

NEW

435S | WHEELED LOADING SHOVEL



435S Wheeled Loading Shovel

Operating weight: 13,688kg Gross rated power: 230hp (171kW) Full turn tipping load: 7,972kg Standard shovel capacity: 2.4m³



CLEANER, QUIETER AND **MORE EFFICIENT**

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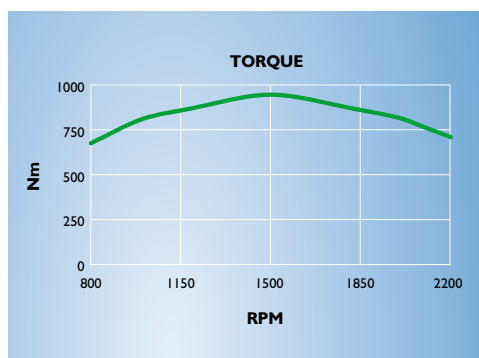
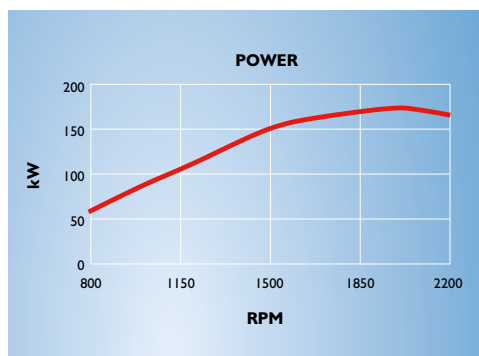
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UNBEATABLE PERFORMANCE

THE 435S CAN PERFORM GREAT FEATS OF PRODUCTIVITY. DELIVERING A MASSIVE 230HP, AND WEIGHING UNDER 14 TONNES, THE MACHINE HAS A HUGE POWER-TO-WEIGHT RATIO OF 16.8HP/TONNE FOR ULTIMATE PUSHING, CLIMBING AND ROADING PERFORMANCE.



Engine productivity

1 The Cummins QSB 6.7 litre engine produces a huge 230 horsepower, with a peak engine torque of 945Nm at only 1500rpm for excellent response. The engine is Tier4i/stage 3b emissions compliant using a Diesel Particulate Filter and oxidation catalyst.

A variable geometry turbocharger provides increased performance at low engine speed for improved cycle times and tractive effort.

Loading productivity

2 JCB's optional quickhitch makes attachment changing quick and efficient. The quickhitch is designed to be compatible with aftermarket attachments too.

3 Powerful twin variable displacement piston pump hydraulics can circulate a massive 264 l/min for fast cycles and excellent multi function capability.



Loading productivity (continued)

4 The high torque (HT) arm design on the 435S gives great visibility to the loader end, as well as offering parallel lift, making it ideal for multi-attachment use.

Constant torque throughout the full carriage rotation provides excellent power and attachment control.

5 Choose a HT high lift on the 435S and you can use the machine for higher loading height applications (hopper, trailer and spreader loading).

Drivetrain productivity

6 The unique 6-speed transmission with torque converter lock-up in every gear provides closer gear ratios for better acceleration, hill climbing and roading performance. The lock-up element eliminates losses from the torque converter for faster cycle times and improved efficiency.

7 The innovative electronic management can perform progressive clutch cut-off for efficient, productive loader control. This feature controls tractive effort via the transmission, diverting maximum power to the loader hydraulics and reducing service brake wear and fuel consumption.

8 With a choice of axle options you can tailor a 435S to any application.

- Open differentials are ideal for hard standing ground conditions.
- Limited slip differential is perfect for soft, muddy terrain with reduced traction.
- Open differentials with an automatic locking front axle differential provide excellent traction in varied ground conditions – ideal for straight line pushing.



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High Torque (HT)

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HT High Lift



EFFICIENT BY DESIGN

THE JCB 435S IS DESIGNED TO MOVE MORE MATERIAL FOR LESS. TO ACHIEVE THIS, WE'VE DESIGNED THE ENGINE, AXLES, DRIVELINE AND HYDRAULICS TO WORK IN HARMONY WITH EACH OTHER, FOR ULTIMATE EFFICIENCY.

