

T-SERIES BACKHOE LOADERS
570T

CASE
CONSTRUCTION



**THE CONSTRUCTION
KING**

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

T SERIES BACKHOE LOADER

570T

The family gets wider:

The 570T makes available all the well known CASE exclusive features and high performances to a wider range of customers. With the 570T the return on investment is fast and easy thanks to its reliability and productivity.

“S-tyled backhoe”:

The new Backhoe represents the continuity of the CASE DNA. Performances: lifting capacity, digging depth, digging force fix a new standard threshold on this machine segment.

S8000 series engine form worldwide engine producer leader:

FPT with its 600.000 engines produced per year is the leader on the off highway engine sector.

This leadership is the result of the most advanced technologies applied on the engine as well as a long heritage of reliability and low maintenance costs.

Straight arm loader: above any limit

The CASE loader ensures highest loading capacity in the market linked 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.



CASE 570T backhoe loader has the mobility, speed, power, break-out forces and reliability to be the most versatile machine in your fleet.

No matter what your digging, loading or material handling job is; the 570T satisfies all your needs and allows you to go through all tough job conditions.





CASE DNA SINCE 1957

Case has been an innovative construction equipment market leader since 1912.

In the Spring of 1957 Case introduced the Model 320, the world's first factory-built tractor loader backhoe (TLB). Since that time we have continuously developed and improved our loader/backhoe range, to meet the changing needs of our customers around the world.

Case was the first manufacturer to develop an extending dipper, the patented Case Extendahoe. In 2005 Case produced its 500,000th loader/backhoe, and today we are well on the way to three quarters of a million. No other manufacturer comes close, a pedigree that guarantees strong residual values for your machine.



AT THE HEART OF THE NEW 570T

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**
- ✔ **GENERATORS**
- ✔ **IRRIGATION PUMPS**
- ✔ **MARINE APPLICATIONS**



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. It is TIER III certified thanks to its EGR technology.

The very first generation of the S8000 engine family was born in 1967. Launched as Series 800, it already showed exceptional versatility that made it an extraordinary success. Since the first models entered production over 45 years ago, the S8000 engine family has undergone a continuous evolution, introducing a multiplicity of innovations to constantly increase power, performance and efficiency.



FPT INDUSTRIAL: TECHNOLOGICAL PARTNER

Fiat Powertrain Industrial – known around the world as FPT Industrial – is one of the world's leading players in the development and production of engines, axles and transmissions for on-road, off-road, marine and power generation applications.

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.



SERVICEABILITY

The 570T has been designed to capitalize on serviceability. Tilttable hood allows operators a fast and easy access to service points during daily maintenance.

EXTRAORDINARY FUEL EFFICIENCY

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.

THE EXPERT PRODUCTIVE PARTNER

BACKHOE

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 standard lifting hook will allow to easily and safely handle suspended objects.

Boom and dipper are built to guarantee durability and each undergoes ultrasound inspection to ensure weld quality and reliability.



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.

LOADER

Visibility is guaranteed by the straight loader arm design that with its optimized line routings location allows operators to work with maximum comfort.



TRANSMISSION

The power shuttle transmission provides four speeds forward and reverse. Hydraulically shifted clutches allow on-the-go direction and travel speed shifts. Control valves deliver smooth speed and directional shifts. 4WD option improves mobility and loader performance where job site conditions are muddy and extra traction is mandatory.



AXLES

The axles are designed to handle extreme applications resulting in reliable performance and extended life. The 2 cylinders steering front axle is "Above Center Pivot" mounted and can oscillate to ± 11 degrees helping to ensure all four wheels stay on the ground providing stability even in the roughest terrain.



BUSINESS CLASS

COMFORT GUARANTEED

A COMFORTABLE OPERATOR IS A CONFIDENT AND PRODUCTIVE OPERATOR

- Case 570T features a ROPS/FOPS cab ensuring comfortable working space for both the operator and a possible helper.
- Wide windows and narrow cab columns put you in command with clear, all-around visibility. Optimal view of bucket corners improves comfort and jobsite safety for great productivity.
- The standard heating system and the optional air conditioning will always guarantee the optimal temperature inside the cab.
- All the controls have been specially positioned to offer easy access and maximize controllability. The cabin has a large buddy seat along with an integrated storage compartment plus a document holder, cup holder and radio.

