



CASE
CONSTRUCTION

T SERIES BACKHOE LOADERS



570T | 570ST

MAIN REASONS

TO CHOOSE THE BACKHOE LOADERS



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 570ST thanks to closed center hydraulic system and high flow oil pump.



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.



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.



POWER SHUTTLE 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.





HIGH VISIBILITY

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



SAFE AND EASY MAINTENANCE

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



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 570ST)



HIGH EFFICIENCY

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



MAIN 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 570ST guarantee a faster cycle when working on excavating or loading applications.

BACKHOE TAILOR-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, developed by Fiat Powertrain Technologies Industrial (FPT Industrial), 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

FPT Industrial: technological partner

The S8000 engine for CASE loader backhoes is manufactured on a dedicated state-of-the-art fabrication and assembly line, where advanced testing equipment puts every engine through rigorous quality checks at every key stage of production. Working closely with world leading components suppliers, we can guarantee that our engines are built to the highest quality standards, which ensure outstanding reliability and durability.

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 570ST)



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.

APPLICATIONS

Many customers will find the CASE backhoe loaders to be the optimal choice. With its high capacity for power, versatility and reliability combined with minimal ownership and operating costs, it will support you in a wide variety of applications. For more information, please contact your dealer.



URBAN

Light construction

Light construction projects, such as small buildings, local utility lines or local road networks, typically require machines capable of doing a high variety of jobs and switching between tasks quickly. The CASE backhoe loaders are ideally suited to these jobs: reliable, fuel efficient, productive, easy to service and versatile, it can do it all with low operating costs. The standard unit is hydraulic hammer ready: this further extends the variety of applications to include work on hard road surfaces or frozen earth.



LANDSCAPING

Environment care

CASE builds some of the most reliable, responsive, and comfortable landscaping equipment in the industry. Whatever the task, from landscape and hardscape installation to ground keeping, you can depend on CASE to help your team work faster, not harder.



THE EXPERT PRODUCTIVE PARTNER



ROADS AND BRIDGES

Valuable partner

The CASE backhoe loaders are ideal assets in any road construction site - from large scale superhighway projects right down to local road building jobs. Equipped with a 4x1 bucket, it can load and spread material with ease, while the backhoe can tackle digging tasks with a standard wide bucket or install kerbstones using a narrow trench bucket. Loading, excavating, transportation – whatever the task, the CASE backhoe loaders have power capacity to complete it with minimal operating costs.



AGRICULTURE

Wide field

Backhoe loaders are increasingly popular among farmers due to their exceptional versatility. They can carry out construction work such as the erection of cowsheds and barns or repair and construction of rural roads and pure agricultural tasks such as delivery forage to stables or fertilizer onto fields. This results in high operating efficiency and low production costs. The CASE backhoe loaders stand out as ones of the most efficient backhoes for agriculture applications in the industry.





