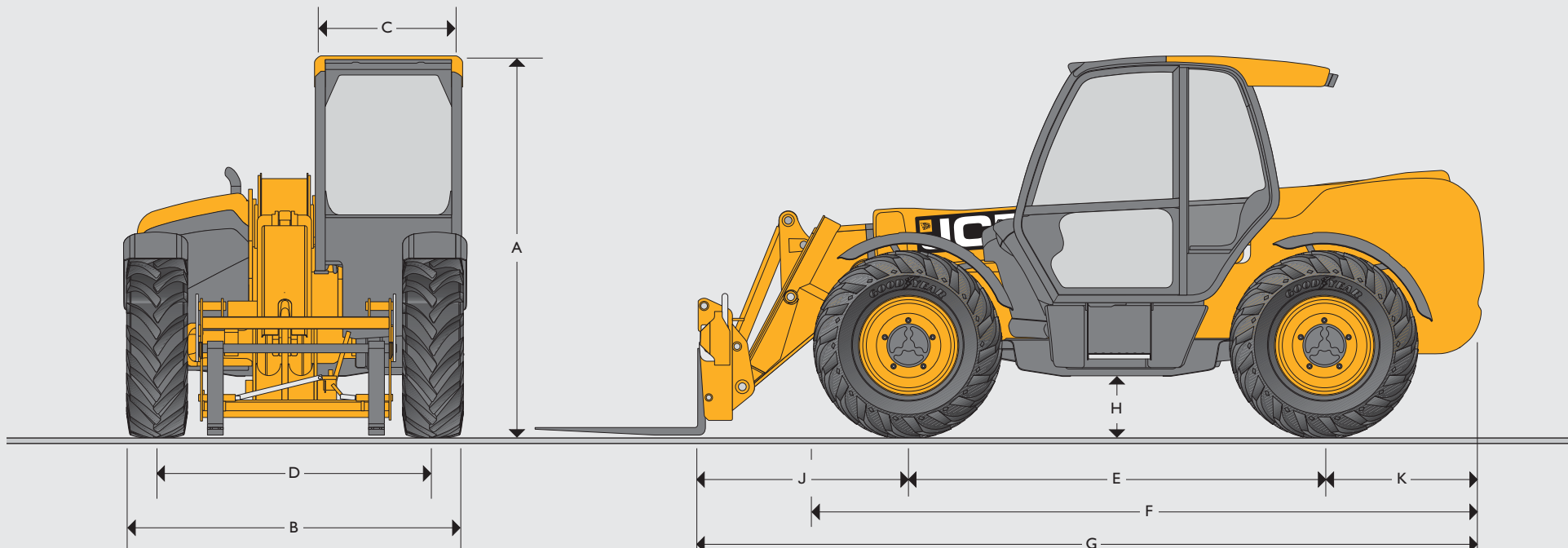


STATIC DIMENSIONS



STATIC DIMENSIONS

Machine model		506-23 TC	509-23 TC	512-26 TC	509-45TC	510-44 TC	510-55 TC	508-66 TC
A	Overall height	ft-in (m)	8-2 (2.49)	8-2 (2.49)	8-6 (2.59)	8-6 (2.59)	8-10 (2.69)	8-11 (2.72)
B	Overall width (over tires)*	ft-in (m)	7-4 (2.23)	7-4 (2.23)	8-4 (2.54)	7-8 (2.35)	8-0 (2.44)	8-0 (2.44)
C	Inside width of cab	ft-in (m)	3-1 (0.94)	3-1 (0.94)	3-1 (940)	3-1 (940)	3-1 (0.94)	3-1 (940)
D	Front track	ft-in (m)	5-11 (1.81)	5-11 (1.81)	6-6 (1.98)	6-2 (1.90)	6-3 (1.9)	6-5 (1.97)
E	Wheelbase	ft-in (m)	9-0 (2.75)	9-0 (2.75)	9-0 (2.75)	9-0 (2.75)	9-0 (2.75)	9-0 (2.75)
F	Overall length to front tires	ft-in (m)	14-4 (4.38)	14-4 (4.38)	14-6 (4.42)	15-6 (4.74)	17-0 (5.18)	16-8 (5.09)
G	Overall length to front carriage	ft-in (m)	16-4 (4.99)	16-4 (4.99)	17-3 (5.27)	20-5 (6.23)	20-6 (6.25)	22-4 (6.81)
H	Ground clearance	ft-in (m)	1-4 (0.4)	1-4 (0.4)	1-3 (400)	1-3 (400)	1-4 (0.4)	1-4 (410)
J	Front wheel center to carriage	ft-in (m)	4-1 (1.25)	4-1 (1.25)	-	6-11 (2.11)	5-4 (1.65)	6-3 (1.94)
K	Rear wheel center to rear face	ft-in (m)	3-2 (0.99)	3-2 (0.99)	-	4-5 (1.37)	5-5 (1.7)	5-4 (1.67)
	Overall width with stabilizers fully deployed	ft-in (m)	N/A	N/A	NA	8-5 (2.57)	11-6 (3.55)	12-6 (3.82)
	Outside turn radius (over tires)	ft-in (m)	12-2 (3.7)	12-2 (3.7)	13-5 (4.10)	12-3(3.75)	13-5 (4.1)	13-5 (4.1)
	Carriage rollback angle	degrees	42.6	42.6	47	37	41.5	39
	Carriage dump angle	degrees	37.5	33.0	33.0	12.5	9.8	8.8
	Weight	lb (kg)	15560 (7060)	17306 (7850)	24340 (11040)	23986 (10880)	24449 (11090)	27494 (12470)
	Tires		15.5/80-24	15.5/80-24	480/80 R26	15.5/80-24	15.5-25	17.5-25 16 PR