THE SEAT

- The mechanical suspended seat enhances operator comfort with a cushioned upper high back. It is fully adjustable to provide the optimal driving position.





CONTROLS

Operator controls are in ergonomic positions. Easy access to the cab with ergonomically placed grab rails, walk-up steps and large platform.

BUDDY SEAT

Full-size helper seat features a fully cushioned seat for a secure and comfortable ride.

ACCESSIBILITY

The entry into the cab has never been easier than with the pull to release style handle and the 2 steps to safely and comfortably enter and exit.

VISIBILITY

With a 6 post cab and plenty of floor to ceiling windows for excellent visibility to improve both operator performance and jobsite safety.



MULTI-PURPOSE PARTNER



4x1 Bucket
One single tool for
many applications

**Extendible dipper
and auxiliary
hydraulics**



No matter what the application is, the 570T can be configured to properly address every need. The optional Extendible Dipper and auxiliary hydraulics allow to reach a digging depth of 5.6 meters and fit a hammer for demolition application.

The multi-purpose 4x1 loader bucket is a “must have” attachment for the different working conditions of digging, loading and unloading, flattening and leveling application.

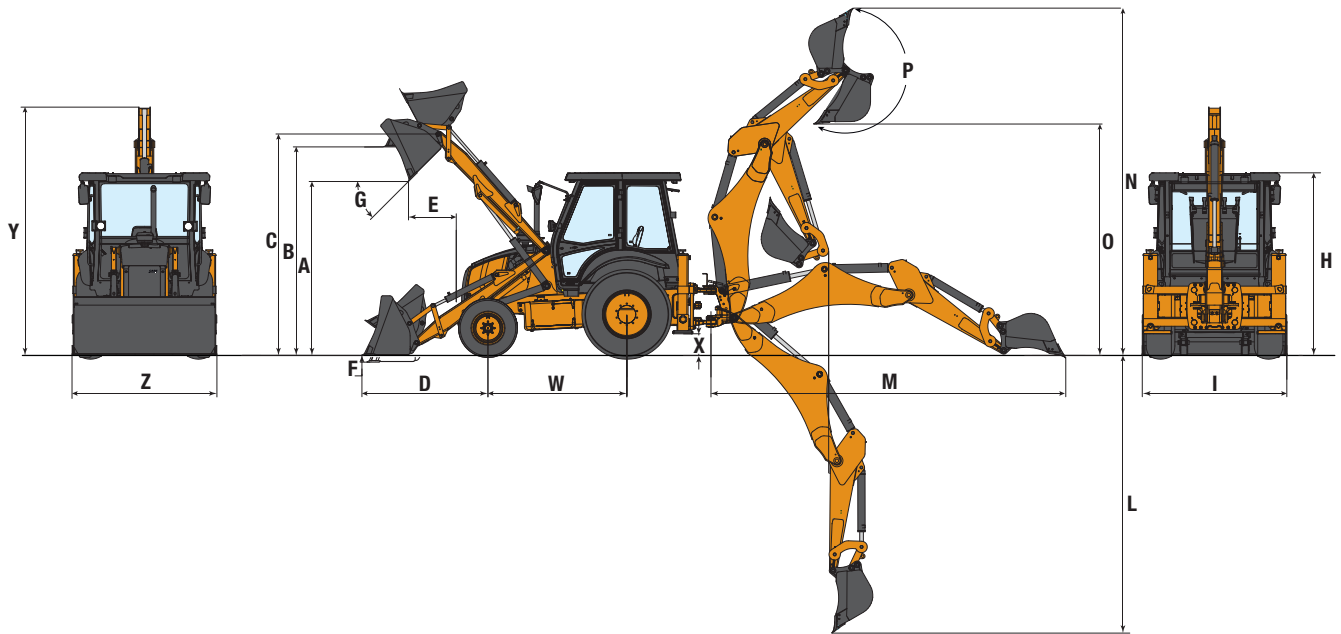
SPECIFICATIONS

570T

ENGINE		
Model code / Type	8040.45 / TCA	
Bore / Stroke	104 x 115 mm	
Displacement / Compression ratio	3.9 l / 18.3:1	
Horsepower - rated at 2200 RPM	86 hp	
Maximum torque at 1300 RPM	402 Nm	
Engine speeds	2200 rated speed, full load	950 low idle speed (at no load)
POWER TRAIN		
Transmission		
Model	CARRARO 2WD TLB1 (for 570T 2 WD)	CARRARO 4WD TLB1 (for 570T 4 WD)
