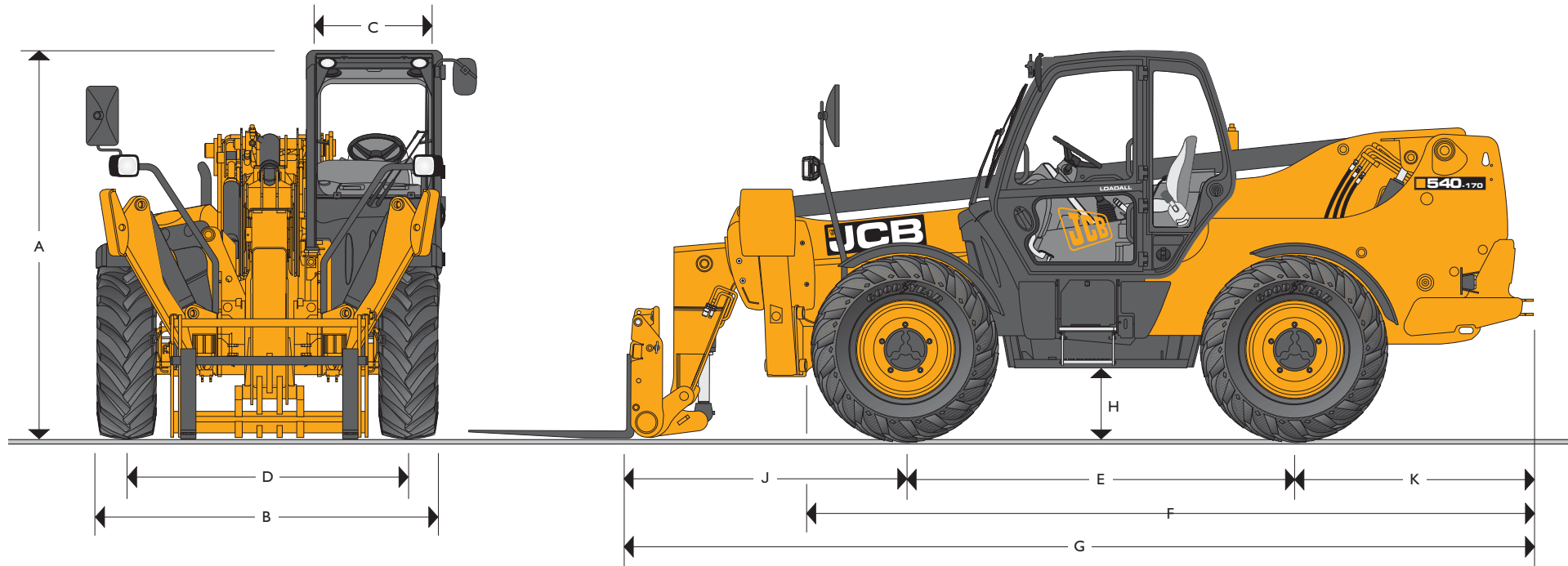




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LOADALL | 540-170

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



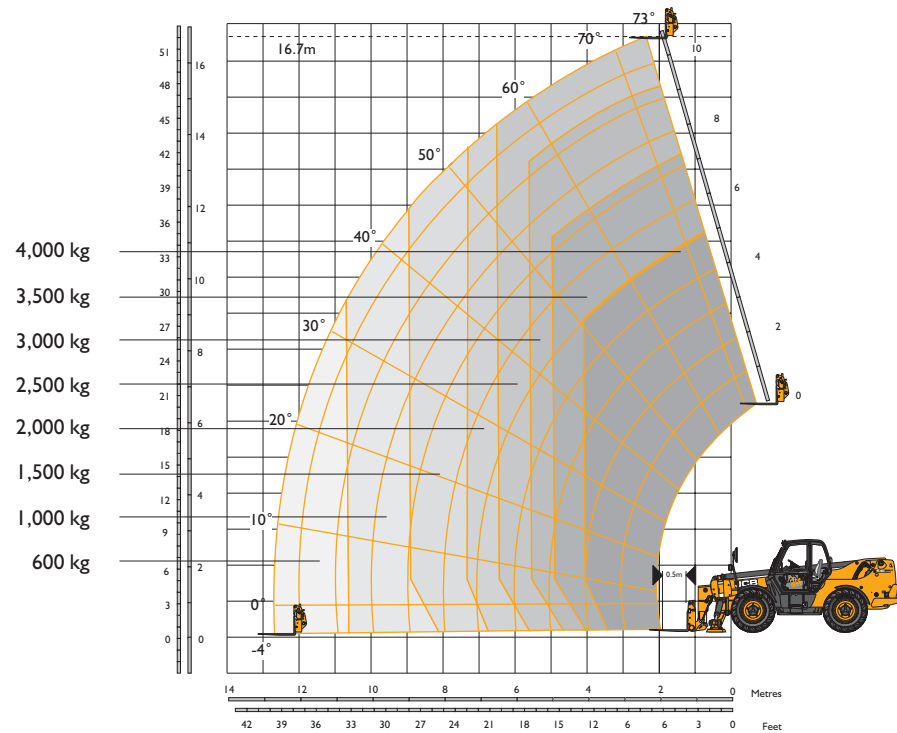
#### STATIC DIMENSIONS

| 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)   |

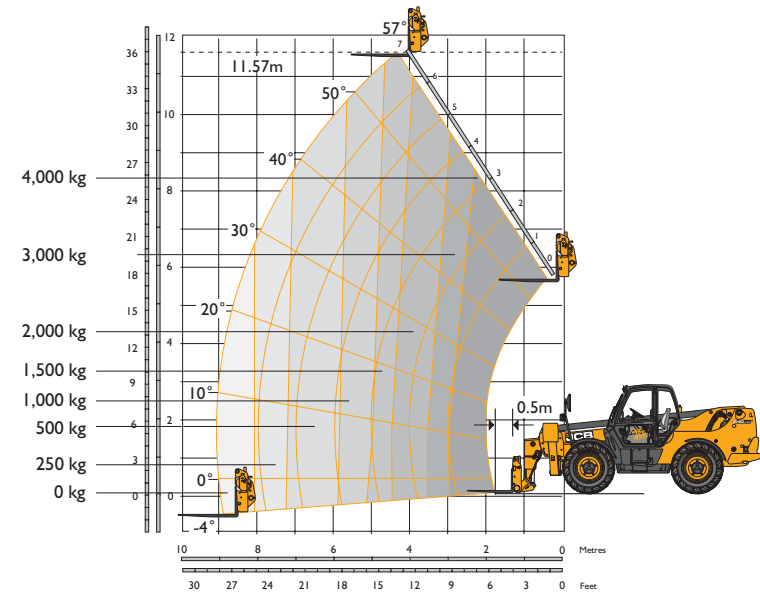
\*Dependant upon tyre specified.

| 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 | 3.55 (11-8)           |
| Outside turn radius (over tyres)              | 4.1 (13-5)            |
| Carriage roll back angle                      | degrees 39            |
| Carriage dump angle                           | degrees 8.8           |
| Weight                                        | kg (lb) 12060 (26586) |
| Tyres                                         | 15.5/80-24            |

### 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) | 5.76 (18-11)  |
| Placing Height                       | m (ft-in) | 10.90 (35-9)  |

Complies with stability test EN 1459 Annex B.



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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. Two-stage, dry type air filter with primary and safety elements. Territory dependent.

|                      |                        | Standard   | Standard            | Standard            | Option              | Option              | Option              |
|----------------------|------------------------|------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Engine standard      |                        | Stage II   | Stage III           | Stage IIIb          | Stage III           | Stage III           | Stage IIIb          |
| Manufacturer         |                        | JCB        | JCB                 | JCB                 | JCB                 | JCB                 | JCB                 |
| Displacement         | ltr (in <sup>3</sup> ) | 4.4 (269)  | 4.4 (269)           | 4.4 (269)           | 4.4 (269)           | 4.4 (269)           | 4.4 (269)           |
| No. of cylinders     |                        | 4          | 4                   | 4                   | 4                   | 4                   | 4                   |
| Bore size            | mm (in)                | 103 (4.05) | 103 (4.05)          | 103 (4.05)          | 103 (4.05)          | 103 (4.05)          | 103 (4.05)          |
| Stroke               | mm (in)                | 132 (5.0)  | 132 (5.0)           | 132 (5.0)           | 132 (5.0)           | 132 (5.0)           | 132 (5.0)           |
