

### **WHEEL LOADER** | 427/437

427 – Gross engine power: I23kW (165hp) Operating weight: I4,418kg Full turn tipping load: 8,603kg Standard shovel capacity: 2.4m³ 437 – Gross engine power: I45kW (195hp) Operating weight: I5,781kg Full turn tipping load: 9,625kg Standard shovel capacity: 2.7m³

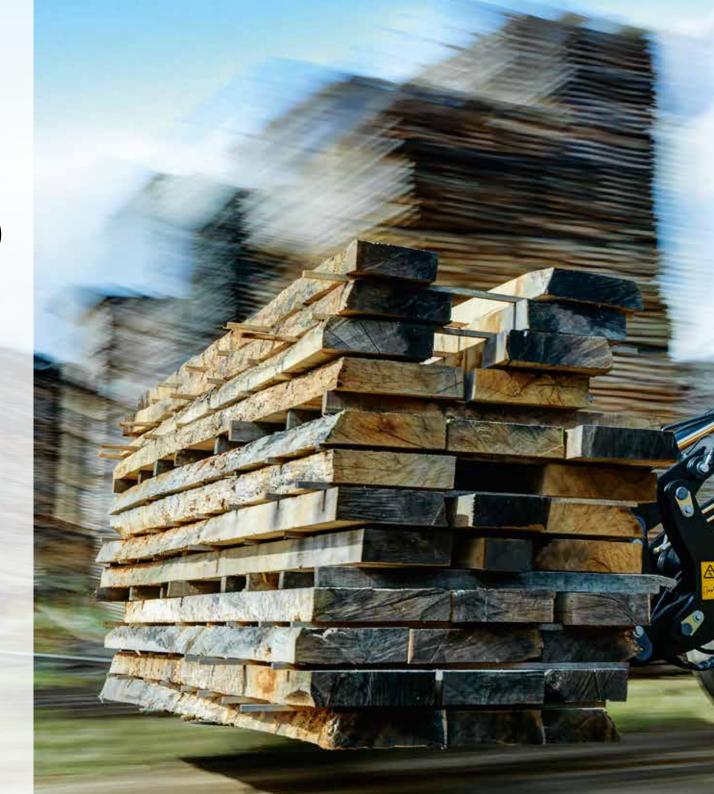


# FULLY LOADED

The new JCB 427 and 437 Stage V wheel loaders are fully loaded with new and innovative features. A 6% more powerful, efficient and clean Stage V Cummins engine. Improved fuel efficiency with new auto engine shutdown feature.

Unique 5-speed gearbox as standard with optional torque converter lock-up and one of the most comfortable and operator friendly cabs on the market with 2 new power models for greater versatility.

With 50 years of proven wheel loader production, we're confident you'll be fully impressed with our latest models.







## **FULLY TESTED.**

THE NEW JCB 427 AND 437 HAVE BEEN BUILT USING ONLY THE MOST ADVANCED PRODUCTION TECHNIQUES AND PREMIUM COMPONENTRY FOR SUPERIOR STRUCTURAL STRENGTH. THEY'VE BEEN TESTED TO THE LIMITS ON SITES ALL OVER THE WORLD TO MAKE SURE THAT, WHEREVER YOU'RE OPERATING, YOU'LL MAINTAIN TOTAL PRODUCTIVITY AT ALL TIMES.

- 1 Your new JCB 427 or 437 will have benefitted from finite element analysis and rig testing of up to I million cycles, to ensure superior structural strength and durability. For further peace of mind, cold cell testing guarantees starting performance down to -20°C.
- High tolerances and accurate location of pins and bushes are guaranteed with JCB's precision machining techniques.
- You can specify a 427 or 437 for heavy-duty applications like waste or corrosive material handling.
- △ State-of-the-art manufacturing processes like robot machining, precision paint technology and innovative assembly techniques help achieve the very highest levels of build quality.









#### Designed to last.

- A solid cast counterweight protects the rear of your 427 and 437, including the rear lights and cooling pack, from damage.
- Hoses are neatly routed and clamped through the articulation joint, away from any pinch points.
- 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 enables it to tolerate both vertical and horizontal loadings for greater durability and rigidity.
- New rear grille, cooling pack sealing and mudguard fitment for greater overall quality.









## **FULLY PRODUCTIVE.**

TIME IS OF THE ESSENCE ON ANY WORKSITE SO THE NEW JCB 427 AND 437 ARE DESIGNED TO PROVIDE THE FASTEST CYCLE TIMES IN THE BUSINESS. POWERFUL TWIN HYDRAULIC PUMPS, A LOAD SENSING VALVE BLOCK AND 5-SPEED TRANSMISSION AS STANDARD WITH OPTIONAL TORQUE LOCK-UP, PROVIDE SPEED, ACCURACY AND PRODUCTIVITY IN ABUNDANCE.

#### Powering it all.

1 The Stage V Cummins B6.7-litre engine fitted to the new JCB wheel loaders produces impressive performance with a substantial 145kW (195hp) of power in the 437 up on our previous model and 881Nm of torque. Meanwhile the 427 delivers 123kW (165hp) with 746Nm of torque. What's more, it produces all of this at low revs for an incredibly responsive operating experience.

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

#### Loading productivity.

- Choose the optional JCB Quickhitch and you'll find attachment changing is quick and efficient.
- Powerful twin variable displacement piston pump hydraulics can circulate a massive 252 l/min for fast cycles and excellent multi-functional capability.









A Specify your perfect loader arm: Z-bar linkage (ZX) for high breakout applications or high torque (HT) for parallel lifting and multi-attachment work.