Type	Power Shuttle with 4 forward and 4 reverse travel gears	
Gear	Forward (speed kmph)	Reverse (speed kmph)
1 st - 2 nd - 3 rd - 4 th	6.2 - 10 - 20.7 - 39.2	7.4 - 12 - Not Recom. - Not Recom.
FRONT AXLE		
2 Wheel Drive (Standard)		
Model	CNH PS1300	
Type - Oscillation	Steering - +/- 10.5 °	
4 Wheel Drive (Optional)		
Model	Carraro 26.17	
Type - Oscillation	Steering - +/- 8 °	
REAR AXLE		
Model for 570T 2WD and 4 WD	CARRARO 28.32M	
Type	Rigid	
BRAKES		
Service Brakes	Type: wet multi-discs / Nr. of discs: 6	
Parking Brakes	Type: Manual, with lever	
TYRE SIZE RECOMMENDED		
Standard	9.0 x 16 - 16 PR front	16.9 x 28 - 12 PR rear
Heavyduty	12.5 x 18 - 12 PR front	14 x 25 - 20 PR rear
HYDRAULIC SYSTEM		
Type	Open center with double gear pump	
Flow rate	123 lpm @2200 RPM	
Pressure	210 Bar	
STEERING		
Type	Power Steering	
System pressure / Displacement	140 bar / 125 cc	
Turning radius (outside of the bucket)	4600 mm with brake	5550 mm without brake
Tread width	1884 mm front	1697 mm rear
SERVICE CAPACITIES		
Engine oil	11 ltr	
Transmission oil	16 ltr	
Rear axle oil	18 ltr	
Hydraulic oil	130 ltr	
Fuel tank	142 ltr	
Coolant	20 ltr	

T SERIES BACKHOE LOADER

GENERAL DIMENSIONS STANDARD DIPPER



LOADER

A	Dump height	mm	2732
B	Load over height	mm	3275
C	Hinge pin height	mm	3478
D	Reach at ground	mm	1980
E	Reach at full height-bucket dumped	mm	751
F	Below ground level-dig depth	mm	106
G	Dump angle	°	45
	Maximum lifting capacity @ max height	kg	3700

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

BACKHOE

L	Max. dig depth	mm	4363
M	Reach ground level to swing center	mm	5574
N	Max working height	mm	5455
O	Max load over height	mm	3636
P	Bucket rotation	°	204
	Bucket breakout force	kgf	5630
	Dipper digging force	kgf	4300

