

AGRI LOADALL | 535-95/536-60/541-70

Gross power: 109hp – 125hp Lift capacity: 6600lb – 9000lb Lift height: 20ft 6in – 31ft 2in



SMART TECHNOLOGY FROM JCB.

JCB'S SMART HYDRAULICS PACKAGE IMPROVES CYCLE TIME BY 19% WHILE DELIVERING A 15% REDUCTION IN THE AMOUNT OF FUEL USED.

Introducing JCB Smart Hydraulics.

JCB's Tier 4 Final AGRI Loadalls are enhanced by JCB's new Smart Hydraulics package. High flow auxiliaries and a seat-mounted servo joystick brings improved comfort and productivity. These features are in addition to JCB's unique regenerative hydraulics system which improve cycle times by up to 19%, while delivering a 15% reduction in the amount of fuel used to move the same amount of material.

Also part of the Smart Hydraulics package are end-of-stroke damping on boom lift and retraction, and a new 'auto' mode for the boom's Smooth Ride System (SRS). The Bucket Control System eliminates the need for an operator to make repeated joystick movements, while changing attachments is also easier thanks to an auxiliary hydraulics venting valve, operated by a button in the cab.



Regenerative hydraulics.

1 To make the most out of every drop of fuel, gravitational forces are harnessed to make lowering and retracting the boom more energy efficient and productive.



Auto bucket control.

4 JCB's auto bucket control technology makes it easier to meter out or fully empty material from your bucket or manure fork via a feature button on the joystick.



Hydraulic auxiliary venting.

The cab boasts a pressure release button for front hydraulic services ensuring quick and safe changeover of attachments.



Boom end damping.

Improved material retention and smoother cycle work with boom end damping on lift and retract.



High flow auxiliary.

This option increases the auxiliary power for greater productivity on attachments demanding high flow. This feature also helps to keep the hydraulic oil cooler.



Optional auto SmoothRide System.

Auto SRS engages at speeds of over 2.5mph. This improves load retention, comfort and productivity when travelling at speed on roads and fields.



ULTIMATE PERFORMANCE, ULTIMATE PRODUCTIVITY.

DESIGNED TO MEET AGRICULTURAL DEMANDS. JCB'S LATEST AGRI LOADALL RANGE OFFERS UNPARALLELED PRODUCTIVITY. COURTESY OF SMART HYDRAULICS. **OUTSTANDING PERFORMANCE. VERSATILITY AND** EFFICIENCY, EXACTLY WHAT YOU'D EXPECT FROM THE WORLD LEADING TELEHANDLER MANUFACTURER. JCB's new efficient EcoMAX Tier 4 Final engine produces its power and torque at low engine speeds for great responsiveness, and our wide range of Loadall models means you can find the perfect machine for your requirements.

> Auto Smoothride System (SRS) engages at speeds of over 2.5mph (4kmh). This improves load retention and comfort (and, in turn, productivity) when travelling at speed on roads and fields. The system can be manually engaged with the boom in any position.

A productive machine.

1 A JCB AGRI Loadall is extremely maneuverable; the compact wheelbase and large steering lock angles save you valuable time on the farm, especially where space is limited.

2 4WD is standard, so traction is assured at all times. 2WD is available at the flick of a switch too. minimizing tire wear and fuel use when roading. For improved performance on difficult terrain, front axle limited slip differential is standard.

With a variable geometry turbo for excellent performance at low revs. the JCB EcoMAX Tier 4 Final engine can provide greater fuel efficiency.

Productive lifting and hydraulics.

3 Smart hydraulics help to ensure the very fastest cycle times, keeping machine output high.







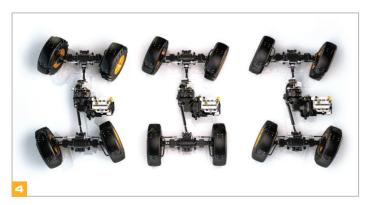


Productive controls.

- AGRI Loadalls have three selectable steer modes. There's two wheel steer, which is ideal for travelling at high speed on the road; four-wheel steer for working in tight spaces; and crab steer for maneuvering close to walls and farm buildings. Operators can switch modes on the move without having to line the wheels up.
- Joystick-mounted manual gear changes means you can shift gears, speed and direction quickly and easily with one ergonomic control. AGRI Super models also benefit from automatic gear changes. With the seat mounted joystick solution standard on Super models this gives great rough terrain performance. Optional on Plus models.
- GAGRI loadalls are fitted with an auxiliary hydraulic circuit as standard, ensuring they can be used with a wide range of attachments, ensuring maximum versatility. The cab now boasts a pressure release button for the front auxiliary hydraulic services too. A constant flow auxiliary is fitted as standard and twin auxiliaries are available as an option.
- High flow pipework gives greater flow to the boom, ideally suited to attachments demanding high flow such as silage defacers and straw spreaders.

