

CASE
CONSTRUCTION

BACKHOE LOADERS

695 Super R - Series 2

50
YEARS
1957-2007



Engine Horsepower	82 kW/110 hp Tier 3
Operating weight (max.)	8800 kg
Bucket capacity	1200 l

P R O F E S S I O N A L P A R T N E R

SPECIFICATIONS

ENGINE

Latest generation engine, meeting European requirements for "Low exhaust emissions" Tier III in accordance with directive 97/68/EC
Make _____ CASE - FAMILY III 445TA/EGH
Type _____ Turbo-charged intercooler
& common rail high pressure injection
Max. power ISO TR 14396 _____ 110 hp [82 kW]
Nominal rating under load _____ 2200 rpm
Maximum torque _____ 516 Nm
Rating at max. torque _____ 1400 rpm
Displacement _____ 4485 cm³
N° of cylinders _____ 4
Bore and stroke _____ 104 x 132 mm
Injection system _____ Common rail/high pressure injection
Oil filter _____ Full flow, screw-type cartridge
Air filter (dry-type) _____ 2 elements
The climate friendly engine conforms to 97/68/CE Tier 3 specifications.

TRANSMISSION

Make _____ Clark
Type _____ POWERSHIFT
Speeds _____ 4 F/2 R
Maximum travel speeds
Fwd. 1st, 2nd, 3rd and 4th _____ 6.2 - 11.8 - 23.4 and 41.4 km/h
Rev. 1st and 2nd _____ 7.5 and 14 km/h
Stall ratio of torque converter _____ 2.31 : 1
Choice of two operational modes, "manual" or "automatic", of the "PowerShift" box by simply pressing a button on the front dashboard. The forward/reverse shuttle lever is ergonomically located on the left under the steering wheel. Smooth gear changes on the move provide better operator comfort, improved transmission service life and faster cycles. The transmission control lever integrates the display of the selected speed and an outstanding electronic autodiagnostic system which dramatically reduces maintenance time.

ELECTRICAL

Voltage _____ 12 V
Battery _____ 1 x 12 V x 95 Amp./h
Alternator _____ 90 Amperes

HYDRAULICS

Type of pump _____ Gear pump
Number of bodies _____ 2
Max. flow _____ 160 l/mn
Main relief setting max. _____ 210 bar
Filtration _____ 10 micron

The hydraulic circuit combines the simplicity and sturdiness of a twin gear pump with the ease of utilisation of a "load sensing" circuit with flow compensation.

Work can be carried out in the most severe conditions and all of the hydraulic functions can be combined regardless of the load, without the operator needing to have any special aptitude or dexterity.

On the "Pilot version" an optional additional valve, which features a proportional control, is now available for special attachments (e.g. Auger).

BRAKES

Multi-disc, oil-immersed service brakes on the rear wheels, together with automatic engagement of the front wheel drive, ensure optimum safety in all travel conditions.

STEERING

Assured manoeuvrability for any type of jobsite or for travelling on the road. The switch for the steering mode offers three positions, indicated by illuminated warning lights.

The "highway" position - The "4-wheel steer" position - The "crab" steer position

MINIMUM TURNING RADIUS

At corner of 4 x 1 bucket _____ 5.32 m
At outside of the front tyre _____ 4.52 m

AXLES

OSCILLATING FRONT AXLE

Make _____ Carraro
Type _____ 26.28
Oscillation _____ 16 °
Engagement of front axle drive _____ Electric
Steering angle _____ 22°/22°

FIXED REAR AXLE

Make _____ Carraro
Type _____ 26.32 M
Steering angle _____ 22°/22°

TYRES

Standard for general use _____ 16.9 x 24 R4 12 PR ISG GY
Optional for industrial use on hard ground _____ 440/80 R28
IT530 GY

Optional for high grip _____ 440/80 R28 IT520 GY

With 4 large, equal diameter wheels, 4-wheel-drive is continuously available. The choice of tyres covers the widest range of ground conditions, and all of the traction is fully transmitted to the ground, guaranteeing the best performance at each cycle. Very good ground clearance allows obstacles to be driven over without the risk of damaging the transmission.

WEIGHT

Side-shift, with extendible dipper, 610 mm trench bucket, 4x1 loader bucket with fork, 80 kg operator
and full fuel tank _____ 8800 kg

CAPACITIES

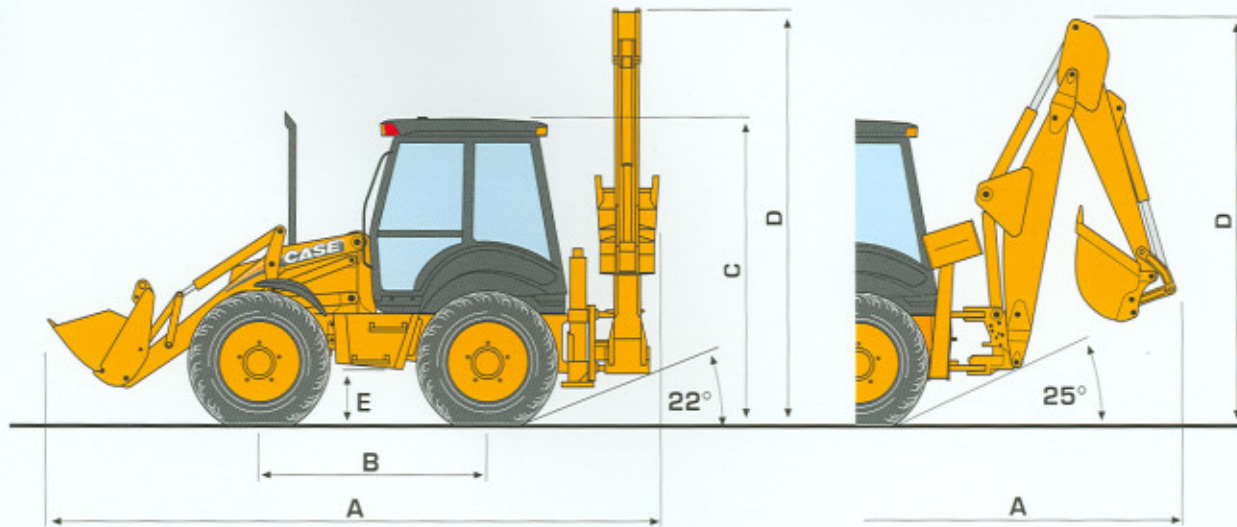
Fuel tank _____ 135 l
Hydraulic tank _____ 70 l
Total hydraulic circuit _____ 118 l
Engine oil _____ 13 l
Fuel tank _____ 24 l
Transmission _____ 18 l
Front axle _____ 10 l
Rear axle _____ 10 l

