



# SV-SERIES STAGE V BACKHOE LOADERS



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

**2025**

CASE launches in the market the Evolution of the SV Series, introducing several new features boosting performances and productivity.

# SV-SERIES BACKHOE LOADERS

## THE KINGS

### 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.

It's no surprise, then, that faced with the challenge of meeting Stage V emissions regulations, we did it "the CASE way".

- + We accepted no compromise on performances: the new 3.6-litre FPT Stage V engine maintains the same best-in-class power and torque density of its Stage IV predecessor.
- + We designed with FPT an After-Treatment System specifically for backhoe loader applications - because we know them inside out!!

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

Now it's time to enhance our Customer's experience with the EVOLUTION OF THE SV-SERIES BACKHOE LOADERS, introducing several new features to increase productivity, versatility and serviceability.



# SV-SERIES BACKHOE LOADERS

## OPERATOR COMFORT TO THE NEXT LEVEL



### WIDER CAB

#### FEATURES

- + Restyled interior and exterior
- + Front and LH consoles design
- + Superior roominess for the operator
- + Noise level reduced to 74dB
- + layout of switches and controls
- + Wider Pilot Control towers adjustability
- + Best in class internal storage capacity:  
2 Lockable compartments, 2 Bottle/Cup holder,  
Cooling Box and 4 open trays
- + 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

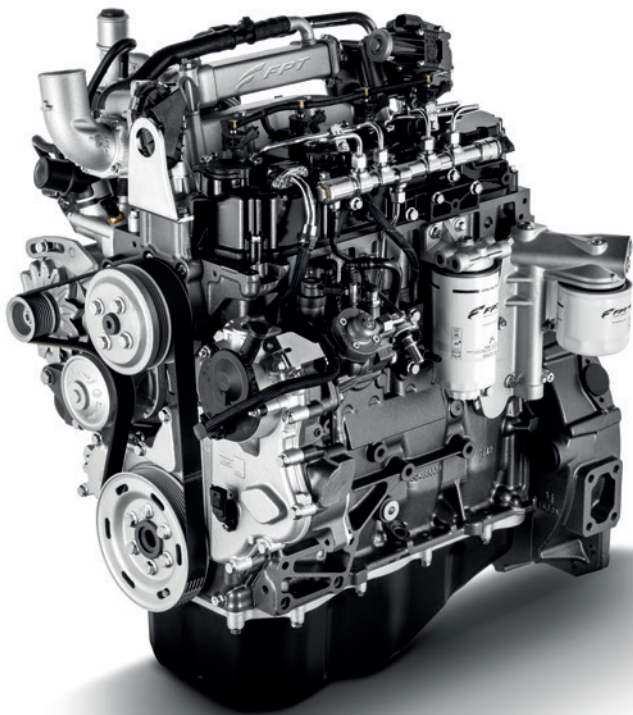
FEATURES	BENEFITS
+ Bluetooth radio option	Located on right hand pillar, easy reachability in any position
+ Speedometer option	Located on front console, more safety when driving
+ 2 speed wiper	Better visibility when driving in rainy/snowy conditions
+ F-N-R switch on loader handle	Easy transmission direction change in loading applications
+ Roller switch on pilot joysticks	Quick and precise dipper extension
+ Cell-phone holder	Located on right hand pillar, easy reachability in any position
+ 12V and USB ports	Conveniently located on the right-hand console
+ Anti-Theft system	Peace of mind
+ 10 LED working lights option	Your work in dark conditions will be as bright as ever
+ <b>NEW</b> Comfort steering	Great for tight spaces, increases efficiency and maximizes productivity
+ <b>NEW</b> Enable/Disable Return to Dig switch	No falling of objects in case of inadvertent engagement of RTD
+ <b>NEW</b> Brake Enable Idle	Drive the TLB in a “Cruise Control” manner during travel
+ <b>NEW</b> Stabilizers Auto-up	Go back in motion more easily and quickly





# SV-SERIES BACKHOE LOADERS

## SUSTAINABLE PERFORMANCE



### AS POWERFUL AS EVER!

Notwithstanding the stringent Stage V emission requirements, we accepted no compromise on performance!

