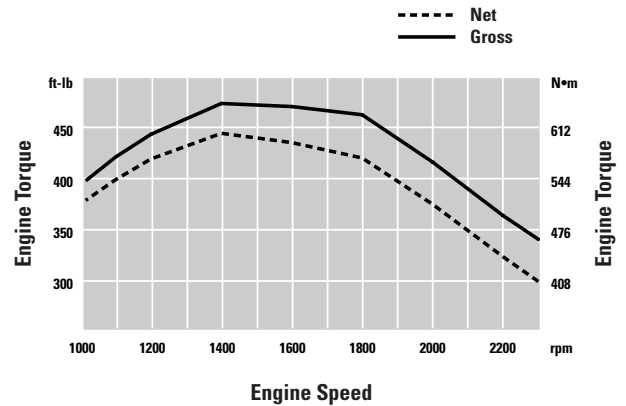
Work Order	Description	Start Date	Status	Cost Centre	Key/Section	PM Task	Branch
118518	3 Monthly work order for daily services & minor repairs	1-Oct-18	F	4400210	WHOLE	2108	CAP
123260	3 Monthly work order for daily services & minor repairs	1-Jan-19	F	4400210	WHOLE	2108	CAP
123522	Carry out 250 hr service as per attached sheet	15-Jan-19	F	4400210	250HR	2095	CAP
130303	3 Monthly work order for daily services & minor repairs	1-Apr-19	F	4400210	WHOLE	2108	CAP
131989	CHANGE OUT TRANSMISSION AND HOSES	5-Apr-19	F	4400210	TRANS		CAP
133329	Attachment Cylinder Not Working	10-May-19	F	4400210	HYD		CAP
133884	Replace sender - FUEL GAUGE NOT WORKING	1-Jun-19	F	4400210	ELECTL		CAP
134155	HORN NOT WORKING	6-Jun-19	F	4400210	ELECTL		CAP
134927	Pos 3 Flat Tyre	13-Jun-19	F	4400210	TYRE		CAP
134793	Replace broken hydraulic tank cap	29-Jun-19	F	4400210	HYD		CAP
135796	Yearly work order for daily services & minor repairs	1-Jul-19	F	4400210	WHOLE	2108	CAP
137782	Carry out 125hr inspection as per attached sheet	4-Jul-19	F	4400210	125HR	2094	CAP
137827	Tilt Fault	7-Jul-19	F	4400210	HYD		CAP
135980	IT11 Requires a radio in there to enable people	3-Aug-19	F	4400210	ELECTL		CAP
139700	Repair wiring behind R.H. console	23-Aug-19	S	4400210	ELECTL		CAP
139699	Repair leak on top of fuel tank	24-Aug-19	F	4400210	ENGINE		CAP
141727	Carry out 1000 hr service as per attached sheet	14-Sep-19	F	4400210	1000HR	2097	CAP
141998	Replace headlamp switch	20-Sep-19	F	4400210	ELECTL		CAP
142027	Replace 'Hold Open' door latch L.H.	29-Sep-19	I	4400210	CABIN		CAP
142036	Replace battery hold down clamps	29-Sep-19	F	4400210	ELECTL		CAP
142037	Replace washer reservoir assy	29-Sep-19	F	4400210	CABIN		CAP
140464	Install Digital Radio	8-Oct-19	F	4400210	ELECTL		UG
143764	Radio not connected.	14-Oct-19	S	4400210	CABIN		CAP
143765	Fuel gauge not working.	14-Oct-19	S	4400210	CABIN		CAP
143766	Check and repair hydraulic oil leaks.	14-Oct-19	S	4400210	HYD		CAP
146436	Carry out 125hr inspection as per attached sheet	15-Nov-19	F	4400210	125HR	2094	CAP
146561	INSPECT WIRING AND INSTALL MANUAL RESETABLE CIRCUIT BREAKERS	22-Nov-19	I	4400210	ELECTL		CAP
146629	FIT NEW ENGINE EXHAUST MANIFOLD BLANKETS FROM MAMMOTH	30-Nov-19	F	4400210	ENGINE		CAP
148177	Reported oil leaks. Please inspect repair and report what	8-Dec-19	F	4400210	ENGINE		CAP
149150	replace pos 1 & 2 tyres	20-Dec-19	F	4400210	TYRE		CAP
149244	Check for correct operation of quick hitch lockout pins	22-Dec-19	S	4400210	FRAME		CAP
149587	Re-seal Lh and Rh steering cylinders	24-Dec-19	F	4400210	HYDCYL		CAP
149588	Investigate and repair oil leak from steering orbital valve	24-Dec-19	S	4400210	STEER		CAP
IT1120	Daily Consumables Only	1-Jan-20	S	4400210	WHOLE		UG
151380	check condition of pos 1& 2 tyres and replace as required	20-Jan-20	F	4400210	TYRE		CAP
151340	Carry out 250 hr service as per attached sheet	21-Jan-20	F	4400210	250HR	2095	CAP
154299	Carry out 250 hr service as per attached sheet	24-Jan-20	F	4400210	250HR	10010	CAP
152113	Fuel leak in engine bay	1-Feb-20	F	4400210	ENGINE		CAP
152300	E-stop fault	2-Feb-20	F	4400210	ELECTL		CAP
152977	IT 11 Radio is receiving but not transmitting	18-Feb-20	F	4400210	ELECTL		CAP
154292	Starting issue Diagnose and report.	5-Mar-20	F	4400210	WHOLE		CAP
153940	Carry out Weekly Mechanical Inspection of HV Gear.	11-Mar-20	F	4400210	LV	10008	CAP
154323	Carry out Weekly Mechanical Inspection of Cat IT128G.	12-Mar-20	F	4400210	WEEK	10014	CAP
155071	Replace starter motor	15-Mar-20	F	4400210	ELECTL		CAP
153944	Carry out Weekly Mechanical Inspection of HV Gear.	18-Mar-20	F	4400210	WHOLE	10008	CAP
154348	Carry out Weekly Mechanical Inspection of Cat IT128G.	19-Mar-20	F	4400210	WEEK	10014	CAP
155513	Replace rocker cover gasket	31-Mar-20	F	4400210	ENGINE		CAP
155626	Assess and rectify oil leak at rear engine location.	4-Apr-20	F	4400210	WHOLE		CAP
155636	Repair engine oil leak	4-Apr-20	S	4400210	ENGINE		CAP
156300	C/o Starter motor	18-Apr-20	F	4400210	WHOLE		CAP
153947	Carry out Weekly Mechanical Inspection of HV Gear.	30-Apr-20	L	4400210	WHOLE	10008	CAP
153948	Carry out 125hr inspection as per attached sheet	30-Apr-20	L	4400210	125HR	2094	CAP
154347	Carry out 500 hr service as per attached sheet	30-Apr-20	L	4400210	500HR	10011	CAP
154394	Carry out Weekly Mechanical Inspection of Cat IT128G.	30-Apr-20	L	4400210	WEEK	10014	CAP
154433	Carry out Weekly Mechanical Inspection of Cat IT128G.	30-Apr-20	L	4400210	WEEK	10014	CAP
154519	Carry out Weekly Mechanical Inspection of Cat IT128G.	30-Apr-20	L	4400210	WEEK	10014	CAP
154569	Carry out Weekly Mechanical Inspection of Cat IT128G.	30-Apr-20	L	4400210	WEEK	10014	CAP
154612	Carry out Weekly Mechanical Inspection of Cat IT128G.	30-Apr-20	L	4400210	WEEK	10014	CAP
154651	Carry out Weekly Mechanical Inspection of Cat IT128G.	30-Apr-20	L	4400210	WEEK	10014	CAP
157060	POS 1 Tyre. Replace/Repair	22-Jan-21	F	4400210	TYRE		CAP