Choose a HT High Lift on the 427 or 437, or HT Super High Lift on the 437 to equip them for applications involving high loading heights.

With maximum breakout forces of 176kN, this wheel loader has the power to carry out extremely arduous loading jobs.

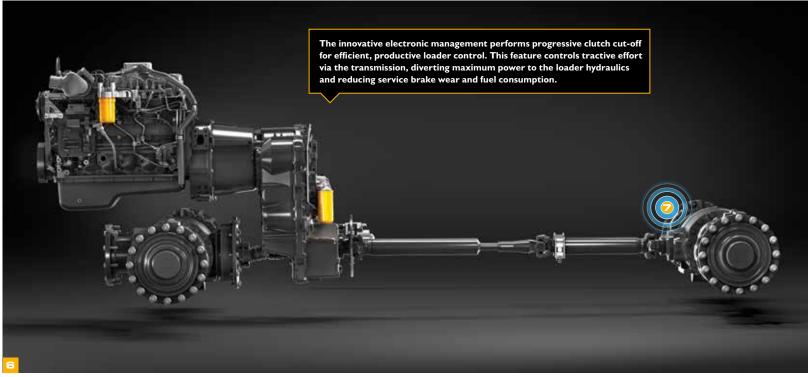
#### **Drivetrain productivity.**

- A unique 5-speed transmission is fitted as standard making operation even more slick, with closer gear ratios for improved acceleration, hill climbing and roading performance. An optional 5-speed with torque convertor lock-up to eliminate losses, provides even faster cycle times and improved efficiency.
- **Z** Tailor a 427 or 437 to any application with a range of axle options:
- > Standard differentials are ideal for hard standing ground conditions.
- Limited slip differentials is perfect for soft, muddy terrain with reduced traction.
- Open differential with an automatic locking front axle differential provide excellent traction in varied ground conditions.









## **FULLY POWERED.**

POWER WITHOUT COMPROMISE HAS LONG BEEN THE ROLE OF ANY LARGE WHEEL LOADER AND THE NEW 427 AND 437 TAKE THIS ETHOS TO ANOTHER LEVEL. THEIR CUTTING-EDGE STAGE V CUMMINS ENGINES BOAST POWER APLENTY, WHILE THEIR EFFICIENT, SMOOTH ZF DRIVELINES AND LOW FUEL CONSUMPTION HELP MAKE YOUR DECISION TO BUY JCB EVEN EASIER.

#### Driving efficiency.

1 The new JCB 427 and 437's Stage V Cummins engine offers you plenty of low-end torque and maintains it over a wide engine speed range.

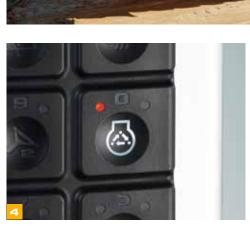
A hydraulic cooling fan automatically reacts to ambient temperature and adjusts the 427 and 437's fan speed to optimise cooling and reduce fuel consumption. This also lowers noise on your site.

Opt for the torque lock-up 5 speed transmission and you'll get 100% efficiency in second to fifth gears for improved fuel economy.

Two new power modes at the flick of a switch. Comfort Mode reduces engine power for light duty work to 151hp on the 427 and 171hp on the 437, helping to conserve fuel. Dynamic Mode increases power to a maximum 165hp on the 427 and 195hp on the 437.

Automatic idle returns the engine to 700rpm after 30 seconds of inactivity.









A new auto engine shutdown saves fuel by switching off the engine when the machine is left idling. Idle time can be set by the operator from the cab seat.

- 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 and access for maintenance and repairs.
- Inloaded spool valves in the valve block allow the arms to lower under gravitation rather than hydraulic force; this reduces fuel consumption still further.
- ZCB's innovative variable displacement pumps feed a load-sensing valve block which only consumes power on demand, providing precise, efficient loader control.
- A choice of 3 or 4-spool hydraulics gives you the scope for invaluable extra versatility.
- Selectable loader arm detents let operators control loader arm height limitations, return to dig settings and float functions, improving safety and productivity.











## **FULLY IN COMMAND.**

THE JCB COMMANDPLUS CAB IS ONE OF THE BEST CABS ON THE MARKET, WITH THE LATEST IN ERGONOMIC DESIGN PROVIDING AN OPTIMAL CONTROL LAYOUT AND DRIVER POSITION FOR GREATER COMFORT AND VISIBILITY, ENABLING EVEN GREATER OPERATOR PRODUCTIVITY.

#### See the difference.

- 1 The A-pillars are positioned to the same width as the rear of the cab, providing a larger interior with a superb panoramic front windscreen. All switches and auxiliary controls are located on the right-hand A-pillar for easier access.
- Using your machine's simple, dedicated menu interface is easily done with an intuitive optional rotary controller.
- Controlling the loader is easy as all of the controls are seat-mounted and even move with the seat suspension. Simply select the control system that's best for your operators: we offer single lever joystick or multi-lever configurations.
- There are two full colour LCD screens to navigate your machine's operating menus with one doubling as a monitor for the rear-view camera.

For even greater operator comfort, the machines are equipped with end damped steering for smoother steering from lock to lock.













To keep the operator environment comfortable for working at all times, we've positively pressurised the cab to eliminate dust and fumes.

Fafter extensive research into operator ergonomics, we've devised the Command Driving Position, which boasts the very optimal control layout for a multitude of different driver shapes and sizes. You can also choose from an air suspension standard seat to a super deluxe half leather seat, featuring fully adjustable heating and cooling functionality, electrically adjustable lumber support and adjustable dampers.

