

631G/637G

Wheel Tractor-Scrapers



Engine

Tractor Engine	Cat C18 ACERT™
Scraper Engine	Cat C9 ACERT
Tractor Engine	
Net Power	345/373 kW 462/500 hp

Scraper Engine

Net Power	198/211 kW	266/283 hp
Scraper Bowl		
Capacity Heaped	26 m ³	34 yd ³
Rated Load	37 285 kg	82,200 lb

Features

Economical Hauling System

The wheel tractor-scraper, with its ability to load quickly, haul at high speeds and dump on the go, has the potential to be the most profitable hauling system on the job site. This efficiency can result in fewer machines on the job, reduced operating costs and jobs delivered in a shorter period of time.

Power Train

Caterpillar designed and manufactured power train components deliver the power necessary for fast loading and quick hauls. Dual power ratings increase component life in gears 1-2 and deliver maximum productivity in gears 3-8.

Operator Station

Single joystick control of implements, adjustable arm rests, seat, steering column and room to maneuver all reduce fatigue and increase operator comfort and productivity throughout the shift.

Cushion Hitch

Cushion hitch is a Cat proven system for improving ride quality, dampening loads that might otherwise be carried through the frame to the operator. Cushion hitch offers operators a more comfortable haul portion of the work cycle.

Durability

Cat® 631G and 637G wheel tractor-scrapers have a history of robust structural design, tested and validated to last in the most rugged loading and hauling conditions.

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Quick loading, high travel speeds and the ability to load and dump on the run yield fast cycle times, allowing Cat Wheel Tractor-Scrapers to consistently deliver high productivity at the lowest cost per ton.

Operator Station

Redesigned for enhanced operator comfort and productivity

Operator Comfort

- Ergonomic layout with plenty of room to work
- Fatigue fighting low-effort controls with convenient auto-kickouts and detents
- Air suspension Cat Comfort Seat adjusts and rotates for more comfortable loading
- Engine speed lock maintains engine speed without using accelerator pedal
- Air conditioning, heat, radio ready are standard

Productivity

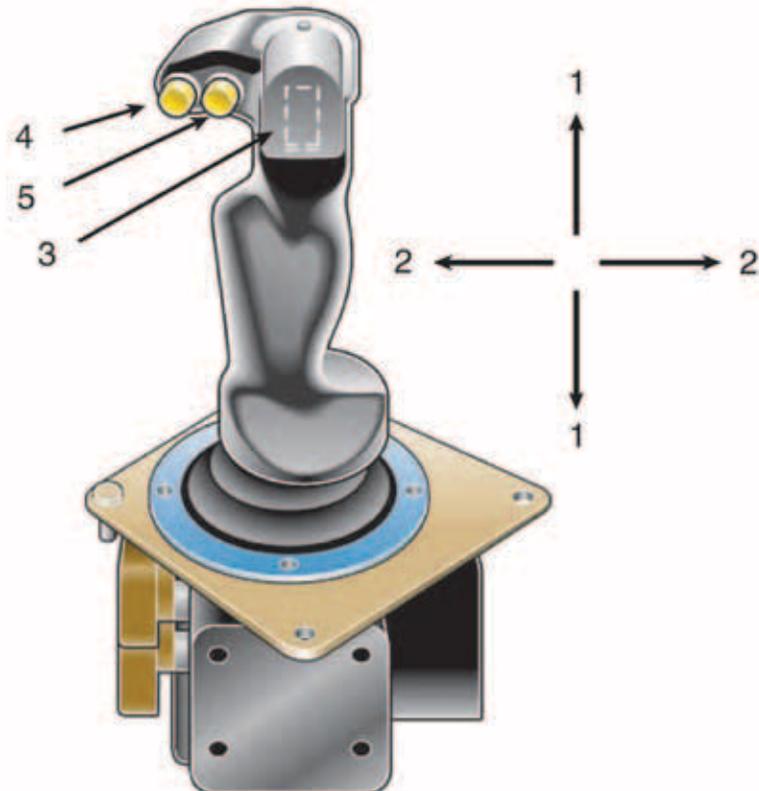
- Excellent visibility to bail, cutting edge and bowl for best loading performance
- Transmission hold maintains gear selection for optimum loading
- Dual throttle pedals for independent front and rear engine control
- Single joystick control replaces three implement levers
- Differential lock improves traction during loading, reducing tire slip and wear
- Hydraulic retarding for braking on grades

Safety

- Hand rails strategically placed for three points of contact
- Seat adjusts for best visibility and access to controls; integrated seat belt
- ROPS/FOPS integrated into cab structure
- Front and rear windshield wipers
- Optional secondary steering helps maneuver the machine when primary steering is down
- Four braking systems: primary, secondary, parking and hydraulic retarding (optional)

Instruments

- 1) Bowl (up/down), 2) Ejector (forward/back), 3) Thumb rocker switch, apron, 4) Transmission hold, 5) Cushion hitch, Trigger switch (not shown) bail control
- Simple gauge cluster is easy to read
- 637G dash can display either front or rear engine data
- Backlit switches are close at hand, and messaging alerts technicians and operator to service needs



Power Train – Engine

Heavy duty diesel technology for performance and efficiency



ACERT™ Technology

- U.S. EPA Tier 3, EU Stage IIIA emissions compliant
- Controlled combustion using proven systems, like cross flow cylinder heads for clean air, better circulation
- Rate shaping manages emissions in the combustion cycle, delivering fuel at the right time and pressure

Cat C18 Engine – Tractor

- Excellent power density, load response across the curve
- MEUI matches injection timing and quantity to load. High compression improves cold start, performance.

