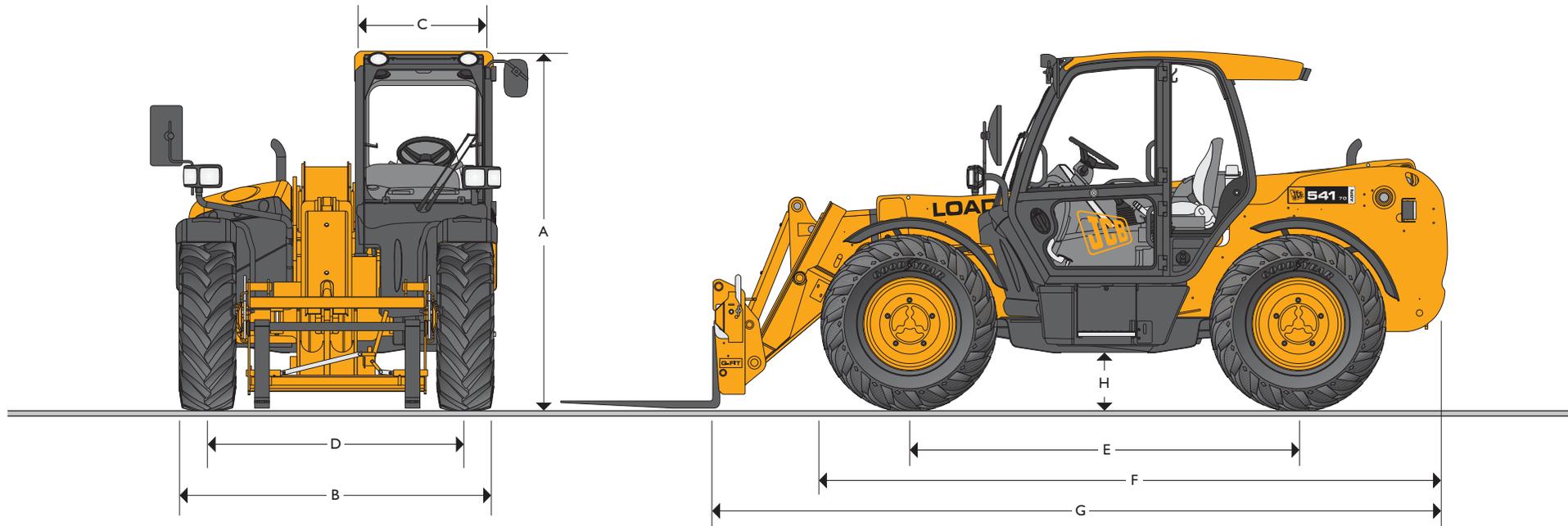




# JCB LOADALL AGRI/AGRI PLUS/AGRI SUPER | 541-70



MAX. PAYLOAD: 4100kg (9036lb)  
 MAX. LIFT HEIGHT: 7.0m (23ft)



## STATIC DIMENSIONS

Machine model	541-70
	m (ft-in)
<b>A</b> Overall height	2.49 (8-2)
<b>B</b> Overall width (over tyres)	2.29 (7-6)
<b>C</b> Inside width of cab	0.94 (3-1)
<b>D</b> Front track	1.81 (5-11)
<b>E</b> Wheelbase	2.75 (9-0)
<b>F</b> Overall length to front tyres	4.38 (14-4)

Machine model	541-70
	m (ft-in)
<b>G</b> Overall length to front carriage	4.99 (16-4)
<b>H</b> Ground clearance	0.40 (1-4)
Outside turn radius (over tyres)	3.7 (12-2)
Weight	7800 (17199)
Tyres	445/70 R24

\*Machine shown with optional air conditioning fitted on Agri Plus and Agri Super.

\*Dependant upon tyre specified.