OVERALL DIMENSIONS AND WEIGHTS

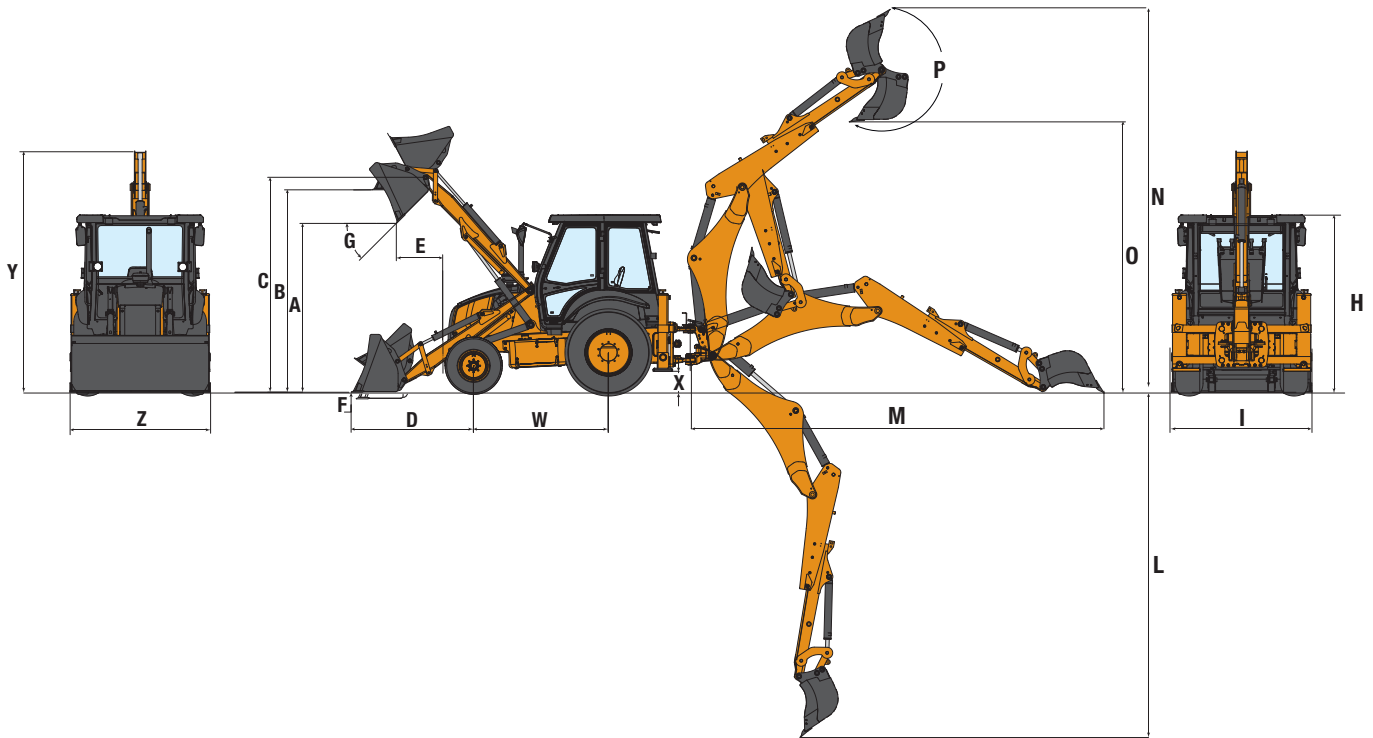
H	Cab height	mm	2868
I	Overall width	mm	2271
	Overall operating weight	kgs	7710
W	Wheel base	mm	2181
X	Minimum ground clearance	mm	399
Y	Overall height (Transport)	mm	3901
Z	Width over bucket (Transport)	mm	2277

* Operating weight with 1 Cum loader bucket and 0.26 Cum backhoe bucket, standard dipper, 80 Kg operator and full fuel tank.

SPECIFICATIONS

570T

GENERAL DIMENSIONS EXTENDHOE DIPPER



BACKHOE

L	Max.dig depth	mm	5583
M	Reach ground level to swing center	mm	6695
N	Max working height	mm	6195
O	Max load over height	mm	4376
P	Bucket rotation	°	204
	Bucket breakout force	kgf	5630
	Dipper digging force (retracted)	kgf	4300

STANDARD AND OPTIONAL

STANDARD

INSTRUMENTATION:

Speedometer
RPM meter
Digital hour counter
Fuel level indicator
Engine coolant temperature gauge

Switches for operating the working lamps, cabin fan, declutch, & hazard lamps

ELECTRICAL & LIGHTS

2 Head lights in front with Parking lights & direction indications

Cabin lights
2 rear working lights for backhoe operation
Spacious battery box on RH side for easy access and maintenance

OPTIONS

Air conditioning
Hammer circuit

4x1 multipurpose bucket
1.1 Cum and 1.2 Cum loader bucket with teeth

Rotating beacon
Front fenders

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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.