

**E SERIES WHEEL LOADERS**  
**521E/XT/XR | 621E/XT/XR**  
**721E/XT/XR | 821E/XR**

**CASE**  
CONSTRUCTION



# E Series

## CUSTOMER SUPPORT



Manage your equipment better with a Case Care<sup>SM</sup> prepaid maintenance plan.

### The Case dealer: Your professional partner

Your success starts with world-class Case machinery and attachments. Your Case dealer will help you work smarter and faster by selecting equipment that delivers performance and operator comfort. Your dealer has the knowledge and experience necessary to help you choose the right attachments so you can...

- Work faster and extend equipment life.
- Increase machine utilization.
- Increase your capabilities.

Let your Case dealer service your machine on the jobsite, so you'll be back on the job faster. Advantages include...

- Responsive jobsite service to keep your equipment running.
- Increase machine uptime.
- Certified service staff and improved parts availability.

Manage your equipment better. Case Care<sup>SM</sup> is a prepaid maintenance plan designed especially for your machine. Factory-trained Case technicians perform routine

inspections and regular service to prevent problems. Other options, such as the Machine Protection Plan<sup>SM</sup>, can be purchased to extend protection beyond the base warranty. Add the GlobalTRACS<sup>®</sup> Fleet Management Communications System to give you the information to better manage your fleet while protecting it against theft.

Ask your local Case dealer about adding value to your machine and peace of mind to your workday with these helpful products.



Case technicians have access to the latest diagnostic service tools.



Dependable Case wheel loaders are the machines of choice for contractors engaged in commercial or residential construction, road building, site prep, aggregate, sewer, water and utility work.

## YOU DESERVE THE BEST - CASE DELIVERS

### **Superior productivity, efficiency, comfort and serviceability**

Our ergonomically designed cab provides operator comfort for increased productivity. The enhanced Tier III-certified power moves more material per hour. Extra work modes match the machine operation to the task at hand for lower operating costs and increased productivity. Best-in-class maintainability means easy daily service. The easier service is to perform, the more likely it will get done.

Challenging wheel loader applications require stability, superior traction, push power, lift capacity and quiet, fuel-efficient operation.

The E Series wheel loaders are loaded with innovative features and backed by Case durability and customer support.

Spacious cabs provide comfort, visibility and an all-around command of the work site. Robust horsepower and pressure-compensating hydraulics deliver superior breakout force and lift capacity. Industry-leading ease of maintenance assures maximum uptime. The Case-exclusive mid-mount cooling module makes these wheel loaders fuel efficient and reliable for years to come, even in the dustiest environments.



Rugged E Series wheel loaders redefine productivity.



# E Series

## NEWLY DESIGNED CAB



An unobstructed view to the console's analog gauges and indicator lights keeps you informed of critical machine functions.

### Power, utility, comfort and visibility

The large, roomy cab on the Case E Series wheel loader was designed with productivity and operator comfort in mind.

Case designed the E Series cab to match the machine environment to the operator. The adjustable tilt steering column, infinitely adjustable seat with arm rests and additional interior cab space maximizes operator comfort and productivity.

The iso-mounted cab features numerous air diffusers to provide maximum air circulation for faster, more thorough heating and cooling. Floor-to-ceiling glass in the front, along with a sloping rear engine compartment, offers a panoramic view for maximum visibility both forward and to the rear. The clear, direct view to the front tires, bucket edge and work site provides a more safe, productive and efficient operation.

The standard single-lever loader control with a forward-neutral-reverse switch and transmission downshift button puts all the controls at your fingertips. A digital display records real-time data, shows diagnostic

