

**T-SERIES BACKHOE LOADER  
570T | 570ST**

**CASE**  
CONSTRUCTION



**THE DAWN  
OF A NEW ERA**

[www.casece.com](http://www.casece.com)  
**EXPERTS FOR THE REAL WORLD**  
**SINCE 1842**

# HERITAGE

## CASE DNA SINCE 1957



## EXPERTS FOR THE REAL WORLD SINCE 1842

- 1842** Case is founded.
- 1959** Case TLB 420 was the first diesel powered model.
- 1964** Case is the first manufacturer to develop an extending dipper, the patented Case Extendahoe.
- 1969** Case begins skid steer loader production.
- 1998** Case is the first to offer Ride Control on a loader/backhoe.
- 1999** Case signed a partnership with Larsen and Toubro (L&T) PVT, leader on Indian market for the local production of Backhoe loaders.
- 2000** Case is the first company to offer a backhoe loader integrated quick coupler.
- 2001** Case M series Backhoe is listed in "Construction Equipment" magazine among the TOP 100 products.
- 2005** Case produces its 500,000th loader/backhoe and is today well on the way to three quarters of a million.
- 2011** CASE acquires (L&T) enterprises and starts the production of 770th model in India.
- 2014** Case enlarges its backhoe loader family introducing the new 570T specifically engineered for Africa and Middle East.
- 2016** Case Introduces the 570ST offering 12% higher power and performances on its entry level model.

# T SERIES PRODUCT RANGE



## 570T

-  **Max weight:** 7710 kg
-  **Net power:** 64 kW/86 hp
-  **Loader bucket capacity:** 1000 l
-  **Backhoe digging depth:** 4.36/5.58 m

## 570ST

-  **Max weight:** 7710 kg
-  **Net power:** 72 kW/97 hp
-  **Loader bucket capacity:** 1000 l
-  **Backhoe digging depth:** 4.36/5.58 m



## 580T / 580ST

-  **Max weight:** 8050 kg
-  **Net power:** 72 kW/97 hp
-  **Loader bucket capacity:** 1000 l - 1000 l / 1200 l
-  **Backhoe digging depth:** 4.37/5.43 m



## 590ST

-  **Max weight:** 8120 kg
-  **Net power:** 82 kW/110 hp
-  **Loader bucket capacity:** 1000 l/1200 l
-  **Backhoe digging depth:** 4.67/5.88 m