A set and forget feature makes operator access even easier by storing your preferred steering wheel position. It can be instantly returned to, even after you've folded the wheel away.

Specify your 427 or 437 with either air conditioning or automatic climate control to create perfect working temperatures.

With a dedicated media port on board, you can be assured of superb connectivity for all your electronic devices.

A sliding window on both sides of the cab allows easy communication with people outside the machine.

The electronic handbrake offers numerous advantages: it's quick and easy to operate, and, because there's no cable, there are fewer holes in the cab. This helps to isolate the operator environment further.











## **FULLY SERVICEABLE.**

MAXIMISING YOUR FLEET'S UPTIME IS OUR NUMBER ONE PRIORITY AND WE'VE CERTAINLY PULLED OUT ALL THE STOPS ON THE NEW 427 AND 437. A ONE-PIECE BONNET, EASY GROUND LEVEL ACCESS TO KEY COMPONENTS, LIVELINK TELEMATICS AND WORLD-CLASS AFTERCARE ALL COME AS STANDARD, WITH TAILORED SERVICE PACKAGES AVAILABLE TO SUIT.

#### Routine maintenance.

- 1 It's easy to get to the engine on a new JCB 427 and 437 with a large single-piece bonnet.
- Accessing the diesel and DEF (Diesel Exhaust Fluid) tanks is also straightforward, via the lockable grille at the rear of the machine.

You can check washer fluid level, engine oil and coolant from inside the cab, with all other routine checks and grease points located at ground level. This makes life both easier and safer.

- The standard widecore cooling package is a large, single-faced unit so you can be assured of quick, easy and safe cleaning.
- 4 Fold down rear access steps provide better access to service filters and fluid drain points.











#### Less servicing, more service.

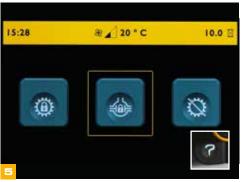
The CommandPlus cab relays machine condition with real-time alerts, safeguarding both the machine and the operator.

The intuitive CommandPlus help function provides the operator with meaningful descriptions of in-cab switch functions. Using the "?" button allows new or unfamiliar operators to quickly and easily understand them without having to refer to the operator's manual.

- By using premium components: Cummins engine, ZF transmissions and axles, Rexroth pumps and Parker valve block, we've built in long service life as standard.
- Full hydraulic dual circuit braking with multiple oil immersed discs gives the braking system a virtually maintenance-free lifespan.
- A cyclonic engine fan scavenge filter provides four times the filtering capacity of a standard air filter. It's a longer life system with fewer components and a higher level of efficiency, making for better engine protection.

Heating and ventilation filters are conveniently located behind an external access panel. The main fuse board and relays have been repositioned next to the door for easy access.













## **FULLY PROTECTED.**

OPERATORS, BYSTANDERS AND YOUR FLEET ARE WELL PROTECTED AT ALL TIMES BY THE NEW JCB 427 AND 437. **GREAT VISIBILITY INSIDE AND OUT, NON-SLIP SURFACES** AND EXCELLENT AIR FILTRATION ARE JUST THE BEGINNING.

#### Safely does it.

- 1 If you plan to use your wheel loader for quarry work, it's worth specifying the dedicated quarry safety pack. This includes blue flashing reverse lights, a green operator presence beacon, a rear object detection system, and hi-viz exterior chevrons.
- Access steps on the 427 and 437 are inclined and equally spaced, complemented by well positioned grab handles for three points of contact at all times.
- On the new JCB 427 and 437, you'll find the rear-view mirrors mounted in front of the A-pillars for improved all-round visibility. Interior mirrors, heated exterior mirrors and bonnet mirrors all combine to offer excellent views to every corner of your machine.
- 4 Our rear-view camera displays an unobstructed rearward view on the in-cab colour monitor onboard your 427 and 437.
- 5 Superb visibility in dark conditions is guaranteed with JCB's optional LED lighting.













The new front fender flaps have been carefully designed and honed to keep forward spray to a minimum. This increases safety and decreases debris build-up.

Door hinges are mounted on the A-pillar; giving much better access via a larger and wider door aperture. It also means you can access the rear of your loader more safely.

Non-slip walkways and additional grab handle options allow for safe movement around the machine.

Roof mounted camera option provides additional visibility when large capacity attachments are fitted.

The new 427 and 437 cabs are isolator-mounted, compliant with ROPS/FOPS standards, and positively pressurised against dust. You can choose from fresh air and carbon recirculation filters as well.













#### LIVELINK TELEMATICS.

LiveLink telematics helps you monitor and manage your machine fleet remotely anywhere in the world by radically improving the efficiency, productivity, safety and security of all your JCB and non JCB machine fleet.

MACHINE EFFICIENCY: Keep track of your machine's daily activity with regular performance reports which provide information about idle time, location, machine health, error codes for diagnostics, engine utilisation by power band, safety alerts, and fuel consumption. JCB LiveLink ensures machines are kept running for maximum uptime and return on investment.

MACHINE RELIABILITY: Accurate hours and service alerts improve maintenance planning to optimise machine productivity.

MACHINE SECURITY: LiveLink's real time geo-fencing alerts tell you when machines move out of predetermined zones.

Curfew alerts inform you of unauthorised usage.



Track the location of any asset via Bluetooth connection.



An after market telematics solution which can be retrofitted to any machine.



#### COMPLETE CONTROL FOR YOUR FLEET.

LiveLink Fleet enables you to track every aspect of your equipment to maximise efficiency and machine uptime.

GUESS LESS, KNOW MORE: Equipment issues and service reminders are logged as soon as they occur, helping you to react quickly.

