

## SPECIFICATION



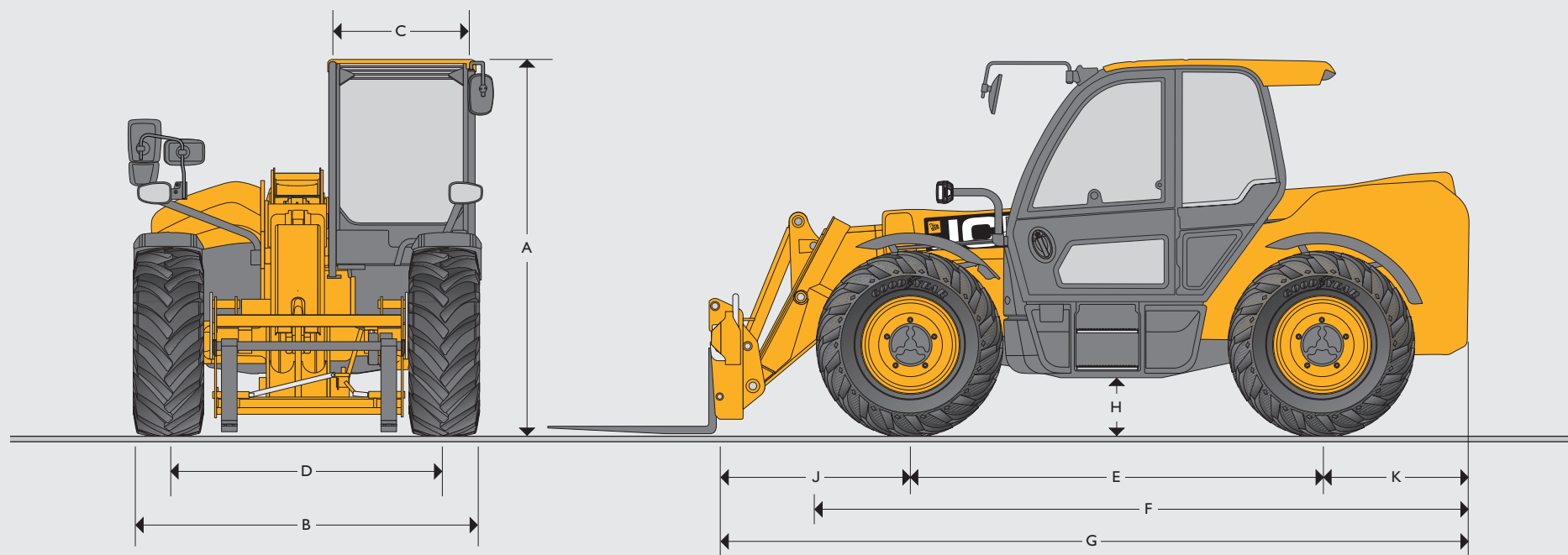
**SERIES III – AGRI LOADALL** | 532-60/532-70/536-95/538-60/542-70/560-80

Gross power: 81kW/109hp – 112kW/150hp   Lift capacity: 3,200kg – 6,000kg   Lift height: 6.2m – 9.5m





## STATIC DIMENSIONS



## STATIC DIMENSIONS

Machine model		532-60		532-70	536-95	538-60	542-70	560-80	
A Overall height	m	2.42	2.49	2.49	2.49	2.49	2.49	2.62	2.67
B Overall width (over tyres)*	m	2.23	2.34	2.34	2.34	2.34	2.34	2.55	2.49
C Inside width of cab	m	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
D Front track	m	1840	1810	1.81	1.87	1.81	1.81	2.05	1.99
E Wheelbase	m	2750	2750	2.75	2.75	2.75	2.75	2.75	2.75
F Overall length to front tyres	m	3.89	3.97	4.38	4.38	4.03	4.38	4.49	4.55
G Overall length to front carriage	m	4.69	4.69	4.99	4.99	4.55	4.99	5.28	5.28
H Ground clearance	m	0.28	0.37	0.37	0.37	0.37	0.37	0.37	0.43
J Front wheel centre to carriage	m	1.15	1.15	1.23	1.21	1.15	1.23	1.23	1.23
K Rear wheel centre to rear face	m	0.65	0.65	1.01	1.03	0.65	1.01	1.01	1.01
Turn radius - over tyres	m	3.7	3.7	3.7	3.7	3.7	3.7	4.1	4.1
Carriage rollback angle -for shovel in carry position	degrees	42.6	42.6	42.6	41	42.6	42.6	43	43
Carriage dump angle - for shovel at full height	degrees	42.5	42.5	37.5	24	42.5	37.5	43.5	43.5
Weight (Powershift)	kg	7340	7520	7600	8760	7560	8300	11360	11610
Weight (DualTech VT)	kg	7740	7920	8370	8820	7960	8520	11540	11790
Tyres		380/75 R20	460/70 R24	460/70 R24	460/70 R24	460/70 R24	460/70 R24	500/70 R24	480/80 R26

Machine shown with roof mounted air conditioning fitted.