* Dependent upon tire specified

LIFT PERFORMANCE

		506-23 TC	509-23 TC	512-26 TC	509-45 TC Stabilizers retracted	509-45 TC HiViz Stabilizers extended
Maximum lift capacity	lb (kg)	6000 (2722)	9000 (4090)	12000 (6000)	8800 (4000)	8800 (4000)
Lift capacity to full height	lb (kg)	6000 (2722)	5250 (2382)	6600 (3000)	3300 (1500)	6600 (3000)
Lift capacity at full reach	lb (kg)	3000 (1250)	3500 (1543)	3800 (1750)	440 (200)	2750 (1250)
Lift height	ft-in (m)	23-0 (7)	23-0 (7)	26-6 (7.9)	45-2 (13780)	45-2 (13780)
Reach at maximum lift height	ft-in (m)	2-0 (0.61)	2-0 (0.61)	3-0 (0.92)	10-1 (3090)	10-1 (3090)
Maximum forward reach	ft-in (m)	12-2 (3.7)	12-2 (3.7)	14-8 (4.47)	31-9 (9700)	31-9 (9700)
Reach with 1 ton load	ft-in (m)	12-2 (3.7)	12-2 (3.7)	-	-	-
Placing height	ft-in (m)	20-6 (6.3)	20-6 (6.3)	-	-	-

LIFT PERFORMANCE

		510-44 TC Stabilizers retracted	510-44 TC Stabilizers extended	510-55 TC Stabilizers retracted	510-55 TC Stabilizers extended	508-66 TC Stabilizers retracted	508-66 TC Stabilizers extended
Maximum lift capacity	lb (kg)	10000 (4535)	10000 (4535)	10000 (4535)	10000 (4535)	8800 (4000)	8800 (4000)
Lift capacity to full height	lb (kg)	6000 (2721)	10000 (4535)	3000 (1361)	5000 (2269)	1100 (500)	3300 (1500)
Lift capacity at full reach	lb (kg)	1250 (567)	2500 (1133)	0 (0)	1000 (453)	0 (0)	440 (200)
Lift height	ft-in (m)	44-3 (13.5)	44-3 (13.5)	42-10 (13.06)	54-9 (16.7)	65-7 (20)	65-7 (20)
Reach at maximum lift height	ft-in (m)	5-6 (1.71)	5-6 (1.71)	7-0 (2.13)	6-8 (2.03)	21-0 (6.4)	21-0 (6.4)
Maximum forward reach	ft-in (m)	30-8 (9.39)	30-8 (9.39)	30-0 (9.14)	41-5 (12.6)	52-1 (15.9)	52-1 (15.9)
Reach with 1 ton load	ft-in (m)	20-5 (6.25)	30-3 (9.25)	18-8 (5.76)	34-4 (10.5)	-	-
Placing height	ft-in (m)	40-1 (12.25)	43-4 (13.25)	35-9 (10.9)	53-2 (16.2)	-	-

ENGINE – JCB EcoMAX

Latest technology and advanced design provides low fuel consumption, reduced noise, high torque and power output, total reliability and minimal maintenance.

Two-stage, dry type air filter with primary and safety elements. EPA Stage IV / Tier 4 emissions compliant.

ENGINE

Machine model	506-23 TC/508-66 TC	506-23S TC/509-23S TC/509-45 TC/ 510-44 TC/510-55 TC	512-26 TC
Emissions level	Stage IV / Tier 4	Stage IV / Tier 4	Stage IV/Tier 4
Manufacturer	JCB	JCB	JCB
Displacement liters	4.4	4.4	4.4
No. of cylinders	4	4	4
Bore size in (mm)	4.05 (103)	4.05 (103)	4.05 (103)
Stroke in (mm)	5.0 (132)	5.0 (132)	5.0 (132)
Aspiration	Turbocharged cooled	Turbocharged cooled & Intercooler	Turbocharged cooled
Power rating	r		
Power @ 2200rpm hp (kW)	74 (55)	109 (81)	125 (93)
Torque rating	r		
Torque @ 1300rpm Nm	400	516	550
After treatment	N/A	SCR & DEF	SCR & DEF