The 3.6-litre **FPT Stage V engine** maintains the same **best-in-class power and torque density** of its Stage IV predecessor.

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### F36

3.6 lt 4 cylinders

16v, Common Rail Injection

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### Compact Hi-eSCR2

### LOW EMISSIONS

- + The 3.6-litre FPT engine dramatically reduces emissions, meeting Stage V stringent requirements with **no fuel and urea consumption deterioration vs Stage IV**,
- + **Compact Hi-eSCR2 After Treatment system** designed with FPT specifically for Backhoe loader applications
- + **ECO mode** is standard on all units and delivers **10% fuel consumption saving**
- + Environmentally friendly!!

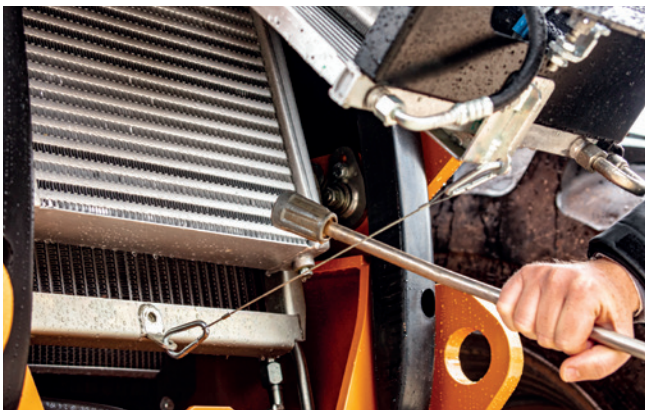
#### Auto Engine Shutdown:

Automatic engine switch off when the machine is inactive for more than 3 minutes

**Auto Idle:** Automatic reduction of engine speed when the machine is inactive for more than 5 seconds

- Fully HVO diesel compatible
- Biodegradable lubricants option available





### SAFE, EASY AND LOW-COST MAINTENANCE

- + **One side engine serviceability** layout and all fuses and relays comfortably located in the cab for easy and fast maintenance operations
- + **Maintenance free After Treatment System** for reduced operating costs and maximized vehicle uptime
- + Minimum operating costs with **500 hours oil change interval and efficient low-rate EGR combustion (<10%)**
- + **Auto Engine protection shutdown** feature turns off automatically the engine when the most critical engine and transmission parameters are detected to be outside proper working conditions. Another solution that minimizes the costs of extraordinary maintenance!
- + **NEW Easy Radiator accessibility for cleaning:** One latch to open and close the complete package; Automatic hold open of Grille, Charge Air Cooler and Oil Cooler (gas strut); Component angle limiting cables and brackets, preventing excessive force.

# SV-SERIES BACKHOE LOADERS

## VERSATILITY FOR HIGH PRODUCTIVITY



### CASE DNA BACKHOE

- + **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**
- + **Patented CASE DNA integrated hydraulic quick coupler** allows changing over the backhoe attachments from the cab with a simple switch whilst preserving backhoe performance just as if the attachments were direct fit.
- + Gripper teeth for **excellent material retention**
- + **Swing Dampening** for precise backhoe operations and improved operator comfort.
- + **NEW Power Boost and Power Lift** for greater backhoe performances

### TOOL CARRIER LOADER ARM

- + **NEW Hydraulic quick coupler provision** for easy and quick attachments swap.
- + **NEW** The loader's **excellent lift capacity combined with the mechanical parallel lifting** is now enhanced with increased speed to deliver greater productivity.