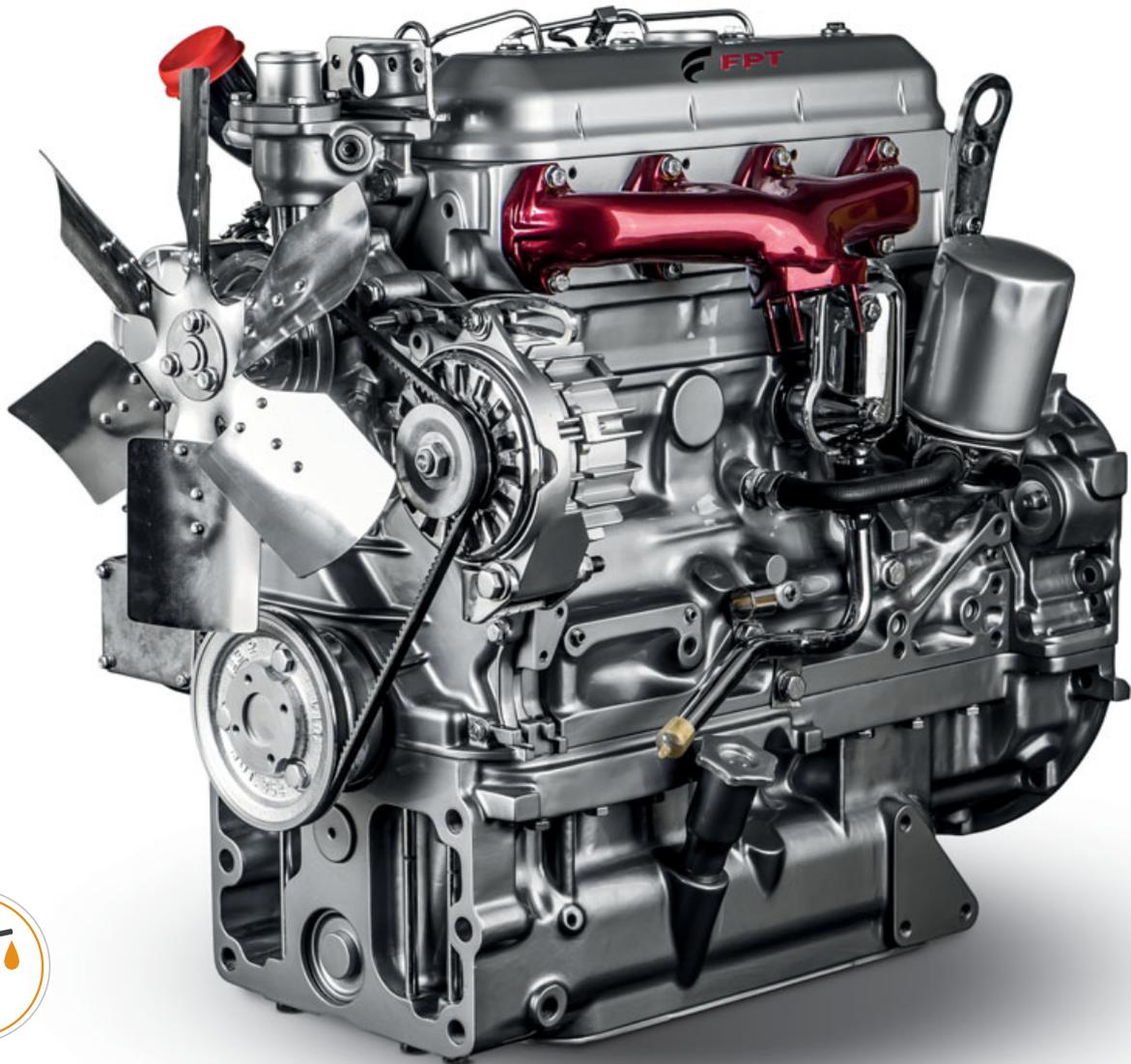


## 695ST

-  **Max weight:** 8840 kg
-  **Net power:** 82 kW/110 hp
-  **Loader bucket capacity:** 1200 l
-  **Backhoe digging depth:** 4.59/5.81 m

# T-SERIES

## BACKHOE LOADERS



### 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 ENGINE THE CORE OF THE NEW T SERIES

## 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.



# T-SERIES BACKHOE LOADERS



## 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.



## EXTENDAHOE

### Extend your business!

The extendahoe allows the operator to increase overall backhoe loader capacity keeping the same strength of the standard dipper. The 570T 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.

# THE EXPERT PRODUCTIVE PARTNER



## 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.



## 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. The new 2-cylinder steering front axle is mounted above the center pivot and can oscillate to  $\pm 13$  degrees, so that all four wheels stay on the ground ensuring great stability even in toughest conditions and with highest front loads.



## 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.

# MAIN REASONS TO CHOOSE THE T-SERIES



## 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.



## 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.



## 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 570T 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.



## 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 cut-off button ensures comfortable and fast travelling.



## 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

# T-SERIES BACKHOE LOADERS



## HIGH VISIBILITY

A comfortable operator is a confident and productive one

- The 570T features, the largest cab in the industry, offering 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.

# CAB AND CONTROLS DESIGNED FOR COMFORT AND SAFETY



- 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.