NOISE

Internal (LpA) _____ 77dB(A)
External (LwA) _____ 103 dB(A)

695 Super

GENERAL DIMENSIONS



DIMENSIONS

SIDE-SHIFT

A	Overall length	m	5.75
B	Wheelbase	m	2.20
C	Height of cab	m	2.90
D	Height of boom in transport position	m	3.95
E	Ground clearance	m	0.45
	Overall width	m	2.40

BUCKETS

LOADER BUCKETS		Earthmoving	4x1	4x1 with forks
Capacity	l	1200	1200	1200
Weight	kg	435	830	990
Width	m	2.40	2.40	2.40

BACKHOE BUCKETS								
Width	mm	279	305	406	457	610	762	914
Capacity	l	73	80	100	120	180	240	310
Weight	kg	88	140	160	165	195	225	260

R Series 2

695 Super R Series 2

STANDARD EQUIPMENT & OPTIONS

STANDARD EQUIPMENT

Design concept

- 4 Equal wheels
- 4 Wheel Drive
- 4 Wheel Steer
- Powershift transmission
- 3 steering modes (2ws 4ws Crab)
- 1200 l loader bucket capacity

Main mechanical concepts

- Common rail Tier 3, 4.5 liter Case engine under tilting hood
- Flow sharing / load sensing hydraulics
- Centrifugal air pre-cleaner
- Switch actuated differential lock

Backhoe

- ISO pattern layout of backhoe controls
- Rigid and light box type boom with inline cylinders
- Mechanical quick coupler on backhoe
- Wear pads on stabilisers
- Hydraulic switch actuated transport lock

Loader

- Single lever loader control
- Loader automatic return to dig
- Loader float position
- Reinforced loader structure
- Mechanical self levelling on loader
- Construction or agricultural tyres in different sizes

Cab

- 4 fully tilting and click-on one another side windows
- Rear window fully tilting over operator's head
- Cloth suspension seat
- Heating and efficient defrosting
- Sun visor
- Working lights on top of cab (2 front/2 rear)
- Steering wheel spinner knob
- Reversing audible alarm
- Radio pre wiring

Safety

- Safety belt
- Safety decals
- Safety battery isolation switch

- Noise insulation meeting European CE regulations
- Tyre valve protections
- Safety strut on loader

OPTIONS

Backhoe

- Pilot controls of backhoe and stabilisers
- Two way auxiliary hydraulic circuit with pilot controls
- Extendible dipper with wear pads
- Rubber pads on stabilisers
- Hammer Circuit
- Safety valves on boom and dipper
- Safety valves on stabilisers
- Safety valve on 4x1 6x1 loader bucket
- SAE pattern
- Standard or Heavy Duty buckets

Loader

- Choice of 1200 l buckets (std, 4x1, 6x1) with blade or teeth
- Choice of tyres (construction or agricultural pattern) and choice of sizes
- Limited slip differential
- Ride Control (amortisation of load in travel)
- Safety valves on loader
- Forks kit on 4x1

Cab

- Air conditioning
- Deluxe spring suspension seat with belt and elbow rests
- Tiltable steering column

Other

- Front wheel fenders
- Double batteries with cold start
- Muffler with spark arrestor
- Check valves on stabilisers
- Anti theft device
- Front counterweight
- Load chart decal
- Potting beacon (roof mount)
- Basic tool kit

Standard and optional equipment shown can vary by country.

Worldwide Case Construction Equipment Contact Information

EUROPE/AFRICA/MIDDLE EAST:
Centre D'affaires EGB
5, Avenue Georges Bataille - BP 40401
60671 Le Plessis-Belleville - FRANCE

NORTH AMERICA/MEXICO:
700 State Street
Racine, WI 53404 U.S.A.

LATIN AMERICA:
Av. General David Samoff 2237
32210 - 900 Contagem - MG
Belo Horizonte BRAZIL

ASIA PACIFIC:
Unit 1 - 1 Foundation Place - Prospect
New South Wales - 2148 AUSTRALIA

CHINA:
No. 29, Industrial Premises, No. 376,
De Bao Road, Waigaoqiao Ftz, Pudong,
SHANGHAI, 200131, P.R.C.

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 reserves the right to modify machine specifications without incurring any obligation relating to such changes.

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CASE
CONSTRUCTION

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Conforms to directive 98/37/CE