The JCB Q-Fit carriage makes attachment changing quick and easy, so choose from our extensive range of attachments to customise any machine for all applications.











A SOUND INVESTMENT.

WE'VE DESIGNED THE JCB AGRI LOADALL RANGE TO PROVIDE SUPREME EFFICIENCY DURING OWNERSHIP AND AGRICULTURAL OPERATION. ALL MACHINES OFFER SUPERIOR RETURN ON INVESTMENT. WITH GREAT FUEL EFFICIENCY AND UNPARALLELED RESALE VALUE GUARANTEED. LOW RUNNING COSTS ARE A GIVEN.

EcoMAX efficiency.

1 The 109hp (81kW) and 125hp (93kW) JCB EcoMAX engines are fitted with a variable speed cooling fan that automatically reacts to ambient temperatures, adjusting fan speed to maximize cooling and minimize fuel consumption and in cab noise levels.

ZICB AGRI Loadalls are products of our Efficient Design program, the upshot of which is that you can expect up to 18% fuel savings over our Tier 3 models.

The engine can be re-programed to run on lowergrade fuels, which means your machine can be resold across many different territories, with a corresponding boost to residual values.

4 An LED screen on the dash provides operators with useful information such as fuel remaining, fuel used since last fill, and current average fuel consumption figures, with Tier 4 Final this will now also show Diesel Exhaust Fluid (DEF) level and any additional information.

* Fuel data is measured by JCB Livelink across 4,267 customers agricultural Loadalls from January 2nd 2014 to September 10th 2015.

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By producing high levels of power and torque even at engine speeds as low as 1300 – 1400rpm, EcoMAX can provide fuel-efficient matching of transmission and hydraulics.

There is only one real test for our industry leading fuel economy – real life customers in real live applications. Over 2.5 million customer machine hours have been monitored to provide real life fuel consumption figures of only 1.58 gal/hour (5.97 L/hour).*







Reducing ownership costs.

JCB's innovative Clean Burn technology helps our engines meet Tier 4 Final regulations without exhaust after-treatments like DPFs. This means, of course, that costly DPF regeneration or costly replacement is never a worry.

Instead, a JCB Loadall uses a sealed-for life Selective Catalytic Reduction (SCR) system. Among the numerous benefits of this setup is the fact that there's no loss of productivity due to DPF regeneration.

- G JCB Loadalls enjoy huge global demand due to legendary productivity and build quality and reliability - resale values have always been correspondingly strong.
- Z AGRI Super Loadalls are fitted with TorqueLock in 5th and 6th gears for greater speed, quicker journey times between farm and field, and reduced fuel consumption when roading. High back-off brakes reduce viscous drag during roading and rehandling, which improves fuel economy by up to 2%.









STRENGTH AND DURABILITY.

WE UNDERSTAND THAT AGRICULTURAL WORK CAN BE HARD AND FOR LONG HOURS. IT'S FOR THIS REASON THAT AGRI LOADALLS ARE BUILT TO BE AS TOUGH AS POSSIBLE, USING TOP QUALITY COMPONENTS AND INNOVATIVE MANUFACTURING PROCESSES. YOU CAN THEREFORE EXPECT A LONG AND PRODUCTIVE SERVICE LIFE FROM YOUR MACHINE.

The one-piece fully welded chassis maximizes strength and minimizes weight. For maximum structural rigidity, the boom on an AGRI Loadall is mounted low in the chassis. This guarantees superior over-the-shoulder visibility.

Tough boom design.

1 Ultimate strength and durability is assured with large boom overlaps of over 3ft 3in. Hydraulic hoses can be vulnerable to damage, so ours are intelligently routed through the boom for maximum protection.

Built-in protection.

- Hoods are protected from damage by being side-mounted and recessed.
- AGRI Loadalls with a lift height of 23ft or more come equipped with fold-up rear lights that can be kept clear and well protected from typical farm damage.
- 4 Front and top screen roof guards for added protection from falling debris while lifting at height are optional.
- Heavy-duty axle feet help to absorb the immense stresses generated during continuous heavy loading.