Engine

Model	Cat 3056E DIT ATAAC	
Flywheel Power	97.8 kW	131 hp
Max. Flywheel Power	107 kW	144 hp
Caterpillar	98 kW	131 hp
ISO 9249 (1997)	98 kW	131 hp
EEC 80/1269	98 kW	131 hp
SAE J1349:90	98 kW	131 hp
Bore	100 mm	3.94 in
Stroke	127 mm	5 in
Displacement	6 L	366 in ³

- Ratings at 2300 RPM.
- Net power shown is the power available at the flywheel when the engine is equipped with air cleaner, fan, muffler and alternator.
- No derating required up to 3000 m (9,843 ft) altitude.
- Auto Derate protects the engine, hydraulic and transmission systems.
- The Caterpillar 3056E DIT ATAAC engine meets Tier 2 off-highway emission regulations.
- Features:
 - Electronically controlled rotary fuel pump
 - Three-ring, controlled expansion, lubricated pistons
 - Gear-driven water and oil pumps
 - One-piece cast iron cylinder heads with two valves per cylinder
 - Fuel priming pump and fuel/water separator
 - S•O•S sampling port for engine oil
 - Replaceable dry liners
 - Cast aluminum valve cover
 - Radiator is easily accessed for cleaning

Engine Torque



Weights

Operating Weight	12 134 kg	26,751 lb
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- Specifications shown are the IT28G with optional counterweight, standard lubricants, full fuel tank, ROPS cab, 2.0 m³ (2.6 yd³) bucket with bolt-on cutting edge, 80 kg (176 lb) operator and 20.5 - 25 12PR (L2) tires.

