

**T-SERIES BACKHOE LOADER  
570ST CENTER PIVOT**

**CASE**  
CONSTRUCTION



**THE DAWN  
OF A NEW ERA**

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**SINCE 1842**

# MAIN REASONS TO CHOOSE BACKHOE LOADERS



## HIGH VISIBILITY

Excellent visibility for all operations with loader or backhoe.



## 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.



## 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.



## 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 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 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.



## 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.



## 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 2WD 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.



## 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.





# 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.



## 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

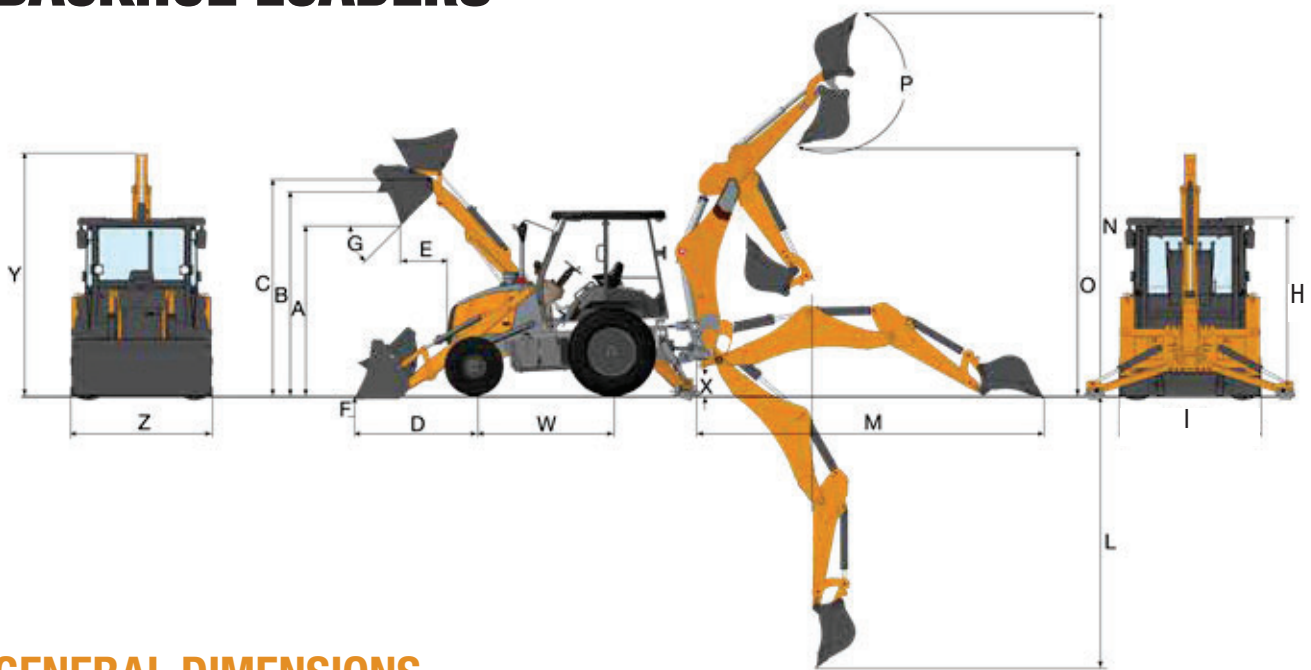
CASE continues to be the preferred choice for palm oil plantations and mills across all the Southeast Asia customers, especially for the low fuel consumption, the easy serviceability and the high versatility in maintaining plantations roads and digging canals.







# BACKHOE LOADERS



## GENERAL DIMENSIONS

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

## OVERALL DIMENSIONS AND WEIGHTS

	570ST (2WD)	570ST (4WD)
H Cab height	2850 mm	2870 mm
I Overall width	2230 mm	2270 mm
Overall operating weight	7085 kg	7135 kg
W Wheel base	2175 mm	2175 mm
X Minimum ground clearance	399 mm	399 mm
Y Overall height (Transport)	3820 mm	3800 mm
Z Width over bucket (Transport)	2270 mm	2270 mm

## BACKHOE - STANDARD DIPPER

	570ST (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	3543 mm	3726 mm
P Bucket rotation	204°	204°
Bucket breakout force	5630 kg	5630 kg
Dipper digging force	4370 kg	3854 kg

## BACKHOE - EXTENDAHOE DIPPER

	570ST (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	6405 mm	6220 mm
O Max load over height	4459 mm	4280 mm
P Bucket rotation	204°	204°
Bucket breakout force	5630 kg	5630 kg
Dipper digging force (retracted)	2988 kg	2749 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

	570ST
<b>ENGINE</b>	
Model	S8000 BS-3 Certified-8045.45.748
Type	Direct Injection Turbo charged
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)
<b>POWER TRAIN</b>	
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 -10 -20.7 -39.2
<b>FRONT AXLE</b>	
2 Wheel Drive (Standard)	Model CNH PS1300
Type - Oscillation	+/- 10.5°
4 Wheel Drive (Optional)	Model CARRARO 26.17
Type - Oscillation	+/- 8°
<b>REAR AXLE</b>	
Model	CARRARO 28.32M
Type	Rigid
<b>BRAKES</b>	
Services brakes	Type: wet multi-disc / Nr. of discs: 6
Parking Brakes	Type: Manual, with lever
<b>TYRE SIZE RECOMMENDED</b>	
2WD	16.9 x 28 - 12PR or 12 x 25 - 20 PR rear
4WD	16.9 x 28 - 12 PR front
<b>HYDRAULIC SYSTEM</b>	
Type	Closed center with double gear pump
Flow rate	145 lpm @ 2200rpm
Pressure	210 bar
<b>STEERING</b>	
Type	Power Steering
System pressure / Displacement	140 bar / 125cc
Turning radius (outside of the bucket)	5550 mm with brake
Tread width	1697 mm front
<b>SERVICE CAPACITIES</b>	
Engine oil	11 ltr
Transmission oil	16 ltr
Rear axle oil	18 ltr
Hydraulic oil	130 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](http://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.