Our engine idle shutdown turns the 435S off after a programmable amount of time.

An efficient engine

- 1 Automatic idle returns the engine to 700rpm after 30 seconds of inactivity.
- 2 Eco mode limits engine speed to 1800rpm for reduced fuel consumption. Productivity remains formidable.

An efficient driveline

- 3 Our torque lock-up 6-speed transmission option gives 100% efficiency in all gears for improved fuel consumption. Closer gear ratios provide lower engine speed in each gear.
- 4 Wheel speed braking means the brakes rotate at the same speed as the wheels for heat and drag reduction, as well as improved fuel economy.



An efficient hydraulic system

5 A hydraulic cooling fan automatically reacts to ambient temperature and adjusts the fan speed to optimise cooling and reduce fuel consumption. This also lowers noise.

6 Unloaded spool valves in the valve block mean that arms lower under gravitational, not hydraulic force, reducing fuel consumption.

JCB's innovative variable displacement pumps feed a load-sensing valve block which only consumes power on demand, providing precise, efficient loader control.



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A QUALITY PROCESS

We use state-of-the-art manufacturing processes like robot machining, precision paint technology and innovative assembly techniques to achieve the very highest levels of quality.

WE KNOW THAT A WHEELED LOADING SHOVEL IS A KEY PART OF THE FARM'S PROCESS. THAT'S WHY THE JCB 435S IS BUILT ON A FOUNDATION OF QUALITY AND RELIABILITY. THE PROCESSES WE'VE USED TO DESIGN AND MANUFACTURE THEM WILL SAFEGUARD YOUR WORKING PROCESS, HOUR AFTER HOUR, DAY AFTER DAY.

Quality built in

- 1 Finite element analysis and rig testing ensure superior structural strength and durability. Cold cell testing guarantees starting performance down to -20°C.
- 2 Precision machining provides high tolerances and accurate location of pins and bushes.
- 3 The 435S has been purpose built to meet the high demands of agricultural applications.



The articulation joint has a heavy-duty centre pin and oversized bush, as well as twin taper roller bearings on the bottom box joints. This can tolerate both vertical and horizontal loadings for durability and rigidity.

Well articulated

4 The articulation joint has a heavy-duty box section – much stronger than a single plate with a boss. Steering rams are positioned high up and well protected from possible impact and damage.

5 Hoses are neatly routed and clamped through the articulation joint, well away from any pinch points.

Protecting ancillaries

6 Recessed rear lights are protected within the solid counterweight casting.

7 The rear counterweight and cast quarter pillars protect the cooling pack and the back end of the machine from damage.



COMFORTABLY SUPERIOR

KEEPING OPERATORS FRESH AND ALERT ALL DAY LONG RESULTS IN INCREASED SAFETY AND PRODUCTIVITY. WITH THAT IN MIND, THE 3M³ CAB IS ROOMY, EASY TO ACCESS, AND QUIET. IT ALSO HAS EXCELLENT VISIBILITY AND INTUITIVE TO USE ERGONOMIC CONTROLS.

In control

1 A tilting and telescopic steering column provides easy adjustment for maximum comfort.



2 A range of loader controls; multi-lever, joystick, or joystick with proportional auxiliary controls.



3 A stylish, modern central dash display combines analogue dials and a colour LCD screen – this can display machine health details, service requirements, operating information and more.

The 435S has a range of seat options: mechanical or air suspension, vinyl or fabric bases, or even our Actimo XXL option. It's heated with air suspension, lumbar support, armrests, backrest extension and a headrest, all with full adjustment.





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A comfortable environment

4 The 435S has air conditioning and automatic climate control options to create perfect working temperatures.

Exterior comforts

5 3 or 4 spool hydraulics and a quickhitch enable many attachments to be used easily for extra versatility.

6 The selectable loader arm detents mean operators can set loader arm height limitations, return to dig and float functions for improved safety and productivity.

7 JCB Smoothride load suspension limits shock loadings and therefore reduces material spillage and structural stress, as well as increasing operator comfort.

8 A 3-piece laminated front screen provides excellent visibility while interior mirrors, heated exterior mirrors, an optional reverse camera and a sloping rear bonnet give good rearward views.