Cat C9 Engine – Scraper

- Stronger block and head than previous models
- Coolant, oil flow design improves cooling for durability
- Leak free technology eliminates metal-on-metal sealing
- Articulated two-piece piston with forged steel crown improves thermal stability and strength
- Forged steel crankshaft, induction hardened fillets and journal for greater durability
- ADEM™ A4 ECM cold start strategy protects the engine, reduces white smoke and warm up time
- Automatic altitude compensation
- MEUI improves combustion with fuel atomization

Electronic Control Module (ECM)

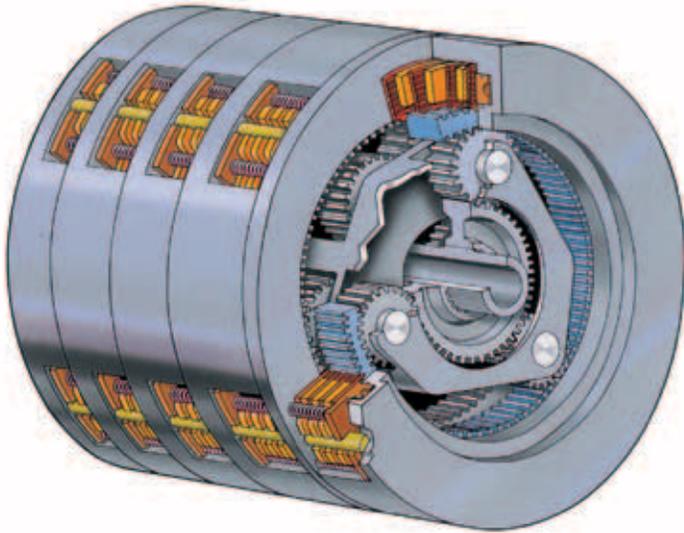
Optimize machine performance with advanced engine management

- Dual power delivers torque converter drive (gears 1-2), and higher power for quick acceleration (gears 3-8)
- Control throttle shifting synchronizes transmission and engine speeds during gear shifts, reducing power train stress for longer component life, smoother shifts
- Automatic ether injection during engine cranking ensures reliable engine start-up in extreme cold
- Directional shift management engages speed clutches before directional clutches, reducing power train wear
- Raises rpm during idle to maintain battery charge

Engine Speed Lock

Holds a set engine speed without accelerator pedal





Power Train – Transmission

Integrated electronics monitor the power train extending component life

Planetary Powershift Transmission Is Electronically Controlled

- Tractor gears 1-2 – converter drive for increased torque, gears 3-8 – direct-drive for drive train efficiency. Scraper gears use converter drive for more torque in the cut.
- Transmission Hold maintains converter drive for max rimpull, or holds current gear for best control
- Programmable Top Gear manually sets top gear available (3rd-8th) to match conditions or speed
- Neutral Coast Inhibitor prevents transmission shifts into neutral while moving
- Hydraulic Retarder (optional) reduces service brake wear and enhances machine control

Final Drives

- Outboard-mounted, planetary design reduces torque loads
- Double-row roller bearings and Duo-Cone™ seals assure reliability
- Differential Lock improves traction in slippery conditions, reducing tire wear

Brake Performance

- Wide brake shoes and brake drums improve brake performance and reduce brake and drum wear
- Separate front and rear circuits. Secondary brakes engage automatically if service pressure drops.
- Parking Brake features a spring-applied, air-released mechanism that operates the service brakes

Electronic Controls

Optimized machine performance and advanced diagnostic capabilities



Benefits of Electronic Control Modules (ECMs)

ECMs (3 on the tractor, 2 on rear-powered scrapers) offer:

- Better fuel economy by optimizing engine settings
- Greater reliability with operator warnings if problems arise
- Combining tractor and rear powered-scraper monitoring systems (637G), easy access diagnostics, more durable components improves serviceability
- Reduced exhaust smoke by optimizing the fuel/air ratio during cranking, starting and acceleration
- Air filter restriction indicator alerts operator if filter exceeds allowable limit
- Periodically raises engine rpm during low idle to keep the batteries fully charged

Combined Electronic Monitoring System (EMS III)

Monitors both the tractor and scraper status on the 637G; access fault codes from one location. The tractor and powered scraper use the same controller for parts commonality and easier servicing.