\*Dependant upon tyre specified.

OPTIONS	AGRI	AGRI SUPER	AGRI XTRA
<b>Drivetrain</b>			
109hp / 81kW	●	–	–
130hp / 97kW	–	●	–
150hp / 112kW	–	–	●
Auto reversing fan	●	●	●
40kph Powershift (4-speed) (incorporating TorqueLock in 4th gear)	●	–	–
40kph Powershift (4-speed) (33/37kph for 560-80 (tyre dependant))	–	○	–
40kph Autoshift (6-speed), (incorporating TorqueLock in 5th and 6th gear)	–	○	○
40kph DualTech Variable Transmission, (combined Hydrostatic and Mechanical Drive with Flexi Mode)	–	○	○
Electrical 2/4WD disconnect	●	●	●
Limited Slip Differential ( LSD) in front axle	○	○	●
<b>Smart Hydraulics</b>			
Regenerative hydraulics for lower and retract (536-95 lower only)	●	●	●
End damping for lift and retract (536-95 lift only )	●	●	●
Quick auxiliary venting – internal and external	●	●	●
Bucket control system	●	●	●
Auto – Smooth Ride System	●	●	●
High flow - Double acting – auxiliary system	○	○	○
Double acting – Single line - Front auxiliary	●	●	●
Double acting – Single line - Rear auxiliary	●	●	●
Double acting – Twin line - Front auxiliaries	○	○	○
Double acting – Twin line - Rear auxiliaries (not available on 6m models)	○	○	○
Electro – hydraulic pin locking	○	○	○
Sway: Electro-Hydraulically controlled front axle to chassis levelling system (542-70 & 536-95 (6 Speed))	–	○	○
<b>Cab</b>			
Seat mounted control pod	●	●	●
Mechanical suspension seat	○	–	–
Air suspension seat	○	○	○
Heated air suspension seat	○	○	○
Half leather, heated and vented air suspension seat	–	○	○
Air conditioning	○	○	●
Auto temperature climate control, air conditioning	○	○	○
Heated screen – rear	●	●	●
Heated screen – front	○	○	○
External screen guard – front	○	○	○
External screen guard – front and roof	○	○	○
<b>Lighting</b>			
Halogen worklights – 2x front cab, 2x rear cab, 2x boom, 1x hitch light & interior light	●	●	–
LED worklights – 2x front cab, 2x rear cab, 2x boom, 1x hitch light & interior light	○	○	●
360° LED worklight package – additional 2x front cab & 2x rear chassis	–	○	●
LED road light package – front and rear road lights number plate light	○	○	○
<b>Braking</b>			
Twin line hydraulic trailer brakes* with 7 pin electrics & E.B.S socket	●	●	●
Twin line air trailer brakes* with 7 pin electrics & A.B.S socket	○	○	○
Twin line air trailer brakes* & single line hydraulic with 7 pin electrics & A.B.S socket	○	○	○
<b>Other</b>			
Mechanical tow hitch*	●	●	●
Hydraulic pick up tow hitch*	○	○	○
Ladder mounted tow hitch*	○	○	○
Boom ingress protection kit (7 & 8m only)	○	○	●
Remote centralised rear grease points (7 & 8m only)	○	○	●
Transmission belly guard kit (std with DTVT)	○	○	○

Standard ● Optional ○ Not applicable –

\*Complies as a European type approved vehicle as a T1a tractor. (Some options are territory dependant).