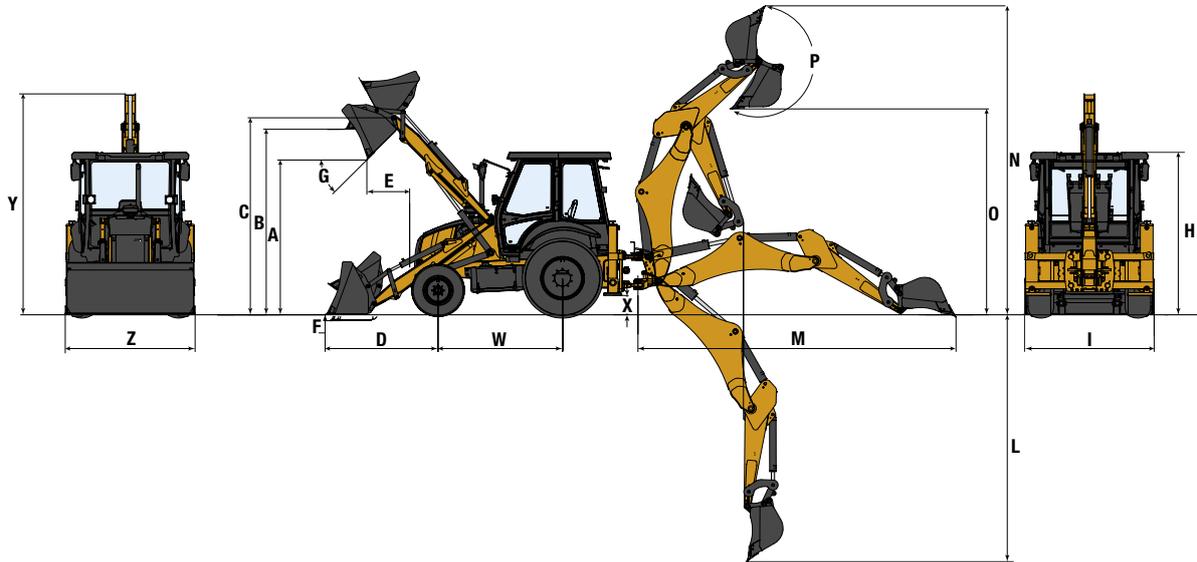


T-SERIES

BACKHOE LOADERS

	570T	570ST
ENGINE	Stage 3A	
Make / Model	S8000 BS-3 Certified 8045.45.745	
Type	Turbocharged aftercooler	
Displacement / Compression ratio	3.9 l / 18.3:1	
Bore/Stroke	104 x 115mm	
Horsepower (ISO 14396) @2200rpm	86 hp	97 hp
Nominal torque (±5%) @1300rpm	373 Nm	400 Nm
Maximum torque @1300rpm	393 Nm	420 Nm
Engine speeds	2200 rated speed, full load	
POWER TRAIN		
Transmission	CARRARO 2WD TLB1 or 4WD TLB1	
Type	Power Shuttle (4FW/4REV) - Power Shift (4FW/3REV)	
Gear	Forward - Reverse (speed kmph)	
1st - 2nd - 3rd -4th Speed (16.9 - 28.12 PR - Rear Tires)	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 26.17	
Type - Oscillation	+/- 8°	
REAR AXLE		
Model	CARRARO 28.32M	
Type	Rigid	
BRAKES		
Services brakes	Hydraulic foot operated, 2 Disks per side	
Parking Brakes	Type: Manual, with lever	
TYRE SIZE RECOMMENDED		
2WD	9.0 x 16 - 16 PR front	16.9 x 28 - 12PR or 12 x 25 - 20 PR rear
4WD	12.5 x 18 - 12 PR front	16.9 x 28 - 12 PR front
HYDRAULIC SYSTEM		
Type	Open center with double gear pump	
Flow rate @ 2200rpm	123 lpm	145 lpm
Pressure	210 bar	
STEERING		
Type	Power Steering	
System pressure / Displacement	140 bar / 125cc	
Turning radius (outside of the bucket)	4600 mm with brake	5550 mm with brake
Tread width	1884 mm front	1697 mm front
CABIN		
Certification	ROPS/FOPS	
Air conditioning	Optional	
SERVICE CAPACITIES		
Engine oil	8.6 ltr	
Transmission oil (2WD/4WD)	19/21 ltr	
Front axle oil	9 ltr	
Rear axle oil	17 ltr	
Hydraulic oil	110 ltr	
Fuel tank	129 ltr	
Coolant	24 ltr	

SPECIFICATIONS



GENERAL DIMENSIONS

570T / 570ST (2WD/4WD)

Straight Loader Arm

A	Dump height	2650 / 2720 mm
B	Load over height	3300 mm
C	Hinge pin height	3510 / 3580 mm
D	Reach at ground	1980 mm
E	Reach at full height-bucket dumped (Standard/ 4x1 bucket)	800 / 760 mm
F	Below ground level-dig depth	94 / 98 mm
G	Dump angle	47° / 45°
	Maximum lifting capacity @ max height	3425 kg

OVERALL DIMENSIONS AND WEIGHTS

H	Cab height	2850 / 2870 mm
I	Stabilizer width	2270 mm
	Overall length (Transport)	5880 mm
	Overall operating weight	8300* / 8110** kg
W	Wheel base	2175 mm
X	Minimum ground clearance	approx. 335 mm
Y	Overall height (Transport)	3820 / 3800 mm
Z	Width over bucket (Transport)	2277 mm

* SAE transport w/o operator, 4WD, 14' E-hoe w/30' backhoe bucket, Straight L/A w/4 x 1 loader bucket, Cab, AC, light front counter weight

** SAE transport w/o operator, 4WD, 15' E-hoe w/30' backhoe bucket, Straight L/A w/Std. 1 cum loader bucket, Cab, AC, light front counter weight

BACKHOE - STANDARD DIPPER

570T / 570 ST (14')

L	Max.dig depth	4399 mm
M	Reach ground level to swing center	5657 mm
N	Max working height	5489 mm
O	Max load over height	3644 mm
P	Bucket rotation	204°
	Bucket breakout force (Max force hole)	5606 kgf
	Dipper digging force	4286 kgf

BACKHOE - EXTENDAHOE DIPPER (RETRACTED/EXTENDED)

570T / 570 ST (14')

L	Max.dig depth	4547 / 5584 mm
M	Reach ground level to swing center	5792 / 6739 mm
N	Max working height	5585 / 6220 mm
O	Max load over height	3752 / 4387 mm
P	Bucket rotation	204°
	Bucket breakout force (Max force hole)	5616 kgf
	Dipper digging force	4030 / 2931 kgf



BUILDING A STRONG CASE.

Since 1842, at CASE Construction Equipment we have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity.

We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development.

The vast CASE dealers' network is always ready to support and protect your investment and exceed your expectations, while also providing you with the ultimate ownership experience.

Our goal is to build both stronger machines—and stronger communities. At the end of the day, we do what's right for our customers and our communities so that they can count on CASE.

CaseCE.com

NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC

