

**T-SERIES BACKHOE LOADER
570ST**

CASE
CONSTRUCTION



**THE DAWN
OF A NEW ERA**

www.casece.com
**EXPERTS FOR THE REAL WORLD
SINCE 1842**

MAIN REASONS TO CHOOSE THE 570ST BACKHOE LOADER



HIGH VISIBILITY

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



EASY ACCESS

Traditionally CASE backhoe Loader are recognized for easy components as well as cab accessibility.

All the controls are easy to reach for maximum performances and safety.



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 (Standard option) guarantees precise automatic loader repositioning and easy to control loading operations.



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.





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.

High productivity 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.

THE 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.

- The extra spacious 6 pillars mounted cab features floor-to-ceiling windows for an excellent visibility: both operator comfort and safety are ensured meeting productivity.



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. The inner sliding makes the periodical free play setting easy to be done without special tooling requirements.



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 up to 12% faster cycle when working on excavating or loading applications.

Large box-section structures with thick, multi-plate fabrications, castings, and forgings are used in high-stress areas such as the boom nose, boom foot, boom cylinder, and stick foot to improve durability. The robotically welded two-piece structural frame design provides a rugged and reliable foundation for the machine that improves stability, performance, and serviceability.

STRAIGHT TO PERFORMANCE



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 new 2-cylinder steering front axle is mounted above the center pivot and can oscillate to ± 8 degrees, so that all four wheels stay on the ground ensuring great stability even in toughest conditions and with highest front loads.



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: construction and material handling equipment, agricultural equipment, commercial vehicles, trucks, generators, irrigation pumps, marine 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 standard 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.



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 570ST backhoe loader 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 570ST is 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 hard road surfaces or frozen earth.



Snow and dust removal

In winter, the CASE 570ST backhoe loader equipped with a 4x1 bucket will deal efficiently with obstructions and hazards created by abundant snowfall, loading snow on trucks as a loader or pushing it as a dozer. A hydraulic hammer is essential in the severe conditions of the Russian winter. In the summer, the CASE 570ST will clean away debris, dirt and rubbish with ease.



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 570ST is an ideal asset 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 570ST has power capacity to complete it with a minimal operating costs.



AGRICULTURE

Wide field

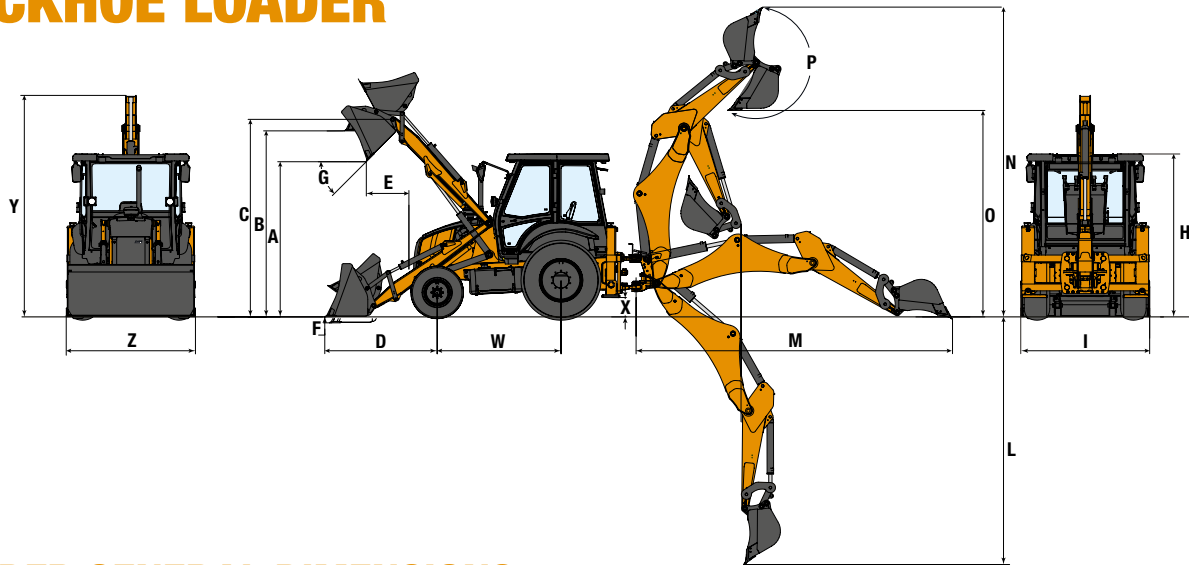
Backhoe loaders are increasingly popular among farmers due to their exceptional versatility. They can carry out construction work such as the erection of cowsheds and barns or repair and construction of rural roads and pure agricultural tasks such as delivery forage to stables or fertilizer onto fields. This results in high operating efficiency and low production costs. The CASE 570ST stands out as one of the most efficient backhoes for agriculture applications in the industry.







