



CASE
CONSTRUCTION

V-SERIES BACKHOE LOADERS



580V | 580SV | 590SV | 695SV

ACROSS HISTORY



1842

CASE is founded.

1869

The first CASE portable steam engine - road construction is born!

1957

CASE produces the first ever factory integrated backhoe loader.

1959

CASE TLB 420 is the first diesel powered model.

1964

CASE is the first manufacturer to develop an extendable dipper, the patented CASE Extendahoe.

1999

CASE is the first company to offer a powershift transmission on a backhoe loader.

2000

CASE is the first company to offer a backhoe integrated quick coupler.

2001

CASE M series backhoe is listed in "Construction Equipment" magazine among the top 100 products.

2005

CASE produces its 500,000th backhoe.

2012

CASE achieves Tier 4 emissions standards while delivering best-in-class breakout force and lift capacity.

2016

CASE backhoe offering is enlarged introducing "In-Line cylinders" backhoe and "Straight-Loader arm" options.

2017

CASE introduces a Tier 4 final fully customizable backhoe.

2019

60th year milestone. Future in the making.

2020

CASE presents in North America the industry's first Fully Electric Backhoe Loader (model 580 EV).

2021

CASE introduces the new TLB V series with a brand-new cab, bringing operator comfort to the next level.

V-SERIES BACKHOE LOADERS

THE KING

CASE BACKHOE LOADERS

The original, ready for anything

Since introducing the first ever integrated backhoe loader in 1957, CASE has always been a front runner in the tractor loader backhoe industry.

We have built a strong heritage of industry firsts, on best-in-class performances and components, supremely reliable and well-proven technology, and productivity-boosting solutions.

- + We accepted no compromise on performances: the FPT engine delivers best-in-class power and torque density.
- + The FPT engine is designed to optimize fuel consumption during both production and travel and especially in backhoe digging applications

And we did not limit our efforts to power and performance:
with the V-Series we have taken operator comfort to the next level!

- + The new cab is more ergonomic
- + The new cab has a completely new interior and exterior style

Now it's time to enhance your operator experience with the NEW V-SERIES BACKHOE LOADERS.



MAIN REASONS TO CHOOSE THE V-SERIES



LOAD SENSING HYDRAULIC SYSTEM

The variable displacement pump combined with the Tier 3 engine reduces fuel consumption by up to 14%.



NEW CAB DESIGN

The cab has been redesigned around the operator to provide a comfortable work environment with ample storage space, and improved styling, fittings and finish.



SAFE AND EASY MAINTENANCE

- All the main check points are easily accessible from the ground.
- The front tilting engine hood and the perfect layout of the components enable fast routine maintenance operations.



FAST LOADING CYCLE

The return-to-dig mode guarantees precise automatic loader repositioning and easy-to-control loading operations.



COST SAVINGS

The FPT engine delivers high power and torque density, and dramatically reduces service time ensuring the lowest maintenance costs in the market.



PROTECTED BACKHOE OPERATION

The new backhoe represents the continuity of CASE DNA. The S'tyled boom provides higher reach and better digging depth.



"IN-LINE" BACKHOE GEOMETRY

Higher visibility thanks to the narrower frame, high stress resistance due to balanced effort distribution along the boom.



AUTO RIDE CONTROL

Auto Ride Control offers 3 settings to match different working conditions.



4-WHEEL STEERING MODE

The 695SV model shovel capacity along with 3 steering modes (Road, 4WS and Crab steer) provide exceptional on-site productivity. (Only for the model 695SV)

V-SERIES BACKHOE LOADERS

OPERATOR COMFORT TO THE NEXT LEVEL



NEW WIDER CAB

FEATURES

- + **NEW** Restyled interior and exterior
- + **NEW** Front and LH consoles design
- + **NEW** Superior roominess for the operator
- + **NEW** Noise level reduced
- + **NEW** layout of switches and controls
- + **NEW** Wider Pilot Control towers adjustability
- + **NEW** Best in class internal storage capacity:
4 times more than ST Series cab, including:
2 Lockable compartments, 2 Bottle/Cup holder,
Cooling Box and 4 open trays
- + **NEW** Excellent 360° Visibility
- + King class seat: the super deluxe air suspension
option offers premium features
- + Powerful Air Conditioning and fully
openable windows

BENEFITS

- Greater operator comfort and improved ergonomics
- Superior cab accessibility
- Excellent knee and feet clearance when rotating
the seat from loader to backhoe position
- A quiet place to work!
- Easy reachability in both loader and backhoe position
- Better ergonomics
- A place to store every item and to keep your lunch
and drinks always fresh
- More productivity and safety on the job site and in
the street
- Height, lumbar and armrests full adjustability,
and heating
- Excellent cab ventilation



CAB FEATURES FOR A MORE PLEASANT AND SAFE WORKING DAY AND DRIVE

FEATURES

BENEFITS

+ NEW Bluetooth radio option	Located on right hand pillar, easy reachability in any position
+ NEW Speedometer option	Located on front console, more safety when driving
+ NEW 2 speed wiper	Better visibility when driving in rainy/snowy conditions
+ NEW F-N-R switch on loader handle	Easy transmission direction change in loading applications
+ NEW Roller switch on pilot joysticks	Quick and precise dipper extension
+ NEW Cell-phone holder	Located on right hand pillar, easy reachability in any position
+ NEW 12V and USB ports	Conveniently located on the right-hand console
+ NEW Anti-Theft system	Peace of mind





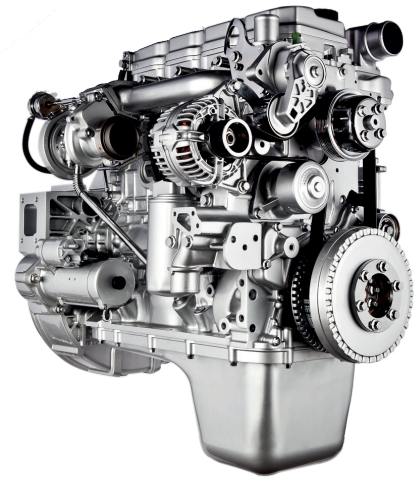
MAIN FEATURES

COST SAVINGS

FPT Multijet Engine

The FPT engine delivers a big performance in a small package with the lowest maintenance cost in the market:

- The air intake system with centrifugal pre-filter reduces the cleaning intervals
- High turbulence piston and air intake manifold
- High pressure multi-injection common rail for a perfect air-fuel mix and greater burning efficiency
- Mechanical Injection Pump for 580V ensures high power combined with an easy to maintain and serve injection system
- Viscous fan: no power is wasted with its low cooling demands



FPT: a leader in engine technologies.

- Fiat invented the «Common Rail» technology in the 80s
- Fiat Power Train produces over 600.000 industrial engines per year
- Our engines are used not only in earthmoving equipment but also in trucks, agricultural equipment, marine and military applications.

SAFE AND EASY MAINTENANCE

One side engine serviceability

- Oil and filter check points are easily accessible on the left side of the bonnet. The front opening provides the operator with a full view of the engine components.
- The anti bumping frame surrounding the radiators prevents damage if the machine hits an obstacle at speeds up to 5 km/h, reducing unforeseen maintenance costs due to cracks in the radiators.
- All fuses and relays are comfortably located in the cab for easy and fast maintenance operations.



4-WHEEL STEERING MODE

Always available, never defined

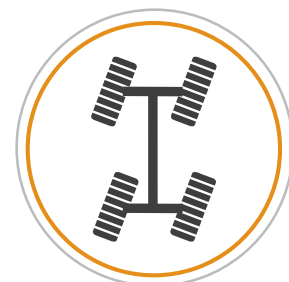
The CASE 695SV allows the operator to select 3 different steering modes: 2-wheel steering – road steer for standard operations and 4-wheel steering for agile and fast operations, and crab steer for restricted areas. This ensures great versatility and outstanding maneuverability. It's easy and safe to change the steering mode. The CASE 695SV is equipped with 4 equal size wheels to guarantee better weight distribution and more traction.



ROAD MODE



WHEEL STEER



CRAB STEER

BACKHOE TAILORED MADE SOLUTION

PROTECTED BACKHOE OPERATION

The King's DNA

- Exclusive outer extendahoe: all components in contact with the soil are protected against impact and material accumulation
- The curved main boom provides greater digging ability and makes it easier to load a truck
- Low profile for easy transport
- Gripper teeth for excellent material retention
- Swing Dampening for precise backhoe operations and improved operator comfort.



LOAD SENSING HYDRAULIC SYSTEM

Modulated power

The load sensing hydraulics provide just the right amount of oil for each task, even when the engine is running at low rpm. This results in fuel savings of up to 14% compared to traditional gear pumps. CASE is the only Backhoe loader manufacturer offering closed hydraulic centre whatever the choice of pump. Closed hydraulics enable simultaneous movements independent from work load and functions delivering constant power, better operator controllability and fast cycles.

“IN-LINE” BACKHOE GEOMETRY

No Stress power

- Great visibility thanks to the narrower frame
- High stress resistance thanks to the balanced effort distribution along the boom
- Swing Dampening for precise backhoe operations and improved operator comfort

LOADER

STRAIGHT TO PERFORMANCE

AUTO RIDE CONTROL

Safe productivity

- Auto Ride Control reduces loader arm bounce during travel, maintaining maximum material retention on all surfaces, for higher travel speeds and reduced journey times. The system offers a choice of 3 settings to match customer preferences or different soil conditions.
- The front axle offers +/-11 degrees of oscillation, to maintain traction on the toughest terrain, improve bucket retention and maintain high productivity.
- Different tyre designs (from industrial to agricultural) and technologies (radial or bias) are available to meet the different requirements for traction or resistance to impact and stress.

FAST LOADING CYCLE

The job has never been so easy!

Curved front loader arms improve truck loading while mechanical self-levelling assists the operator. The return-to-dig function significantly reduces operator effort on repetitive loading operations and speeds up the whole cycle. Excellent front loader visibility and the mechanical self-levelling feature make loading and unloading pallets really quick and simple.