YOUR EYES ON THE GROUND: Integrate LiveLink Fleet with the JCB Operator mobile app and data from your operators' daily equipment checks feed instantly into your dashboard.

**TOTAL PEACE OF MIND:** Operator safety alerts help to ensure machines are being used efficiently and safely.

SMARTER TOOLS. SMARTER DECISIONS: From hours worked to fuel wastage, access custom analytics on your fleet to make smarter decisions, quicker.

EFFORTLESS MEETS PAPERLESS: Access certificates, warranty information, quick start machine guides and manuals.

## The JCB Operator app

#### THEY SPOT IT, YOU KNOW IT.

The JCB Operator app gives you faster, clearer and more accurate information about your fleet, direct from the people using your equipment each day.

STAY IN TOUCH: Get regular checks on your machine with visibility in the LiveLink Fleet portal.

**TAILOR YOUR CHECKS:** Customise your checklists to suit any application, customer or site.

**UPLOAD TO KEEP UPDATED:** Upload useful information with photos and comments.

FULLY COMPATIBLE: The JCB Operator app works with non telemetry related machines and assets.

ACCESS ALL INFORMATION: Get access to documentation such as quick start guides.

<sup>\*</sup>The individual features of LiveLink Telematics, LiveLink Fleet and Operator App vary per region, engine and machine type.

## **FULLY SUPPORTED.**

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.

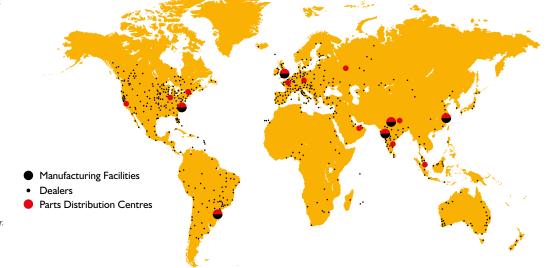


- Our Technical Support Service provides instant access to factory expertise, day or night, while our Finance and Insurance teams are always on hand to provide fast, flexible, competitive quotes.
- The global network of JCB Parts Centres is another model of efficiency; with 18 regional bases, we can 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.



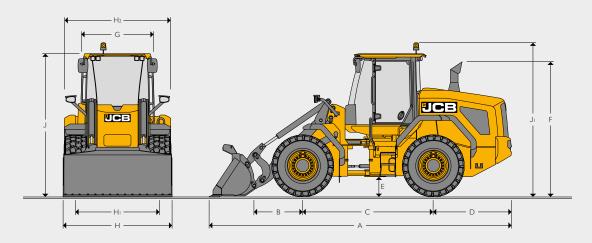
ICB offers comprehensive extended warranties as well as service-only or repair and maintenance contracts. Irrespective of what you opt for, our Maintenance teams around the world charge competitive labour rates, and offer non-obligation quotations as well as fast, efficient insurance repair work.



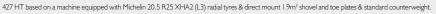


 $Note: JCB\ LIVELINK\ and\ JCB\ extended\ warranty\ packages\ may\ not\ be\ available\ in\ your\ region,\ so\ please\ check\ with\ your\ local\ dealer.$ 

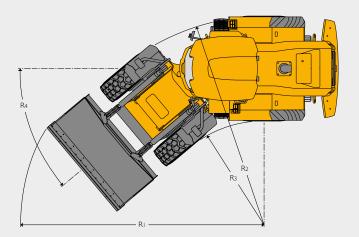
#### STATIC DIMENSIONS



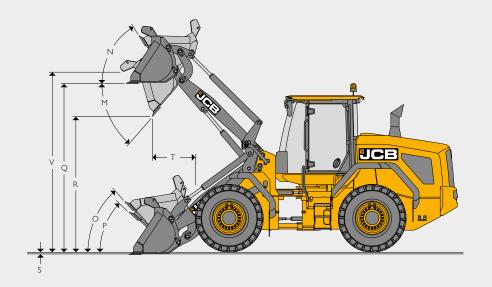
			427HT	427 HT HL	427ZX	437HT	437 HT HL	437 HT SHL	437 ZX
Α	Overall length	mm	7070	7532	7069	7301	7928	8485	7306
В	Axle to pivot pin	mm	1134	1596	1108	1246	1873	2430	1228
С	Wheelbase	mm	3050	3050	3050	3050	3050	3050	3050
D	Axle to counterweight face	mm	1833	1833	1833	1833	1833	1833	1833
Е	Minimum ground clearance	mm	472	472	472	472	472	472	472
F	Height over exhaust	mm	3159	3159	3159	3159	3159	3159	3159
G	Width over cab roof	mm	1582	1582	1582	1582	1582	1582	1582
Н	Max. width	mm	2583	2583	2583	2598	2598	2598	2598
Ηı	Wheel track	mm	2054	2054	2054	2070	2070	2070	2070
H <sub>2</sub>	Max width over fenders	mm	2556	2556	2556	2556	2556	2556	2556
J	Height over cab roof and lowered beacon	mm	3360	3360	3360	3360	3360	3360	3360
Jı	Height over raised beacon	mm	3722	3722	3722	3722	3722	3722	3722
	Front axle weight	kg	5852	6076	5944	6456	7230	8269	7078
	Rear axle weight	kg	8139	8106	8187	8652	8652	7756	8360
	Total weight	kg	13991	14182	14131	15108	15881	16024	15438
	Height over engine cover from ground fully open	mm	3611	3611	3611	3611	3611	3611	3611
	Increase in vehicle length with bonnet open (rear grille shut)	mm	+928	+928	+928	+928	+928	+928	+928