# T-SERIES BACKHOE LOADERS



# SPECIFICATIONS

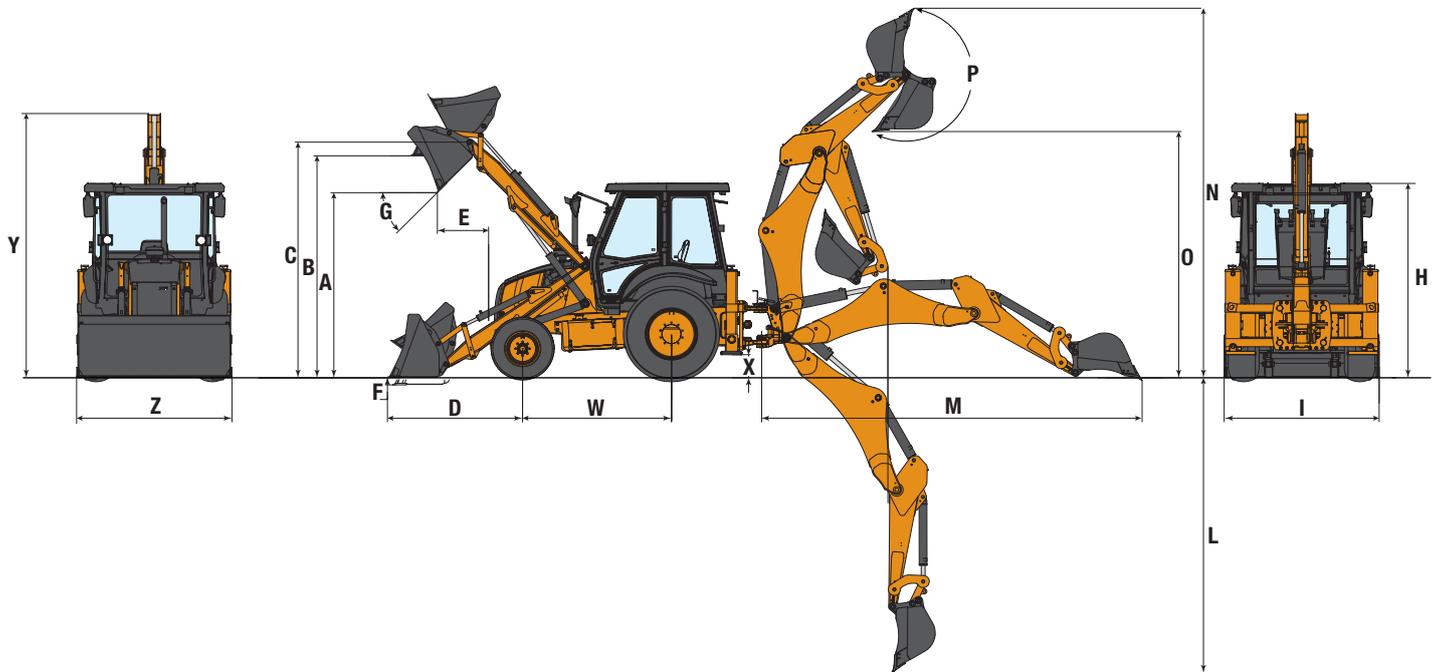
## 570T

## 570ST

<b>ENGINE</b>		
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	97 hp
Maximum torque at 1300 rpm	402 Nm	420 Nm
Engine speeds	2200 rated speed, full load, 950 low idle speed (at no load)	
<b>POWER TRAIN</b>		
<b>Transmission</b>		
Model	CARRARO 2WD TLB1 (for 570T/ST 2WD)	CARRARO 4WD TLB1 (for 570T/ST 4WD)
Type	Power Shuttle with 4 forward and 4 reverse travel gears	
<b>Gear</b>		
	Forward - Reverse (speed kmph)	
1st - 2nd - 3rd - 4th	6.2 - 10 - 20.7 - 39.2	7.4 - 12 - Not recom. - Not recom.
<b>FRONT AXLE</b>		
<b>2 Wheel Drive (Standard)</b>		
Model	CNH PS1300	
Type - Oscillation	+/- 10.5 °	
<b>4 Wheel Drive (Optional)</b>		
Model	CARRARO 26.17	
Type - Oscillation	Steering - +/- 8 °	
<b>REAR AXLE</b>		
Model for 570T 2WD and 4 WD	CARRARO 28.32M	
Type	Rigid	
<b>BRAKES</b>		
Service Brakes	Type: wet multi-discs / Nr. of discs: 6	
Parking Brakes	Type: Manual, with lever	
<b>TYRE SIZE RECOMMENDED</b>		
2WD	9.0 x 16 - 16 PR front	16.9 x 28 - 12PR or 14 x 25 - 20PR rear
4WD	12.5 x 18 - 12 PR front	16.9 x 28 - 12PR rear
<b>HYDRAULIC SYSTEM</b>		
Type	Open center with double gear pump	Closed center with double gear pump
Flow rate	123 lpm @ 2200 rpm	145 lpm @ 2200 rpm
Pressure	210 bar	
<b>STEERING</b>		
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
<b>CABIN</b>		
Certification	ROPS/FOPS	
Air conditioning	Optional	
<b>SERVICE CAPACITIES</b>		
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 LOADERS