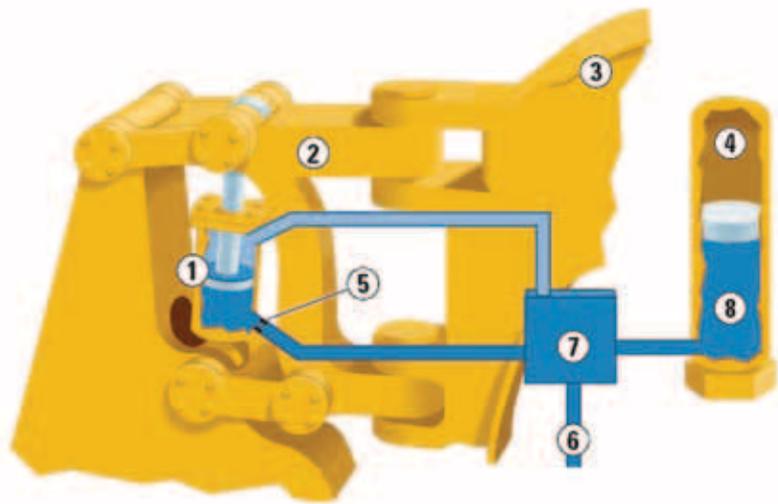
Product Link Ready

This wireless system lets the customer track location, service meter hours and machine health information. Can also issue alerts if the machine is operated beyond owner defined time and location limits.

Easy Access Diagnostics Means Faster Problem Solving

Diagnostic codes, via the Electronic Technician (Cat ET), and a radio call can often let the service technician know which tools, manuals, and possibly even replacement parts to bring.





Cushion Hitch

Superior design and construction delivers long term durability

Cushion Hitch

The electronically actuated cushion hitch has a parallelogram-type linkage for exceptional strength with nitrogen accumulator (4) and free-floating piston (8) to deliver a smooth ride for enhanced operator comfort.

- controlled oil flow (6) dampens rebound oscillation
- leveling valve (7) applies pressure via an orifice (5) to automatically center piston in load cylinder (1) for all loads
- steel castings are used to eliminate many welded joints and increase strength
- double-kingbolt design (2 and 3) withstands high external forces and simplifies installation and removal

Lockout Switch

An operator-selectable lockout switch, located on the joystick, locks the cushion hitch for improved control of the cutting edge during loading and dumping.

Nitrogen Accumulator

Vertically mounted hydraulic cylinder transfers road shocks to the nitrogen accumulator. Nitrogen accumulator absorbs and dampens road shocks, thus preventing the loads from being transmitted to the operator.

Scraper Bowl

Designed for fast and precise loading and controlled ejection



Redesigned Bowl With Low Profile Design

Excellent productivity with a 26 m³ (34 yd³) bowl and a low profile design offers less resistance to incoming materials, while cellular construction adds strength and dent resistance to bowl sides and floor.

Bulldozer Ejection System

Combines constant spreading control with minimum carryback. An available spill guard on the ejector helps retain material and limits spills onto the rear of the scraper.

Push-Loading

For maximum productivity, the 631G should be push loaded by a D9 or D10 Track-Type Tractor.

Cutting Edges and Cat Ground Engaging Tools (GET)

May be adjusted according to job conditions. For most efficient loading, use the thinnest cutting edge that provides satisfactory wear life and impact resistance.

Tandem Engines (637G), Dual Horsepower

The 637G offers twin engine performance to ensure adequate power to handle steep grades, and all wheel drive for soft, slippery underfoot conditions. Dual horsepower delivers increased power during the haul, which results in faster cycle times.

Material Appetite

Well suited to handle a wide variety of material from clay to shot rock.



Coal Bowl

Purpose-built to meet application specific needs

Dual Engines and All-Wheel-Drive

Dual engine Coal Bowl Scrapers achieve maximum payloads and deliver fast cycle times. With all-wheel drive, the machine can work effectively in poor underfoot conditions and climb piles of slippery, loose coal.

Greater Bowl Capacity

Coal Bowls are longer and higher than standard scraper bowls, giving a 637G a capacity of 38 m³ (50 yd³).

Compaction Capability

With their rubber tires, wheel tractor-scrappers make excellent coal pile compactors, mitigating the trouble caused by excessive air space in the coal pile. Compaction is further assisted by the machine's ability to place the coal in thin layers.

Reclaiming Coal from the Stockpile

When the time comes to tap reserve coal piles, nothing hauls large quantities more efficiently than a wheel tractor-scraper. It's a reliable hauling solution for quick coal pile management, ensuring coal is where it needs to be to keep the plant running.

Building the Coal Stockpile

With all-wheel drive performance, a wheel tractor-scraper can do the work of building the pile, and supplying it from the receiving area with fast cycles and the lowest cost per ton.

Push-Pull (637G)

A self-loading arrangement



Combined Power Increases Production

The lead machine enters the cut and is pushed by the trailing machine. When machine 2 begins its load cycle, machine 1 pulls it.

Balanced, Flexible Fleet

Fewer machines and less investment than comparable self-loading or push-loading systems.

Hydraulically Actuated Bail

The push-pull arrangement uses a hydraulically actuated bail and cushioned plate bolted to the front of the tractor, and a hook that is attached to the rear of the scraper.





Support

Cat Dealer services

Product Support

You will find nearly all parts at your dealer parts counter. Cat dealers use a world-wide computer network to find in-stock parts to minimize machine down time. Save money with genuine Cat Reman parts. You receive the same warranty and reliability as new products at substantial cost savings.