 $<sup>437\,</sup>HT\ based on a machine equipped with Michelin 20.5\,R25\,XHA2\,(L3)\ radial tyres \&\ direct mount 2.3m³\ shovel and toe plates \&\ standard\ counterveight.$ 



			427HT	427 HT HL	427ZX	437 HT	437 HT HL	437 HT SHL	437 ZX
Rı	Maximum turn radius over shovel	mm	5902	6035	5933	6021	6286	6626	6041
R <sub>2</sub>	Maximum turn radius over tyre	mm	4350	4350	4350	4350	4350	4350	4350
Rз	Inside turn radius	mm	2892	2892	2892	2896	2896	2896	2896
R4	Articulation angle	degrees	40	40	40	40	40	40	40

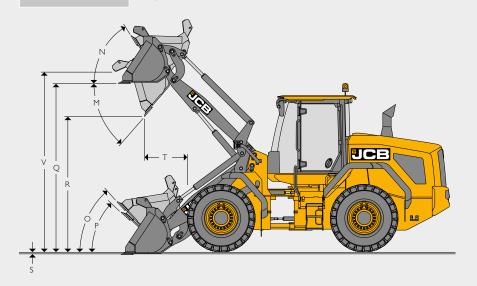


TYRE SIZE 427 HT	T/HT HL									
					F	IT	HT	HL	Dime	nsions
Tyre size	Manufacturer	Туре	Rating	Operating weight (kg)	STL kg	FTTL kg	STL kg	FTTL kg	Vertical mm	Width mm
20.5R25	MICHELIN	XHA2	L3	0	0	0	0	0	0	0
20.5R25	MICHELIN	XTLA	L2	-116	-82	-71	-70	-42	-7	4
20.5R25	MICHELIN	XLDD2A	L5	492	346	299	296	180	30	6
20.5R25	MICHELIN	XMINED2	L5	652	459	397	392	239	58	34
550/65R25	MICHELIN	XLD	L3	-72	-51	-44	-43	-26	-44	21
20.5R25	MICHELIN	XSNOPLUS	L2	-60	-42	-37	-36	-22	-11	6
620/75R26	MICHELIN	MEGAXBIB	N/A	-248	-175	-151	-149	-91	68	108
650/65R25	MICHELIN	XLD	L3	652	459	397	392	239	-10	249
750/65R26	MICHELIN	MEGAXBIB	N/A	4	3	2	2	1	81	474
20.5-25	G/YEAR	SGL (16 ply)	L2	-200	-141	-122	-120	-73	-5	4
20.5-25	G/YEAR	HRL (16 ply)	L3	4	3	2	2	1	37	4
20.5R25	G/YEAR	TL-3A+	L3	272	192	166	164	100	11	4
20.5R25	G/YEAR	RL-5K	L5	776	546	472	467	284	49	4
20.5R25	JCB	Earthmover	L3	128	90	78	77	47	41	12
20.5R25	SOLID	SE	N/A	2068	1456	1258	1243	757	17	95
20.5R25	SOLID	S2 C2 DWL	N/A	2192	1543	1334	1318	802	6	95
20.5-25	JCB	Sitemaster (16ply)	L3	100	70	61	60	37	21	-7
20.5R25	NOKIAN	GRIP TL	L3	-200	-141	-122	-120	-73	4	-7

Heavy duty axles (required with 6 speed, solid/foam filled tyres, 750 width agricultural tyres).

ADER DIMENSIONS 427 HT/HT HL																									
Model							427	HT											427 F	IT HL					
Shovel mounting				Dir	ect					Quick	khitch					Dir	rect					Quic	khitch		
Shovel type				General	purpose					General	purpose					General	purpose					General	purpose		
Shovel equipment		Tipped	d teeth		Reversible	e toeplate		Tipped	d teeth		Reversible	e toeplate		Tipped	d teeth		Reversible	e toeplate		Tipped	d teeth		Reversibl	e toeplate	
Shovel capacity (SAE heaped 100%)	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
Shovel capacity (struck)	m <sup>3</sup>	1.556	1.765	1.616	1.83	2.057	2.346	1.554	1.749	1.594	1.787	2.057	2.346	1.556	1.765	1.616	1.83	2.057	2.346	1.554	1.749	1.594	1.787	2.057	2.34
Shovel 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
Shovel weight	kg	810	850	810	850	1136	1211	800	850	800	850	1136	1211	810	850	810	850	1136	1211	800	850	800	850	1136	1211
Maximum material density*	kg/m³	2633	2346	2494	2234	1901	1667	2438	2172	2310	2069	1761	1544	2219	1977	2102	1883	1595	1398	2058	1833	1949	1746	1479	1296
Tipping load straight*	kg	11038	10932	11038	10932	10666	10530	10260	10162	10260	10162	9921	9793	9316	9228	9316	9228	8971	8856	8677	8598	8677	8598	8358	8247
Tipping load full turn*	kg	9478	9382	9478	9382	9124	9000	8778	8688	8778	8688	8455	8337	7988	7907	7988	7907	7657	7550	7407	7334	7407	7334	7102	6999
Payload*	kg	4739	4691	4739	4691	4562	4500	4389	4344	4389	4344	4228	4168	3994	3953	3994	3953	3828	3775	3704	3667	3704	3667	3551	3499
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
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
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
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
Roll back at 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
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
Dump height (45 deg dump)	mm	2871	2767	2944	2896	2860	2796	2697	2647	2848	2775	2739	2676	3247	3197	3374	3326	3290	3226	3212	3127	3278	3205	3169	3106
Dig depth	mm	50	50	47	47	47	47	50	50	47	47	47	47	113	113	110	110	110	110	128	113	110	110	110	110
Reach at dump height	mm	1022	1072	897	963	979	1043	1142	1191	1003	1069	1100	1164	1184	1934	1059	1109	1141	1205	1195	1204	1165	1231	1262	1326
Pin height	mm	3876	3876	3876	3876	3876	3876	3876	3876	3876	3876	3876	3876	4306	4306	4306	4306	4306	4306	4306	4306	4306	4306	4306	4306
Reach maximum (45 deg dump) horizontal arm	mm	1769	1819	1644	1694	1726	1790	1889	1938	1751	1816	1847	1911	2117	2167	1992	2042	2074	2138	2128	2237	2099	2164	2195	2259
Operating weight	kg	13991	14035	13991	14035	14307	14370	14276	14320	14276	14320	14569	14631	14182	14226	14182	14226	14498	14561	14467	14511	14467	14511	14760	14822