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LOW MAINTENANCE LONG INTERVALS

A WHEELED LOADING SHOVEL NEEDS TO SPEND THE MAXIMUM AMOUNT OF TIME HARD AT WORK. WE'VE DESIGNED THE 435S TO DO JUST THAT, WITH LONG SERVICE INTERVALS AND QUALITY COMPONENTS.

Access all areas

- 1** Gain access to the engine bay and cooling pack areas easily with wide-opening gullwing doors.
- 2** The 435 has a large single faced cooling package for unrivalled quick, easy and safe cleaning.
- 3** Ground level daily check and grease point access makes life easier and safer.

Looking after itself

- 4** An electronic monitoring system relays machine condition giving real time alerts, safeguarding the machine and operator.
- 5** With the optional auto lubrication kit your machine will take care of its own greasing requirements.
- 6** The standard widecore cooling pack and optional reversing fan will ensure cooling efficiency in environments with large amounts of airborne debris.



Green = standard operation Blue = reverse operation

Quality built in

7 By using top components in the 435S (Cummins engine, ZF transmissions and axles, Rexroth pumps and Parker valve blocks), we've built in long service life as standard.

8 Full hydraulic dual circuit braking with multiple oil immersed disks gives the braking system a virtually maintenance-free lifespan.

9 Check brake, steering and hydraulic system pressures easily on a 435S with group test ports.



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DRIVE SAFELY

THE 435S IS DESIGNED TO KEEP THE OPERATOR SAFE AT ALL TIMES. GREAT VISIBILITY, NON-SLIP SURFACES AND AIR FILTRATION IS JUST THE START.

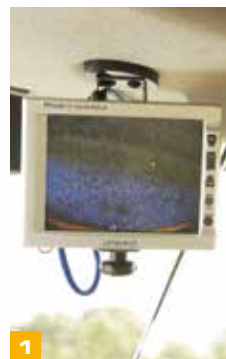
Safety first

1 Our optional rear-view camera displays an unobstructed rear view on an in-cab colour monitor.

2 Access steps are inclined and equally spaced, complemented by well positioned grab handles for three points of contact at all times.

3 The 435 has interior mirrors, heated exterior mirrors and bonnet mirrors for superb all round visibility.

4 The cab is isolator-mounted, compliant with ROPS/FOPS standards, and positively pressurised against dust. You can choose from fresh air, carbon and P3 – HEPA recirculation filters as well.

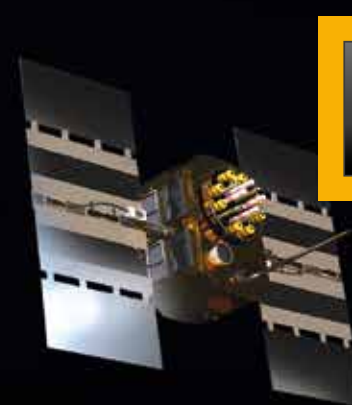
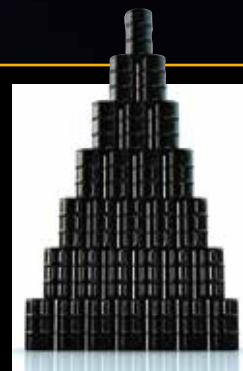


LIVELINK, WORK SMARTER

LIVELINK IS AN INNOVATIVE SOFTWARE SYSTEM THAT LETS YOU MANAGE JCB MACHINES REMOTELY – ONLINE, BY EMAIL OR BY MOBILE PHONE. ACCESS EVERYTHING FROM MACHINE ALERTS TO FUEL REPORTS AND HISTORY INFORMATION, WITH ALL DATA STORED AT A SECURE CENTRE.

Productivity and cost benefits

By providing information like idle time monitoring and machine fuel consumption, JCB Livelink helps reduce your fuel usage, saving money and improving productivity. Machine location information can help improve efficiency and perhaps even reduce insurance costs.



Maintenance benefits

Manage machine maintenance easily – accurate hours monitoring and service alerts improve maintenance planning, while real-time location data helps you manage your fleet. Critical machine alerts and maintenance history records are also available.



Security benefits

Livelink's real-time geofencing alerts tell you when machines move out of predetermined zones, and real-time curfew alerts inform you of unauthorised usage. Further benefits include real-time location information, advanced ECU matching (pairs Livelink with the immobiliser or ECU), and PIN code management (to remotely authorise usage – perfect for plant hire).



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.



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



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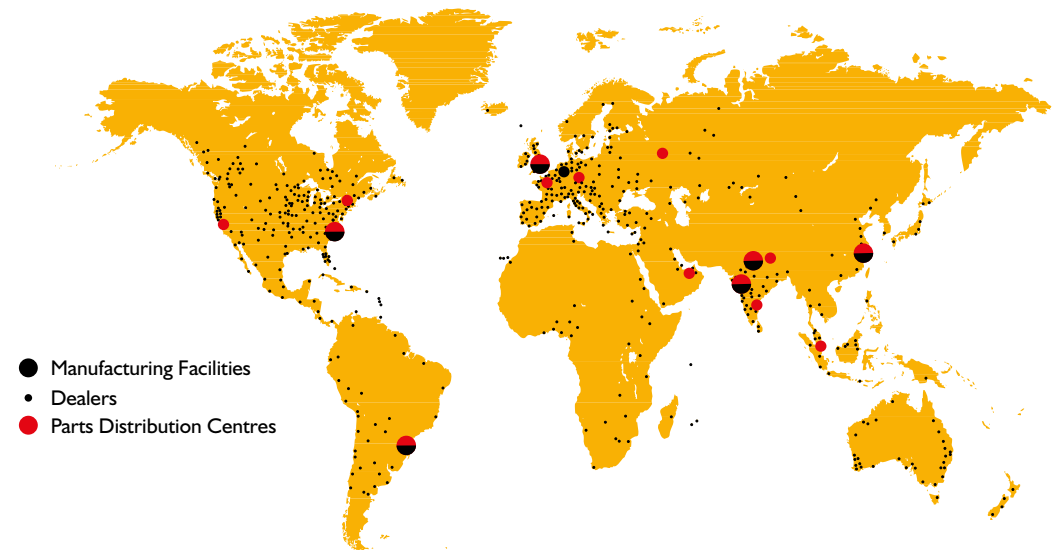
2 The global network of JCB Parts Centres is another model of efficiency; with 15 regional bases, we can deliver around 95% of all parts anywhere in the world within 24 hours. Our genuine JCB parts are designed to work in perfect harmony with your machine for optimum performance and productivity.



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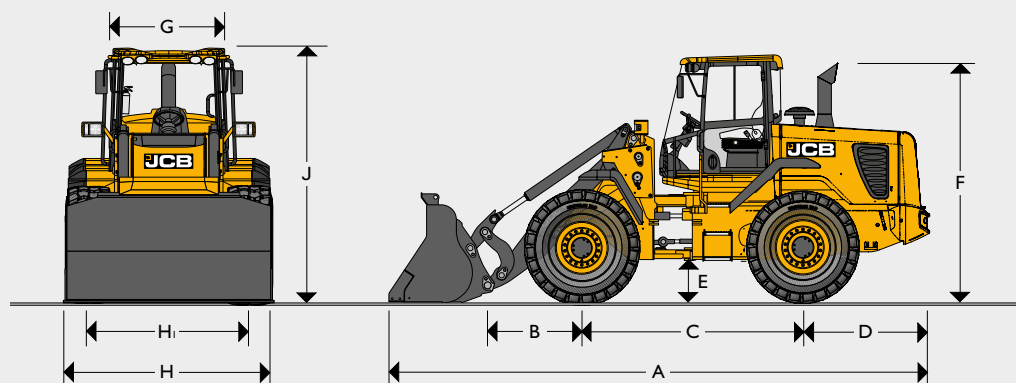
3 JCB Assetcare offers comprehensive extended warranties and service agreements, as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our Maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.