Operation

Better operating techniques can help maximize your machine investment. Cat dealers have resources to help improve productivity, and Caterpillar offers certified operator training classes on most machines.

Machine Selection

Compare machines under consideration before purchase. Cat dealers can estimate component life, preventive maintenance cost, and the true cost of lost production.

Purchase

Consider financing options as well as day-to-day operating costs. Look at dealer services that can be included in the cost of the machine to yield lower equipment owning and operating costs over time.

Maintenance Services and Customer Support Agreements

Talk to your dealer about the range of available maintenance services like S·O·SSM Analysis and Coolant Sampling. Repair option programs guarantee the cost of repairs up front. Cat dealers offer a variety of product support agreements that can meet customers' specific needs. These plans can cover the entire machine, including attachments, to help protect your investment.

Repair, Rebuild, or Replace?

Your Cat dealer can help you evaluate the cost involved so you can make the right choice.

Serviceability

Easy to Maintain – Easy to Service



Engine Service Points

- Maintenance/service points grouped on the right side
- Grouping fluid fill and check points, filters and sampling ports shortens maintenance times
- Electronic Monitoring System (EMS) provides real-time information to the operator of system warnings
- Electronic Technician (Cat ET) displays real-time system data to better inform the service technician



Implement Valve Relocation

The implement valve is relocated from the tractor to the top of the scraper draft tube, reducing the number of hoses and tubes crossing over the gooseneck. This reduces potential leak points and improves service access.



Scraper Electrical Harness and One Piece Power Block

The flexible ribbon wiring harness oscillates with the machine, and polyurethane boots offer better protection against the elements. The jump-start receptacle and disconnect switch are integrated into a one-piece power block, with a lockable cover, for better electrical integrity and serviceability.



Electro-Hydraulic Implement Control Simplifies Serviceability

Removing the cab pilot valve and associated lines improves reliability and reduces noise. The high efficiency electro-hydraulic pilot oil filter provides cleaner oil for the pilot system.

631G/637G Wheel Tractor-Scrapers Specifications

Engine

Tractor Engine	Cat C18 ACERT™	
Scraper Engine	Cat C9 ACERT	

Tractor Engine

Net Power	345/ 373 kW	462/ 500 hp
Gross Power – Gears 1-2	364 kW	488 hp
Gross Power – Gears 3-8	392 kW	526 hp
Net Power – Gears 1-2	345 kW	462 hp
Net Power – Gears 3-8	373 kW	500 hp
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18 L	1,078 in ³

- Net power advertised is the power available at rated speed of 1,800 rpm, measured at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Scraper Engine

Net Power	198/ 211 kW	266/ 283 hp
Gross Power – Gear 1	213 kW	286 hp
Gross Power – Gears 2-4	226 kW	303 hp
Net Power – Gear 1	198 kW	266 hp
Net Power – Gears 2-4	211 kW	283 hp
Bore	112 mm	4.4 in
Stroke	149 mm	5.9 in
Displacement	8.8 L	538 in ³

- Net power advertised is the power available at rated speed of 2,200 rpm, measured at the flywheel when the engine is equipped with fan, air cleaner, muffler and alternator.

Scraper Bowl

Capacity Heaped	26 m ³	34 yd ³
Rated Load	37 285 kg	82,200 lb
Capacity Struck	18.3 m ³	24 yd ³
Depth of Cut – max.	426 mm	16.8 in
Width of Cut, to Router Bits	3512 mm	138.3 in
Ground Clearance – max.	533 mm	21 in
Cutting Edge – thickness	28 mm	1.12 in
Hyd. Penetration Force – 631G	255 kN	57,375 lb
Hyd. Penetration Force – 637G	360 kN	81,000 lb
Depth of Spread – max.	545 mm	21.4 in
Apron Opening	2007 mm	79 in
Apron Closure Force	170 kN	38,250 lb

Transmission

1 Forward	5.4 km/h	3.4 mph
2 Forward	9.7 km/h	6 mph
3 Forward	12.4 km/h	7.7 mph
4 Forward	16.8 km/h	10.4 mph
5 Forward	22.5 km/h	14 mph
6 Forward	30.4 km/h	18.9 mph
7 Forward	39.9 km/h	24.8 mph
8 Forward	51.7 km/h	32.1 mph
Reverse	9.8 km/h	6.1 mph

Hydraulics

Bowl Cylinder Bore	184 mm	7.2 in
Bowl Cylinder Stroke	873 mm	34.4 in
Apron Cylinder Bore	210 mm	8.2 in
Apron Cylinder Stroke	727 mm	28.6 in
Ejector Cylinder Bore	210 mm	8.2 in
Ejector Cylinder Stroke	1880 mm	74 in
Steering Circuit	379 L/min	100 gal/min
Scraper Circuit	344 L/min	91 gal/min
Cushion Hitch Circuit	27 L/min	7 gal/min
Secondary Steering Circuit	389 L/min	103 gal/min
Relief Valve – Steering Circuit	13 500 kPa	1,958 psi
Relief Valve – Implement Circuit	15 000 kPa	2,176 psi
Compensator Setting – Cushion Hitch Circuit	16 000 kPa	2,320 psi