## GENERAL DIMENSIONS STANDARD DIPPER



### LOADER

		570T / 570ST	
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

### 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

### OPTIONAL BUCKETS

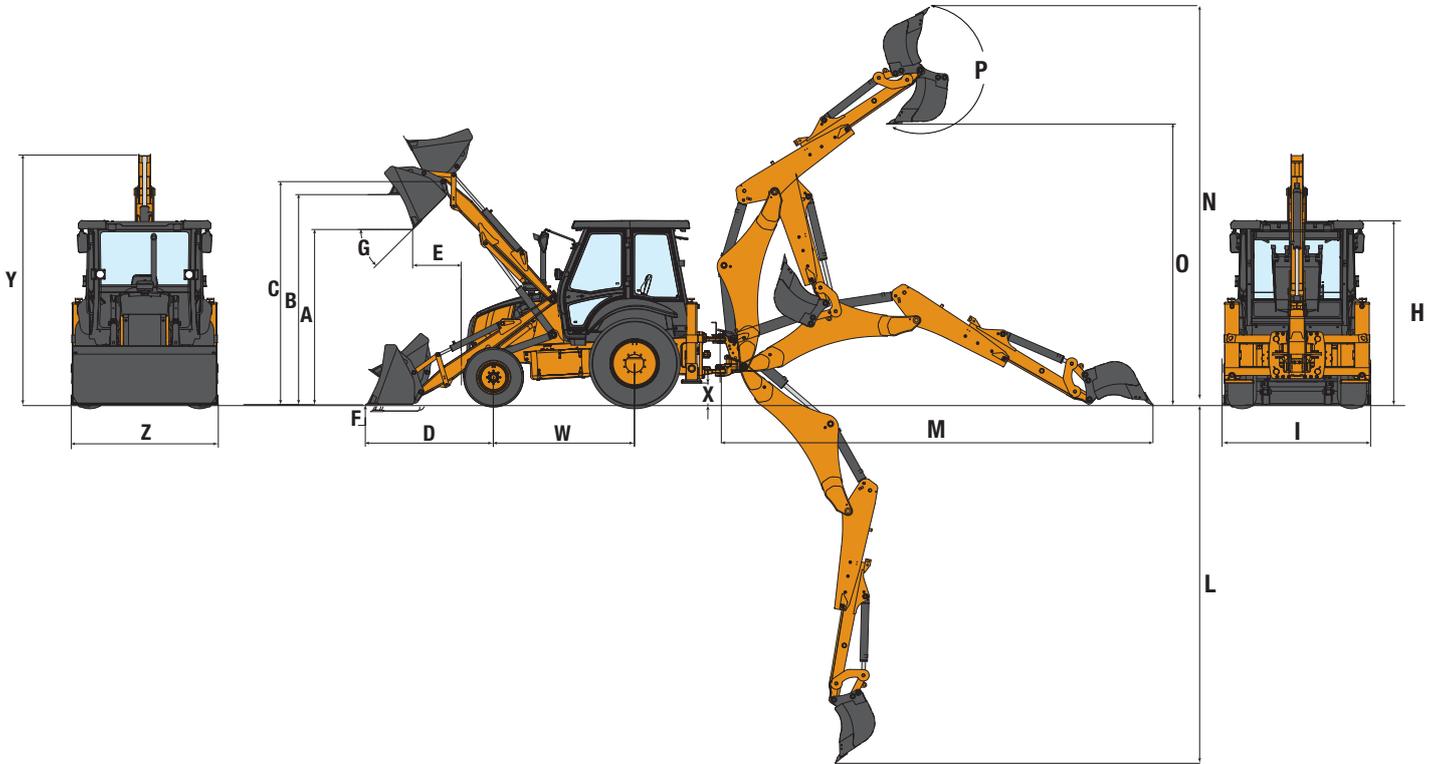
	Capacity (SAE L)
Loader GP	1000
Loader GP	1100
Loader	1200
4 x 1 Loader	1000
12" (300 mm) backhoe trenching	80
18" (450 mm) backhoe trenching	120
24" (600 mm) backhoe trenching	180
30" (760 mm) backhoe trenching	260
36" (910 mm) backhoe trenching	300

### OVERALL DIMENSIONS AND WEIGHTS

		570T / 570ST	
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.

## GENERAL DIMENSIONS EXTENDAHOE DIPPER



### BACKHOE

570T / 570ST

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 EQUIPMENT

### 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

## OPTIONAL EQUIPMENT

### 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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**SINCE 1842**

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CONSTRUCTION



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**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