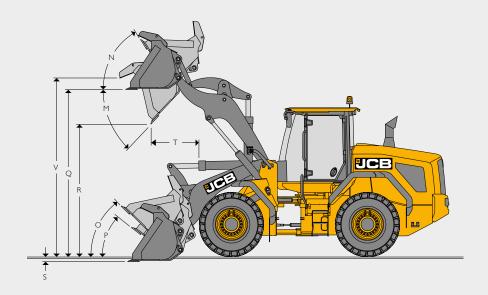
<sup>\*</sup>Assumes machine is fitted with Michelin 20.5R25 XHA2 (L3) tyres, 5 speed transmission and non parallel links.



TYRE SIZE 437 H	T/HT HL/HT SHL											
					F	IT	HT	HL	HT	SHL	Dimer	nsions
Tyre size	Manufacturer	Туре	Rating	Operating weight (kg)	STL kg	FTTL kg	STL kg	FTTL kg	STL kg	FTTL kg	Vertical mm	Width mm
20.5R25	MICHELIN	XHA	L3	0	0	0	0	0	0	0	0	0
20.5R25	MICHELIN	XTLA	L2	-116	-78	-67	-63	-37	-36	-25	-7	4
550/65R25	MICHELIN	XLD	L3	-72	-48	-42	-39	-23	-22	-16	-44	21
20.5R25	MICHELIN	XSNOPLUS	L2	-60	-40	-35	-33	-19	-19	-13	-11	6
20.5R25	MICHELIN	XLDD2A	L5	492	330	285	269	156	153	107	30	6
20.5R25	MICHELIN	XMINED2	L5	652	438	378	356	206	203	142	58	34
620/75R26	MICHELIN	MEGAXBIB	N/A	-248	-166	-144	-135	-79	-77	-54	68	-7
650/65R25	MICHELIN	XLD	L3	652	438	378	356	206	203	142	-10	134
750/65R26	MICHELIN	MEGAXBIB	N/A	4	3	2	2	1	1	1	81	359
20.5-25	G/YEAR	SGL (16 ply)	L2	-200	-134	-116	-109	-63	-62	-44	-5	26
20.5R25	G/YEAR	TL-3A+	L3	272	183	158	148	86	85	59	- 11	17
20.5R25	G/YEAR	RL-5K	L5	776	521	450	424	246	241	170	49	26
20.5-25	G/YEAR	HRL (16 ply)	L3	4	3	2	2	1	- 1	1	37	26
20.5R25	JCB	Earthmover	L3	128	86	74	70	41	40	28	41	12
20.5R25	SOLID	SE	N/A	2068	1388	1199	1129	655	643	452	17	-20
20.5R25	SOLID	S2 C2 DWL	N/A	2192	1471	1271	1197	694	681	479	6	-20
20.5-25	JCB	Sitemaster (16ply)	L3	100	67	58	55	32	31	22	21	-7
20.5R25	NOKIAN	GRIP TL	L3	-200	-134	-116	-109	-63	-62	-44	4	-7
	Duty Counterweig vith solid cushion or			312	642	580	527	476	435	393	-	-