- Flow rates measured at 1,900 rpm
- Supplemental steering measured at 24 km/h (14.9 mph)

Steering

Width – 180° Turn	12.2 m	40 ft
Steering Angle – right	90°	
Steering Angle – left	90°	

- Steering system meets ISO 5010:1992 and SAE J1511:FEB 94 up to maximum total machine weight of 65 000 kg (143,300 lb) for standard machine with optional secondary steering installed.
- Steering circuit at 1,900 rpm

631G/637G Wheel Tractor-Scrapers Specifications

Service Refill Capacities – Tractor

Crankcase	65 L	17 gal
Transmission	90 L	24 gal
Differential	138 L	36 gal
Final Drive (per side)	21 L	5.5 gal
Cooling System	90 L	24 gal
Hydraulic Reservoir	274 L	72 gal
Wheel Coolant (each)	75 L	19.8 gal
Windshield Washer	6 L	1.5 gal

Service Refill Capacities – Scraper

Fuel Tank – 637G	1268 L	335 gal
Crankcase	30 L	7 gal
Transmission	51 L	13 gal
Differential	27 L	7.1 gal
Final Drive (per side)	23 L	6.1 gal
Wheel Coolant (each)	75 L	19.8 gal
Cooling System	58 L	15 gal

Weights – Standard, tandem

Total Shipping	50 943 kg	112,310 lb
Tractor Shipping	30 597 kg	67,454 lb
Scraper Shipping	20 346 kg	44,856 lb
Total Operating – empty	51 963 kg	114,559 lb
Front Axle	30 690 kg	67,661 lb
Rear Axle	21 273 kg	46,898 lb
Total Operating – loaded	88 976 kg	196,159 lb
Front Axle Weight – loaded	44 295 kg	97,653 lb
Rear Axle Weight – loaded	44 682 kg	98,506 lb

Weights – Push-Pull

Total Shipping	53 037 kg	116,926 lb
Tractor Shipping	32 570 kg	71,804 lb
Scraper Shipping	20 467 kg	45,123 lb
Total Operating – empty	54 057 kg	119,175 lb
Front Axle	32 663 kg	72,010 lb
Rear Axle	21 394 kg	47,165 lb
Total Operating – loaded	91 070 kg	200,775 lb
Front Axle – loaded	46 268 kg	112,002 lb
Rear Axle – loaded	44 803 kg	98,773 lb

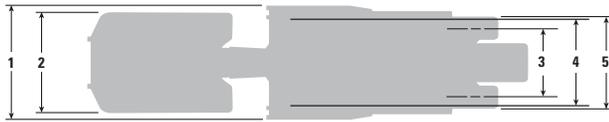
Standards

Cab

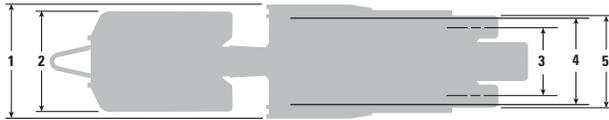
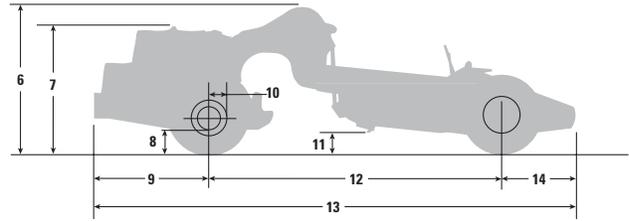
- Rollover Protective Structure (ROPS) meets ISO 3471:1994-1997
- Falling Object Protective Structure (FOPS) meets ISO 3449:1992 Level II
- The operator sound exposure Leq (equivalent sound pressure level) measured according to the procedures specified in ISO 6394:1998 is less than 80 dB(A) for the cab offered by Cat, when properly installed and maintained and tested with the doors and windows closed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained or doors/windows open) for extended periods or in noisy environments.
- Standard air conditioning system contains environmentally friendly R134a refrigerant.

Dimensions

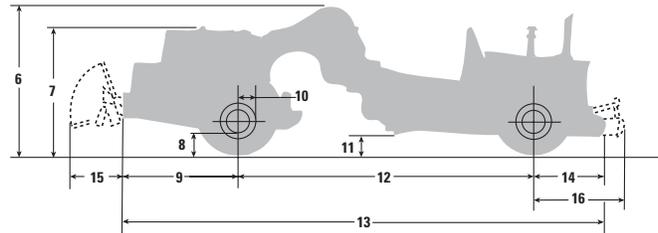
All dimensions are approximate.