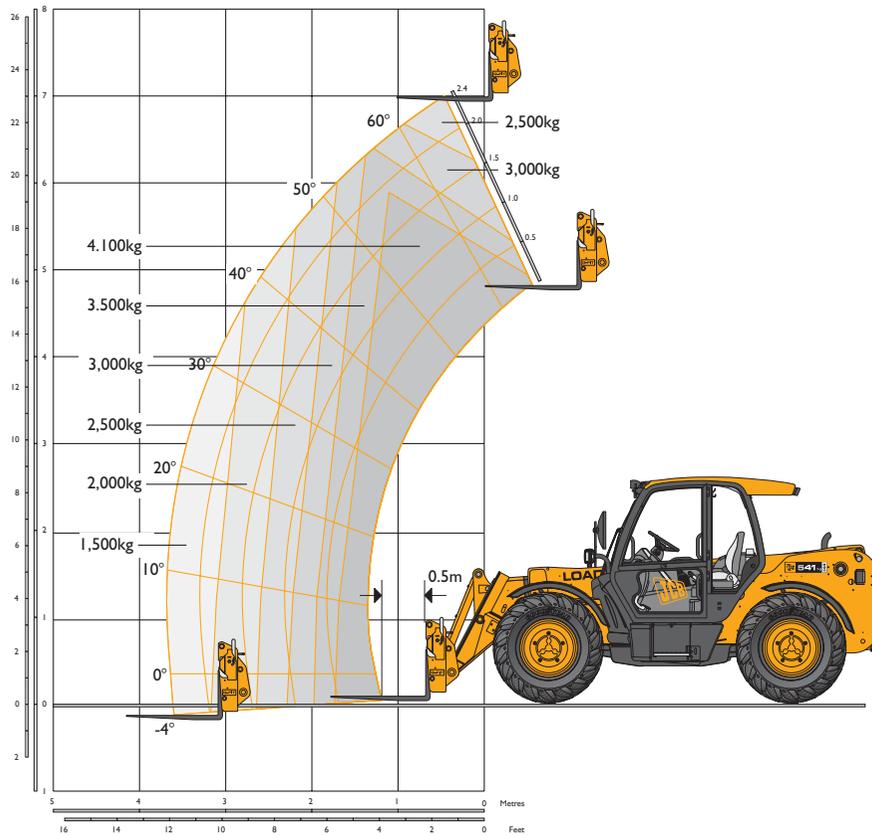
A Product of Hard Work



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## LIFT PERFORMANCE – 541-70



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Machine Model	541-70	
Maximum lift capacity	kg (lb)	4100 (9038)
Lift capacity to full height	kg (lb)	2500 (5511)
Lift capacity at full reach	kg (lb)	1500 (3307)
Lift height	m (ft-in)	7.0 (23-0)
Reach at maximum lift height	m (ft-in)	0.48 (1-7)
Maximum forward reach	m (ft-in)	3.7 (12-2)
Reach with 1 tonne load	m (ft-in)	3.7 (12-2)
Placing height	m (ft-in)	6.3 (20-8)

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.

Machine Model	Agri	Agri Plus / Agri Super
Manufacturer	JCB	JCB
Model	JCB444	JCB444
Displacement	ltr (in <sup>3</sup> )	4.4 (269)
No. of cylinders	4	4
Bore size	mm (in)	103 (4.05)
Stroke	mm (in)	132 (5)
Aspiration	Turbo	Turbo Intercooled
<b>Power rating</b>		
Power @ 2200rpm	kW (HP)	74.2 (100)
<b>Torque rating</b>		
Torque @ 1300rpm	Nm (lbf ft)	425 (313.5)

## TRANSMISSION

**Agri / Agri Plus:** 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 28kph (17mph) 32kph (20mph when 2/4WD select is ordered).

**Agri Super:** JCB 6 speed transmission incorporating torque converter, bevel box and 6 speed powershift gearbox with TorqueLock in 6th gear in one resiliently mounted unit. 3 operating modes: Eco, Power and Field. Travel speed 40kph (25mph). Transmission kick down.

A combined steering column mounted switch incorporating directional control and 6 forward and 4 reverse powershift gears with auto-selection between 4th and 6th gear in Eco and 3rd – 6th gear in Power mode.

**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:** Hydraulically activated, self-adjusting, oil-immersed in-board multi-disc type on front axle.

**Parking brake:** Hand operated disc brake on output of gearbox.



## 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)	148 (32.5)
Hydraulic tank	litres (UK gal)	113 (24.8)
Coolant	litres (UK gal)	23 (5.1)

## HYDRAULICS

Load sensing valve, three stage gear pump with suction strainer and filter.

		Multi-lever or single lever	LSP+
Operating system pressure	bar (psi)	270 (3915)	270 (3915)
Main Hydraulics	ltrs/min	82	110
<b>Hydraulic Cycle Times</b>		<b>Seconds</b>	<b>Seconds</b>
Boom raise		9.0	6.7
Boom lower		6.7	5.3
Extend		7.2	6.1
Retract		5.5	5.5
Bucket dump		4.1	3.2
Bucket crowd		3.1	2.5

\*LSP+ is standard on Agri Plus and Agri Super models, optional on Agri models.

## ELECTRICS

12 v negative earth. 145 AH battery. 95 amp alternator. Full road lighting. Reversing light. Direction indicators. Hazard warning. Reverse alarm.

## DELUXE CAB

Quiet, safe and comfortable cab conforms to ROPS ISO 3471 and FOPS ISO 3449. Tinted glass all round with laminated front and 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, water in fuel, engine oil pressure, air cleaner, battery charge, transmission oil temperature and pressure. Hourmeter and road speed indicator. Engine temperature and fuel gauge.  
 Multi lever direct acting hydraulic control levers with joystick control of lift and crowd, incorporating a transmission disconnect or single lever joystick, incorporating a transmission disconnect, with progressive extend/retract and auxiliary incorporating constant flow facility (LSP+).  
 Adjustable steer column with stalk bar powershift change and forward reverse shuttle. Throttle and brake pedal floor mounted. Adjustable deluxe 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.

## STEERING

Hydrostatic power steering with power track rods on both axles.

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

**Agri Plus / Agri Super:** Auto select. Three steer mode options: front wheel steer; all wheel steer; crab steer: operated from in the cab by a selection switch, with automatic alignment (optional on Agri model).

## OPTIONS AND ACCESSORIES

**Options:** Front and rear working lights, rotating flashing beacon, fire extinguisher, radial industrial tyres, electrical 2/4WD select, limited slip differential in front axle, windscreen and roof guard, air suspension seat, roof and front screen blind, radio kit, heavy duty battery, air conditioning, reversing fan, 2 speed and intermittent front wash/wipe.

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



## 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 and tractors.

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

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 over 400 distributors and agents, the company exports over 70% of its production to all five continents.

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

