



D SERIES WHEEL LOADERS
521D/621D/721D



BUCKETS/ATTACHMENTS

Bucket design provides quick, complete fills



Newly designed D Series buckets more efficiently slice into the pile and fill more quickly and fully than ever before. The new bolt-on cutting edge has been redesigned to penetrate the pile like a knife.

Material quickly moves up the 5-degree angled floor plate for a rapid fill and full bucket every time. Raised bucket hinges offer increased leverage and help thrust the bucket forward during rollback for optimum productivity. Bucket skid plates are tapered to provide ample bucket support with reduced rubbing.

A wide array of attachments enhance the versatility of the machine and make it adjustable to a variety of load-and-carry applications.



Hydraulic Quick Coupler — For quick and easy attachment changes, the optional hydraulic quick coupler saves time and boosts productivity.



Jib booms



Forks



Scrap grapples



Pipe forks



Side-dump buckets



4-in-1 buckets

D SERIES AT A GLANCE

Quick Specs

Model/SAE net hp	Max. bucket cap.	Lift capacity	Engine displacement
521D 110 net hp (82 kW)	2.50 yd ³ (1.90 m ³)	23,634 lb (10 720 kg)	275 in ³ (4.5L)
621D 135 net hp (101 kW)	3.00 yd ³ (2.30 m ³)	25,714 lb (11 664 kg)	409 in ³ (6.8L)
721D 170 net hp (127 kW)	3.50 yd ³ (2.70 m ³)	30,083 lb (13 645 kg)	409 in ³ (6.8L)

Complete wheel loader performance

Today's challenging material-handling applications require a wheel loader with superior traction, push power, lift capacity and quiet, fuel-efficient operation.

Case demands even more from its rugged D Series line of wheel loaders. Things like comfort, ease of operation and exclusive features that bring new meaning to the term "productivity."

From rubber to roof — bucket to counterweight — Case D Series wheel loaders deliver smart engineering and tightly integrated features that make them the machines of choice. In fact, a leading trade magazine's

exclusive testing found an average production advantage of 15 percent over previous models.

An exclusive mid-mount cooling module makes them fuel efficient and long running even in the dustiest environments. Ample horsepower and open-center hydraulics deliver superior breakout forces and lift capacity. Industry-leading ease of maintenance assures maximum uptime. And deluxe cabs provide comfort and an all-around command of the work site.

Case D Series wheel loaders. They'll earn their keep — and your respect.



ENGINE & HYDRAULICS

Case engines deliver the power

Sometimes the leading edge is in the rear. Because the cooling system is between the engine and cab, the engine is seated behind the rear axle to provide ballast that makes the wheel loader more stable for digging and lifting.

All new Family III Case engines meet Tier II certification for lower emissions. Cleaner combustion is achieved

by charge-air cooling, which delivers cooled, denser air to the engine. The result is a cleaner burn and better fuel economy.

Auto Power on the 721D electronic engine increases the horsepower from 170 to 184 when the engine senses the need. The engine automatically matches performance to job demands.

Smart hydraulics boost efficiency

A load-sensing, pressure-compensated hydraulic system on D Series wheel loaders provides optimum flow and power to all hydraulic functions as needed, improving performance on simultaneous operations such as turning and lifting.

The machine senses when more flow and pressure are required and adjusts automatically, providing better fuel economy, more cost-effectiveness and productive operation. The smart hydraulics improve