Steering

Minimum turning radius (over tire)	5233 mm	206 in
Steering angle, each direction	40°	
Steering cylinders, two, bore	69.9 mm	2.75 in
Hydraulic output at 2300 engine rpm and 6900 kPa (1000 psi)	104 L/min	27 gal/min
Maximum working pressure	20 700 kPa	3,000 psi

- Fully hydraulic power steering.
- Center-point frame articulation.
- Front and rear wheels track.
- Separate variable displacement piston pump provides steering power at all engine and ground speeds.
- Tilt steering console.
- High-impact rubber steering stops.
- Secondary steering system available to meet roading regulations in various countries, and to meet ISO 5010.

Loader Hydraulic System

Output at 2300 engine rpm and 6900 kPa (1000 psi) with SAE 10W oil at 65°C (150°F)	151.6 L/min	40.3 gal/min
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Hydraulic cycle time:

Raise	6.1 Seconds	
Dump	1.4 Seconds	
Lower, empty, float down	2.8 Seconds	
Total	10.3 Seconds	

Relief valve setting	22 100 kPa	3,200 psi
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Lift cylinders, double acting:

Bore	120.6 mm	4.75 in
Stroke	685 mm	27 in

Tilt cylinder, double acting:

Bore	101.6 mm	4 in
Stroke	755 mm	29.7 in

- Open-centered system.
- Fixed displacement vane-type implement pump.
- Low effort, hydraulic joystick controls.
- Electronic pilot shut-off switch disables implement functions for added safety.
- Hydraulic couplings with O-ring face seals.
- Optional heavy-duty oil cooler.
- Improved Ride Control System available to provide improved ride with less spillage from bucket during load & carry operations and better hard bank capability.

Service Refill Capacities

Fuel tank	216 L	57.1 gal
Cooling system	42 L	11.1 gal
Crankcase	21 L	5.5 gal
Transmission	34.5 L	9.1 gal

Differentials and final drives:

Front	26 L	6.9 gal
Rear	25 L	6.6 gal

Hydraulic system (including tank)	125 L	33 gal
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Hydraulic tank	70 L	18.5 ga
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Transmission

Standard transmission, max travel speeds:

Forward 1	7.9 kph	4.9 mph
Forward 2	12.6 kph	7.8 mph
Forward 3	25.8 kph	16 mph
Forward 4	37.7 kph	23.4 mph
Reverse 1	7.9 kph	4.9 mph
Reverse 2	12.6 kph	7.8 mph
Reverse 3	25.8 kph	16 mph

- Electronically-controlled Caterpillar countershaft transmission with full on-the-go directional and speed change capability.
- High-energy friction materials and thick reaction plates for better tolerance of heat.
- High-contact ratio spur gears are precision ground and heat treated for quiet, reliable operation.
- Electronic autoshift is standard.
- Button on implement control lever allows downshifting on demand.
- Computer controlled modulation provides smoother transitions.

Axles

Features:

- Fixed front, oscillating rear ($\pm 11^\circ$) allows rear movement of 480 mm (18.9 in).
- Caterpillar axle with fully-enclosed brakes and final drives.
- Patented Duo-Cone Seals between axle and housing.
- Limited Slip Differentials are optional on front, rear or both axles.
- Rear axle trunnion has remote lubrication fitting.
- Planetary final drives are lubricated from the main oil sump.
- High contact ratio gearset reduces noise levels during meshing.

Tires

Choice of:

- 17.5 - 25, 12PR (L-2)
- 17.5 - 25, 12PR (L-3)
- 17.5 - R25, radial (L-2)
- 17.5 - R25, radial (L-3)
- 17.5 - R25, radial (L-2/L-3)
- 20.5 - 25, 12PR (L-2)
- 20.5 - 25, 12PR (L-3)
- 20.5 - R25, radial (L-2)
- 20.5 - R25, radial (L-3)
- 20.5 - R25, radial (L-2/L-3)
- 550/65R25, radial (L-2)
- 550/65R25, radial (L-3)
- Other tire choices are available, contact your Cat Dealer for details.
- In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities. Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Brakes

Features:

- Service brake:
 - Inboard oil-immersed disc brakes on front and rear axles are standard.
 - Completely enclosed and sealed.
 - Adjustment-free.
 - Separate circuits for front and rear.
 - Dual pedal braking system
 - Fully integrated with hydraulic system, no air system required.
- Secondary brake:
 - Indicator light alerts operator if brake pressure drops.
 - Continually-charged nitrogen accumulators provide stopping power after loss of engine power.
- Parking brake:
 - Mechanical, shoe-type brake.
 - Mounted on drive line for positive manual operation.
 - Application of parking brake neutralizes the transmission.
- Optional heavy-duty brakes with integrated oil cooler.

