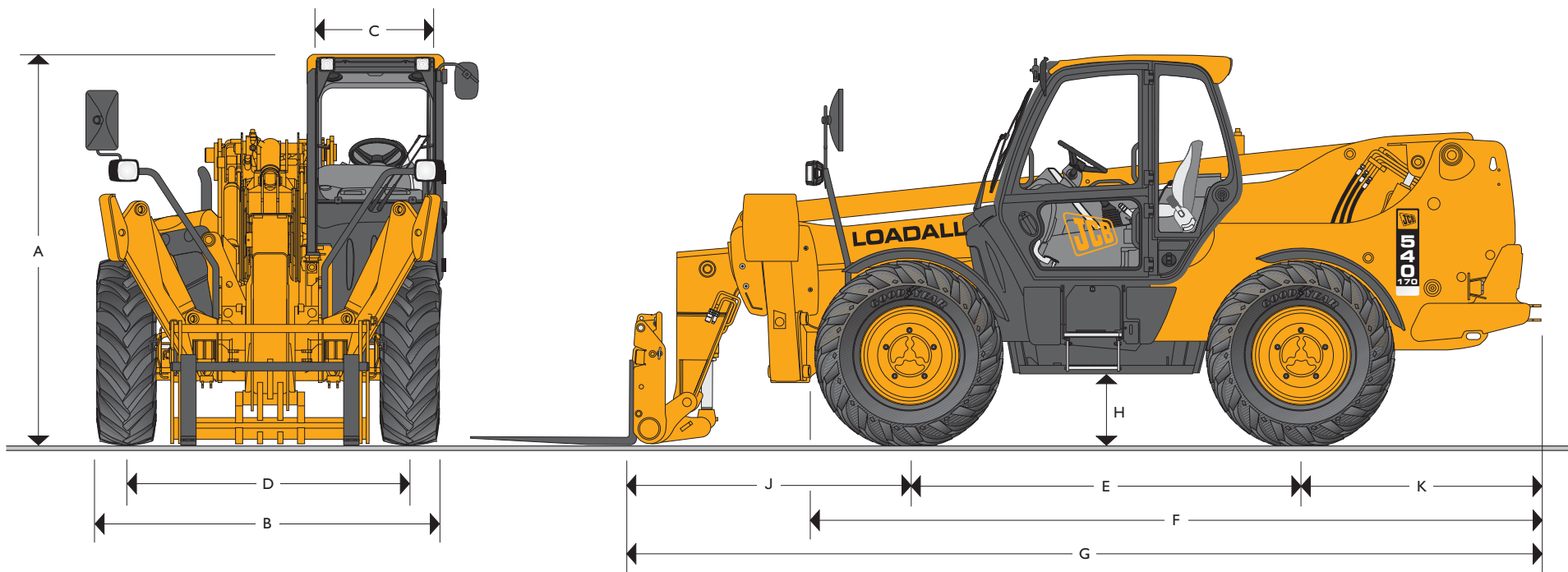




## JCB LOADALL | 540-170



MAX. PAYLOAD: 4.0 tonnes (8820lb)  
MAX. LIFT HEIGHT: 16.7 metres (54ft 9in)



### STATIC DIMENSIONS

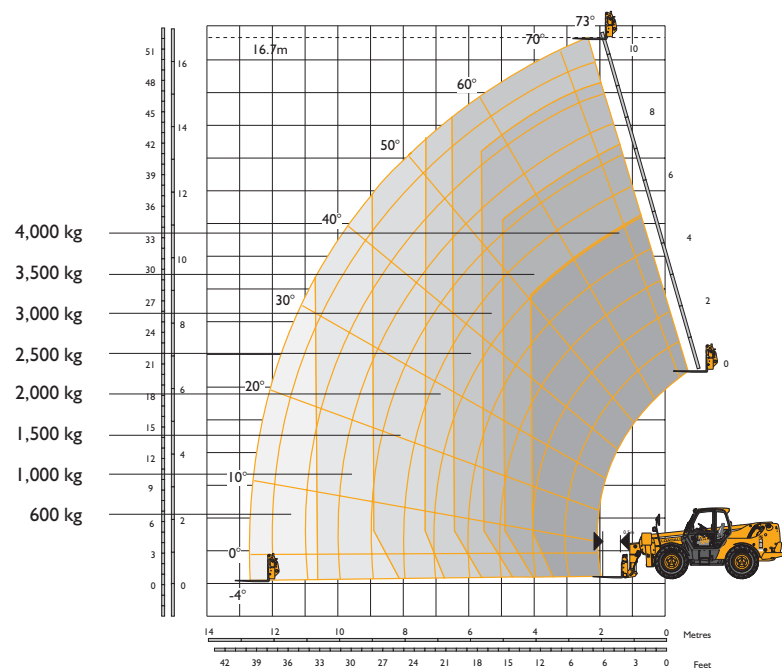
| Machine model                      | 540-170      |
|------------------------------------|--------------|
|                                    | m (ft-in)    |
| A Overall height                   | 2.69 (8-10)  |
| B Overall width (over tyres)*      | 2.44 (8-0)   |
| C Inside width of cab              | 0.94 (3-1)   |
| D Front track                      | 1.90 (6-3)   |
| E Wheelbase                        | 2.75 (9-0)   |
| F Overall length to front tyres    | 5.08 (16-8)  |
| G Overall length to front carriage | 6.36 (20-10) |
| H Ground clearance                 | 0.40 (1-4)   |