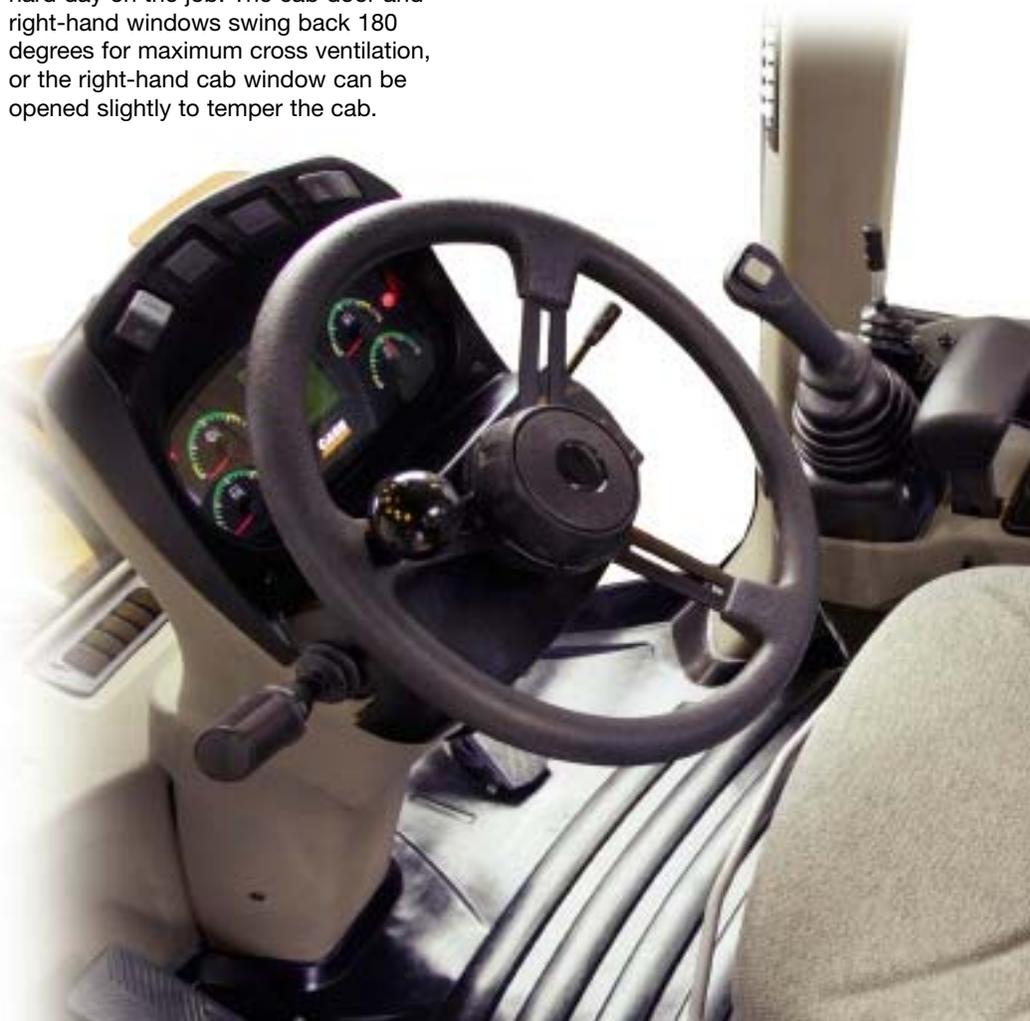
information and allows programming of operational modes.

The in-cab thermal box keeps food and drink hot or cold during a long, hard day on the job. The cab door and right-hand windows swing back 180 degrees for maximum cross ventilation, or the right-hand cab window can be opened slightly to temper the cab.



The spacious cab matches the machine to the operator through adjustable controls and easy-to-reach switch locations.

And then there's the most comfortable feature of all—knowing your new wheel loader is supported by Case and your local Case dealer.





### **Retain more material**

Optional Ride Control™ provides greater material retention while reducing shock loads both to the operator and the machine, even over rough terrain. The loader arms work as shock absorbers to cushion the bucket and maintain a full load. Ride Control can be used full time, for cushioning when transporting material up an incline. It can also be programmed to automatically engage any time.



E Series buckets feature an extended bolt-on cutting edge for easier penetration into the pile. The hinge pins are raised up out of the dirt and debris for longer life.

### **Dual limited-slip axles deliver more traction, less wear**

Case wheel loaders deliver the superior traction needed to work efficiently in changing jobsite conditions. Unlike competitive models, limited-slip axles are standard Case equipment. These superior axles (front and rear) transfer power automatically

from the wheel that is slipping to the wheel that is gripping. This reduces tire wear and maximizes tractive effort into the pile. This helps move more material per gallon of fuel and reduce tire replacement costs.

Outboard planetary and wet-disc brakes provide ease of serviceability because they are positioned outside the loader frame at the wheel end. With the weight of the planetaries outside the machine, operator comfort is increased through a smoother, more stable ride.

### **Fill your bucket faster**

The new Case bucket increases productivity and provides longer wear. The bolt-on cutting edge was extended forward for rapid and easy penetration into the pile. The bottom floor plate of the bucket has been set on a five-degree angle for easy transition of material to the back curvature of the bucket. This allows for the material to mix easily, so you'll fill your bucket rapidly and provide more heaped bucket capacities. By filling your bucket faster, you'll move more tons per hour.

The skid plates are bolted on for easier repair and replacement. The hinge pins are raised up out of the dirt and debris for longer life, but also to allow the bolt-on cutting edge to continue cutting through the pile as the bucket is being curled, enabling complete bucket fills.