Cab

ROPS	SAE J1040 MAY94, ISO 3471-1994
FOPS	SAE J231 JAN81, ISO 3449-1992 Level II

- Caterpillar cab and Rollover Protective Structure (ROPS) are standard in North America and Europe.
- When properly installed and maintained, the cab offered by Caterpillar, when tested with doors and windows closed as per work cycle procedures specified in ANSI/SAE J1166 May 90, results in operator sound exposure Leq (equivalent sound pressure level) of 74 dB(A).
- As manufactured by Caterpillar, this machine's exterior sound power level meets the criteria spelled out in the European Directives noted on the certificate of conformance and the accompanying labeling.

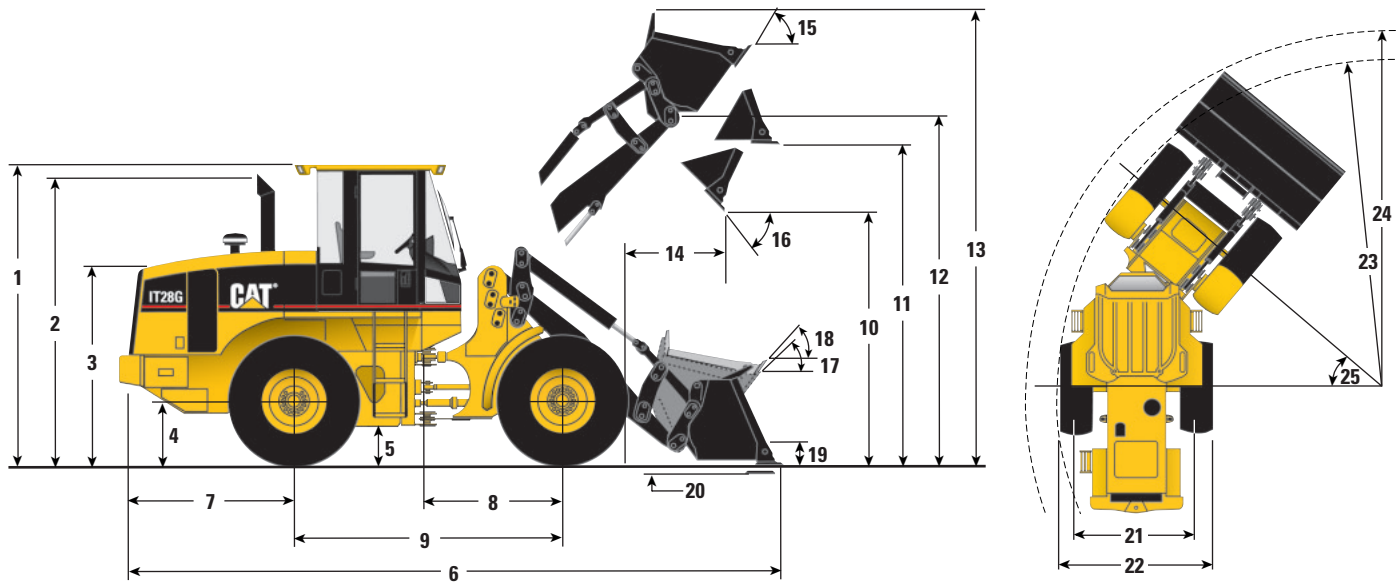
Bucket Controls

Features:

- Lift circuit:
 - Four positions: raise, hold, lower and float.
 - Adjustable automatic kickout from horizontal to full lift.
- Tilt circuit:
 - Three positions: tilt back, hold and dump.
 - Two-speed dump for quick dumping with bucket and precise load control with forks or other attachments.
 - Adjustable automatic bucket positioner to desired loading angle.
 - Does not require visual spotting.
- Controls:
 - Choice of two low effort control systems: a joystick or a two-lever control of lift and tilt circuits.
 - Optional third and fourth function hydraulic circuits available with individual lever controls for remote hydraulic functions.
 - Controls can be disabled for roading.

Dimensions with Bucket

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



1	Height to top of ROPS/FOPS	3268 mm	(10 ft 8 in)
2	Height to top of exhaust stack	3184 mm	(10 ft 5 in)
3	Height to top of hood	2197 mm	(7 ft 3 in)
4	Height to center of axle	684 mm	(2 ft 3 in)
5	Ground clearance	407 mm	(1 ft 4 in)
6	Overall length	7256 mm	(23 ft 10 in)
7	Length – rear axle to bumper	1973 mm	(6 ft 6 in)
8	Center line of front axle to hitch	1450 mm	(4 ft 9 in)
9	Wheel base length	2900 mm	(9 ft 6 in)
10	Dump clearance at maximum lift and 45° dump	2967 mm	(9 ft 9 in)
11	Bucket clearance at maximum lift and level	3694 mm	(12 ft 1 in)
12	Bucket pin height at maximum lift	3980 mm	(13 ft 1 in)
13	Overall height – bucket raised	5045 mm	(16 ft 7 in)
14	Reach at maximum lift and 45° dump	958 mm	(3 ft 2 in)
15	Rack back angle at maximum lift		55°
16	Dump angle at maximum lift		45°
17	Rack back angle at ground		53°
18	Rack back angle at carry		56°
19	Carry height	382 mm	(1 ft 3 in)
20	Digging depth	108 mm	(4.3 in)

Dimensions listed are for machines equipped with 20.5-25 12PR (L-2) tires and 1.8 m³ (2.3 yd³) general purpose bucket with bolt-on cutting edge. Refer to Operating Specifications for bucket variations.

