

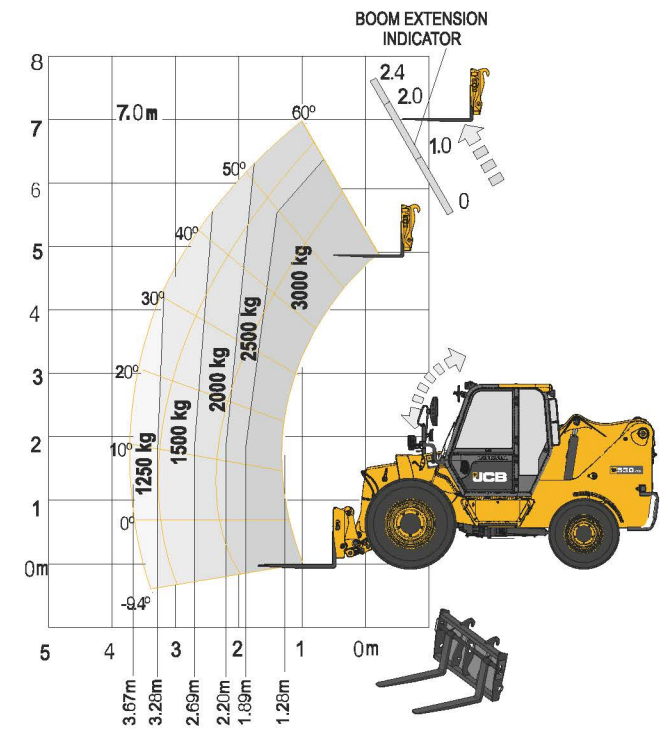
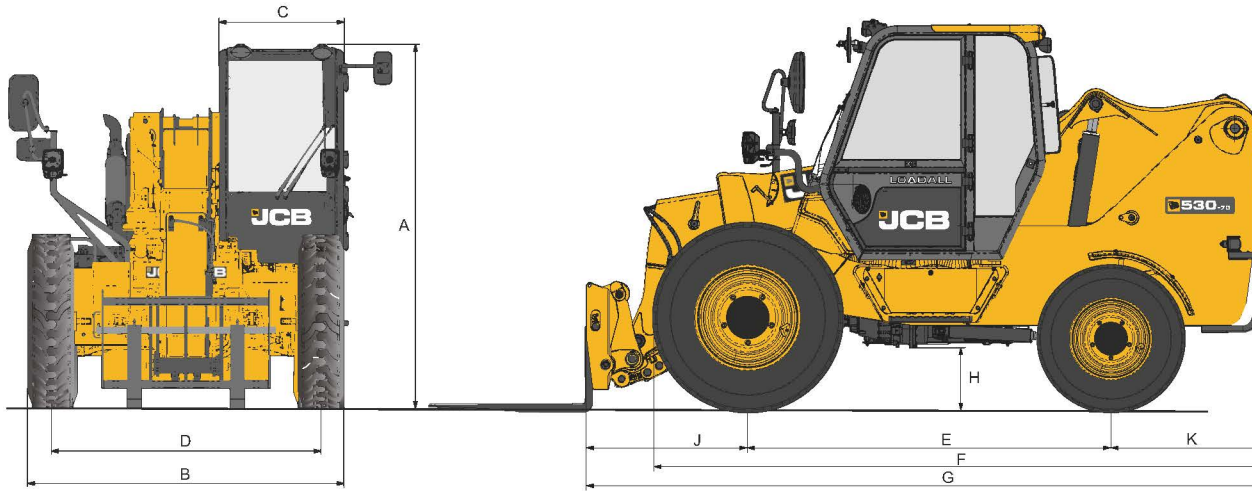


# JCB LOADALL 530-70 | SPECIFICATION

Operating Weight : 7260 kg

Max. Payload : 3 tonnes

Max. Lift Height : 7 metres



## STATIC DIMENSIONS

Parameters	Dimension - m (ft-in)	Parameters	Dimension - m (ft-in)
A Overall height	2.67 (8-9)	H Ground clearance	0.40 (1-4)
B Overall width (over tyres)	2.32 (7-7)	J Front wheel centre to carriage	1.10 (3-7)
C Inside width of cab	0.79 (2-7)	K Rear wheel centre to rear face	1.07 (3-6)
D Front Track Width	1.98 (6-6)	Operating weight (with GP bucket)	7260 kg
E Wheelbase	2.49 (8-2)	Outside turn radius (over tyres)	4.85 (15-11)
F Overall length to front tyres	4.19 (13-9)	Bucket roll back angle (at full height)	37 deg.
G Overall length to front carriage	4.66 (15-3)	Bucket dump angle (at full height)	44 deg.