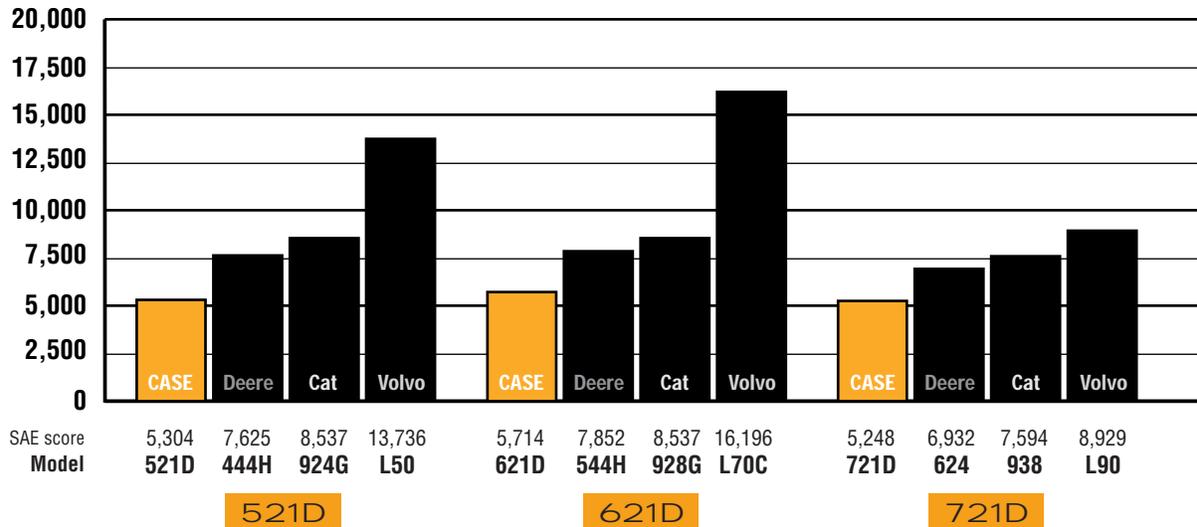
operation when performing more than one function at a time, delivering more power to the wheels.

Flow-amplified steering provides smooth, low-effort turning at all engine speeds, reducing operator fatigue through enhanced control. Quick cycle times are aided by Case-exclusive features such as automatic return-to-dig, return-to-travel and bucket-height-control.



D SERIES — BEST IN CLASS

The Society of Automotive Engineers serviceability index SAE-J817 rates location, access, operation and frequency of service as recommended in the operator's manual. The length of the bar indicates the relative length of time to service. **Shorter bars are better.**



Cab delivers comfort, commanding views

A comfortable operator is a productive operator. With this in mind, Case packed the most comfort and productivity-enhancing features into its D Series cabs.

With expansive cab glass, the operator has superior lines of sight to all areas of the work site. View to the rear is enhanced by the dramatically sloping hood. With adjustable air-suspension seat, increased leg and head room, smartly placed controls and an electronic information center with onboard diagnostics, the operator is in complete command.

Single-lever controls provide easy operation of the loader, transmission downshift, and return-to-dig and return-to-travel features. An F-N-R quick shuttle switch on the loader lever improves efficiency for fast cycle times while maintaining complete control of the steering wheel. Flow-amplified steering delivers low-effort turning even under full load or at low RPMs.



Ride Control cushions the load

With optional Ride Control, D Series wheel loaders hold material in the bucket even over rough terrain. The loader arms work as shock absorbers to cushion the bucket and maintain full loads. Ride Control smoothes out the ride for the operator and allows faster travel speeds.



TOTAL PRODUCTION MACHINES



Improved visibility

View to the rear is improved by the clean, modern design of the dramatically sloping rear hood. The sloping hood is made possible by the mid-mount cooling module, which eliminates the need to enclose large coolers at the rear of the machine.



Quick-raise hood

A push of a button raises the one-piece rear hood for quick access to the cooling module, engine and all daily service points. Ground-level service checks can be completed with no tools.



Remote drains

Drains for coolant, hydraulic oil and engine oil are grouped at ground level at the left rear of the machine for convenient access. The remote drains allow for fast, environmentally friendly fluid changes.