We've fitted a tough inverted U-shaped boom pressing with fully welded closing plates. For extra strength, we've reduced the number of joints and stress points across our integrated boom nose and one-piece closing plate.





Durable components.

The AGRI Loadall range's stringent testing program has included high stress loading of the chassis, boom and other key components, as well as repeated transmission use over thousands of typical agricultural work cycles, and prolonged use on our new rolling road facility.

The centrally mounted lift, tilt and extension rams eliminate boom twisting and are held in place by centrally-mounted keyhole castings for even greater structural integrity.

■ At JCB, we make our own hydraulic cylinders, cabs, axles, transmissions and engines — all designed to work in perfect harmony for optimum reliability.



The Tier 4 Final engine builds on the proven success of the JCB EcoMAX platform. Since









A SLICK OPERATION.

FOR AN AGRICULTURAL
MACHINE TO PROVIDE
MAXIMUM PRODUCTIVITY,
IT NEEDS TO BE INTUITIVE AND
COMFORTABLE TO OPERATE
ACROSS A WIDE VARIETY OF
CONDITIONS AND CLIMATES.
THE JCB AGRI LOADALL RANGE
PROVIDES THE MOST
ERGONOMIC WORKING
ENVIRONMENT AROUND,
WITH FEATURES
TO HELP KEEP OPERATORS
FOCUSED ALL DAY LONG.

Ergonomic controls.

- 1 For ergonomic, fast and precise control, AGRI Loadalls are fitted with a fully proportional single lever servo joystick.
- Backlit switches ensure quick and accurate control recognition, even in the dark.
- All operators from novices to experts will find JCB Loadalls easy-to-use; the cab interior is designed to be intuitive and uncomplicated, with clear instruments and a familiar automotive-style control layout.
- To tailor your Loadall to any driving style, choose the easily adjustable tilting telescopic steering column.









Comfort and convenience.

To keep operators comfortable and focused, our 7-speed fan heater can help create the right working temperature all year round, from the depths of winter to hot summer days. Air conditioning makes it even easier to find the perfect cab temperature.

- For comfort and support during boom operation, our Super models come with a seat mounted joystick.
- We now offer front, rear and boom LED worklight options to optimize visibility at night.
- All-around visibility on an AGRI Loadall is excellent, courtesy of direct glazing and a large roof screen, as well as a low hood.
- We've made it possible to close the upper door from outside thanks to an exterior top door slam latch.











SAFETY AND SECURITY.

JCB AGRI LOADALLS ARE EQUIPPED WITH A NUMBER OF STRINGENT SAFETY MEASURES TO HELP GUARD AGAINST ACCIDENTS. THERE'S ALSO A HIGH LEVEL OF SECURITY TECHNOLOGY INSTALLED.

Protecting people.

- 1 Excellent cab access, with three points of contact and ergonomically positioned grab handles and foot step.
- Hose burst check valves on the rams prevent collapse if a hose fails.
- The low boom profile and low boom pivot make for superb rear and all-around visibility.
- 4 Excellent visibility of boom and attachment at height, allow for safe and precise load placement.
- 5 Standard fitment of a reverse alarm to all AGRI Loadalls.



Real-time geo-fencing lets you set operating zones and curfew alerts that tell you when your machinery is used outside of predetermined times. Location information helps you store machines safely.







LESS SERVICING, MORE SERVICE.

THE RIGORS OF FARMING ARE SUCH THAT A TELEHANDLER NEEDS TO SPEND AS MUCH TIME AS POSSIBLE AT WORK, NOT BEING WORKED ON. SO JCB LOADALLS HAVE LONG SERVICE INTERVALS AND, WHEN MAINTENANCE DOES NEED TO BE CARRIED OUT, IT'S AN EASY AND QUICK PROCESS.

Maintaining productivity.

- 1 All daily checks and greasing can be carried out at ground level.
- It's easy to fill both the diesel and DEF tanks from ground level. Both tanks also have built-in pre-filters in the filler necks to guard against dirt and contaminants as well as separate keys to prevent cross contamination. Housed inside the DEF tank are DEF quality sensors.
- The batteries are protected by a hinged and bolted door for easy yet secure access.
- A dry lubricant system means our wear pads are extremely durable, with long service intervals.
- Every fluid filter (engine oil, hydraulic oil and fuel) is centrally located for fast, easy servicing. The air filter is easily accessed too, and its double-element design simplifies cleaning.