## LIFT PERFORMANCE

Machine model (Powershift)		532-60	532-70	536-95	538-60	542-70	560-80
Lift capacity - maximum	kg	3200	3200	3600	3800	4200	6000
Lift capacity to full height	kg	3200	2750	1600	3800	2500	3000
Lift capacity at full reach	kg	1400	1400	500	1500	1575	1750
Lift height	m	6.22	7	9.49	6.23	7.01	7.9
Forward reach at maximum lift height	m	0.87	0.48	2.43	0.87	0.48	0.92
Maximum forward reach	m	3.33	3.72	6.55	3.34	3.76	4.48
Reach with 1 tonne load	m	3.33	3.72	4.98	3.34	3.76	4.48
Placing height	m	5.42	6.3	8.78	5.42	6.3	6.64
Tear out force	daN	4750	3980	4470	4570	4400	6650

Complies with stability test: ISO 22915-14:2010.



LIFT PERFORMANCE

Machine model (DualTech VT)		532-60	532-70	536-95	538-60	542-70	560-80
Lift capacity - maximum	kg	3200	3200	3600	3800	4200	6000
Lift capacity to full height	kg	3200	2750	2000	3800	2750	3000
Lift capacity at full reach	kg	1400	1675	575	1550	1675	1750
Lift height	m	6.22	7	9.49	6.23	7.01	7.9
Forward reach at maximum lift height	m	0.87	0.48	2.43	0.87	0.48	0.92
Maximum forward reach	m	3.33	3.72	6.55	3.34	3.73	4.48
Reach with 1 tonne load	m	3.33	3.72	5.09	3.34	3.73	4.48
Placing height	m	5.42	6.3	8.78	5.42	6.3	6.64
Tear out force	daN	4570	3980	4470	4570	4400	6650

Complies with stability test: ISO 22915-14:2010.

ENGINE				
Manufacturer		JCB		
Model		DieselMAX		
Emissions level		Euro Stage V		
After treatment		DOC, SCR, DPF		
Aspiration		Turbocharged cooled		
Power rating				
Power @ 2200rpm	hp (kW)	109 (81)	130 (97)	150 (112)
Torque rating				
Torque @ 1500rpm	Nm	516	550	600
Specification				
Displacement	ltr	4.8	4.8	4.8
No. of cylinders		4	4	4
Bore size	mm	106	106	106
Stroke	mm	135	135	135

HYDRAULICS							
Model		532-60	532-70	536-95	538-60	542-70	560-80
Operating system pressure	bar	240	250	240	260	260	260
Main hydraulics	l/min	140	140	140	140	140	140
Pump type		Variable Displacement					
Hydraulic cycle times							
Lift	seconds	4.2	4.5	6	6.1	5.2	7.4
Lower	seconds	4.7	6.6	6.9	6.8	5.7	7.9
Extend	seconds	6.1	6.7	9.1	6	6.6	8.1
Retract	seconds	4.4	5	11.3	4.6	5	7.1
Bucket dump	seconds	2.3	2.7	1.9	2.7	2.8	2.6
Bucket crowd	seconds	2.1	2.3	2.3	2.1	2.2	2.8

\*Cycle times may vary on machine specification.

SERVICE CAPACITIES		
Fuel tank	litres	169
Def tank	litres	20.8
Screenwash tank	litres	6.2
Hydraulic tank	litres	113
Coolant	litres	28
Engine oil sump	litres	15

ELECTRICAL SYSTEM		
System voltage	Volt	12
Alternator	Amp/hour	150
Battery capacity	Amp/hour	180

NOISE AND VIBRATION				
		Level	Uncertainty	Measurement conditions
A-weighted emission sound pressure level at Operator's position (LpA)	dB(A)	69	+/- 1	Determined in accordance with the test method and calculations defined in EN 12053:2001
Exterior sound (Stationary)	dB(A)	73	+/- 1	Determined in accordance with the test method defined in 2015/96 (Annex III)
Exterior sound (Moving)	dB(A)	84	+/- 1	
Whole body vibration	m/s²	0.48	50%	Determined in accordance with the test method defined in ISO 2631-1:1997. (Machine operating duty: Loader work (stone)) and accordance with EN 12096: 1997.
Hand-arm vibration	m/s²	<2.5	N/A	Determined in accordance with the test method defined in ISO 5349-2: 2001