631G



637G



	mm	in
1 Width – overall machine	3938	155
2 Width – tractor	3500	138
3 Width – rear tire center lines	2464	97
4 Width – inside of bowl	3405	134
5 Width – outside rear tires	3636	143.2
6 Height – overall shipping	4286	168.8
7 Height – top of cab	3682	145
8 Ground clearance, tractor	662	26.1
9 Front of tractor to front axle	3490	137.4
10 Axle to vertical hitch pin	548	21.6
11 Height – scraper blade maximum	545	21.5
12 Wheelbase	8768	345
13 Length – overall machine	14 708	579
14 Rear axle to rear of machine	2450	96.5
15 Bail length – maximum (push-pull)	1651	65
16 Extended push block (push-pull)	2729	107

631G/637G Wheel Tractor-Scrapers Specifications

Weights

(approximate)

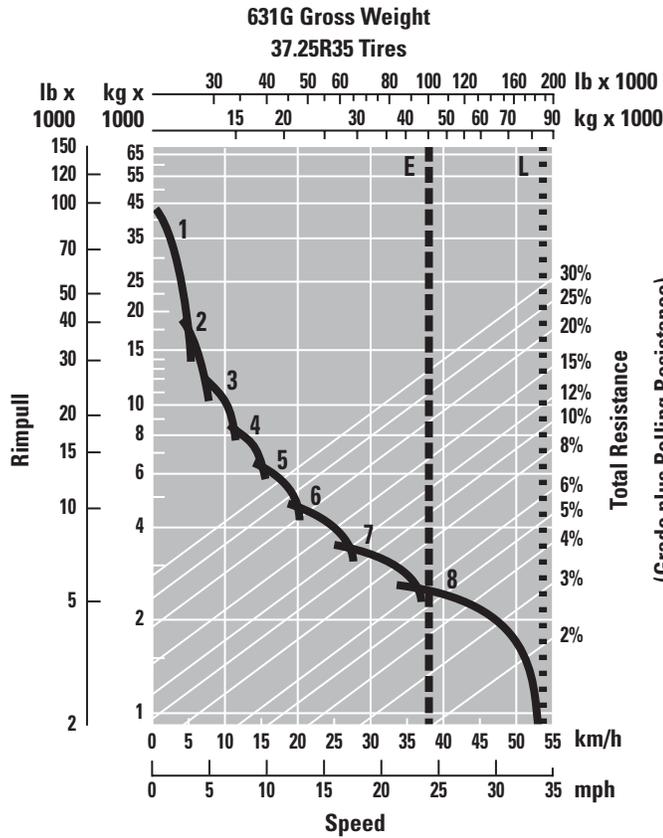
Model	631G		637G		637G	
			Standard		Push-Pull	
	kg	lb	kg	lb	kg	lb
Shipping, with ROPS cab and 10% fuel						
Front axle	65%		60%		61%	
	30 578	67,413	30 597	67,454	32 570	71,804
Rear axle	35%		40%		39%	
	16 368	36,086	20 346	44,856	20 467	45,123
Total 100%	46 947	103,499	50 943	112,310	53 037	116,926
Operating empty, with ROPS cab, full fuel tanks and operator						
Front axle	64%		59%		60%	
	30 672	37,620	30 690	67,661	32 663	72,010
Rear axle	36%		41%		40%	
	16 956	37,382	21 273	46,898	21 394	47,165
Total 100%	47 628	105,002	51 963	114,559	54 057	119,175
Loaded, based on a rated load of 37 013 kg (81,600 lb)						
Front axle	52%		50%		50%	
	42 276	97,612	44 295	97,653	46 268	112,002
Rear axle	48%		50%		50%	
	40 365	88,990	44 682	98,506	44 803	98,773
Total 100%	84 641	186,602	88 976	196,159	91 070	200,775

Transmission

	km/h	mph
Forward		
1	5.4	3.4
2	9.7	6.0
3	12.4	7.7
4	16.8	10.4
5	22.5	14.0
6	30.4	18.9
7	39.9	24.8
8	51.7	32.1
Reverse	9.8	6.1

Gradeability/Speed/Rimpull

To determine gradeability performance: Read from gross weight down to the percent of total resistance. Total resistance equals actual percent grade plus 1% for each 9 kg/t (20 lb/ton) of rolling resistance. From this weight-resistance point, read horizontally to the curve with the highest obtainable gear, then down to maximum speed. Usable rimpull will depend upon traction available and weight on drive wheels.

