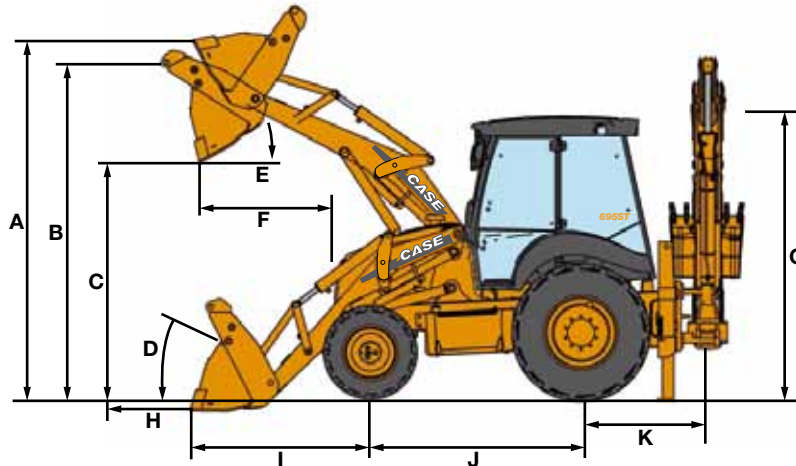


# T-SERIES BACKHOE LOADERS

580T | 580ST | 590ST | 695ST

## General dimensions



LOADER	Bucket	580T		580 ST	
		4-IN-1 / 6-IN-1	Std	4-IN-1 / 6-IN-1	Std
Maximum dump height under bucket at 45°		2693 mm	2685 mm	2693 mm	2685 mm
Maximum reach with bucket at 45°		813 mm	830 mm	813 mm	830 mm
Maximum height pin		3458 mm	3460 mm	3458 mm	3460 mm
Maximum bucket height		4405 mm	4250 mm	4405 mm	4250 mm
Horizontal bucket digging depth		125 mm	120 mm	125 mm	120 mm
Bucket angle (on ground)		43°	43°	43°	43°
Bucket angle (in the transport position)		46°	46°	46°	46°
Lift capacity (at bucket load centre of gravity)		4610 kg	4830 kg	4610 kg	4830 kg
Maximum height lifting capacity		3195 kg	3450 kg	3195 kg	3450 kg
Lift force (boom cylinders)		4070 daN	4050 daN	4070 daN	4050 daN
Breakout force (bucket cylinders)		6650 daN	6545 daN	6650 daN	6545 daN