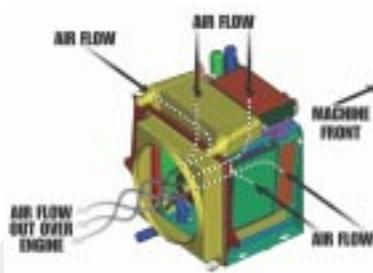


D SERIES WHEEL LOADERS



Operator comfort

Single-lever controls, a convenient electronic information center, air-ride seat and ample leg and head room make D Series the standard for comfort.



Cooling module

The Case-exclusive mid-mount cooling module has an ultra-efficient design that eliminates stacked coolers. The cube shape prevents debris from plugging between coolers, and the reversible hydraulic fan easily purges trapped material for maximum uptime. The system prevents fluid breakdown and extends component life.



Linkage options

D Series wheel loaders come in linkage configurations including traditional Z-Bar, XT tool carrier and extended reach. An optional quick coupler makes switching tools a snap right from the cab.



Buckets fill faster

Larger buckets on D Series wheel loaders quickly penetrate the pile and efficiently “boil” material for rapid fills and more tons moved per hour. The angled floor plate smoothly and quickly transitions material to the back of the bucket.



MAINTAINABILITY/COMFORT

Ease of maintenance means maximum uptime



The best way to ensure proper routine maintenance is to make it easy to perform. When it comes to ease of maintenance, Case has no peer. D Series wheel loaders scored best in class on a Society of Automotive Engineers (SAE) index that rates location, access, operation and frequency of service.

The one-piece flip-up rear hood and easy-lift access panels provide quick access to the engine and cooling module. With the engine mounted at the rear of the

machine, access to daily maintenance points is easy. Routine maintenance can be completed with no tools.

Remote drains for hydraulic oil, engine oil and coolant are conveniently grouped at ground level for easy, environmentally friendly fluid changes.

Keeping D Series wheel loaders in top running shape requires less effort, so you have more time for the really important things — like work.



Ground-level fluid checks make daily maintenance quick and easy.

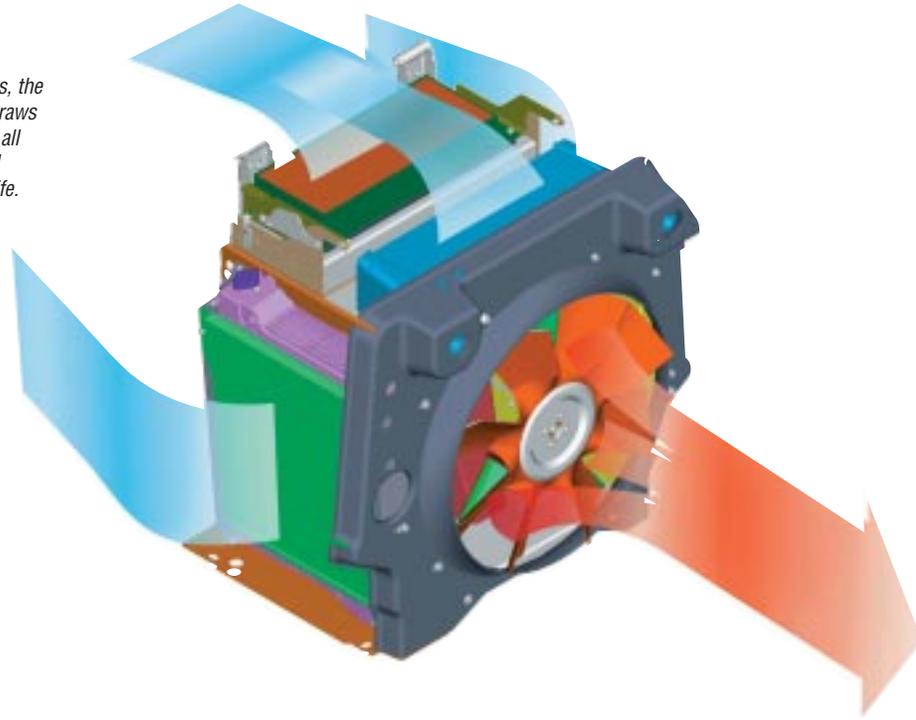


No tools are needed for daily checks.