	17.5-25 12PR (L-2) Tires		20.5-25 12PR (L-2) Tires	
21	Overall width over tires	2427 mm (96 in)	2537 mm (100 in)	
22	Width at tread center	1950 mm (77 in)	1950 mm (77 in)	
23	Minimum turning radius over tire	5228 mm (17 ft 2 in)	5233 mm (17 ft 2 in)	
24	Minimum turning radius over bucket	–	5662 mm (18 ft 7 in)	
25	Steering angle – left/right	40°	40°	
	Change in vertical dimension	–64 mm (–2.5 in)	–	–

Operating Specifications with Bucket

		General Purpose Buckets									Waste/Ag
		With Bolt-On Cutting Edge			With Bolt-On Teeth & Segments*			With Bolt-On Teeth*			With Bolt-On Cutting Edge
Rated bucket capacity (§)	m ³	1.8	2.0	2.3	1.8	2.0	2.3	1.7	1.9	2.2	2.8
	yd ³	2.3	2.6	3.0	2.3	2.6	3.0	2.25	2.5	2.9	3.6
Struck capacity (§)	m ³	1.5	1.7	1.9	1.5	1.7	1.9	1.5	1.6	1.8	2.3
	yd ³	2.0	2.25	2.5	2.0	2.25	2.5	2.0	2.1	2.35	3.0
Bucket width		2549	2549	2549	2549	2549	2549	2532	2532	2532	2550
		8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"	8'4"
10 Dump clearance at full lift and 45° discharge (§)	mm	2967	2911	2849	2855	2799	2737	2855	2799	2737	2860
	ft/in	9'9"	9'7"	9'4"	9'4"	9'2"	8'11"	9'4"	9'2"	8'11"	9'5"
14 Reach at full lift and 45° discharge (§)	mm	958	1014	1021	1052	1109	1116	1052	1109	1116	1222
	ft/in	3'2"	3'4"	3'4"	3'5"	3'8"	3'8"	3'5"	3'8"	3'8"	4'0"
Reach at 45° discharge and 2130 mm (7'0") clearance (§)	mm	1537	1567	1546	1578	1605	1580	1578	1605	1580	1754
	ft/in	5'1"	5'2"	5'1"	5'2"	5'3"	5'2"	5'2"	5'3"	5'2"	5'9"
Reach with lift arms horizontal and bucket level	mm	2303	2383	2431	2449	2529	2577	2449	2529	2577	2546
	ft/in	7'7"	7'10"	7'11"	8'0"	8'4"	8'5"	8'0"	8'4"	8'5"	8'4"
20 Digging depth (§)	mm	108	108	143	122	122	156	122	122	156	112
	in	4.3"	4.3"	5.6"	4.8"	4.8"	6.1"	4.8"	4.8"	6.1"	4.4"
6 Overall length	mm	7256	7336	7435	7402	7482	7496	7380	7460	7496	7504
	ft/in	23'10"	24'1"	24'5"	24'3"	24'7"	24'7"	24'3"	24'6"	24'7"	24'7"
13 Overall height with bucket at full raise (§)	mm	5045	5080	5238	5045	5080	5238	5045	5080	5238	5352
	ft/in	16'7"	16'8"	17'2"	16'7"	16'8"	17'2"	16'7"	16'8"	17'2"	17'7"
24 Loader clearance radius with bucket in carry position (§)	mm	5662	5680	5770	5712	5731	5831	5712	5731	5831	5845
	ft/in	18'7"	18'8"	18'11"	18'9"	18'10"	19'2"	18'9"	18'10"	19'2"	19'2"
Static tipping load straight (§)	kg	8619	8530	8093	8532	8456	8014	8710	8628	8196	8351
	lb	19,002	18,805	17,842	18,810	18,642	17,668	19,202	19,022	18,069	18,411
Static tipping load full 40° turn (§)	kg	7469	7388	6973	7381	7313	6894	7550	7476	7065	7214
	lb	16,466	16,288	15,373	16,272	16,122	15,199	16,645	16,482	15,576	15,904
Breakout force (§)	kg	11 492	10 631	9640	11 419	10 567	9565	12 306	11 340	10 246	8889
	lb	25,340	23,441	21,253	25,179	23,300	21,087	27,135	25,005	22,589	19,597
Operating weight	kg	12 116	12 134	12 312	12 185	12 194	12 374	12 100	12 109	12 288	12 178
	lb	26,711	26,751	27,143	26,863	26,883	27,280	26,676	26,696	27,090	26,848