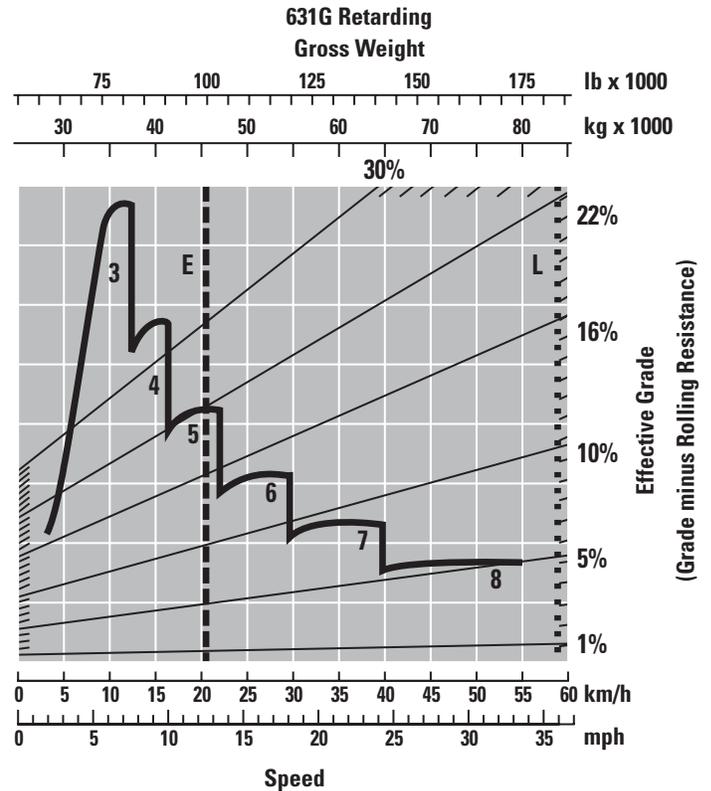


- 1 – 1st Gear Torque Converter Drive
- 2 – 2nd Gear Torque Converter Drive
- 3 – 3rd Gear Direct Drive
- 4 – 4th Gear Direct Drive
- 5 – 5th Gear Direct Drive
- 6 – 6th Gear Direct Drive
- 7 – 7th Gear Direct Drive
- 8 – 8th Gear Direct Drive

- E – Empty 46 475 kg (102,460 lb)
- L – Loaded 83 760 kg (184,660 lb)

Retarding

To determine retarding performance: Read from gross weight down to the percent effective grade. (Effective grade equals actual percent grade minus 1% for each 9 kg/t (20 lb/ton) of rolling resistance). From this weight-effective grade point, read horizontally to the curve with the highest obtainable speed range, then down to maximum descent speed the retarder can properly handle.



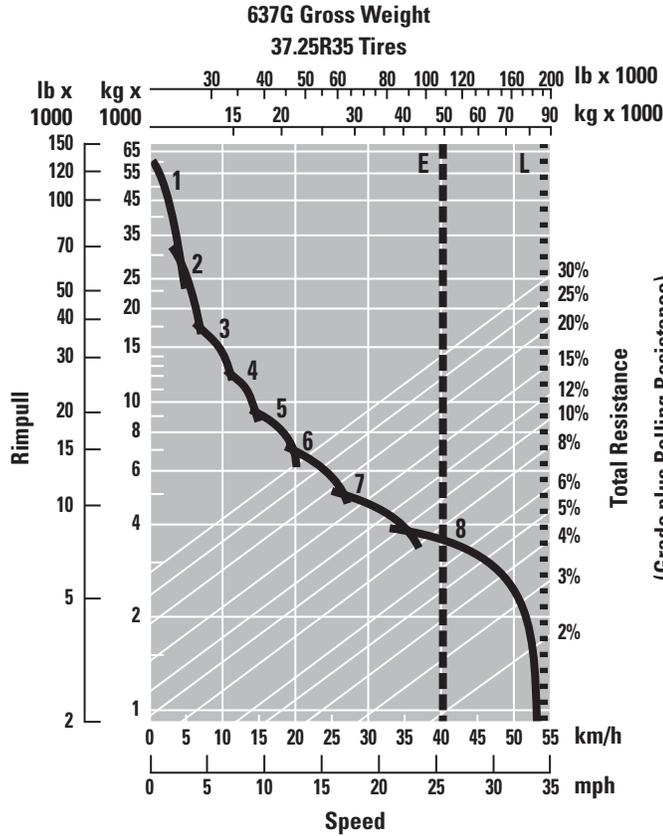
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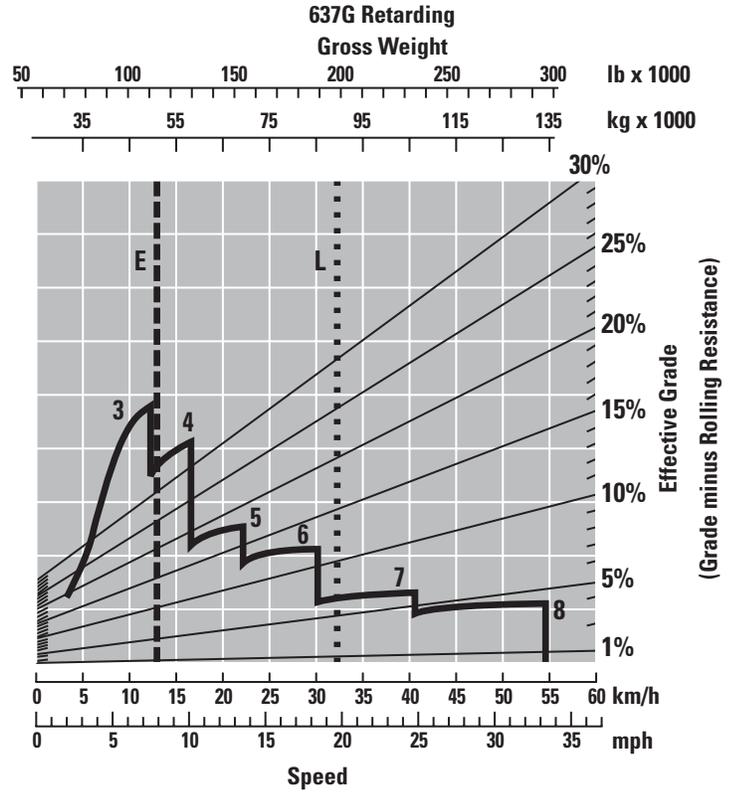