An ergonomic operator environment, featuring a tilt steering column and a fully adjustable suspension seat, keeps you comfortable all day long.

# E Series

## ENHANCED TIER III-CERTIFIED POWER

### Case engines deliver power and fuel economy

Case E Series wheel loaders are powered by fully electronic, Tier III-certified Case engines that allow you to match power and fuel economy to your specific application. The engine incorporates the new electronic common-rail fuel injection system, which allows high-pressure fuel and air to mix thoroughly for a cleaner, more efficient combustion.



### Three power curves and four work modes

Choose between three power curves—max, standard and economy power—and four work modes—max, standard, economy and auto. For high-production activities such as excavating operations that require high breakout force and maximum power to the wheels, you can choose

to use maximum power at all times. For operations such as working in a pipe yard, handling pallets or moving light material, economy mode will complete the task with the greatest fuel efficiency. In auto mode, the electronically controlled engine automatically adjusts between power curves to move the maximum amount of material per gallon of fuel.



# BEST-IN-CLASS MAINTAINABILITY

## More uptime

Easy servicing extends machine life, lowers ownership costs and increases resale value. The easier it is to perform daily maintenance and service, the more likely it is going to be done correctly and on time—which is why Case designed the E Series wheel loaders with best-in-class maintainability.



The only tool required for daily maintenance checks is a rag to wipe oil off the dipstick.

Get your day off to a fast and productive start with easy-to-reach daily service checkpoints. The one-piece rear hood provides easy, ground-line access to the engine and all daily maintenance checkpoints. Fluid sight gauges are positioned at eye level. Three remote drains for coolant, engine and hydraulic oil provide convenient access for fast, environmentally friendly fluid changes.



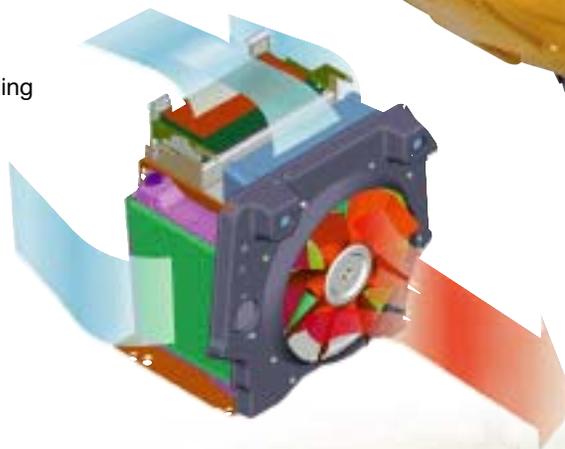
Keeping your Case wheel loader in top running shape requires less effort, so you can get back to the jobsite.

The electrically actuated rear hood provides complete access to the engine and daily maintenance checks.



## Mid-mount cooling module

The Case-exclusive cube-shaped mid-mount cooling module supplies clean, ambient air to all coolers, increasing cooling efficiency, reducing fluid breakdown and extending component life. With no stacked coolers, the mid-mount cooling module prevents debris from plugging between coolers. An optional temperature-controlled fan within the cooling module can be reversed to purge debris from the module within seconds. This means the machine can remain on the jobsite rather than being moved to a cleaning station.



Material is removed from the cooling module by reversing the fan direction with a switch located in the cab.



# E Series

**521E/XT/XR, 621E/XT/XR, 721E/XT/XR AND 821E/XR**

## **Linkage options include a tool carrier**

The E Series wheel loaders come in traditional Z-bar and XT tool carrier linkage configurations. The Z-bar linkage equipped machine provides high production, fast cycles, optimized operating loads and great visibility to the

bucket. For more accurate material handling, the Case XT wheel loaders have a true parallel lift throughout the complete cycle, so you can concentrate on moving materials rather than making adjustments to level the load.

The E Series XT tool carrier wheel loader features a loader arm linkage design which provides outstanding bucket rollback for increased material retention throughout the entire lift.





The XR configuration supplies all the benefits of the Z-bar configuration but with an added advantage of extended reach.



### **Hydraulic quick couplers**

For maximum versatility with multiple attachments, Case wheel loaders can be equipped with a hydraulic coupler. Changing attachments is quick and easy — you can do it from the cab. Case offers a factory-installed quick coupler system that matches numerous attachments.



# E Series

## BUCKETS AND ATTACHMENTS

### Get more out of your machine

Whether you're loading dirt, moving pallets, digging holes or cleaning the jobsite, the increased attachment work range of Case wheel loaders improves machine versatility.

