



Specifications

Engine

Conform to 97/68/CE Tier 3 standards for reduced pollution - 4 cylinders Turbocharged 4,5 liter
 Injection system _____ Direct Mechanical
 Make _____ CNH 445TA/ML5
 Power (according to ISO 14396) _____ 72 kW / 97 hp
 Maximum torque (according to EC/97/68) ___ 400 Nm @ 1400 1/min

Transmission

Powershuttle
 Forward speeds _____ 6-10-21-40 Km/h
 Reverse speeds _____ 7-12-25-47 Km/h

Hydraulics

Type of pump and flow ___ Variable Displ. 6 to 165 l/min @ 2200 rpm
 Twin Gear Pump, 151 l/min @ 2200 rpm
 Maximum pressure level _____ 205 bars

Battery

12 Volts / 12V 95Ah, 900A (SAE) / 120 A

Operating weight

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
 4 WD, extendible dipper/Ext _____ 8050 Kg

Turning radius

Front tires 12.5/80-18, wheel not braked, 4WD engaged _ 4300 mm at ext. edge of front tires / 5600 mm at bucket corner

Axles, tires & brake

Brake _____ Power braking: brake with friction area of 2,472 cm²

Tires _____ Tires must be multi-purpose, or Industrial for hard terrain, or Agricultural for loose terrain
 Front tires _ 18" front with 26" or 28" rear or 20" front with 30" rear
 Front axle: oscillation of +/- 11° _____ differential lock

Capacities

Fuel tank _____ 145 l
 Cooling system _____ 24 l
 Hydraulic oil _____ 126 l
 Gear box oil: Power Shuttle 4 WD _____ 20.8 l
PowerShift:
 Front axle 4WD Differential _____ 6,5 l
 Output stage _____ 0,7 l +0,7 l
 Rear axle 4WD Total _____ 21,2 l

Emissions (g/kWh)

CO₂ emission _____ 773
 NO_x emission _____ 4.1
 HC emission _____ 0.1
 CO emission _____ 1,8
 PM emission _____ 0,26
 NO_x + HCNM emission _____ 4,2

Noise

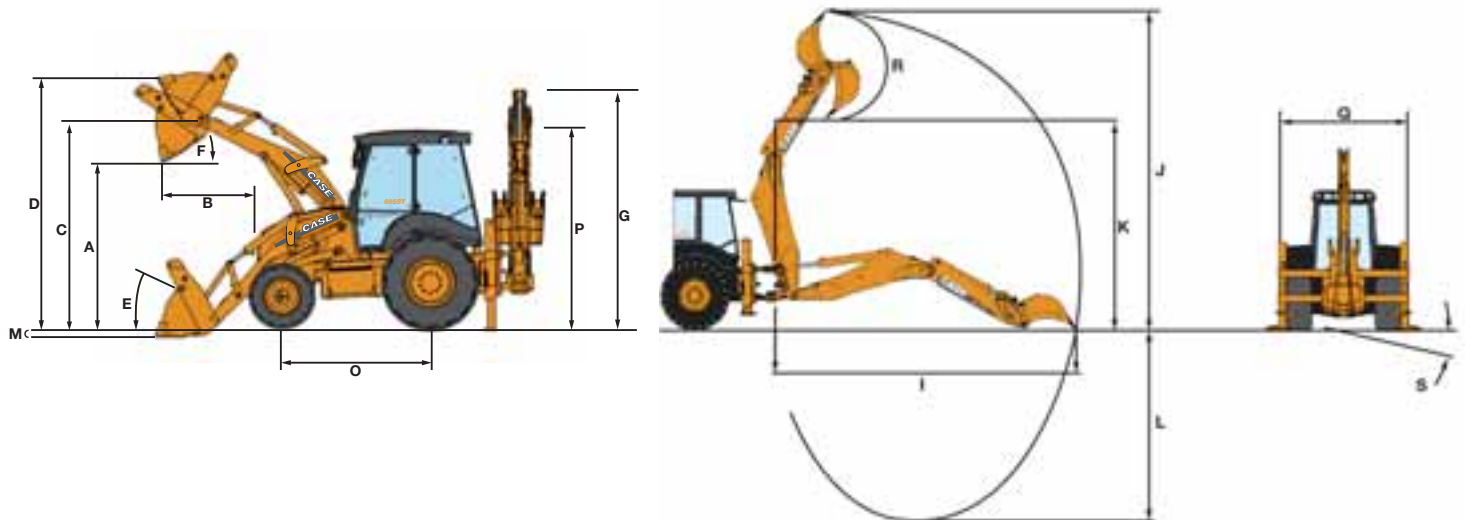
Internal dB(A) _____ 77
 External dB(A) _____ 102

Vibration levels

Upper limbs 2.5 m/s²
 Abdomen 0.5 m/s²

T-SERIES BACKHOE LOADERS 580T

General dimensions



LOADER	Bucket	Straight	Tool carrier
A	Maximum dump height under bucket at 45°	2780 mm	2685 mm
B	Maximum reach with bucket at 45°	785 mm	830 mm
C	Maximum height pin	3500 mm	3460 mm
D	Maximum bucket height	4405 mm	4250 mm
M	Horizontal bucket digging depth	75 mm	120 mm
E	Bucket angle (on ground)	43°	43°
F	Bucket angle (in the transport position)	46°	46°
	Lift capacity (at bucket load centre of gravity)	4970 kg	4830 kg
	Maximum height lifting capacity	3550 kg	3450 kg
	Lift force (boom cylinders)	3625 daN	4050 daN
	Breakout force (bucket cylinders)	6340 daN	6545 daN

BACKHOE	Bucket	Extended	Std/Retracted
	Swinging angle	180°	180°
L	Maximum digging depth	5435 mm	4369 mm
I	Maximum reach from swing centre	6238 mm	5229 mm
	Maximum reach at rear axle	7563 mm	6554 mm
J	Maximum operating height	6789 mm	5875 mm
K	Load height	4834 mm	3923 mm
	Central offset	0.62 m	0.62 m
	Lift capacity at max outreach	1049 kg	1393/1296 kg
	Breakout force (bucket)	5323 daN	5323 daN
	Breakout force (dipperstick)	2441 daN	3352 daN
R	Bucket rotation	200°/195° hyd. QC	200°/195° hyd. QC

DIMENSIONS		
G	Boom height (transport position)	3455 mm
	Overall length with standard bucket	5560 mm
O	Wheelbase	2175 mm
P	Cab height	2950 mm
	Overall width with standard bucket	2430 mm
	Width outside tires	2230 mm
S	Stabilizer leveling compensation angle	14°



Conforms to directive 2006/42/EC