- 1 - 1st Gear Torque Converter Drive
- 2 - 2nd Gear Torque Converter Drive
- 3 - 3rd Gear Direct Drive
- 4 - 4th Gear Direct Drive
- 5 - 5th Gear Direct Drive
- 6 - 6th Gear Direct Drive
- 7 - 7th Gear Direct Drive
- 8 - 8th Gear Direct Drive

- E - Empty 52 047 kg (114,745 lb)
- L - Loaded 89 332 kg (196,944 lb)

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- 7 - 7th Gear Direct Drive
- 8 - 8th Gear Direct Drive

- E - Empty 52 047 kg (114,745 lb)
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Standard equipment may vary. Consult your Cat dealer for details.

ELECTRICAL

Alarm, backup
 Alternator, 80 amp – tractor engine
 Alternator, 35 amp – scraper engine (637G)
 Batteries (4), 12V Maintenance Free, High Output, tractor
 Batteries (2), 12V Maintenance Free, High Output, scraper (637G)
 Electrical System, 24V
 Lighting System – Tractor
 Directional Signals; Hazard Lights; Headlights, halogen with dimmer; Floodlight, cutting edge
 Lighting System – Scraper
 Directional Signals; Hazard Lights; Stop/Tail
 Starting Receptacle – tractor, scraper
 Lights, side vision

OPERATOR ENVIRONMENT

Air Conditioner (heater, defroster)
 Diagnostic Connection Port (12V)
 Dome Courtesy Light
 Fan, Defroster
 Gauge Group
 Air Pressure, Converter/Retarder Temperature, Electronic Monitoring System (EMS III), Engine Coolant Temperature, Actual Transmission Gear Indicator, Fuel, Speedometer, Tachometer, Transmission Gear Indicator
 Horn
 Implement Control Joystick
 Rearview Mirrors
 Radio Ready (two bays, speakers, 5-amp converter)
 ROPS Cab with Sound Suppression and Pressurization
 Static Seatbelt
 Scraper Engine Controls (637G)

Seat, Air Suspension, Cat Comfort, cloth
 Steering Wheel – tilt and telescoping
 Storage Compartment
 Engine Speed Control Lock
 Transmission Hold
 Windows – sliding side, swingout
 Windshield – laminated glass
 Windshield Wiper/Washer – front and rear

POWER TRAIN

Engine
 Electronic Unit Injection (EUI)
 Electric start, 24V
 Fan, suction
 Ground level engine shutdown
 Heaters, engine coolant, 120V, tractor
 Heaters, engine coolant, 120V, scraper (637G)
 Muffler
 Starting Aid, ether
 Thermo-shield, laminated
 Tractor:
 Cat C18 with ACERT™ Technology
 6 cylinder diesel, MEUI
 (Mechanical Electronic Unit Injection)
 Air Cleaner, dry-type with precleaner
 Guard, crankcase
 Radiator, NGMR (9 fins per inch)
 Retarder, hydraulic (637G only)
 Scraper (637G):
 Cat C9 with ACERT technology
 6 cylinder diesel, MEUI
 (Mechanical Electronic Unit Injection)
 Radiator, brazed aluminum core, composite tanks (9 fins per inch)
 Braking System
 Parking/Primary/Secondary
 Shields – brake
 Transmission

Tractor:

8-speed automatic Powershift with Electronic Control
 Control throttle shifting
 Differential – lockup
 Downshift inhibitor
 Neutral coast inhibitor
 Programmable top-gear selection
 Scraper (637G):
 4-speed Automatic Power shift with Electronic Control

OTHER STANDARD EQUIPMENT

Extended Life Coolant, -36° C (-33° F)
 Fan hub, permanent lube
 Fast oil change
 Fenders
 Rims – 35 in (2)
 Tires, 37.50-R35 radial
 Tractor:
 Air dryer
 Cushion hitch
 Guard, power train
 Locks, vandalism (oil fill, dipstick)
 Product Link ready
 Tow Pins – front and rear
 Scraper:
 Air inlet heater
 Batteries, Heavy-Duty
 Crankcase Guard, Heavy-Duty
 Fuel System, fast fill
 Rims – 35 inch (2)
 Tires, 37.50-R35 radial
 Tractor:
 Air dryer
 Cushion hitch
 Locks, vandalism (oil fill, dipstick)
 Product Link ready
 Tow Pins – front and rear

631G/637G Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

		kg	lb			kg	lb
631G			637G			Retarder, hydraulic (scraper)	
Fenders, scraper	121	266	Push-pull arrangement (scraper)	489	1,078	Steering, secondary	50 110
Retarder, hydraulic (631G only)	150	330	Retarder, hydraulic (tractor)	150	330		
Steering, secondary	50	110					

631G/637G Wheel Tractor-Scrapers

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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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