| Machine model                                 | 540-170               |
|-----------------------------------------------|-----------------------|
|                                               | m (ft-in)             |
| J Front wheel centre to carriage              | 1.94 (6-4)            |
| K Rear wheel centre to rear face              | 1.67 (5-5)            |
| Overall width with stabilisers fully deployed | 3.51 (11-5)           |
| Outside turn radius (over tyres)              | 4.1 (13-5)            |
| Carriage roll back angle                      | degrees 39            |
| Carriage dump angle                           | degrees 8.8           |
| Weight                                        | kg (lb) 12160 (26810) |
| Tyres                                         | 15.5/80-24            |

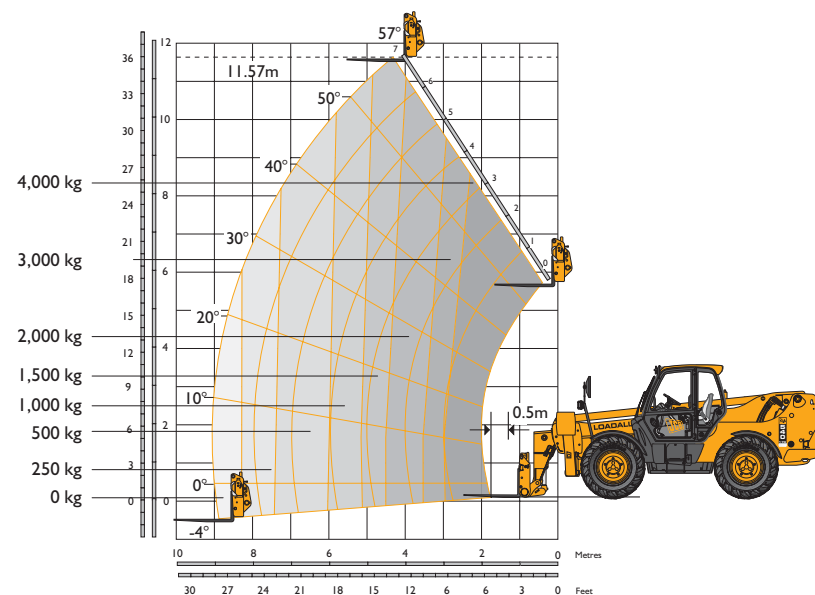
\*Dependant upon tyre specified.



## LIFT PERFORMANCE – STABILISERS EXTENDED



## LIFT PERFORMANCE – STABILISERS RETRACTED



Chassis Levelling (Sway)  
 With stabilisers retracted (Sway angle  $\pm 9^\circ$ )

## LIFT PERFORMANCE – STABILISERS EXTENDED

### With stabilisers extended

|                              |           |              |
|------------------------------|-----------|--------------|
| Maximum lift capacity        | kg (lb)   | 4000 (8820)  |
| Lift capacity to full height | kg (lb)   | 2500 (5510)  |
| Lift capacity at full reach  | kg (lb)   | 600 (1320)   |
| Lift height                  | m (ft-in) | 16.7 (54-9)  |
| Reach at maximum lift height | m (ft-in) | 2.05 (6-9)   |
| Maximum forward reach        | m (ft-in) | 12.50 (41-0) |
| Reach with 1 tonne load      | m (ft-in) | 10.50 (34-5) |
| Placing Height               | m (ft-in) | 16.20 (53-2) |

Complies with stability test EN 1459 Annex B.

## LIFT PERFORMANCE – STABILISERS RETRACTED

### With Stabilisers Retracted

|                                      |           |               |
|--------------------------------------|-----------|---------------|
| Maximum lift capacity                | kg (lb)   | 4000 (8820)   |
| Lift capacity to maximum lift height | kg (lb)   | 1500 (3310)   |
| Lift capacity at full reach          | kg (lb)   | 0 (0)         |
| Maximum lift height                  | m (ft-in) | 11.57 (37-11) |
| Reach at maximum lift height         | m (ft-in) | 4.15 (13-7)   |
| Maximum forward reach                | m (ft-in) | 9.04 (29-8)   |
| Reach with 1 tonne load              | m (ft-in) | 6.00 (19-8)   |
| Placing Height                       | m (ft-in) | 10.90 (35-9)  |

Complies with stability test EN 1459 Annex B.



