

**T SERIES BACKHOE LOADER
570T/570ST**

CASE
CONSTRUCTION



**THE DAWN
OF A NEW ERA**

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EXPERTS FOR THE REAL WORLD
SINCE 1842

MAIN REASONS TO CHOOSE THE T-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 570ST)



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 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. Higher productivity on 570ST 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 570ST 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, 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 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 backhoe loaders have power capacity to complete it with a minimal operating costs.



AGRICULTURE

Wide field

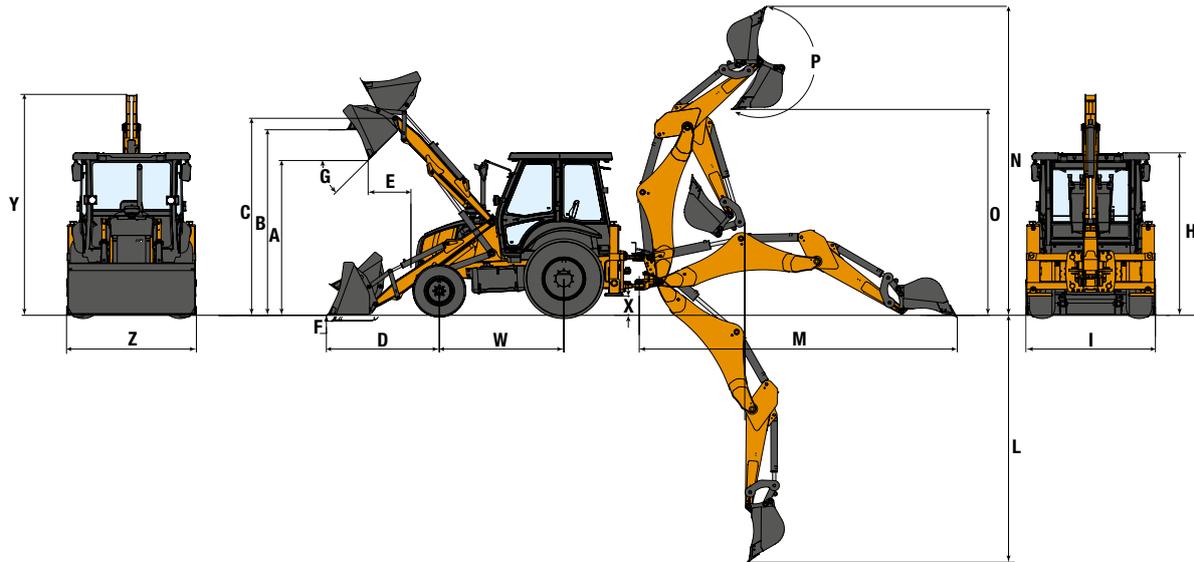
Backhoe loaders are increasingly popular among farmers due to their exceptional versatility. They can carry out construction work such as the erection of cowsheds and barns or repair and construction of rural roads and pure agricultural tasks such as delivery forage to stables or fertilizer onto fields.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







BACKHOE LOADERS



GENERAL DIMENSIONS

	570T (2WD/4WD)	570ST (2WD/4WD)
A Dump height	2650/2720 mm	2650/2720 mm
B Load over height	3205/3275 mm	3205/3275 mm
C Hinge pin height	3510/3580 mm	3510/3580 mm
D Reach at ground	1980 mm	1980 mm
E Reach at full height-bucket dumped	800/760 mm	800/760 mm
F Below ground level-dig depth	94/98 mm	94/98 mm
G Dump angle	47°/45°	47°/45°
Maximum lifting capacity @ max height	3425 kg	3425 kg

OVERALL DIMENSIONS AND WEIGHTS

	570T (2WD/4WD)	570ST (2WD/4WD)
H Cab height	2850/2870 mm	2850/2870 mm
I Overall width	2277 mm	2277 mm
Overall operating weight	7350 kg	7350 kg
W Wheel base	2175 mm	2175 mm
X Minimum ground clearance	400 mm	400 mm
Y Overall height (Transport)	3820/3800 mm	3820/3800 mm
Z Width over bucket (Transport)	2277 mm	2277 mm

BACKHOE - STANDARD DIPPER

	570T(14')	570ST(15')
L Max.dig depth	4399 mm	4700 mm
M Reach ground level to swing center	5657 mm	5927 mm
N Max working height	5489 mm	5675 mm
O Max load over height	3644 mm	3726 mm
P Bucket rotation	204°	204°
Bucket breakout force	5630 kg	5630 kg
Dipper digging force	4300 kg	4300 kg

BACKHOE - EXTENDAHOE DIPPER

	570T(14')	570ST(15')
L Max.dig depth	5584 mm	5892 mm
M Reach ground level to swing center	6739 mm	7024 mm
N Max working height	6220 mm	6405 mm
O Max load over height	4387 mm	4459 mm
P Bucket rotation	204°	204°
Bucket breakout force	5630 kg	5630 kg
Dipper digging force (retracted)	4300 kg	4300 kg

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

	570T 2WD/4WD	570ST 2WD/4WD
ENGINE		
Model	8045.45.745	8045.45.748
Type	Turbocharged aftercooler	Turbocharged aftercooler
Displacement / Compression ratio	3.9 l / 18.3:1	3.9 l / 18.3:1
Bore/Stroke	104 x 115mm	104 x 115mm
Horsepower - rated at 2200 rpm	86 hp	96 hp
Maximum torque at 1300 rpm	393 Nm	420 Nm
Engine speeds	2200 rated speed, full load	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	Power Shuttle with 4 forward and 4 reverse travel gears
Gear	Forward - Reverse (speed kmph)	Forward - Reverse (speed kmph)
1st - 2nd - 3rd -4th Speed	6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR	6.2/7.4 - 10/12 - 20.7/24.8 - 39.2/NR
FRONT AXLE		
2 Wheel Drive (Standard)	Model CNH PS1300	Model CNH PS1300
Type - Oscillation	+/- 10.5°	+/- 10.5°
4 Wheel Drive (Optional)	Model CARRARO 26.17	Model CARRARO 26.17
Type - Oscillation	+/- 8°	+/- 8°
REAR AXLE		
Model	CARRARO 28.32M	CARRARO 28.32M
Type	Rigid	Rigid
BRAKES		
Services brakes	Type: wet multi-disc / Nr. of discs: 6	Type: wet multi-disc / Nr. of discs: 6
Parking Brakes	Type: Manual, with lever	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	Open center with double gear pump
Flow rate	123 lpm @ 2200rpm	145 lpm @ 2200rpm
Pressure	210 bar	210 bar
STEERING		
Type	Power Steering	Power Steering
System pressure / Displacement	140 bar / 125cc	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	ROPS/FOPS
Air conditioning	Optional	Optional
SERVICE CAPACITIES		
Engine oil	9.1 ltr	9.1 ltr
Transmission oil	19/21 ltr	19/21 ltr
Front axle oil	-/9 ltr	-/9 ltr
Rear axle oil	17 ltr	17 ltr
Hydraulic oil	110 ltr	110 ltr
Fuel tank	129 ltr	129 ltr
Coolant	24 ltr	24 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.