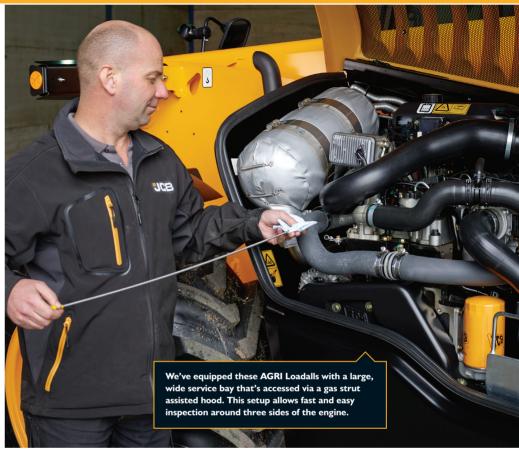












LIVELINK, WORK SMARTER.

JCB LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MONITOR AND MANAGE YOUR MACHINES REMOTELY — ONLINE, BY EMAIL OR BY MOBILE PHONE.

Productivity and cost benefits -

Machine location information can improve fleet efficiency and you may even enjoy reduced insurance costs courtesy of the added security that LiveLink brings.

* Note: Please consult your local dealer for Livelink availability



Maintenance benefits – Accurate hours monitoring, maintenance history records, critical machine alerts and service alerts improve maintenance planning.

Security benefits – Real-time geofencing lets you set operating zones and curfew alerts that tell you when your machinery operates outside of predetermined times. Location information helps you store machines safely.

VALUE ADDED.

JCB'S WORLDWIDE CUSTOMER SUPPORT IS FIRST CLASS. WHATEVER YOU NEED AND WHEREVER YOU ARE, WE'LL BE AVAILABLE QUICKLY AND EFFICIENTLY TO HELP MAKE SURE YOUR MACHINERY IS PERFORMING TO ITS FULL POTENTIAL.



1 Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance teams is always on hand to provide fast, flexible, competitive quotes.

JCB Assetcare offers comprehensive extended warranties. Irrespective of what you opt for, our dealers around the world charge competitive labor rates, and offer no-obligation quotations as well as fast, efficient repair work.



The global network of JCB Parts Centers is another model of efficiency; with 16 regional bases, we can deliver around 95% of all parts anywhere in the world. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.

Note: JCB LIVELINK and JCB ASSETCARE may not be available in your region, so please check with your local dealer.

ATTACHMENTS.

FROM FORKS AND SHOVELS
TO SPECIALIZED AGRICULTURAL
ATTACHMENTS, OUR GENUINE
JCB ATTACHMENTS RANGE CAN
BE PERFECTLY MATCHED TO
ANY APPLICATION.

Powergrab.

The improved traditional tool for the stock farmer, these well-proven units are available in a range of sizes with options of forged or Hardox tines.



Shear grab.

Designed to cleanly cut grass and corn from the clamp, these units feature hardox or forged tines, a heavily reinforced construction and powerful action. The serrated front blades are individually replaceable to minimize repair costs.



Agricultural shovel.

High quality steel design with optional drilled toeplates to allow for additional bolt-on plates. Lightweight Domex material for maximum durability and productivity.



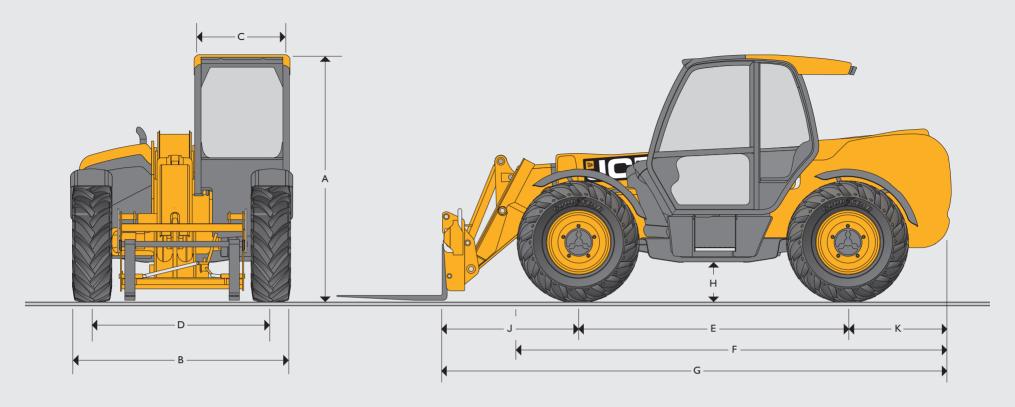
Grain pusher.