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



STATIC DIMENSIONS – HT (HIGH-TORQUE)

Max. engine power: 171 kW (230hp) Max. operating weight: 14765kg Standard shovel capacity 2.4m³



		435S	435S HL
A	Overall length	mm	6831
B	Axle to pivot pin	mm	1096
C	Wheel base	mm	3000
D	Axle to counterweight face	mm	1816
E	Minimum ground clearance	mm	494
F	Height over exhaust	mm	3236
G	Width over cab	mm	1400
H	Width over tyres	mm	2740
H ₁	Wheel track	mm	2152
J	Height over cab	mm	3387
	Pin height (maximum)	mm	3958
	Overall operating height	mm	5147
	Front axle weight	kg	6430
	Rear axle weight	kg	7258
	Total weight	kg	13688
	Inside radius	mm	2791
	Maximum radius over shovel	mm	5790
	Articulation angle	degrees	± 40°

435S data based on machine equipped with quickhitch mounted 1.9m³ bucket with bolt-on toeplates and 620/75 R26 Mega XBIB tyres.

ENGINE

6-cylinder, charge air cooled, variable geometry turbocharged, electronically controlled high pressure common rail injection, cooled exhaust gas recirculation diesel particulate filter and diesel oxidation catalyst. A remote sump oil drain facility simplifies servicing.

Type	4 stroke direct injection	
Model	QSB6.7	
Capacity	litres	6.7
Aspiration	Turbo charged	
Cylinders	6	
Max gross power to SAE J1995/ISO 14396	kW (hp) @ 1600rpm	172 (230)
Rated gross power to SAE J1995/ISO 14396	kW (hp) @ 2100rpm	164 (220)
Nett power to SAE J1349/EEC 80/1269	kW (hp) @ 2100rpm	154 (206)
Max torque	Nm @ 1500rpm	945
Emissions:- US EPA Tier 4i, EU Stage IIIB		

TRANSMISSION

4 wheel drive, automatic smooth shift transmission electrically operated selector and gear change incorporating a speed inhibitor and modulation for smooth, responsive on-the-move direction and ratio changes. Single stage integral torque converter with lock-up in every gear. 6 forward and 3 reverse gears.

Gearbox options

	435S
Gear	(6WG210) 6 Speed + LUC
1	5.82
2	9.03
3	14.45
4	22.13
5	34.25
6	40 (48*)

*48kph available where local homologation allows

AXLES

Type	Open, limited slip or automatic differential locking	
Make & model	Standard	ZF MT-L3085 II (front) ZF MT-L3075 II (rear)
Overall axle ratio	21.53:1	
Rear axle oscillation	21°	
Weight	Front axle	1080 kg
	Rear axle	815 kg

Bias Ratio: Open differential – 12%, limited slip differential – 30%, open differential with locking front- 100%

STEERING

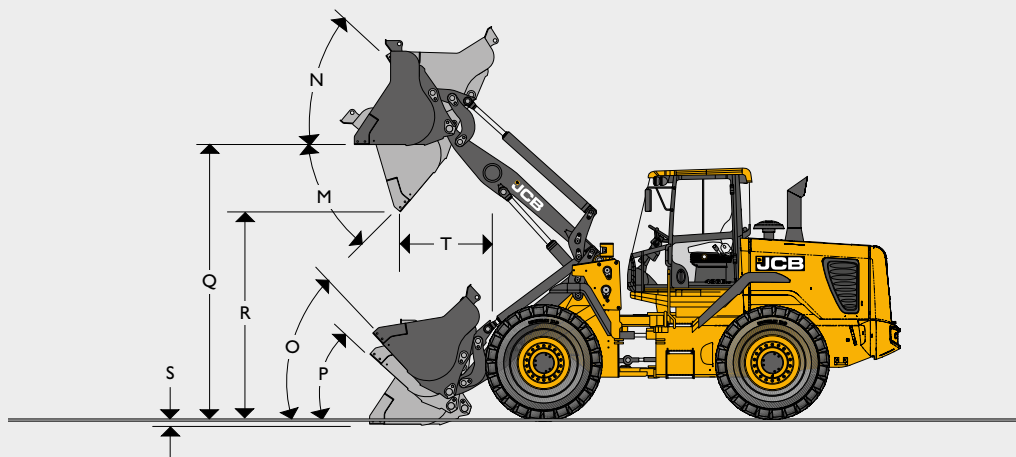
Priority steer hydraulic system with emergency steering. Piston pump meters flow through steer valve @ 190 bar (2756 psi) to provide smooth low effort response. Steering angle ± 40°. Steer rams located high in the chassis fabrication to provide protection from damage. Adjustable steering column.