## JCB LOADALL | 540-170



### ENGINE

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

| Machine Model        |                        | Option     | Option            |
|----------------------|------------------------|------------|-------------------|
| Displacement         | ltr (in <sup>3</sup> ) | 4.4 (269)  | 4.4 (269)         |
| No. of cylinders     |                        | 4          | 4                 |
| Bore size            | mm (in)                | 103 (4.05) | 103 (4.05)        |
| Stroke               | mm (in)                | 132 (5.0)  | 132 (5.0)         |
| Aspiration           |                        | Turbo      | Turbo Intercooled |
| <b>Power rating</b>  |                        |            |                   |
| Power @ 2200rpm      | kW (HP)                | 74.2 (100) | 93 (125)          |
| <b>Torque rating</b> |                        |            |                   |
| Torque @ 1300rpm     | Nm (lbf ft)            | 425 (313)  | 525 (387)         |

### TRANSMISSION

JCB powershift transmission incorporating torque converter, bevel box and a 4 speed powershift gearbox in one resiliently mounted unit.

A combined steering column mounted switch incorporating directional control and 4 forward and 4 reverse powershift gears. Travel speed 25kph (18mph). Optional 33kph transmission.

**Front and rear drive axles:** JCB epicyclic hub reduction drive/steer axles with Max-Trac torque proportioning differentials. Permanent 4 wheel drive.

### BRAKES

**Service brakes:** Servo-assisted-hydraulically activated, self-adjusting, oil-immersed multi-disc type on front and rear axle.

**Parking brake:** Hand operated disc brake on output of gearbox. (93kW/125hp – oil immersed disc type).

### BOOM AND CARRIAGE

Boom is manufactured from high tensile steel.

Low maintenance, hard wearing pads.

JCB Q-fit self-levelling carriage with lever operated pin locking accepts pallet forks and a wide range of attachments.

One boom end auxiliary hydraulic service fitted as standard.

### SAFETY CHECK VALVES

Fitted to carriage tilt, telescopic and boom lift rams.

### SERVICE CAPACITIES

|                |                 |                        |
|----------------|-----------------|------------------------|
| Fuel tank      | litres (UK gal) | 125 (27.5) 148 (32.5)* |
| Hydraulic tank | litres (UK gal) | 150 (33.0)             |
| Coolant        | litres (UK gal) | 23 (5.1)               |

\*93kW (125hp) engine option only.

### HYDRAULICS

Twin gear pump, with suction strainer and filter allows simultaneous operation of raise/lower and extend/retract.

|                                   |           |                |
|-----------------------------------|-----------|----------------|
| Operating system pressure         | bar (psi) | 260 (3770)     |
| Flow at system pressure @ 2200rpm | ltr/min   | 90+72          |
| <b>Hydraulic Cycle Times</b>      |           | <b>Seconds</b> |
| Stabiliser lower                  |           | 6.6            |
| Stabiliser lift                   |           | 4.9            |
| Boom raise and extend             |           | 41.8           |
| Boom lower and retract            |           | 33             |
| Bucket dump                       |           | 4.7            |
| Bucket crowd                      |           | 5.1            |

### ELECTRICS

12 v negative earth. 125 AH battery. 95 amp alternator. Full road lighting. Reversing light. Direction indicators. Hazard warning. Reverse alarm.

### CAB

Quiet safe and comfortable cab conforms to ROPS ISO 3471 and FOPS ISO 3449. Tinted glass all round with laminated roof screen. Roof bars, front, rear and roof screen wash/wipe and heater/screen demister. Opening rear window. Audio-visual warning system for coolant temperature, engine oil pressure, air cleaner, battery charge, transmission oil temperature and pressure, water in fuel. Hourmeter, road speed indicator. Engine temperature and fuel gauge. Servo joystick hydraulic control levers. Adjustable column incorporates stalk powershift change and forward reverse shuttle. Throttle and brake pedal. Adjustable suspension seat with adjacent park brake. Automatic eye level audio-visual load moment indicator warning system receiving a signal from a load sensor on the rear axle. This system continuously monitors the machine's forward stability and leaves the operator in control at all times. Fitted with levelling inclinometer, plus indicator lamps to show when the stabilizers are on firm ground. Safety canopy as above but with side glass and roof glass only (screen wiper and heater/screen demister not applicable).

### STEERING

Hydrostatic power steering.

Three steer mode options: front wheel steer; all wheel steer; crab steer: operated from in the cab by a selection switch.

### OPTIONS AND ACCESSORIES

**Options:** Front and rear working lights, rotating flashing beacon, fire extinguisher, industrial tyres, electrical 2/4WD disconnect, windscreen and roof guard, air suspension seat, deluxe cab trim, no smoking pack, roof and front screen blind, radio kit, air conditioning.

**Attachments:** Contact your local dealer for details of the comprehensive range.