570ST BACKHOE LOADER



LOADER GENERAL DIMENSIONS

570ST 4WD

| | | |
|---|---------------------------------------|---------|
| A | Dump height | 2720 mm |
| B | Load over height | 3275 mm |
| C | Hinge pin height | 3580 mm |
| D | Reach at ground | 1980 mm |
| E | Reach at full height-bucket dumped | 698 mm |
| F | Below ground level-dig depth | 98 mm |
| G | Dump angle | 45° |
| | Maximum lifting capacity @ max height | 3425 kg |

BACKHOE - STANDARD DIPPER 15'

570ST 4WD

| | | |
|---|------------------------------------|---------|
| L | Max.dig depth | 4700 mm |
| M | Reach ground level to swing center | 5927 mm |
| N | Max working height | 5675 mm |
| O | Max load over height | 3726 mm |
| P | Bucket rotation | 204° |
| | Bucket breakout force | 5630 kg |
| | Dipper digging force | 3809 kg |

BACKHOE - EXTENDAHOE DIPPER 15'

570ST 4WD Retracted/Extended

| | | |
|---|------------------------------------|--------------|
| L | Max.dig depth | 4708/5892 mm |
| M | Reach ground level to swing center | 5905/7001 mm |
| N | Max working height | 5682/6405 mm |
| O | Max load over height | 3825/4548 mm |
| P | Bucket rotation | 204° |
| | Bucket breakout force | 5630 kg |
| | Dipper digging force | 3811/2723 kg |

OVERALL DIMENSIONS AND WEIGHTS

570ST 4WD

| | | |
|---|----------------------------------------------------------------|---------|
| H | Cab height | 2870 mm |
| I | Overall width | 2270 mm |
| | Overall operating weight (bucket 4in1, ext. backhoe, operator) | 8110 kg |
| W | Wheel base | 2175 mm |
| X | Minimum ground clearance | 399 mm |
| Y | Overall height (Transport) | 3800 mm |
| Z | Width over bucket (Transport) | 2277 mm |

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

| | 570ST 4WD |
|----------------------------------------|--------------------------------------------------------------|
| ENGINE | |
| Model | 8045.45.748 |
| Type | TCA |
| Displacement / Compression ratio | 3.9 l / 18.3:1 |
| Bore/Stroke | 104 x 115mm |
| Horsepower - rated at 2200 rpm | 96 hp |
| Maximum torque at 1300 rpm | 420 Nm |
| Engine speeds | 2200 rated speed, full load, 950 low idle speed (at no load) |
| POWER TRAIN | |
| Transmission | CARRARO 4WD TLB1 |
| Type | Power Shuttle with 4 forward and 4 reverse travel gears |
| Gear | Front / Reverse. Speed kmph |
| 1st - 2nd - 3rd -4th Speed | 6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/not recommended |
| FRONT AXLE | |
| 4 Wheel Drive (Optional) | Model CARRARO 26.17 |
| Type - Oscillation | +/- 8° |
| REAR AXLE | |
| Model | CARRARO 28.32M |
| Type | Rigid |
| BRAKES | |
| Services brakes | Type: wet multi-disc / Nr. of discs: 4 |
| Parking Brakes | Type: Manual, with lever |
| TYRE SIZE RECOMMENDED | |
| Rear | 16.9 x 28 - 12PR |
| Front | 12.5 x 18 - 12 PR |
| HYDRAULIC SYSTEM | |
| Type | Load Sensing, closed center with Train 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) | 5550 mm with brake |
| Tread width | 1697 mm front |
| CABIN | |
| Certification | ROPS/FOPS |
| Air conditioning | Optional |
| SERVICE CAPACITIES | |
| Engine oil | 9.1 ltr |
| Trasmission oil | 22 ltr |
| Rear axle oil | 17 ltr |
| Hydraulic oil | 110 ltr |
| Fuel tank | 129 ltr |
| Coolant | 20 ltr |



PARTS AND SERVICE

Wide network of customer support across the world.

No matter where you work, we're here to support and protect your investment and exceed your expectations. You can count on Case and your Case dealer for full-service solutions-productive equipment, expert advice, flexible financing, genuine Case parts and fast service. We're here to provide you with the ultimate ownership experience. To locate a Case dealer or learn more about Case equipment or customer service, go to www.casece.com

NOTE: CASE provides specific outfits for various countries and many optional fittings (OPT). The illustrations on this or other leaflets may relate to standard or optional fittings. Please consult your CASE dealer for any information in this regard and any possible updating on components. CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