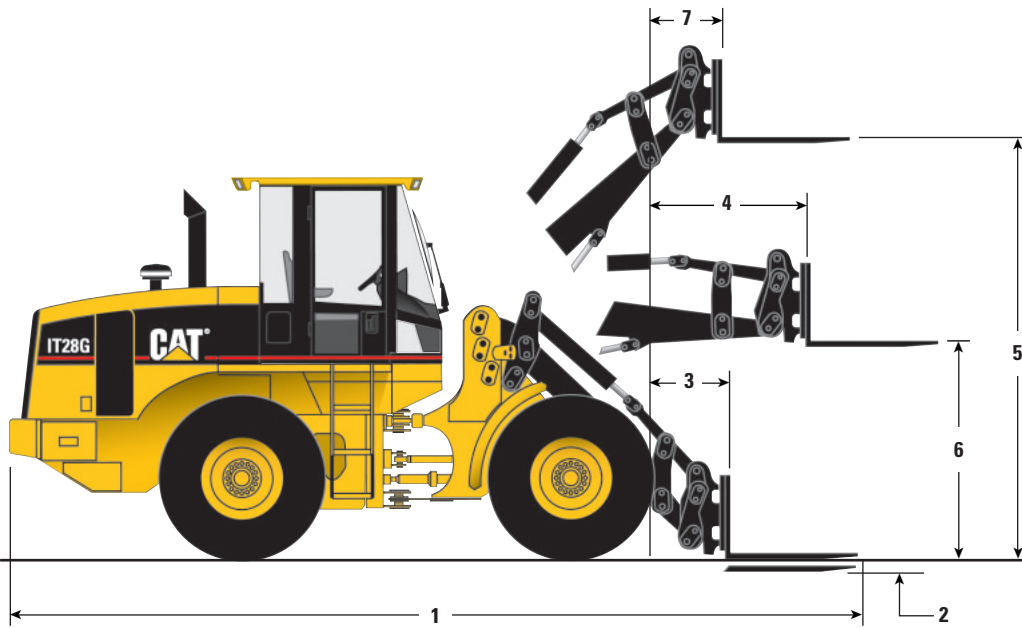
Specifications shown are for machine with optional counterweight, standard lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 20.5-25 12PR (L-2) tires.

* Dimensions are measured to the tip of the bucket teeth to provide accurate clearance data. SAE standards specifies the cutting edge.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers (SAE), including SAE Standards J732 JUN92 and J742 FEB85 governing loader ratings.

Dimensions with Pallet Forks

All dimensions are approximate. Dimensions vary with fork length. Refer to Operating Specifications chart below.



1	See Table	
2	9 mm	(0.3 in)
3	750 mm	(2 ft 6 in)
4	1513 mm	(5 ft 0 in)
5	3843 mm	(12 ft 7 in)
6	1923 mm	(6 ft 4 in)
7	703 mm	(2 ft 4 in)

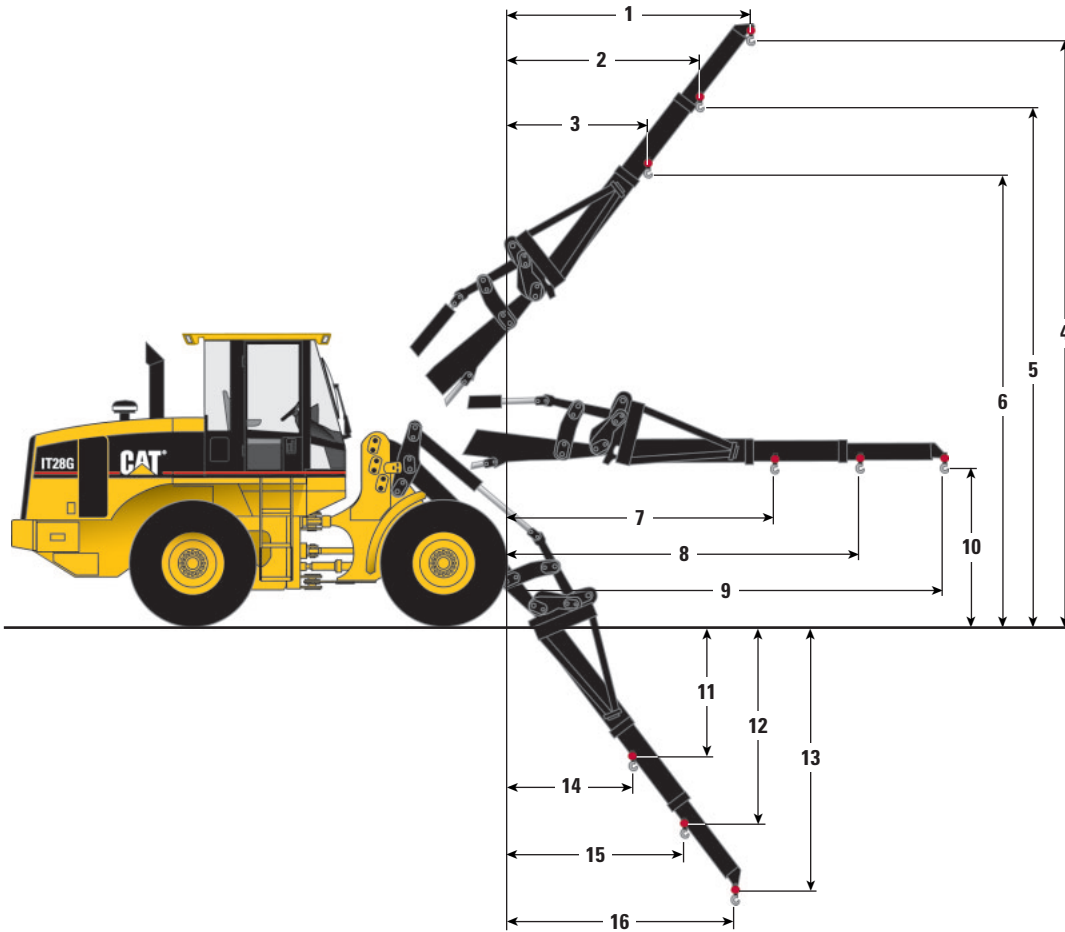
Operating Specifications with Pallet Forks