BRAKES

Hydraulic power braking on all wheels, operating pressure 60 bar (870psi). Dual circuit with accumulator back-up provide maximum safety under all conditions. Hub mounted, oil immersed, multi-plate disc brakes with organic brake linings are environmentally acceptable. Also available with sintered-linings for increased wear resistance, recommended in re-handling duties with extensive forward/reverse shuttling. Parking brake, mechanical type operating on transmission output shaft.

TYRES

620/75 R26 MEGAXBIB, 620/75 R26 DT824, 750/65 R26 MEGAXBIB, 750/65 R26 DT824.

**ELECTRICAL SYSTEM**

24 volt negative ground system, 70 Amp alternator with 2 x 110 Amp hour low maintenance batteries. Isolator located in rear of machine. Ignition key start/stop and pre-heat cold start. Primary fuse box. Other electrical equipment includes quartz halogen, twin filament working lights, front/rear wash/wipe, heated rear screen, full road going lights, clock, gauge and warning light monitoring. Connectors to IP67 standard.

System voltage	Volt	24
Alternator output	Amp hour	70
Battery capacity	Amp hour	2 x 110

TYRE SIZE

				Standard Arms		Hi Lift Arms		Changes to dimensions	
Tyre size	Manufacturer	Type	Op weight kg	STL kg	FTTL kg	STL kg	FTTL kg	Vertical mm	Width mm
750/75 R26	Michelin	XBIB	272	183	161	154	136	10	218
620/75 R26	Goodyear	DT824	148	100	88	84	74	-6	24
750/75 R26	Goodyear	DT820	384	259	228	218	192	16	254
Extra counterweight	-	-	380	707	598	596	504	0	0
Heavy-duty counterweight	-	-	890	1608	1323	1356	1115	0	0

LOADER DIMENSIONS

Assumes machine is fitted with 20.5 R25 Michelin XHA2 tyres.