MID-MOUNT COOLING

Cooling performance starts in the middle

By eliminating stacked coolers, the mid-mount cooling module draws the cleanest, coolest air from all sides for efficient cooling and longer fluid and component life.



The Case-exclusive mid-mount cooling module delivers the freshest, coolest air to coolers fitted into an innovative cube shape. This system delivers clear advantages, with cool air efficiently drawn through independent, externally mounted coolers to protect against fluid breakdown and extend component life.

The system design also keeps performance-robbing debris from plugging between coolers. Even in dusty

conditions or environments with high airborne debris, the exclusive reversible fan — activated right from the cab — quickly purges the system. The hydraulically driven fan runs independently of the engine, delivering quieter, highly efficient cooling performance.

Case delivers longer component life, less fluid breakdown, more uptime and low operating costs. All from the mid-mount cooling module.

Keeping coolers clean with a flip of a switch



In work environments with high levels of dust or airborne debris, the D Series optional reversible fan provides a time-saving solution to cleaning the cooling module.

By engaging a switch in the cab, the operator can quickly reverse the fan and purge the cooling module of dust and debris — saving time and enhancing productivity.

CUSTOMER SUPPORT

The Case dealer: Your solutions provider



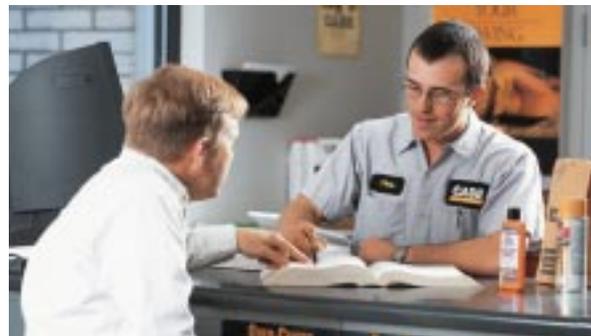
World-class construction equipment is just the start with Case. Your local Case dealer is a total solutions provider. Look to your Case dealer to help find the right size machine, attachments and options to meet job demands.

Case dealers help you maximize machine uptime — and profit. From high-tech tools designed to track equipment and manage a fleet, to service solutions performed right on the job site, Case dealers take the worry out of managing equipment.

Case dealers stand behind the equipment they sell with the strength of factory-trained technicians, a global parts network and outstanding warranties. To get through those high-demand projects, you can rely on your Case dealer for complete purchase, lease and rental solutions.

Through Case Credit, your local Case dealer offers flexible financing options, leasing packages and insurance services to protect your investment.

You need more than great equipment. Case dealers deliver.





D SERIES WHEEL LOADERS 521D/621D/721D

Quick Specs

521D

- **Engine** 110 net hp (82 kW)
- **Bucket capacity** 2.50 yd³ (1.90 m³)
- **Operating weight** 21,603 lb (9799 kg)
- **Lift capacity** 23,634 lb (10 720 kg)
- **Breakout force** 20,951 lb (9503 kg)

621D

- **Engine** 135 net hp (101 kW)
- **Bucket capacity** 3.00 yd³ (2.30 m³)
- **Operating weight** 25,922 lb (11 758 kg)
- **Lift capacity** 25,714 lb (11 664 kg)
- **Breakout force** 26,583 lb (12 058 kg)

721D

- **Engine** 170 net hp (127 kW)
- **Bucket capacity** 3.50 yd³ (2.70 m³)
- **Operating weight** 30,982 lb (14 053 kg)
- **Lift capacity** 30,083 lb (13 645 kg)
- **Breakout force** 32,960 lb (14 950 kg)



Safety Never Hurts!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

IMPORTANT: Case, LLC reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for worldwide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Case dealer/distributor will be able to give you details of the products and their specifications available in your area.

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