

JCB 531-70 LOADALL AGRI/AGRI PLUS/AGRI SUPER

MAX. PAYLOAD: 3100kg (6832lb) MAX. LIFT HEIGHT: 7.0m (23ft)

STATIC DIMENSIONS

		m (ft-in)
*Machine with optional air conditioning fitted on Agri Plus and Agri Super.		
Overall height		2.49 (8-2)
Overall width (over tyres)*	*Dependant upon tyre specified.	2.23 (7-4)
Inside width of cab		0.94 (3-1)
Front track		1.81 (5-11)
Wheelbase		2.75 (9-0)
Overall length to front tyres		4.38 (14-4)
Overall length to front carriage		4.99 (16-4)
Ground clearance		0.40 (1-4)
Outside turn radius (over tyres)		3.7 (12-2)
Departure Angle	Degrees	43
Weight	kg (lb)	6900 (15215)
Tyres		15.5/80-24

LIFT PERFORMANCE – 531-70

Complies with stability test EN 1459 Annex B.

Maximum lift capacity	kg (lb)	3100 (6834)
Lift capacity to full height	kg (lb)	2400 (5291)
Lift capacity at full reach	kg (lb)	1250 (2756)
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)

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 ³)	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)	132 (5)
Aspiration		Turbo	Turbo Intercooled
Power rating			
Power @ 2200rpm	kW (HP)	74.2 (100)	93 (125)
Torque rating			
Torque@1300rpm	Nm (lbf ft)	425 (313.5)	527 (389)

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 mul i-disc type on front axle.

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

LIFT PERFORMANCE – 531-70

Complies with stability test EN 1459 Annex B.

Maximum lift capacity	kg (lb)	3100 (6834)
Lift capacity to full height	kg (lb)	2400 (5291)
Lift capacity at full reach	kg (lb)	1250 (2756)
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)

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.

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.

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.