Model			435S - STANDARD HEIGHT ARM												435S - HI LIFT ARM												
Bucket mounting			Direct						Quickhitch						Direct						Quickhitch						
Bucket type			General purpose												General purpose												
Bucket equipment			Tipped teeth		Reversible toeplate				Tipped teeth		Reversible toeplate				Tipped teeth		Reversible toeplate				Tipped teeth		Reversible toeplate				
Bucket capacity (SAE heaped)			m³	1.8	2	1.9	2.1	2.4	2.7	1.8	2	1.9	2.1	2.4	2.7	1.8	2	1.9	2.1	2.4	2.7	1.8	2	1.9	2.1	2.4	2.7
Bucket capacity (Sstruck)			m³	1.6	1.8	1.6	1.8	2.1	2.3	1.6	1.8	1.6	1.8	2.1	2.3	1.6	1.8	1.6	1.8	2.1	2.3	1.6	1.8	1.6	1.8	2.1	2.3
Bucket width			mm	2550	2550	2550	2550	2700	2700	2550	2550	2550	2550	2700	2700	2550	2550	2550	2550	2700	2700	2550	2550	2550	2550	2700	2700
Bucket weight			kg	810	850	810	850	1136	1121	810	850	810	850	1136	1121	810	850	810	850	1136	1121	810	850	810	850	1136	1121
Maximum material density			kg/m³	2374	2116	2249	2015	1706	1497	2214	1972	2098	1878	1592	1395	1974	1758	1870	1675	1409	1235	1838	1636	1741	1558	1312	1149
Tipping load straight			kg	9751	9662	9751	9662	9384	9276	9134	9043	9134	9043	8794	8678	8133	8058	8133	8058	7785	7691	7613	7537	7613	7537	7291	7190
Tipping load full turn			kg	8546	8462	8546	8462	8187	8083	7972	7888	7972	7888	7640	7531	7105	7033	7105	7033	6762	6670	6617	6544	6617	6544	6300	6205
Payload			kg	4273	4231	4273	4231	4093	4041	3986	3944	3986	3944	3820	3766	3552	3517	3552	3517	3381	3335	3308	3272	3308	3272	3150	3102
Maximum breakout force			kN	138	128	138	128	123	115	121	113	121	113	106	99	138	128	138	128	123	115	121	113	121	113	106	99
M	Dump angle maximum	degrees	49°	49°	49°	49°	49°	49°	49°	49°	49°	49°	49°	49°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	45°	
N	Roll back angle full height	degrees	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	58°	
O	Roll back at carry	degrees	48°	48°	48°	48°	48°	48°	48°	48°	48°	48°	48°	48°	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°	50°	
P	Roll back and ground level	degrees	43°	43°	43°	43°	43°	43°	43°	43°	43°	43°	43°	43°	48°	48°	48°	48°	48°	48°	48°	48°	48°	48°	48°	48°	
Q	Load over height	mm	3627	3627	3612	3612	3610	3610	3627	3627	3612	3612	3610	3610	4057	4057	4042	4042	4040	4040	4057	4057	4042	4042	4040	4040	
R	Dump height (45° dump)	mm	2817	2767	2944	2896	2860	2796	2697	2647	2848	2775	2739	2676	3247	3197	3374	3326	3290	3226	3212	3127	3278	3205	3169	3106	
S	Dig depth	mm	50	50	47	47	47	47	50	50	47	47	47	47	113	113	110	110	110	110	113	113	110	110	110	110	
T	Reach at dump height	mm	1071	1121	946	996	1028	1092	1191	1240	1052	1118	1149	1213	1233	1283	1108	1158	1190	1254	1244	1253	1214	1280	1311	1375	
Reach maximum (45° dump) - horizontal arm			mm	1818	1868	1693	1743	1775	1839	1938	1987	1800	1865	1896	1960	2166	2216	2041	2091	2123	2187	2177	2286	2148	2213	2244	2308
Operating weight (includes 80kg operator and full fuel tank)			kg	13122	13166	13122	13166	13426	13489	13407	13451	13451	13451	13688	13750	13375	13419	13375	13419	13679	13742	13660	13704	13704	13704	13941	14003

LOADER

Widely spaced four ram geometry provides the combination of excellent visibility with high bucket torque characteristics throughout the working arc. The pin, bush and sealing design on all pivot points provide extended maintenance intervals.

LOADER HYDRAULICS

Twin variable displacement piston pumps feed a "load sensing" system providing a fuel efficient and responsive distribution of power as required. Main services are servo actuated from a single lever (joystick) loader control or separate multi-levers. Auxiliary circuits (3 or 4) controlled via additional lever next to joystick, joystick mounted proportional buttons or additional multi lever with column mounted changeover switch. Accumulator back-up is available to control loader in the event of loss of pump pressure.

Pump type			Twin variable displacement piston pumps		
Pump 1 max. flow		l/min	132		
Pump 1 max. pressure		bar	250		
Pump 2 max. flow		l/min	132		
Pump 2 max. pressure		bar	160		
Hydraulic cycle times at full engine revs			Seconds		
Arms raise (full bucket)			4.7		
Bucket dump (full bucket)			1.8		
Arms lower (empty bucket)			2.8		
Total cycle			9.3		
Ram dimensions		Bore	Rod	Closed centres	Stroke
Bucket ram x2	mm	100	60	1600	1055
Lift ram x2	mm	110	60	1260	820
Steer ram x2	mm	80	50	621	312

CAB	Resiliently mounted ROPS/FOPS structure (tested in accordance with EN3471:2008/EN3449: 2008 (Level 2). Entry/exit is via a large rear hinged door, grab handles giving 3 points of contact and anti-slip inclined steps. Forward visibility through a curved, laminated windscreen with lower glazed quarter panels, two interior mirror and heated exterior mirrors. Instrumentation analogue/digital display gauges along with full colour LCD screen including selectable machine and operator menus along with service and diagnostic screens. Heating/ventilation provides balanced and filtered air distribution throughout the cab via a powerful 8kW capacity heater, with air conditioning and climate control system as options. Provision of speakers and antenna for radio fitment (radio/CD not included). The cab environment is positively pressurised preventing the ingress of dust including in-cab recirculation filter. Fabric mechanical suspension seat as standard with various options including vinyl material, air suspension, heating and deluxe Grammer Actimo XXL air suspension seat with headrest, twin armrests, lumbar support, backrest extension, heating and full adjustment. Coat hook, cup holder and additional stowage space. Fuse box positioned at rear for access to fuses, relays and diagnostic connectors. In-cab noise level -70db(A).
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SERVICE FILL CAPACITIES

