



CASE
CONSTRUCTION

V SERIES BACKHOE LOADER

570SV

MAIN REASONS TO CHOOSE THE V-SERIES BACKHOE LOADERS



HIGH VISIBILITY

Excellent visibility for all operations with loader or backhoe. Fully openable front and rear glasses for excellent cab ventilation.



STRAIGHT LOADER ARM

Above any limit the CASE loader ensure highest loading capacity in the market combined with best in class tipping height. The self leveling mechanism during the lifting phase makes the operator more productive, precise and provides better driving comfort.



FAST LOADING CYCLE

The return to dig mode guarantees precise automatic loader repositioning and easy to control loading operations. (Standard option for 570SV)



EASY ACCESS

Traditionally CASE backhoe Loaders are recognized for easy components as well as cab accessibility. All the controls are easy to reach for maximum performances and safety.



HIGH EFFICIENCY

The S8000 engine with high power and torque density provides the best-in-class performances in any application either with backhoe or front loader.



EXTENDAHOE

Improved backhoe operation: the extendahoe is the perfect solution for working conditions where the digging depth is crucial. It enlarges the backhoe capacity making the CASE backhoe loader comparable with a middle size excavators.



CASE DNA

“S-tyled backhoe”: The new Backhoe represents the continuity of CASE DNA. Performances: lifting capacity, digging depth, digging force raises a new standard on this machine segment. Higher productivity on 570SV thanks to closed center hydraulic system and high flow oil pump.



SAFE AND EASY MAINTENANCE

All the main check point can be easily reached from the ground. The front tilting engine hood and the perfect components layout ensures fast routine operations.



POWERSHUTTLE TRANSMISSION WITH TORQUE CONVERTER

The power shuttle transmission with torque converter allows smooth cycles and stall free operations. The electro hydraulic reversing as well as the cutoff button ensures comfortable and fast travelling.

MAIN REASONS FEATURES



HIGH VISIBILITY

A comfortable operator is a confident and productive one

- The largest cab in the industry, offers a comfortable working space for both the operator and a possible helper.
- Visibility is excellent to the rear and to the bucket edge. The large size glazed windows and narrow cab pillars put you in command with clear, all-round visibility. The very good view to the attachment and corners improves comfort and jobsite safety, for greater productivity
- All the controls have been specially positioned to offer easy access and faster control. The large window improves air ventilation in the cab and facilitates communication to the back of the machine. The cabin has a large buddy seat along with storage compartments, mobile charger, document holder, bottle holder and radio.
- The mechanical suspended seat increases operator comfort with a cushioned upper high back. It is fully adjustable to provide the optimal driving position.



EASY ACCESS

A place for everything and everything in its place

The ergonomic layout of operator controls enhances operator comfort and productivity. Easy access to the cab with ergonomically placed grab rails, walk-up steps and large platform.



EXTENDAHOE

Extend your business!

The extendahoe allows the operator to increase overall backhoe loader capacity keeping the same strength of the standard dipper. The CASE backhoe loader with extendahoe can reach the capacity of a middle class excavator, but with higher flexibility and better transportability.



CASE DNA

Decades of heritage in backhoe design

The shape of the backhoe enhances the loading ability of the machine and its capacity to overcome obstacles, while ensuring a high breakout force. The lifting hook will allow to handle suspended objects easily and safely. The boom and dipper are built to guarantee durability and ultrasound inspection ensures the highest welding quality and reliability. The closed center hydraulic system combined with the high flow oil pump, installed on the 570SV guarantee a faster cycle when working on excavating or loading applications.

BACKHOE TAILORED MADE SOLUTION



POWERSHUTTLE TRANSMISSION WITH TORQUE CONVERTER

Smooth riding

The power shuttle transmission provides four speeds forward and reverse. Hydraulically shifted clutches allow on-the-go direction and travel speed shifts. Modulation valves deliver smooth speed and directional shifts. 4WD improves performances especially with the loader or when job site conditions are muddy and extra traction is mandatory. The 2 WD are designed to handle extreme applications resulting in reliable performance and extended life.



