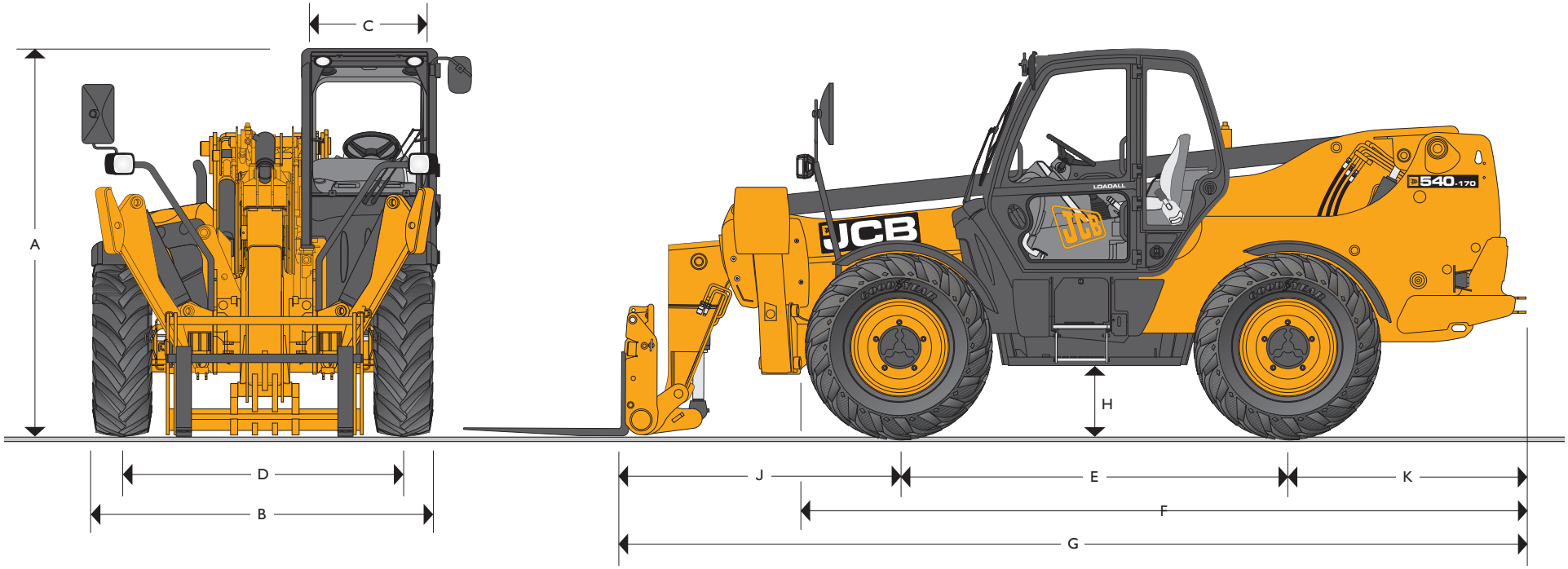
MAX. PAYLOAD: 4.0 tonnes (8820lb) MAX. LIFT HEIGHT: 16.7 metres (54ft 9in)



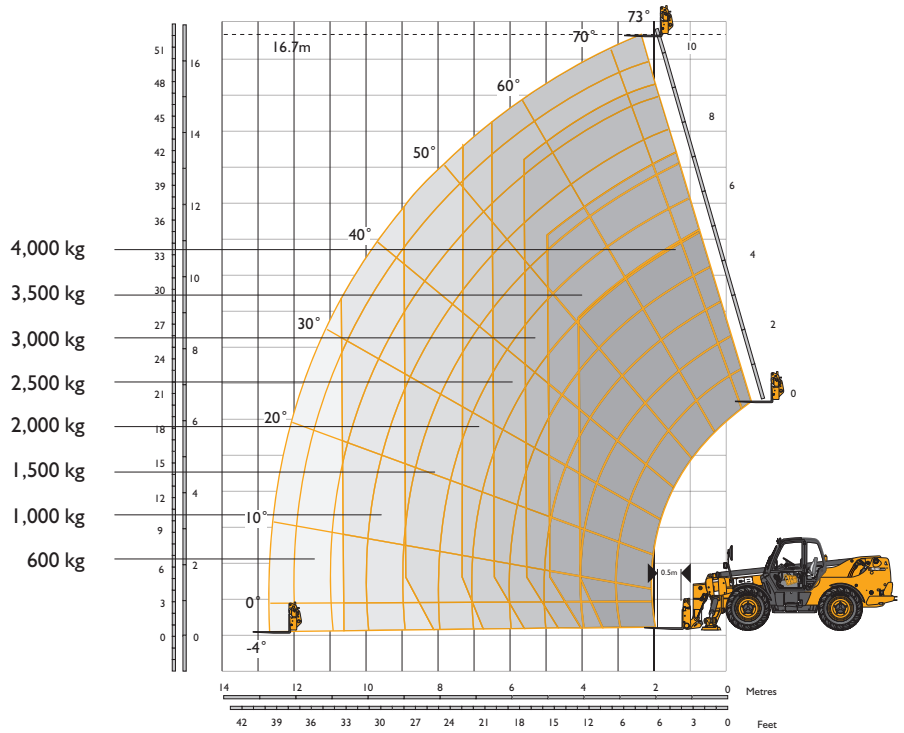
STATIC DIMENSIONS

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)

