

## CASE Launches All-New G Series Wheel Loaders

Seven new models span 141 to 347 horsepower with bucket capacities ranging from 2.1 to 6.25 cubic yards; new loaders combine powerful yet efficient engine technology with strong hydraulics and an all-new operator environment and controls.

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[CASE Construction Equipment](#) introduces the all-new G Series wheel loaders, spanning seven new models scaled for work ranging from supply yards, building construction and agriculture up to quarries and mass excavation. The new introduction brings the entire product line to Tier 4 Final compliance featuring Selective Catalytic Reduction (SCR) engine technology that increases fuel efficiency, keeps exhaust temperatures down and eliminates regeneration or lifetime diesel particulate filter (DPF) costs/maintenance.

An all-new operator environment, controls and interface make the G Series the most intuitive and easy-to-operate wheel loaders CASE has ever produced, and packages/options are available to optimize G Series Wheel Loaders for work in specialty applications such as waste/scrap, agriculture and snow removal. Efficiencies in power/output, maintenance and operator ergonomics/interaction – combined with CASE ProCare – provide an exceptionally low and predictable total cost of ownership/productivity across the entire product line.

The new G Series line includes:

Model/Spec	521G	621G	721G	821G	921G	1021G	1121G
<b>HP (gross)</b>	141	172	195	230	255	320	347
<b>Bucket Capacities</b>	2.1 – 2.6 cubic yards	2.5 – 4.5 cubic yards	3.0 – 5.5 cubic yards	3.5 – 4.5 cubic yards	4.0 – 4.75 cubic yards	4.75 – 5.5 cubic yards	5.25 – 6.25 cubic yards
<b>Breakout Force</b>	20,937 pounds (9 497 kg)	27,282 pounds (12 375 kg)	33,810 pounds (15 336 kg)	40,608 pounds (18 420 kg)	42,254 pounds (19 116 kg)	49,787 pounds (22 583 kg)	56,245 pounds (25 512 kg)

### The Business End

CASE G Series wheel loaders feature a broad range of bucket and linkage options to optimize each machine to its application. Linkage options include Z-bar (best breakout force and general operation), XR (extended reach) and XT (tool carrier/parallel-lift configuration for best handling stacked/palletized materials). Each loader comes standard with a four-speed PowerShift transmission, and an optional five-speed transmission with lock-up torque converter is available on the 721G, 821G and 921G for roading speeds up to 25 miles per hour (MPH)/40 kilometers per hour (KPH).

Each loader also provides a number of tire and axle options based on operating environment. The 521G through the 821G feature a standard limited slip differential that equally supplies torque to each side of the axle and automatically applies additional torque to the gripping tire. The 921G through the 1121G feature a heavy-duty axle with open differential that is ideal for working on hard packed or improved surfaces, especially when using solid tires. All models are available with an optional heavy-duty axle with auto-locking front differential that is also ideal for use on hard surfaces and with solid tires and, depending on conditions, can transmit 100 percent of the front axle tractive effort to the gripping wheel.

### **Power and Productivity**

Each CASE G Series wheel loader is powered by FPT engines that feature SCR technology to meet Tier 4 Final standards. CASE was the first to introduce SCR into heavy construction equipment and has the industry's most practical SCR experience in the field. Each loader leverages the best in hydraulic and electronic technologies to fully optimize machine output and performance, providing a comprehensive solution that achieves exponential fuel savings compared to the competition and older equipment. These systems combine to provide the operator with a choice of four operating modes that best match engine output to application, ensuring the machine only expends as much fuel and power as required for the job.

SCR also allows the engine to breathe cooler and cleaner, ensuring optimal productivity and helping to minimize wear associated with excessive heat and the possibility of thermal events. As an aftertreatment system, there is no recirculation of gasses, no excessive exhaust temperatures related to burning off captured particulate matter and no downtime for regeneration. With the exception of adding diesel exhaust fluid (DEF), there are no new or intensive maintenance activities required of the system. This all results in a greater percentage of the machine's power and fuel burn going to productive efforts.