Model					437	HT							437 H	IT HL							437 H	T SHL			
Shovel mounting			Dir	rect			Quic	khitch			Dir	ect			Quick	khitch			Dir	ect			Quic	khitch	
Shovel type			General	purpose			General	purpose			General	purpose			General	purpose			General	purpose			General	purpose	
Shovel equipment		Tipped	l teeth	Reversible	e toeplate	Tipped	l teeth	Reversible	toeplate	Tipped	d teeth	Reversible	e toeplate	Tipped	d teeth	Reversible	e toeplate	Tipped	d teeth	Reversible	e toeplate	Tipped	l teeth	Reversible	le toeplate
Shovel capacity (SAE heaped 100%)	m³	2.3	2.6	2.4	2.7	2.3	2.6	2.4	2.7	2.3	2.6	2.4	2.7	2.3	2.6	2.4	2.7	2.3	2.6	2.4	2.7	2.3	2.6	2.4	2.7
Shovel capacity (struck)	$m^3$	1.984	2.27	2.057	2.346	1.984	2.27	2.057	2.346	1.984	2.27	2.057	2.346	1.984	2.27	2.057	2.346	1.984	2.27	2.057	2.346	1.984	2.27	2.057	2.346
Shovel width	mm	2740	2740	2700	2700	2740	2740	2700	2700	2740	2740	2700	2700	2740	2740	2700	2700	2740	2740	2700	2700	2740	2740	2700	2700
Shovel weight	kg	1151	1224	1163	1236	1124	1199	1136	1211	1151	1224	1163	1236	1124	1199	1136	1211	1151	1224	1163	1236	1124	1199	1136	1211
Maximum material density*	kg/m³	2067	1805	1985	1742	1923	1679	1847	1620	1608	1403	1545	1355	1499	1307	1440	1262	1239	1078	1191	1041	1145	995	1101	961
Tipping load straight*	kg	11221	11085	11240	11104	10479	10350	10498	10369	8789	8683	8809	8701	8234	8130	8252	8149	6844	6741	6862	6760	6367	6267	6384	6285
Tipping load full turn*	kg	9510	9385	9529	9405	8848	8729	8867	8748	7396	7297	7415	7315	6894	6798	6912	6816	5701	5605	5718	5623	5266	5174	5284	5192
Payload*	kg	4755	4693	4764	4702	4424	4365	4433	4374	3698	3648	3707	3658	3447	3399	3456	3408	2850	2803	2859	2812	2633	2587	2642	2596
Maximum breakout force	kN	147	134	147	134	131	122	131	122	147	134	147	134	131	122	131	122	153	139	153	139	136	124	136	127
Dump angle maximum	degrees	49	49	49	49	49	49	49	49	45	45	45	45	45	45	45	45	50	50	50	50	50	50	50	50
Roll back angle full height	degrees	58	58	58	58	58	58	58	58	60	60	60	60	60	60	60	60	58	58	58	58	58	58	58	58
Roll back at carry	degrees	48	48	48	48	48	48	48	48	54	54	54	54	54	54	54	54	48	48	48	48	48	48	48	48
Roll back at ground level	degrees	43	43	43	43	43	43	43	43	45	45	45	45	45	45	45	45	43	43	43	43	43	43	43	43
Load over height	mm	3760	3760	3755	3755	3760	3760	3755	3755	4414	4414	4409	4409	4414	4414	4409	4409	4981	4981	4976	4976	4981	4981	4976	4976
Dump height (45 deg dump)	mm	2794	2730	2962	2871	2709	2645	2850	2786	3448	3384	3616	3525	3363	3299	3504	3440	4011	3947	4179	4088	3926	3862	4067	4003
Dig depth	mm	132	132	106	106	132	132	106	106	127	127	101	101	127	127	101	101	105	105	79	79	105	105	79	79
Reach at dump height	mm	1115	1174	1011	1070	1192	1250	1088	1146	1115	1174	1011	1070	1192	1250	1088	1146	1139	1198	1035	1094	1216	1274	1112	1197
Pin height	mm	4021	4021	4021	4021	4021	4021	4021	4021	4675	4675	4675	4675	4675	4675	4675	4675	5242	5242	5242	5242	5242	5242	5242	5242
Reach maximum (45 deg dump) horizontal arm	mm	1954	2018	1850	1914	1739	2103	1935	1999	2444	2508	2340	2404	2229	2593	2425	2489	2919	2983	2815	2879	2704	3068	2900	2964
Operating weight (includes 75kg operator and full fuel and DEF tanks)	kg	15123	15186	15108	15171	15385	15447	15370	15432	15511	15574	15496	15559	15773	15835	15758	15820	16040	16103	16024	16087	16302	16364	16286	16348

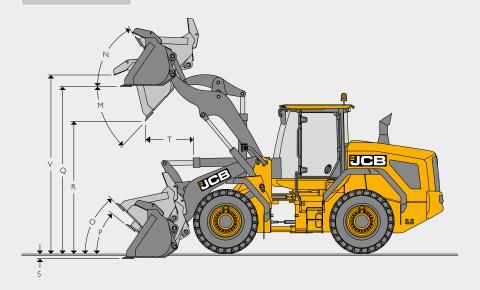
<sup>\*</sup>Assumes machine is fitted with Michelin 20.5R25 XHA2 (L3) tyres, 5 speed transmission and non parallel links.



TYRE SIZE 427 ZX								
					Z	Х	Dime	nsions
Tyre size	Manufacturer	Туре	Rating	Operating weight (kg)	STL kg	FTTL kg	Vertical mm	Width mm
20.5R25	MICHELIN	XHA2	L3	0	0	0	0	0
20.5R25	MICHELIN	XTLA	L2	-116	-78	-67	-7	4
20.5R25	MICHELIN	XLDD2A	L5	492	330	285	30	6
20.5R25	MICHELIN	XMINED2	L5	652	438	378	58	34
550/65R25	MICHELIN	XLDD2A	L3	492	330	285	-44	21
20.5R25	MICHELIN	XSNOPLUS	L2	-60	-40	-35	-11	6
620/75R26	MICHELIN	MEGAXBIB	N/A	-248	-166	-144	68	108
650/65R25	MICHELIN	XLD	L3	652	438	378	-10	249
750/65R26	MICHELIN	MEGAXBIB	N/A	4	3	2	81	474
20.5-25	G/YEAR	SGL (16 ply)	L2	-200	-134	-116	-5	4
20.5-25	G/YEAR	HRL (16 ply)	L3	4	3	2	37	4
20.5R25	G/YEAR	TL-3A+	L3	272	183	158	11	4
20.5R25	G/YEAR	RL-5K	L5	776	521	450	49	4
20.5R25	JCB	Earthmover	L3	128	86	74	41	12
20.5R25	SOLID	SE	N/A	2068	1388	1199	17	95
20.5R25	SOLID	S2 C2 DWL	N/A	2192	1471	1271	6	95
20.5-25	JCB	Sitemaster (16ply)	L3	100	67	58	21	-7
20.5R25	NOKIAN	GRIP TL	L3	-200	-134	-116	4	-7