For fast, easy attachment changes, the optional hydraulic quick coupler lets you quickly connect and release attachments from the seat of the cab, saving time and boosting productivity.

The excellent visibility to the coupler latching pins helps to quickly align attachments for faster hook-ups. With a Case E Series wheel loader, you can work with a variety of attachments, including general-purpose buckets, 4-in-1 buckets, pallet forks, snow blades, angle brooms, augers, scrap grapple buckets, jib booms and more.

Ask your Case dealer about our full line of attachments.



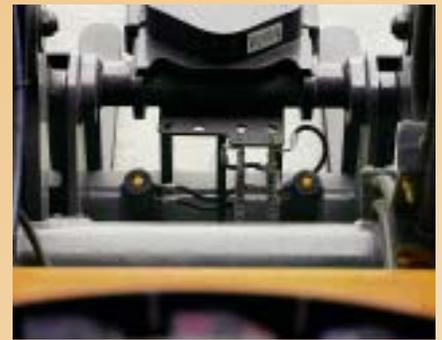


## GET MORE OUT OF YOUR MACHINE WITH ATTACHMENTS



### Hydraulic quick coupler

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



### Visibility to the pins

Excellent visibility to the hydraulic quick coupler pins assist in quickly aligning attachments for faster hook-ups as well as providing a clear view to the attachment.



### Forks



### General purpose buckets



### Jib booms



### 4-in-1 buckets



### Grapple/fork



### Side dump bucket

**E SERIES WHEEL LOADERS**  
**QUICK SPECS**

<b>521E</b>	<b>Z BAR</b>		<b>XT</b>	<b>XR</b>
Engine	135 net hp (101 kW)	135 net hp (101 kW)	135 net hp (101 kW)	135 net hp (101 kW)
Operating weight	23,069 lb (10 464 kg)	26,861 lb (12 184 kg)	23,442 lb (10 633 kg)	
Max bucket capacity	2.6 cu yd (2.0 cu m)	2.1 cu yd (1.6 cu m)	2.6 cu yd (2.0 cu m)	
Operating load	8,116 lb (3681 kg)	6,648 lb (3016 kg)	6,862 lb (3112 kg)	
Breakout force	20,926 lb (9492 kg)	25,194 lb (11 428 kg)	23,463 lb (10 642 kg)	

<b>621E</b>	<b>Z BAR</b>		<b>XT</b>	<b>XR</b>
Engine	162 net hp (121 kW)	162 net hp (121 kW)	162 net hp (121 kW)	162 net hp (121 kW)
Operating weight	27,406 lb (12 431 kg)	28,709 lb (13 022 kg)	27,604 lb (12 541 kg)	
Max bucket capacity	3.0 cu yd (2.3 cu m)	3.0 cu yd (2.3 cu m)	3.0 cu yd (2.3 cu m)	
Operating load	10,190 lb (4622 kg)	8,553 lb (3879 kg)	8,309 lb (3769 kg)	
Breakout force	26,577 lb (12 055 kg)	26,756 lb (12 137 kg)	27,375 lb (12 417 kg)	

<b>721E</b>	<b>Z BAR</b>		<b>XT</b>	<b>XR</b>
Engine	183 net hp (137 kW)	183 net hp (137 kW)	183 net hp (137 kW)	183 net hp (137 kW)
Operating weight	30,644 lb (13 900 kg)	31,827 lb (14 436 kg)	31,852 lb (14 448 kg)	
Max bucket capacity	3.5 cu yd (2.7 cu m)	3.0 cu yd (2.3 cu m)	3.25 cu yd (2.5 cu m)	
Operating load	12,067 lb (5474 kg)	11,565 lb (5246 kg)	9,836 lb (4461 kg)	
Breakout force	32,958 lb (14 950 kg)	28,770 lb (13 050 kg)	32,778 lb (14 868 kg)	

<b>821E</b>	<b>Z BAR</b>		<b>XR</b>	
Engine	213 net hp (159 kW)		213 net hp (159 kW)	
Operating weight	37,844 lb (17 166 kg)		39,045 lb (17 710 kg)	
Max bucket capacity	4.5 cu yd (3.4 cu m)		4.5 cu yd (3.4 cu m)	
Operating load	13,932 lb (6320 kg)		10,934 lb (4960 kg)	
Breakout force	40,738 lb (18 479 kg)		41,369 lb (18 765 kg)	

NOTE: All engines meet current EPA emission regulations.

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

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. 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.



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.

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 Contains 10% Post-Consumer Fiber



**521E**



**621E**



**721E**



**821E**



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