STANDARD MACHINE FEATURES		
Transmission	TorqueLock 4	<p><b>JCB Powershift transmission</b> incorporating torque converter, bevel box and a 4 speed Powershift gearbox with TorqueLock in 4th gear in one resiliently mounted unit.</p> <p>Operating modes: Manual gear shift incorporated onto the single lever joystick with 4 forward and 4 reverse Powershift gears.</p> <p>Travel speed: 40kph</p> <p>Electrical 2/4 wheel drive disconnect.</p> <p>Switchable transmission disconnect on brake pedal.</p>
	Powershift- 4	<p><b>JCB Powershift transmission</b> incorporating torque converter, bevel box and a 4 speed Powershift gearbox in one resiliently mounted unit.</p> <p>Operating modes: Manual gear shift incorporated onto the single lever joystick with 4 forward and 4 reverse Powershift gears.</p> <p>Travel speed: 40kph (33/37kph for 560-80 (tyre dependant)).</p> <p>Electrical 2/4 wheel drive disconnect.</p> <p>Switchable transmission disconnect on brake pedal.</p>
	Autoshift - 6	<p><b>JCB Autoshift transmission</b> incorporating torque converter, bevel box and 6-speed powershift gearbox with TorqueLock in 5th and 6th gear in one resiliently mounted unit.</p> <p>Operating modes: Manual and Auto gear shifts incorporated onto the single lever joystick with 6 forward and 4 reverse Powershift gears.</p> <p>Travel speed 40kph.</p> <p>Electrical 2/4 wheel drive disconnect.</p> <p>Auto selection between 4th and 6th gear in Auto mode.</p> <p>Switchable transmission disconnect on brake pedal.</p>
	DualTech VT	<p><b>JCB DualTech Variable Transmission</b> incorporating bevel box, combining hydrostatic and 3 speed direct drive mechanical Powershift gearbox with Flexi mode in one resiliently mounted unit.</p> <p>Operating modes: Flexi mode, Manual and Auto Drive (D), gear shift incorporated onto the single lever joystick with 1 forward and 1 reverse hydrostatic and 3 forward Powershift gears.</p> <p>Travel speed 40kph.</p> <p>Auto 2/4 wheel drive disconnect</p> <p>Auto selection when in Drive (D) mode.</p> <p>Permanent inching function on the brakes pedal.</p>
Axles	Powershift	<p><b>Front and rear drive:</b> JCB epicyclic hub reduction drive/steer axles with Max-Trac torque proportioning differentials. (LSD option).</p> <p>When 2WD front axle drive.</p>
	DualTech VT	<p><b>Front and rear drive:</b> JCB epicyclic hub reduction drive/steer axles with <b>Front:</b> Limited Slip Differential (LSD) (Maxtrac option) and <b>Rear:</b> Max-Trac torque proportioning differential.</p> <p>When 2WD rear axle drive.</p>
Brakes		<p><b>Service brakes:</b> Hydraulically powered, self-adjusting, oil-immersed in-board high back-off multi-disc type on front axle.</p> <p><b>Parking brake:</b> SAHR (Spring Applied Hydraulic Release) park brake.</p> <p><b>Trailer brakes:</b> Twin line hydraulic trailer brakes and Electronically controlled Braking System (EBS). Twin line pneumatic trailer brakes and Antilock Braking System (ABS).</p>
Steering		Hydrostatic power steering with power track rods on both axles, 3x steering modes: two wheel steer, four wheel steer, crab steer.

STANDARD MACHINE FEATURES (CONTINUED)	
Hydraulic controls	Single lever servo joystick with proportional service control and adjustable constant flow facility. Incorporating forward/neutral/reverse drive direction selection.
Cab	<p>Quiet, safe and comfortable cab conforms to ROPS ISO 3471 and FOPS ISO 3449.</p> <p>Tinted glass all round with laminated single piece curved front and roof screen.</p> <p>Roof bars, front, rear and roof screen wash/wipe and heater/screen demister.</p> <p>Opening rear window. Split stable door with glass lower and upper.</p> <p>Single integrated front and roof screen blind.</p> <p>Audio-visual warning system for: coolant temperature, water in fuel, engine oil pressure, air cleaner, battery charge, transmission oil temperature and pressure.</p> <p>Hourmeter and road speed indicator.</p> <p>Engine temperature, diesel gauge, AdBlue/DEF gauge.</p> <p>Adjustable steer column with stalk bar forward reverse drive selection shuttle.</p> <p>Automatic eye level audio-visual Longitudinal Load Moment Indicator (LLMI) 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.</p>

Complies as a European type approved vehicle as a T1 tractor.  
(Some options are territory dependant).





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Gross power: 81kW/109hp – 112kW/150hp Lift capacity: 3,200kg – 6,000kg Lift height: 6.2m – 9.5m

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