### **Clean, Cool Operation**

All CASE wheel loaders feature innovative cooling technologies that keep operating temperatures down, keep the engine compartment clean, and – in the case of the 521G through 921G – have allowed for a unique positioning of the engine that ultimately provides excellent balance and stability for both roading and the hardest digging/loading applications. The 521G through the 921G include the CASE-exclusive mid-mounted CASE cooling module, which features coolers positioned in a cube design that ensures access to clean and cool ambient air, while also limiting debris buildup and providing easy access for routine cleaning. An optional variable-speed reversing fan further minimizes the need for manual cleaning. As a result, CASE design engineers were able to push the engine lower and further back into the machine, improving weight distribution and stability, and allowing for a sloped rear hood that provides excellent rear visibility and helps achieve ground-line access to all regular service items.

The 1021G and 1121G feature the CASE cooling cube, which also provides direct access to fresh air for each cooler – nothing is stacked – and features a reversible fan and easy access for cleaning. G Series wheel loaders feature an electric rear hood lift that allows for easy access to the engine compartment for excellent ground-line serviceability – all major regular service points can be accessed from ground level.

### **Next-Generation Operating Environment**

The G Series wheel loaders feature the most intuitive, comfortable and easy to operate/manage environment of any CASE wheel loader ever produced. Inspired heavily by automotive design, the new cab features the latest in electro-hydraulic controls, ergonomic design and operator interfaces that make operation simpler and more efficient. This includes a solid-state controller that provides software control over electrical power distribution and basic vehicle functions – all while eliminating fuses and relays, and significantly lowering the amount of wiring throughout the machine. A membrane keypad replaces a series of rocker switches for common machine functions, and a new steering console mimics the driver controls – from lights and wipers to turn signals – found in most cars/trucks.

The brains of the machine all connect back to a new eight-inch LCD monitor that provides the operator with simple control and greater insight over many of the loader functions and activities. This includes changing displays for day and night operation, information on operating parameters such as fuel levels, temperatures and pressure readings, trip information, an optional integrated rearview camera, and fingertip selection of operating modes and features such as Auto Idle and Auto Shutdown.

The cab was also engineered to bring a new level of comfort and ergonomics to the operator. This includes three seat options, including a premium heated air-ride seat, and seat positioning, control adjustability and leg room that provides ideal comfort adjustability for operators of all sizes.

Greater visibility to all sides of the machine is further achieved by a new, one-piece rounded windshield, a rear grid defroster and redesigned external mirrors more optimally placed to prevent operator fatigue. These loaders also feature an all-new HVAC system that achieves the fastest cab cool-down of any loader in the industry, and excellent heating/defrosting/defogging capabilities.

The operator environment is further accentuated with new automotive-style plastics on the inside that are more durable and resistant to scratches, and easier to clean. A new Bluetooth radio with full streaming, satellite radio (with optional equipment) and music device compatibility is also available to enhance the operator experience.

### **Know Your Costs**

Every system in the new G Series wheel loaders is engineered together to help produce the greatest amount of production, at the highest rate of uptime, for the lowest total cost of operation. Much of this is achieved with the efficiencies of the engine and related systems, the intuitiveness of the operator environment and the ease of service.

CASE also backs that up with CASE ProCare, which allows G Series owners to fully plan for and understand total operating costs of the machine for the first three years of ownership. ProCare is a suite of product assurances that includes a three-year Advanced CASE SiteWatch™ telematics subscription, a three-year/3,000-hour full-machine factory warranty, and a three-year/3,000-hour planned maintenance contract.

For more information on the all-new G Series wheel loaders, please [visit CaseCE.com](http://www.casece.com).

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CASE Construction Equipment sells and supports a full line of construction equipment around the world, including the No. 1 backhoe loaders, excavators, motor graders, wheel loaders, vibratory compaction rollers, crawler dozers, skid steers, compact track loaders and rough-terrain forklifts. Through CASE dealers, customers have access to a true professional partner with world-class equipment and aftermarket support, industry-leading warranties and flexible financing. More information is available at [www.CaseCE.com](http://www.CaseCE.com).

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