Hydraulic system	litres	210
Fuel tank	litres	230
Engine oil sump	litres	18
Transmission oil system	litres	36
Axle oil (front)	litres	35
Axle oil (rear)	litres	23
Engine coolant system	litres	35

STANDARD EQUIPMENT

Loader: Bucket reset mechanism, loader arm kickout mechanism, loader control isolator, high torque true parallel lift geometry combines with excellent visibility between the arms.

Engine: Engine: Powercore air cleaner with scavenge system, silencer and exhaust stack with diesel particulate filter and diesel oxidation catalyst, sedimenter, twin bowl fuel filters, fan guards. Isolated cooling package with hydraulically driven low speed cooling fan. Low idle speed of 700rpm, engine idle shutdown timer: ECO (Economy) mode.

Transmission: Single lever column shift control, speed inhibitor, neutral start, progressive intelligent clutch cut-off, direction changes and kickdown on column lever and loader controls.

Axles: Epicyclic wheel hub reduction, fixed front, oscillating rear.

Brakes: Multi-plate "oil-immersed" wet disc brakes, wheel speed braking, organic linings.

Hydraulics: Piston pumps with priority steer, emergency steer back-up, 2 spool loader circuit with accumulator support, 3rd spool auxiliary hydraulic circuit as standard. Hydraulic tank located in the rear chassis fabrication.

Steering: Adjustable steering column, "soft feel" steering wheel 5 turns lock to lock, resilient stops on max lock.

Cab: ROPS/FOPS safety structure, interior reading light, centre mounted master warning light. Electronic monitoring panel with LCD message display. Two speed intermittent front windscreen wipe/wash and self park, single speed rear windscreen wipe/wash and self park. 3 speed heater/demisting with replaceable air filter, LH and RH opening windows, sun visor, internal rear view mirror, external mirrors, adjustable suspension seat with belt and headrest, operator storage facilities, laminated windscreen, heated rear screen, loader control isolator, horn, adjustable armrest.

Electrical: Road lights front and rear, parking lights, front and rear working lights, reverse alarm and light, rear fog light, battery isolator, radio wiring and speakers, 70 amp alternator, rotating beacon.

Bodywork: Front and rear fenders, side and rear access panels, flexible bottom step, full width rear counterweight, recovery lugs, lifting lugs.

OPTIONAL EQUIPMENT

Air conditioning, automatic temperature control option, Open, limited slip differentials front/rear, or automatic differential locking axles, Turbo 2 pre-cleaner, tooth guard, replaceable bucket wearparts, epoxy coated radiator/coolers, automatically reversing cooling fan, smooth ride system (SRS), hydraulic quickhitch, full rear fenders, reversing camera (colour), additional front and rear worklights, auto greasing system, joystick or multi-lever hydraulic controls, auxiliary hydraulic control on separate lever or joystick mounted (proportional), smart reverse alarm, white noise (BBS) reverse alarm, parallel lift links (recommended for pallet forks), Livelink telematics, sealed electrics, grease gun and cartridge, belly guard kit, ARV kit, safety strut, non-heated mirrors, 24V to 12V in cab converter, cab screen guards, additional front and rear work lights, vinyl seat, air suspension seat with or without heating, Grammer Actimo XXL deluxe seat, extra counterweight, light guards, front and rear blinds, engine block heater, biodegradable hydraulic oil, cab filtration options, fire extinguisher, number plate light kit, auxiliary 4th spool hydraulic service, high lift arms, rear fender grab rails, red and white chevrons, rear hinged guard protection.



435S Wheeled Loading Shovel

Operating weight: 13688kg

Max. Engine power: 230hp (171kW)

Full turn tipping load: 7972kg

Standard shovel capacity: 2.4m³

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