Used to make optimum use of grain store capacity, the grain pusher has a 90in (2286mm) blade and uses a tubular frame for strength and minimum weight. Especially useful for operating over above-floor drying ducts. No flat surfaces allows free fall of grain.



Grass forks.

Designed specifically for handling large volumes of grass for silage work, they feature a rear spill guard and hard wearing Hardox tines.



STATIC DIMENSIONS				
Machine model		535-95	536-60	541-70
A Overall height*	ft-in (mm)	8-4 (2540)	8-2 (2490)	8-4 (2540)
B Overall width (over tires)*	ft-in (mm)	7-8 (2340)	7-6 (2290)	7-8 (2340)
C Inside width of cab	ft-in (mm)	3-1 (940)	3-1 (940)	3-I (940)
D Front track	ft-in (mm)	6-2 (1870)	5-11 (1810)	6-3 (1910)
E Wheelbase	ft-in (mm)	9-0 (2750)	9-0 (2750)	9-0 (2750)
F Overall length to front tires	ft-in (mm)	14-4 (4380)	13-3 (4030)	14-4 (4380)
G Overall length to front carriage	ft-in (mm)	16-4 (4990)	14-11 (4550)	16-4 (4990)
H Ground clearance	ft-in (mm)	I-4 (400)	I-3 (375)	1-4 (400)
Outside turn radius (over tires)	ft-in (mm)	12-6 (3800)	12-2 (3700)	12-6 (3800)
Carriage rollback angle	degrees	41	42.6	42.6
Carriage dump angle	degrees	24	42.5	37.5
Weight	lb (kg)	17681 (8020)	15873 (7200)	17196 (7800)
Tires		500/70 R24	460/70 R24	500/70 R24
Machine shown with optional roof mounted air conditioning fitted on Agri Plus and Agri Super.				

^{*}Dependant upon tire specified.

LIFT PERFORMANCE				
Machine model		535-95	536-60	541-70
		30 30 30 30 30 30 30 30 30 30	22 20 18 7,000 lb 16 4,000 lb 10 8 6,000 lb 10 10 10 10 10 10 10 10 10 10	26 24 22 20 18 60° 19 5.250 lb 19 60°
Maximum lift capacity*	lb (kg)	6600 (2995)	7000 (3175)	9000 (4082)
Lift capacity to full height	lb (kg)	3300 (1500)	7000 (3175)	5250 (2385)
Lift capacity at full reach	lb (kg)	1100 (500)	3000 (1364)	3400 (1543)
Lift height	ft-in (mm)	31-2 (9500)	20-6 (6250)	23-0 (7000)
Reach at maximum lift height	ft-in (mm)	7-11 (2.43)	2-10 (0.87)	1-7 (0.47)
Maximum forward reach	ft-in (mm)	21-5 (6.52)	10-10 (3300)	12-2 (3700)
Reach with 2200lb load	ft-in (mm)	16-8 (5080)	10-10 (3300)	12-2 (3700)

^{* 24&}quot; load centers.

ENGINE			
Machine model		536-60 Agri	535-95 Agri Plus / 536-60 Agri Plus / 541-70 Agri Plus / Super
Emissions level		Tier 4 Final	Tier 4 Final
Model		Agri	Agri Plus / Agri Super
Manufacturer		JCB	JCB
Displacement	cu in (ltr)	269 (4.4)	269 (4.4)
No. of cylinders		4	4
Bore size	in (mm)	4.06 (103)	4.06 (103)
Stroke	in (mm)	5.2 (132)	5.2 (132)
Aspiration		Turbocharged cooled	Turbocharged cooled
Power rating			
Power @ 2200rpm	hp (kW)	109 (81)	125 (93)
Torque rating			
Torque @ 1500rpm	lb ft (Nm)	381 (516)	407 (550)
After treatment		SCR & DEF	SCR & DEF