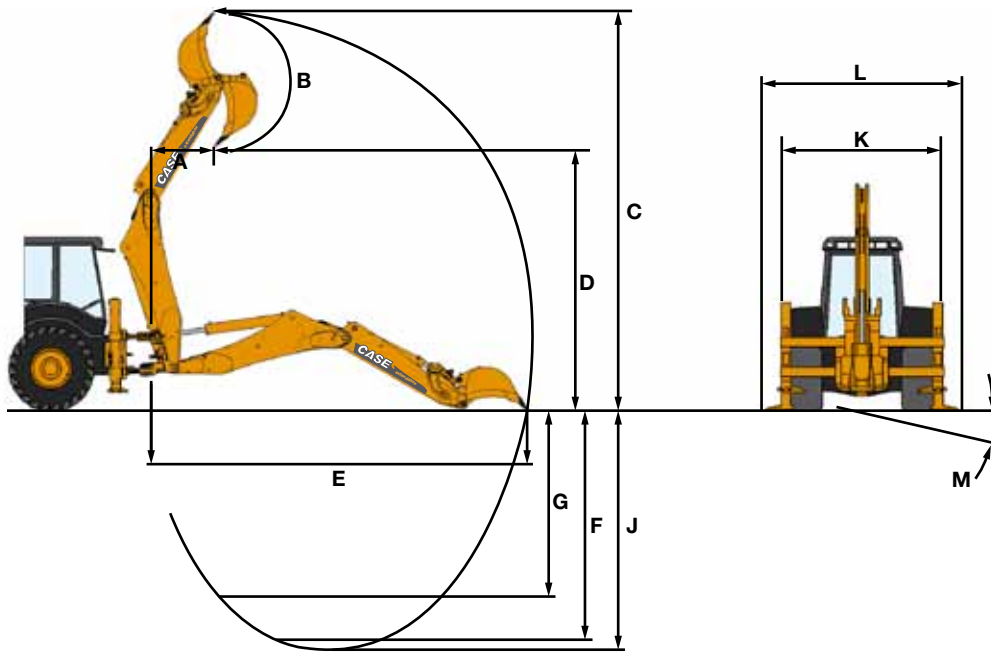
  

BACKHOE	Bucket	580T		580 ST	
		Extended	Std/Retracted	Extended	Std/Retracted
Swinging angle		180°	180°	180°	180°
Maximum digging depth		5435 mm	4369 mm	5435 mm	4369 mm
Maximum reach from swing centre		6238 mm	5229 mm	6238 mm	5229 mm
Maximum operating height		6789 mm	5875 mm	6789 mm	5875 mm
Load height		4834 mm	3923 mm	4834 mm	3923 mm
Maximum reach at rear axle		7563 mm	6554 mm	7563 mm	6554 mm
Capacity at maximum load height		1008 mm	452 mm	1008 mm	452 mm
Central offset		0.62 m	0.62 m	0.62 m	0.62 m
Lift capacity at max outreach		1049 kg	1393/1296 kg	1049 kg	1393/1296 kg
Breakout force (bucket cylinder)		5323 daN	5323 daN	5323 daN	5323 daN
Digging force (dipper cylinder)		2441 daN	3352 daN	2441 daN	3352 daN
Bucket rotation*		200°/195° hyd. QC	200°/195° hyd. QC	200°/195° hyd. QC	200°/195° hyd. QC

\* Force - speed bucket hole

### DIMENSIONS

	580T	580 ST
Boom height transport position	3455 mm	3455 mm
Overall length - with standard bucket	5560 mm	5560 mm
Wheelbase	2175 mm	2175 mm
Cab height	2950 mm	2950 mm
Overall width - with standard bucket	2430 mm	2430 mm
Width outside tyres	2230 mm	2230 mm
Stabiliser levelling compensation angle	14°	14°

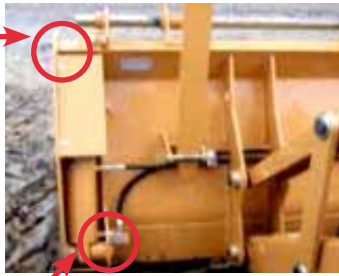


Bucket	590 ST		695 ST	
	4-IN-1 / 6-IN-1	Std	4-IN-1 / 6-IN-1	Std
	2693 mm	2685 mm	2750 mm	2750 mm
	813 mm	830 mm	720 mm	750 mm
	3458 mm	3460 mm	3520 mm	3520 mm
	4405 mm	4250 mm	4460 mm	4350 mm
	125 mm	120 mm	90 mm	85 mm
	43°	43°	45°	45°
	46°	46°	46°	46°
	4610 kg	4830 kg	4580 kg	4770 kg
	3195 kg	3450 kg	3075 kg	3550 kg
	4070 daN	4050 daN	7400 daN	7400 daN
	6650 daN	6545 daN	5500 daN	5520 daN

Bucket	590 ST		695 ST	
	Extended	Std/Retracted	Extended	Std/Retracted
	180°	180°	180°	180°
	5887 mm	4670 mm	5810 mm	4595 mm
	6655 mm	5497 mm	6645 mm	5185 mm
	7141 mm	6111 mm	7215 mm	6192 mm
	5196 mm	4166 mm	5271 mm	4249 mm
	7960 mm	6510 mm	7960 mm	6510 mm
	1682 mm	1027 mm	1682 mm	1472/1 mm
	0.62 m	0.62 m	0.62 m	0.62 m
	1097 kg	1472/1369 kg	1097 kg	1472/1369 kg
	6111 daN	6111 daN	6111 daN	6111 daN
	2488 daN	3482 daN	2488 daN	3482 daN
	198°/195° hyd. QC	198°/195° hyd. QC	198°/195° hyd. QC	198°/195° hyd. QC