### IN-LINE CYLINDER BACKHOE

- + **Great visibility** thanks to the narrower frame
- + High stress resistance thanks to the balanced effort distribution along the boom
- + **NEW Hydraulic quick coupler provision** for easy and quick attachments swap
- + **Swing Dampening** for precise backhoe operations and improved operator comfort
- + **NEW Power Boost and Power Lift** for greater backhoe performances

### STRAIGHT LOADER ARM

- + **Top loading reach and lifting capacity:** the perfect solution for professionals requiring a particularly high tipping point.
- + The simple structure ensures **great visibility** and low maintenance costs
- + **Anti-tipping function** keeps the bucket in the correct position while lifting the load, with no risk of material spillage



# MAIN REASONS TO CHOOSE THE NEW SV-SERIES

## PRODUCTIVITY / PERFORMANCE

- + **Best in class engine power and torque**
- + **Top of the industry Loader arm and Backhoe Lifting, Loading and Digging performances**
- + F-N-R switch on loader handle for **easy transmission direction change** in loading applications
- + Roller switch on pilot joysticks for **quick and precise dipper extension**
- + Protected Backhoe operations with the **powerful Case DNA backhoe**
- + **Patented CASE DNA integrated hydraulic quick coupler**
- + **Hydraulic side shift** enables easy and quick backhoe repositioning in all working conditions, while also preserving all types of soil.
- + **NEW Power Boost** - Momentary enhancement of hydraulic power (+15%) to the backhoe functions needed for example to break through frost, pull up a tree stump or lift the piece of stubborn sidewalk.
- + **NEW Power Lift** - It increases the hydraulic pressure to the backhoe functions while simultaneously reducing the engine RPM, slowing the hydraulic responsiveness while allowing for higher lifting capacities (+15%) for precision operations such as setting pipes.
- + **NEW Direct Drive Automatic Transmission**  
It engages in 3rd and 4th gears and locks the power of the engine to the transmission for increased gradeability and acceleration while reducing travel times and fuel consumption.

## COMFORT

- + Superior in-cab **roominess** for the operator
- + **Bluetooth radio and speedometer** options for a more pleasant and safe working day and drive
- + **Excellent visibility** for productive and safe loader and backhoe operations.
- + **Top of the industry in-cab storage compartment capacity**
- + Fully openable windscreens for **excellent cab ventilation**
- + **10 LED working lights:** bright work even in the darkest conditions.
- + **NEW Comfort steering** - It halves the turns to go from lock to lock compared to standard steering



## TOTAL COST OF OWNERSHIP

- + The 3.6-litre **FPT Stage V engine** dramatically reduces emissions with **same fuel consumption as Stage IV** engine and ensures **low maintenance costs**
- + **ECO mode** is standard on all units and provides 10% fuel consumption saving
- + **Auto engine shutdown and Auto idle:** you can **save fuel** and be **environmentally friendly** at the same time
- + **Variable Volume Pump** reduces consumption, by providing oil only when needed
- + Coming from a backhoe loader industry leader means not only a rich heritage, but also **proven technology and best-in-class suppliers**. This translates into **high reliability, more uptime, more productivity, and lower maintenance costs**.
- + **NEW Easy Radiator accessibility** for cleaning

## 360° SERVICE SOLUTIONS

- + **CASE SiteWatch™** makes fleet management easy, helping improve your productivity and profitability
- + **CASE SiteConnect** enables your dealer to be proactive in managing your machine, boosting its uptime
- + **CASE Protect extended warranty** and **CASE Care planned maintenance** give you full peace of mind



# AFTERSALES PRODUCTS AND SERVICES

## AFTERSALES PRODUCTS

Keep your equipment performing at its best and protect your investment's value with the extensive offering of high-quality CASE Parts.

### **Genuine Parts** HIGH PERFORMANCE

Optimize your performance and add value to your machine with high-quality genuine parts.

### **FLEETPRO**

Ensure your machine's performance beyond warranty and manage your budget with CASE's quality second-line range of parts.

### **Attachments.** BUSINESS SOLUTIONS

Add versatility to performance with CASE attachments designed for CASE machines and tested by CASE engineers.

### **Reman Parts** REMANUFACTURED

Choose sustainable quality with remanufactured parts designed for CASE equipment of all ages.

## SERVICE SOLUTIONS

Enjoy the peace of mind of knowing CASE Service Solutions will keep your equipment in top condition with maximum uptime, no unexpected costs, and help you optimize your profitability.