AGRI AGRIPLUS AGRISUPER

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OPTIONS			
Model	536-60	535-95, 536-70, 541-70	541-70
Sub model	AGRI	AGRI PLUS	AGRI SUPER
Engine and gearbox			
109hp (81kW)	•	_	-
125hp (93kW)	N/A	•	•
20mph (33kph) (4-speed)	•	•	-
25mph (40kph) (6-speed) incorporating TorqueLock in 5th and 6th gear	N/A	N/A	•
Standard features			
Electrical 2/4WD select	•	•	•
Smart hydraulics (lower and retract) 535-95 Lower only	•	•	•
End damping (lift and retract) 535-95 lift only	•	•	•
Quick auxiliary venting	•	•	•
Bucket control system	•	•	•
Options			
Auto SRS	0	•	•
2-speed wiper	0	0	•
Joystick seat mounted	N/A	0	•
High flow auxiliary	N/A	0	•
Seat – Air suspension and heated	0	0	0
Twin front auxiliaries	0	0	0
LED work lights (front and rear)	0	0	0
Auto reversing fan	0	0	0
Air conditioning	•	•	•
LED boom works lights (boom)	0	0	0
Limited slip differential in front axle	•	•	•

N/A – Not Available Standard O Option

HYDRAULICS				
		535-95	536-60	541-70
Model		Agri Plus	Agri / Agri Plus	Agri Plus / Agri Super
Operating system pressure	PSI (bar)	3495 (241)	3770 (260)	3770 (260)
Main hydraulics	gpm (I/min)	37 (140)	37 (140)	37 (140)
Pump		Variable	Variable	Variable
Hydraulic cycle times		Seconds	Seconds	Seconds
Lift		5.6	5.7	5
Lower		6.3	5.7	5.2
Extend		9.4	5.9	6.7
Retract		10	4.8	5
Bucket dump		1.9	2.7	2.9
Bucket crowd		2.5	2.1	2.3

SERVICE CAPACITIES		
Fuel tank	gal (liters)	39 (146)
Hydraulic tank	gal (liters)	30 (113)
Coolant	gal (liters)	6 (23)
Engine oil pan	gal (liters)	3.7 (14)
DEF tank	gal (liters)	5.5 (20.8)

Agri / Agri Plus: JCB powershift transmission incorporating torque converter, bevel box and a 4-speed powershift gearbox in one resiliently mounted unit. Manual gear shift incorporated onto the single lever joystick with 4 forward and 4 reverse powershift gears. Travel speed 20mph (33kph). Electrical 2/4 wheel drive select. Switchable transmission disconnect on brake pedal. Agri Super: JCB 6-speed transmission incorporating torque converter, bevel box and 6-speed powershift gearbox with TorqueLock in 5th and 6th gear in one resiliently mounted unit. 2 operating modes: Manual and Auto. Travel speed 25mph (40kph). Electrical 2/4 wheel drive select. Gear shift on single lever joystick. Auto selection between 4th and 6th gear in auto mode. Switchable transmission disconnect on brake pedal. Front and rear drive axles: JCB epicyclic hub reduction drive/steer axles with front limited slip and rear torque proportioning differentials. Service brakes: Hydraulically activated, self-adjusting, oil-immersed in board high back-off multi-disc type on front axle. Parking brake: Hand-operated disc brake on output of gearbox (125hp (93kW)) — oil immersed disc type).
type on front axle. Parking brake: Hand-operated disc brake on output of gearbox (125hp (93kW) – oil immersed
· · ·
BOOM AND CARRIAGE Boom is manufactured from high tensile steel. JCB Q-fit self-leveling carriage with lever operated pin locking accepts pallet forks and a wide range of attachments.
STEERING Hydrostatic power steering with power track rods on both axles.

ELECTRICAL SYSTEM		
System voltage	Volt	12
Alternator	Amp/hour	150
Battery capacity	Amp/hour	220

DELUXE CAB Quiet, safe and comfortable cab conforms to ROPS ISO 3471 and FOPS ISO 3449. Tinted glass allaround with laminated front and sun roof. Roof bars, front, rear and sunroof, 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, fuel gauge and clock. 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. Hydraulic controls: Agri/Plus/Super: Cab mounted single lever servo joystick, incorporating forward/neutral/reverse, with progressive extend/retract and auxiliary incorporating constant flow facility. **OPTIONS AND ACCESSORIES** Options: Front and rear working lights, rotating flashing beacon, windshield and roof guard, air suspension seat, roof and front screen blind, radio kit, auto reversing fan, 2-speed and intermittent

front wash/wipe, high flow auxiliary, Smooth Ride System on Agri model, clean air kit.



ONE COMPANY, OVER 300 MACHINES.

Your nearest JCB Dealer

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Lift capacity: 6600lb – 9000lb Lift height: 20ft 6in - 31ft 2in

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Download the very latest information on this product range at agriculture.jcbna.com

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