| Aspiration           |                        | Turbo      | Turbocharged Cooled | Turbocharged Cooled | Turbocharged Cooled | Turbocharged Cooled | Turbocharged Cooled |
| <b>Power rating</b>  |                        |            |                     |                     |                     |                     |                     |
| Power @ 2200rpm      | kW (HP)                | 74.2 (100) | 74.2 (100)          | 81 (109)            | 85.0 (114)          | 97 (130)            | 93 (125)            |
| <b>Torque rating</b> |                        |            |                     |                     |                     |                     |                     |
| Torque @ 1300rpm     | Nm (lbf ft)            | 425 (313)  | 440 (324)           | —                   | 440 (324)           | —                   | —                   |
| Torque @ 1500rpm     | Nm (lbf ft)            | —          | —                   | 516 (381)           | —                   | 532 (392)           | 550 (406)           |

## 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 29kph (18mph). Optional 33kph (20mph) transmission.

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

## 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 - 97kW/130hp – oil immersed disc type).

## BOOM AND CARRIAGE

Boom is manufactured from high tensile steel.

Low maintenance, hard wearing pads.

JCB clearview 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) | 146 (32.1) |
| Hydraulic tank | litres (UK gal) | 150 (33.0) |
| Coolant        | litres (UK gal) | 23 (5.1)   |

## HYDRAULICS

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. 95 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. 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, fuel gauge and clock. Servo joystick hydraulic control levers. Adjustable steer column with stalk bar 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 stabilisers are on firm ground. Safety canopy as above but with side glass only (screen wiper and heater/screen demister not applicable). Operator presence switch in seat (stage IIIb machines).

\*Adaptive Load Control for EU territories conforms to EN15000.

## 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, traction and industrial tyres, electrical 2/4WD select, windscreens and roof guard, air suspension seat, deluxe cab trim, roof and front screen blind, radio kit, air conditioning, sideshift, reversing fan.

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