HIGH EFFICIENCY

A legacy of high performance

CASE knows that power and performance are critical to the success of a machine. The new generation S8000 engine is a 3.9-liter 4 cylinders engine, turbo charged after cooled with a mechanical injection system. The S8000 provides outstanding performances such as faster response time.

S8000: a world of applications. Since its launch the S8000 engine family has met with unequalled success. It has built a strong reputation for performance, economy and reliability with more than 3.000.000 units at work throughout the world in a wide variety of applications

Optimised fuel combustion

The S8000 engine is equipped with a Charge Air Cooler to improve and optimize air induction. This solution provides outstanding fuel consumption during both production and travel, and especially on backhoe digging applications.



FAST LOADING CYCLE

Get the job done easily with the RTD function

The return-to-dig-option automatically sets the bucket back to digging position, flat to the ground. Operator's life gets easier and long operating days more comfortable. (Standard option for 570SV)

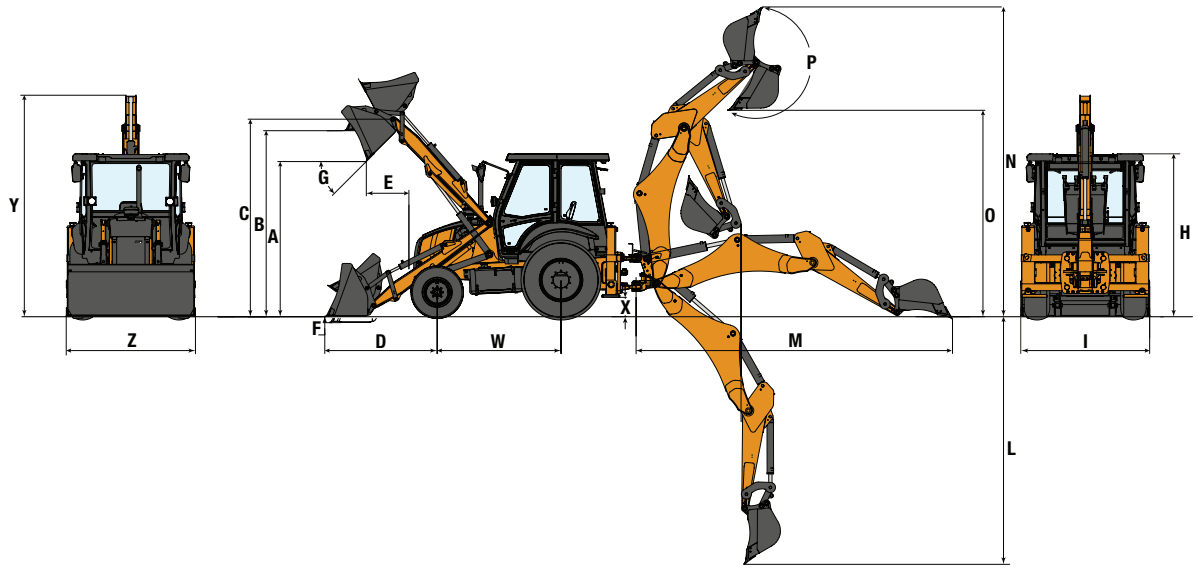


STRAIGHT LOADER ARM

Lowest operating costs ever

CASE engineers used an innovative systems integration approach to design and improve loader arm design to meet customer needs in loading applications. The straight loader arm design with optimized line routings provides excellent visibility, best-in-class tipping height.