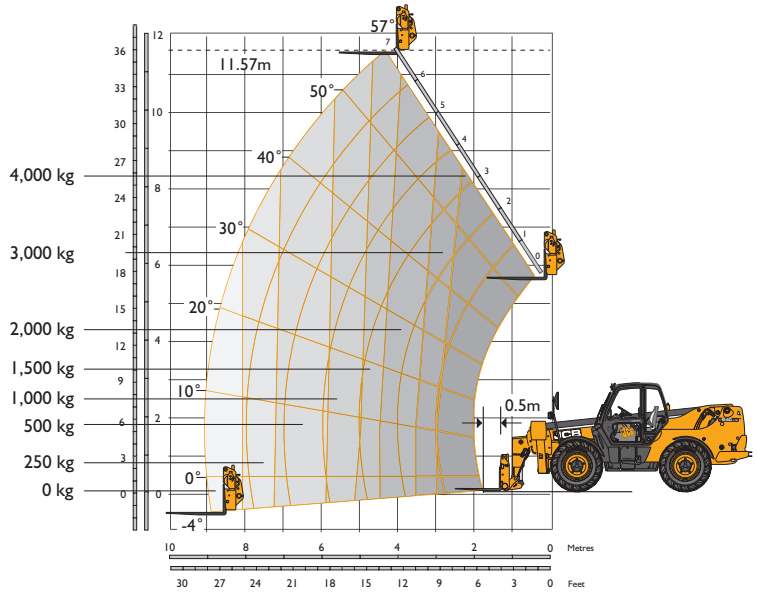
Machine model			540-170
			m (ft-in)
J	Front wheel centre to carriage		1.94 (6-4)
K	Rear wheel centre to rear face		1.67 (5-5)
	Overall width with stabilisers fully deployed		3.55 (11-8)
	Outside turn radius (over tyres)		4.1 (13-5)
	Carriage roll back angle	degrees	39
	Carriage dump angle	degrees	8.8
	Weight	kg (lb)	12060 (26586)
	Tyres		15.5/80-24

*Dependant upon tyre specified.

LIFT PERFORMANCE – STABILISERS EXTENDED



LIFT PERFORMANCE – STABILISERS RETRACTED



Chassis Levelling (Sway)
With stabilisers retracted (Sway angle ±9°)

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.

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	Option	Option
Engine standard		Stage II	Stage III	Stage III	Stage III
Manufacturer		JCB	JCB	JCB	JCB
Displacement	ltr (in^3)	4.4 (269)	4.4 (269)	4.4 (269)	4.4 (269)
No. of cylinders		4	4	4	4
Bore size	mm (in)	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)
Aspiration		Turbo	Turbocharged Cooled	Turbocharged Cooled	Turbocharged Cooled
Power rating					
Power @ 2200rpm	kW (HP)	74.2 (100)	74.2 (100)	85.0 (114)	97 (130)
Torque rating					
Torque @ 1300rpm	Nm (lbf ft)	425 (313)	440 (324)	440 (324)	–
Torque @ 1500rpm	Nm (lbf ft)	–	–	–	532 (392)

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. (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
Hydraulic Cycle Times		**Seconds**
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).

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, windscreen 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.

*Adaptive Load Control for EU territiories conforms to EN15000.

A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned manufacturer of backhoe loaders, crawler excavators, wheeled excavators, telescopic handlers, wheeled loaders, dump trucks, rough terrain fork lifts, industrial fork lifts, mini/midi excavators, skid steer loaders, tractors and compaction equipment.

By making constant and massive investments in the latest production technology, the JCB factories have become some of the most advanced in the world.

By leading the field in innovative research and design, extensive testing and stringent quality control, JCB machines have become renowned all over the world for performance, value and reliability.

And with a global sales and service network of more than 650 dealers and agents, we aim to deliver the best customer support in the industry.

Through setting the standards by which others are judged, JCB has become one of the world's most impressive success stories.

Mixed Sources
Product group from well-managed forests and other controlled sources
www.fsc.org Cert no. TT-COC-002291
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