	Fork Tine Length		
	1050 mm (3 ft 5 in)	1200 mm (3 ft 11 in)	1350 mm (4 ft 5 in)
Operating load:			
Per SAE J1197 FEB91 (50% of FTSTL)	3132 kg (6905 lb)	3042 kg (6707 lb)	2957 kg (6519 lb)
Per CEN 474-3, rough terrain (60% of FTSTL)	3759 kg (8287 lb)	3651 kg (8049 lb)	3549 kg (7824 lb)
Per CEN 474-3, firm & level ground (80% of FTSTL)	5012 kg (11,050 lb)	4868 kg (10,732 lb)	4732 kg (10,432 lb)
1 Overall length	7425 mm (24 ft 4 in)	7575 mm (24 ft 10 in)	7725 mm (25 ft 4 in)
Load center	525 mm (21 in)	600 mm (24 in)	675 mm (27 in)
Static tipping load with level arms and forks, straight*	7187 kg (15,845 lb)	6983 kg (15,395 lb)	6790 kg (14,969 lb)
Static tipping load with level arms and forks, full 40° turn*	6265 kg (13,812 lb)	6085 kg (13,415 lb)	5915 kg (13,040 lb)
Operating weight*	11 707 kg (25,810 lb)	11 723 kg (25,845 lb)	11 737 kg (25,876 lb)

* Static tipping and operating weights shown are for machine with optional counterweight, lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 20.5-25 12PR (L-2) tires. Tipping load is defined by SAE J732 JUN92.

Dimensions with Material Handling Arm

All dimensions are approximate.



1	2791 mm	(9 ft 2 in)
2	2199 mm	(7 ft 3 in)
3	1608 mm	(5 ft 3 in)
4	7185 mm	(23 ft 7 in)
5	6379 mm	(20 ft 11 in)
6	5574 mm	(18 ft 3 in)
7	3187 mm	(10 ft 5 in)
8	4186 mm	(13 ft 9 in)
9	5186 mm	(17 ft 0 in)
10	1983 mm	(6 ft 6 in)
11	1502 mm	(4 ft 11 in)
12	2306 mm	(7 ft 8 in)
13	3111 mm	(10 ft 2 in)
14	1529 mm	(5 ft 0 in)
15	2122 mm	(7 ft 0 in)
16	2715 mm	(8 ft 11 in)

Operating Specifications with Material Handling Arm

	Material Handling Arm Position					
	Retracted		Mid-Position		Extended	
Operating load at 40° full turn	2555 kg	(5633 lb)	1767 kg	(3896 lb)	1470 kg	(3241 lb)
Static tipping load, straight*	5110 kg	(11,266 lb)	4066 kg	(8964 lb)	3380 kg	(7452 lb)
Static tipping load, full 40° full turn*	4450 kg	(9811 lb)	3535 kg	(7793 lb)	2940 kg	(6482 lb)
Operating weight*	11 584 kg	(25,538 lb)	11 584 kg	(25,538 lb)	11 584 kg	(25,538 lb)