	3682 mm	3647 mm
	5560 mm	5499 mm
	2175 mm	2200 mm
	2950 mm	2900 mm
	2430 mm	2480 mm
	2230 mm	-
	14°	14°

# BUILT TO LAST



## Long Life Easy Maintenance Design

- A - Greasing points are protected from dust and damage
- B - Hydraulic connections are well protected, flexible and easy to use
- C - Bucket teeth are pin mounted for rapid replacement
- D - Dozing blade can be easily changed when worn



Steering cylinder protection



Heavy duty rear axle



Rear road lights can be fitted on the stabiliser legs while travelling and on the cab when digging, providing maximum visibility and protection.



## Maintenance Friendly

Single piece tilting engine canopy offers excellent top and side access for safe and easy maintenance.

Hydraulic and steering pressure control points are conveniently located between the cab and the fuel tank for easy checking. Common rail engines are compatible with the Case Electronic Service Tool (EST), making fault diagnosis easier and reducing possible downtime.

All Case TLBs are equipped with a strong 4.5 litre turbocharged engine that complies with Tier 3 emissions legislation.

# T-SERIES BACKHOE LOADERS

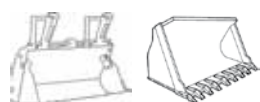
580T | 580ST | 590ST | 695ST

## Specifications

	580T	580 ST	590 ST	695 ST
<b>Engine</b>				
	Conform to 97/68/CE Tier 3 standards for reduced pollution 4 cylinders Turbocharged 4,5 liter			
Injection system	Direct Mechanical	High pressure	High pressure	High pressure
	Injection	Common Rail	Common Rail	Common Rail
Make	CNH 445TA/ML5	CNH 445TA/EEA	CNH 445TA/EGH	CNH 445TA/EGH
Power	72 kW / 97 hp	72 kW / 97 hp	82 kW / 110 hp	82 kW / 110 hp
according to ISO 14396				
Maximum torque	400 Nm @ 1400 1/min	453 Nm @ 1400 1/min	516 Nm @ 1400 1/min	516 Nm @ 1400 1/min
according to EC/97/68				
<b>Transmission</b>				
<b>Powershuttle</b>				
Forward speeds	6-10-21-40 Km/h	6-10-21-40 Km/h	-	-
Reverse speeds	7-12-25-47 Km/h	7-12-25-47 Km/h	-	-
<b>Powershift</b>				
Forward speeds	-	-	6 - 10 - 22 - 39 Km/h	6 - 10 - 22 - 39 Km/h
Reverse speeds	-	-	7 - 12 - 26 Km/h	7 - 12 - 26 Km/h
<b>Hydraulics</b>				
Type of pump	Twin Gear Pump -2 bodies	Variable Displacement	Variable Displacement	Variable Displacement
Maximum flow	151 l/min @ 2200 1/min	6 to 156 l/min @ 2200 1/min	6 to 156 l/min @ 2200 1/min	6 to 156 l/min @ 2200 1/min
Maximum pressure level	205+- 3 bars	205 bars	205 bars	205 bars
<b>Battery</b>				
	12 Volts / 12V 95Ah, 900A (SAE) / 120 A			
<b>Operating weight</b>				
In sideshift version, with the standard tooth loader bucket, 610 mm rear bucket, full fuel tank and 75 kg operator				
4 WD, standard dipper/Ext.	7950 Kg	7950 Kg	8020 Kg	8740 Kg
4 WD, extendible dipper/Ext.	8050 Kg	8050 Kg	8120 Kg	8840 Kg
<b>Turning radius</b>				
Front tyres 12.5/80-18, wheel not braked, 4WD engaged				
	4300 mm at ext. edge of front tires 5600 mm at bucket corner			
<b>Axles, tyres &amp; brake</b>				
Lockable differential	100%			
4WD oscillating front axle			+/- 11°	
Front tyres				16,9 x 24 R 12 PR ISG GY
Rear tyres				16,9 x 24 R 12 PR ISG GY
Brake		Power Brake with Friction area: 2472 cm <sup>2</sup>		
<b>Capacities</b>				
Fuel tank			145 l	
Cooling system			24 l	
Hydraulic oil	126 l	140 l	140 l	140 l
<b>Gear box oil:</b>				
Synchro shuttle 2WD	18,5 l	14,4 l	14,4 l	14,4 l
Synchro shuttle 4WD	20,8 l	20,8 l	20,8 l	20,8 l
Powershift	-	-	-	-
Front axle 4WD Differential	6,5 l	6,5 l	6,5 l	6,5 l
Final reduction	0,7 l+0,7 l	0,8 l+0,8 l	0,8 l+0,8 l	0,8 l+0,8 l
Rear axle 4WD Total	21,2 l	21,2 l	21,2 l	21,2 l
<b>Emissions</b>				
CO <sub>2</sub> emission g/kWh	773	790	744	744
Nox emission	4,1	4,4	3,6	3,6
HC emission	0,1	0,1	0,1	0,1
CO emission	1,8	1,8	0,9	0,9
PM emission	0,26	0,25	0,13	0,13
NOx + NMHC emission	4,2	4,5	3,7	3,7
<b>Noise</b>				
Internal dB(A)			77	
External dB(A)	10	102	103	103
<b>Vibration levels</b>				
	Upper limbs 2,5 m/s <sup>2</sup> Abdomen 0,5 m/s <sup>2</sup>			