BACKHOE LOADERS



GENERAL DIMENSIONS

	570SV (4WD)
A Dump height	2745 mm
B Load over height	3300 mm
C Hinge pin height	3580 mm
D Reach at ground	1980 mm
E Reach at full height-bucket dumped (4x1 bucket)	668.6 mm
F Below ground level-dig depth	100 mm
G Dump angle	45°
Maximum lifting capacity @ max height	3425 kg

OVERALL DIMENSIONS AND WEIGHTS

	570SV (4WD)
H Cab height	2830 mm
I Width over stabilizers	2770 mm
Overall length (transport)	5805 mm
Overall operating weight	8230 kg
W Wheel base	2175 mm
X Minimum ground clearance (stabilizers foot)	380 mm
Y Overall height (Transport)	3800 mm
Z Width over bucket (Transport)	2300 mm

BACKHOE - STANDARD DIPPER

	570SV (14')
L Max.dig depth	4399 mm
M Reach ground level to swing center	5625 mm
N Max working height	5489 mm
O Max load over height	3644 mm
P Bucket rotation	204°
Bucket breakout force	5714 kgf
Dipper digging force	4369 kgf

BACKHOE - EXTENDAHOE DIPPER

	570SV (14')
L Max.dig depth (retracted/extended)	4547/5584 mm
M Reach ground level to swing center (retracted/extended)	5762/6713 mm
N Max working height (retracted/extended)	5585/6220 mm
O Max load over height (retracted/extended)	3752/4387 mm
P Bucket rotation	204°
Bucket breakout force	5725 kgf
Dipper digging force (retracted/extended)	4108/2987 kgf

SPECIFICATIONS

OPTIONAL BUCKETS

	Capacity (SAE L)
Loader GP	1000
Loader GP	1100
Loader	1200
4 x 1 Loader	1000
12" (300 mm) backhoe trenching	80
18" (450 mm) backhoe trenching	120
24" (600 mm) backhoe trenching	180
30" (760 mm) backhoe trenching	260
36" (910 mm) backhoe trenching	300

SPECIFICATIONS

	570SV (4WD)
ENGINE CASE BY FPT	Stage 3A
Model	8045.45.748
Type	Turbocharged aftercooler
Displacement / Compression ratio	3.9 l / 18.3:1
Bore/Stroke	104 x 115mm
Horsepower - rated at 2200 rpm	96 hp
Nominal torque at 1300 rpm (±5%)	400 Nm
Maximum torque at 1300 rpm	420 Nm
Engine speeds	2200 rated speed, full load
POWER TRAIN	
Transmission	CARRARO 2WD TLB1 or 4WD TLB1
Type	Power Shuttle with 4 forward and 4 reverse travel gears
Gear	Forward - Reverse (speed kmph)
1st - 2nd - 3rd -4th Speed	6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR
FRONT AXLE	
2 Wheel Drive (Standard)	Model CNH PS1300
Type - Oscillation	+/- 10.5°
4 Wheel Drive (Optional)	Model CARRARO 26.17M
Type - Oscillation	+/- 8°
REAR AXLE	
Model	CARRARO 28.32M
Type	Rigid
BRAKES	
Services brakes	Type: wet multi-disc / Nr. of discs: 6
Parking Brakes	Type: Manual, with lever
TYRE SIZE RECOMMENDED	
2WD	9.0 x 16 - 16 PR / 16.9 x 28 - 12 PR
4WD	12.5 x 18 - 12 PR /16.9 x 28 - 12 PR
HYDRAULIC SYSTEM	
Type	Closed center with twin gear pump
Flow rate	145 lpm @ 2200rpm
Pressure	210 bar
STEERING	
Type	Power Steering
System pressure / Displacement	140 bar / 125cc
Turning radius (outside of the bucket)	4.9m with brake
Track width	1897 mm front
CABIN	
Certification	ROPS/FOPS
Air conditioning	Optional
SERVICE CAPACITIES	
Engine oil	8.6 ltr
Trasmission oil	20 ltr
Front axle oil	-/9 ltr
Rear axle oil	17 ltr
Hydraulic oil	107 ltr
Fuel tank	129 ltr
Coolant	20 ltr



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Wide network of customer support across the world.

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