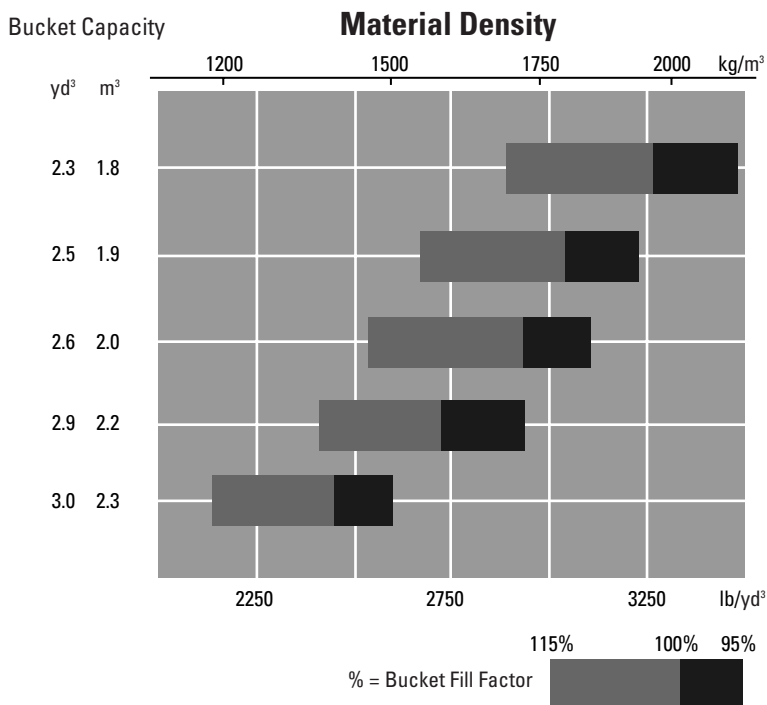
* Static tipping and operating weights shown are for machine with optional counterweight, lubricants, full fuel tank, ROPS cab, 80 kg (176 lb) operator and 20.5-25 12PR (L-2) tires. Tipping load is defined by SAE J732 JUN92.

Note: Machine stability and operating weights are affected by tire size, tire ballast and other attachments.

Typical Material Densities – Loose

	kg/m ³	lb/yd ³		kg/m ³	lb/yd ³
Basalt	1960	3305	Gypsum		
Bauxite, Kaolin	1420	2394	broken	1810	3052
Clay			crushed	1600	2698
natural bed	1660	2799	Limestone		
dry	1480	2495	broken	1540	2596
wet	1660	2799	crushed	1540	2596
Clay and gravel			Sand		
dry	1420	2394	dry, loose	1420	2394
wet	1540	2596	damp	1690	2849
Decomposed rock			wet	1840	3102
75% rock, 25% earth	1960	3305	Sand and clay		
50% rock, 50% earth	1720	2900	loose	1600	2698
25% rock, 75% earth	1570	2647	Sand and gravel		
Earth			dry	1720	2900
dry, packed	1510	2546	wet	2020	3416
wet, excavated	1600	2698	Sandstone	1510	2546
Granite			Shale	1250	2107
broken	1660	2799	Slag		
Gravel			broken	1750	2950
pitrun	1930	3254	Stone		
dry	1510	2546	crushed	1600	2698
dry, 6-50 mm (0.2-2")	1690	2849			
wet, 6-50 mm (0.2-2")	2020	3406			

Bucket Size Selector



Supplemental Specifications

	Change in Operating Weight		Change in Articulated Static Tipping Load	
	kg	lb	kg	lb
Air conditioner	48	106	51	112
Canopy, ROPS (less cab)	-198	-437	-164	-362
Counterweight, 290 kg/639 lb (removal)	-290	-639	-512	-1129
Guard, crankcase	17	37	22	49
Guard, power train	58	128	51	112
Ride control	41	90	18	40
Secondary steering	42	97	52	115
Tires, 1-piece rims				
17.5-25, 12PR (L-2)	-421	-928	-236	-520
17.5-25, 12PR (L-3)	-342	-354	-192	-423
17.5-25, 12PR (L-2/L-3)	-279	-615	-156	-344
17.5-R25, radial (L-2)	-374	-825	-209	-461
17.5-R25, radial (L-3)	-218	-481	-120	-265
Tires, 3-piece rims				
17.5-25, 12PR (L-2)	-289	-367	-162	-357
17.5-25, 12PR (L-3)	-217	-478	-122	-269
17.5-25, 12PR(L-2/L-3)	-173	-381	-97	-214
17.5-R25, radial (L-2)	-249	-549	-140	-309
17.5-R25, radial (L-3)	-149	-329	-84	-185
20.5-25, 12PR (L-3)	144	317	81	179
20.5-25, 12PR (L-2/L-3)	188	415	105	232
20.5-R25, radial (L-2)	68	150	38	84
20.5-R25, radial (L-3)	240	529	134	295
550/65 R25, radial (L-2)	44	97	25	55
550/65 R25, radial (L-3)	104	229	58	128