# THE KING OF VERSATILITY

## 6 in 1 and 4-in-1 loader buckets



Even more versatile, all the functions of 4-in-1 bucket, plus the lifting and handling of pallets

Width	Capacity	Weight	Hydraulics	580T	580ST	590T	695ST
2250 mm	1000l	380 Kg	aux. circuit			X	
2400 mm	1200l	300 Kg	aux. circuit				X

4-in-1 bucket can be converted in to 6-in-1 thanks to the pallet fork pack

## Digging buckets



Reinforced buckets for extreme wear resistance in all digging applications

300 mm	96l	130 Kg	none	X	X
400 mm	100l	140 Kg	none	X	X
450 mm	150l	158 Kg	none	X	X
600 mm	220l	187 Kg	none	X	X
760 mm	290l	214 Kg	none	X	X
915 mm	360l	240 Kg	none	X	X
210 mm			none	X	X

## Ditch cleaning buckets



Wide bucket for ditch cleaning and grading operations

1200 mm			none	X	X
1300 mm			none	X	X
1400 mm			none	X	X
1500 mm			none	X	X

## V-type bucket



V-shaped bucket specially designed for digging ditches

1000 mm			none	X	X
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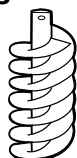
## Hammer CB65B



Hydraulic hammer for breaking of asphalt, concrete, hard or frozen ground. Side plate design specially adapted for backhoe installation

Tool dia.	Weight	Frequency	Hydraulics		
CB65B	310Kg/ 63mm	400-2000b/min	hammer line/ single acting	X	X
CB90S	360Kg/ 80mm	500-1700b/min			

## Augers



A complet range of augers from 150 to 1050mm diamter is available for each application: installation of telegraph poles, electricity pilons, signposts, pilars, tree and shrub planting. For more details consult your dealer

## Snow blade



Specially designed for clearing snow in tough conditions. Hydraulically powered with 30° angle to the right or left - optional wheel kit

2640 mm			aux. circuit	X	X
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Conforms to directive 98/37/CE



**CASE** Customer Assistance  
00800-2273-7373

The call is free from a land line. Check in advance with your Mobile Operator if you will be charged.



Test it at the CASE Customer Centre Paris!