HYDRAULIC CYCLE TIMES

	506-23 TC	509-23 TC	509-45 TC	512-26 TC	510-44 TC	510-55 TC	508-66 TC
Lift seconds	7.2	8.8	13.5	7.4	15.1	22.7	17.3
Lower seconds	5.4	6.5	11	8.3	15.2	23.4	15.9
Extend seconds	6.8	6.8	15.6	8.3	19.5	18.3	28.1
Retract seconds	5	5	14.4	2.8	19.5	16.7	22.7
Bucket dump seconds	3.5	3.5	1.7	2.8	3.2	4.2	6.1
Bucket crowd seconds	2.9	2.9	2	3	2.5	4.6	5.9

HYDRAULICS

	Hydraulic system pressure PSI (bar)	Max. pump flow gal/min (l/min)
506-23 TC	3500 (241)	21.6 (82)
509-23 TC	3770 (260)	23.2 (88)
512-26 TC	3770 (260)	37 (140)
509-45 TC	3770 (260)	29 (110)
510-44 TC	3500 (241)	29 (110)
510-55 TC	3770 (260)	43 (162)
508-66 TC	3770 (260)	29 (110)

SERVICE CAPACITIES

Machine model	506-23 TC/509-45 TC/ 512-26 TC	509-45 TC	510-44 TC	510-55 TC	508-66 TC
Coolant gallon (liters)	6 (23)	7 (28)	6 (23)	6 (23)	7 (28)
Engine oil sump gallon (liters)	3.6 (14)	4 (15)	3.6 (14)	3.6 (14)	4 (15)
Hydraulic oil gallon (liters)	29 (113)	35 (131)	35 (131)	40 (150)	48 (180)
Fuel tank gallon (liters)	38.5 (146)	38.5 (146)	38.5 (146)	38.5 (146)	38.5 (146)
DEF tank (model dependent) gallon (liters)	5.4 (20.8)	3 (13)	5.4 (20.8)	5.4 (20.8)	3 (13)

TRANSMISSION

Torque converter, 4 speed powershift gearbox.

Travel speed 512-26 TC: 12mph

Travel speed 506-23 TC / 509-23 TC: 18mph, 20mph (when 2/4WD select is specified).

Travel speed 509-45 TC / 510-44 TC / 510-55 TC / 508-66 TC: 18mph.

BRAKES

Service brakes: Hydraulically activated, self-adjusting, oil-immersed in-board high back-off multi-disc type on front axle.

Parking brake: Hand-operated disc brake on output of gearbox 74hp/55kW: Hand-operated disc brake on output of gearbox, 109hp (81kW) / 125hp (93kW): Oil immersed disc type.

BOOM & CARRIAGE

Boom is manufactured from high tensile steel. JCB self-levelling carriage and pallet forks and a wide range of attachments.

STEERING

Hydrostatic power steering with power track rods on both axles.

SAFETY CHECK VALVES

Fitted to carriage tilt, telescopic and boom lift cylinders.

DELUXE CAB

Quiet, safe and comfortable cab conforms to ROPS ISO 3471 and FOPS ISO 3449. Tinted glass all-around. Laminated roof screen. Roof bars, front, rear and roof screen wiper/washer and heater/screen defroster. Opening rear window. Audio-visual warning system for coolant temperature, engine oil pressure, air cleaner, battery charge, transmission oil, water in fuel temperature and pressure. Hour meter and road speed indicator. Engine temperature and fuel gauge. Full road lighting. Reversing light. Direction indicators. Adjustable steer column with stalk bar powershift change and forward reverse shuttle. Throttle and brake pedal. Adjustable suspension seat with adjacent mechanically activated park brake. Includes leveling inclinometer.

Safety canopy as above but with side glass and roof glass only (screen wiper and heater/screen defroster not applicable).

Options: Front and rear working lights, rotating flashing beacon, fire extinguisher, radial industrial tires, electrical 2/4WD select, windscreen and roof guard, radio kit, air conditioning, front wash/wipe.

Attachments: carriage options available – contact your local dealer.





ONE COMPANY, OVER 300 MACHINES.

CONSTRUCTION LOADALLS: TOOL CARRIER RANGE

506-23 TC / 509-23 TC / 512-26 TC / 509-45 TC / 510-44 TC / 510-55 TC / 508-66 TC
 Gross power: 74hp / 55kW – 125hp / 93kW Lift capacity: 6,000 – 12,000 lbs Lift height: 23' – 66'

JCB North American – Headquarters

Savannah, 2000 Bamford Blvd., Savannah, Georgia, 31322 Tel: (912) 447-2000

Download the very latest information on this product range at www.jcbna.com

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