## PERFORMANCE DIMENSIONS

Parameters	Dimension - m (ft-in)
Max lift capacity	3000 kg
Lift capacity to full height	2500 kg
Lift capacity to full reach	1250 kg
Lift height	7 m
Reach at max lift height	1.0 m
Maximum placing height	6.3 (20-8)
Maximum dump height	5.8 (19-0)

\* All dimensions, weights and timings are variable within 1.5% JCB reserves the right to change specifications without prior notice.

\* Above load chart is with fork. Chart subject to vary with different attachments.





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## ENGINE

JCB 448, naturally aspirated 4 cylinder, water cooled diesel engine.

Displacement: 4.8 L

Gross Power: 56 kW (76 hp) @ 2200 rpm

Max Torque: 310 Nm (31.6 kgm) @ 1100 rpm

## TRANSMISSION

JCB 4WD synchroshuttle transmission. 4-speed fully synchromesh gearbox with integral torque convertor and electrically operated forward - reverse shuttle.

- Easy to use, column mounted electric switch allows operator to change machine direction while in motion without taking his hands off the steering wheel. This leads to safe and efficient operation and cycle times.
- The Pedal layout and conventional 4-pattern gear lever with transmission switch adds to the overall ease of operation.
- Torque converter stall ratio 3.01:1
- 4WD can be selected at any time on the move with a simple electric switch

## AXLES

### Front Axle:

JCB Drive axle rigidly mounted incorporates JCB Max-

Track torque proportioning differential, driven by prop shaft from gear box.

### Rear Axle:

4WD Steer Drive Axle centrally pivoted with oscillation angle of 16deg, driven by prop shaft from gear box.

## BRAKES

**Service:** Hydraulically actuated, dual line, self adjusting, compensated oil immersed, multi-disc type on the front axle, operated through independent pedals, linked together for normal use. Two independently operating foot pedals enable machine to manoeuvre in tight spaces.

**Parking:** Hand operated cable actuated disc brake mounted on front axle input disc.

## STEERING

Rear wheel hydrostatic power steering with manual capability in the event of engine or hydraulic power failure.

- Max. Steering Angle:  $\pm 48$  deg.

## ELECTRICALS

- 130 Ampere-hour, 12 Volts battery system with alternator and full road lighting.
- Dust and water proof IP69 electrical connectors.

## TYRES

Front : 13.00 x 24 - 16PR

Rear : 12.5 x 18 - 12PR

Industrial Traction Pattern Tyres

## SPEED

Maximum road speed : 30 km/hr

## SERVICE CAPACITIES

Fuel Tank	110 L
Hydraulic Tank	130 L
Engine Coolant	16.5 L
Engine Oil	14.2 L
Transmission	16 L
Front Axle	21 L
Rear Axle	11 L

## OPTIONS & ACCESSORIES

- Livelink
- Cabin Clean Air Kit
- Turbo - Pre Cleaner
- Windscreen & Roof Guard
- Rear Grill Guard
- Spark Arrestor
- Boom & Rear work lights
- Dome Mirror

## CABIN

- Conform to ROPS ISO 3471 & FOPS ISO 3449
- Tinted & laminated cab glass provides excellent all-round visibility & sun protection.
- A fully adjustable seat with seat belt combined with ergonomically positioned controls and soft touch steering wheel maximize operator output.
- Large convex rear view mirror, interior light, front screen wiper, front and rear horn, hazard warning system and tool box.
- Instrumentation panel includes engine speed, engine hours, fuel level, water temperature and 12V socket for mobile charger
- Load Moment Indicator (LMI) and Inclinometer to provide warnings on machine stability.

## HYDRAULICS

Pump	2 Section Gear Pump
Pump Capacity	100 lpm
Main relief valve	245 bar
<b>Hydraulic cycle times</b>	<b>Seconds</b>
Lift	9.0
Lower	6.21
Extend	5.54
Retract	5.84
Bucket dump	2.65
Bucket crowd	2.07

- Filtration through suction strainer and return line 'JCB Filtromatic Filter'
- During Lifting, the circuit automatically adjusts the pump flow to provide more power for lifting operation.

## MATERIAL DENSITY

Material		Loose Density (kg/m <sup>3</sup> )
Sand	Dry	1290
	Damp	1735
	Wet	1870
Gravel	Common	1570
	Sandy	1670
	Wet river	1940
Clay	Dry	1510
	Damp	1570
	Wet	1660
Earth	Top soil	1000
	Dry	1050
	Moist	1275
Coal	Lignite	900
	Bituminous	895
Cottonseed	Dry	561
	Meal	593
Fish	Scrap	721
	Meal	593
Flour	Wheat	593
Glass	Broken	1940
	Window	2569
Grain	Maize	760
	Wheat	800
Rice	Hulled	753
	Rough	577
Salt	Fine	1201
Sugar	Cane	272
	Powder	801
Misc	Slag, solid	2000
	Concrete	1500
	Rubble	1400

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