Model							427	7 ZX					
Shovel mounting				Dir	·ect					Quic	khitch		
Shovel type				General	purpose					General	purpose		
Shovel equipment		Tippe	d teeth		Reversibl	le toeplate		Tippe	d teeth		Reversibl	e toeplate	
Shovel capacity (SAE heaped 100%)	m³	1.8	2	1.9	2.1	2.4	2.7	1.8	2	1.9	2.1	2.4	2.7
Shovel capacity (struck)	m <sup>3</sup>	1.72	1.72	1.61	1.79	2.06	2.35	1.55	1.75	1.59	1.79	2.06	2.3
Shovel width	mm	2550	2550	2550	2550	2700	2700	2550	2550	2550	2550	2700	270
Shovel weight	kg	1040	1140	925	1040	1262	1329	800	850	800	850	1136	121
Maximum material density*	kg/m³	2218	2171	2361	2112	1792	1571	2292	2040	2172	1943	1653	144
Tipping load straight*	kg	10318	10126	10427	10318	10037	9907	9636	9537	9636	9537	9303	917
Tipping load full turn*	kg	8872	8684	8971	8872	8603	8483	8252	8162	8252	8162	7934	781
Payload*	kg	4436	4342	4485	4436	4301	4241	4126	4081	4126	4081	3967	390
Maximum breakout force	kN	135	135	145	135	129	120	126	118	126	118	113	10
Dump angle maximum	degrees	45	45	45	45	45	45	45	45	45	45	45	45
Roll back angle full height	degrees	52	52	52	52	52	52	52	52	52	52	52	52
Roll back at carry	degrees	44	44	44	44	44	44	44	44	44	44	44	44
Roll back at ground level	degrees	35	35	35	35	35	35	35	35	35	35	35	35
Load over height	mm	3645	3645	3640	3640	3638	3638	3645	3645	3640	3640	3638	363
Dump height (45 deg dump)	mm	2797	2797	2973	2925	2889	2825	2726	2694	2852	2804	2768	270
Dig depth	mm	33	33	30	30	32	32	33	33	30	30	32	32
Reach at dump height	mm	1111	1111	936	986	1019	1083	1182	1232	1057	1107	1140	120
Pin height	mm	3904	3904	3904	3904	3904	3904	3904	3904	3904	3904	3904	390
Reach maximum (45 deg dump) horizontal arm	mm	1858	1858	1683	1733	1766	1830	1929	1979	1804	1854	1907	195
Operating weight (includes 75kg operator and full fuel and DEF tanks)	kg	14131	14164	14131	14164	14418	14486	14470	14514	14470	14514	14763	1482

<sup>\*</sup>Assumes machine is fitted with Michelin 20.5R25 XHA2 (L3) tyres and 5 speed transmission.



TYRE SIZE 437 ZX								
					Z	X	Dime	nsions
Tyre size	Manufacturer	Туре	Rating	Operating weight (kg)	STL kg	FTTL kg	Vertical mm	Width mm
20.5R25	MICHELIN	XHA	L3	0	0	0	0	0
20.5R25	MICHELIN	XTLA	L2	-116	-63	-55	-7	4
550/65 R25	MICHELIN	XLD	L3	-72	-39	-34	-44	21
20.5R25	MICHELIN	XSNOPLUS	L2	-60	-33	-28	-11	6
20.5R25	MICHELIN	XLDD2A	L5	492	269	232	30	6
20.5R25	MICHELIN	XMINED2	L5	652	356	308	58	34
620/75R26	MICHELIN	MEGAXBIB	N/A	-248	-135	-117	68	-7
650/65R25	MICHELIN	XLD	L3	652	356	308	-10	134
750/65R26	MICHELIN	MEGAXBIB	N/A	4	2	2	81	359
20.5-25	G/YEAR	SGL (16 ply)	L2	-200	-109	-94	-5	26
20.5R25	G/YEAR	TL-3A+	L3	272	148	128	11	17
20.5R25	G/YEAR	RL-5K	L5	776	424	366	49	26
20.5-25	G/YEAR	HRL (16 ply)	L3	4	2	2	37	26
20.5R25	JCB	Earthmover	L3	128	70	60	41	12
20.5R25	SOLID	SE	N/A	2068	1129	976	17	-20
20.5R25	SOLID	S2 C2 DWL	N/A	2192	1197	1034	6	-20
20.5-25	JCB	Sitemaster (16ply)	L3	100	55	47	21	-7
20.5R25	NOKIAN	GRIP TL	L3	-200	-109	-94	4	-7
	Outy Counterweight In solid cushion or foam f	illed tyres)		312	646	584	-	-

ADER DIMENSIONS 437 ZX										
Model						437 ZX				
Shovel mounting				Direct		137 230		Quick	chitch	
Shovel type				General purpose				General		
Shovel equipment			Tipped teeth	General purpose	Reversib	le toeplate	Tinner	d teeth	Reversible	toenlate
Shovel capacity (SAE heaped 100%)	m³	2.3	2.6	2.6	2.4	2.7	2.3	2.6	2.4	2.7
Shovel capacity (struck)	m <sup>3</sup>	2.0	2.3	2.3	2.1	2.3	2.0	2.3	2.1	2.3
Shovel width	mm	2740	2740	2740	2700	2700	2740	2740	2700	2700
Shovel weight	kg	1250	1317	1361	1262	1329	1124	1199	1136	1211
Maximum material density*	kg/m³	1990	1741	1707	1909	1674	1853	1616	1772	1560
Tipping load straight*	kg	10824	10715	10536	10833	10702	10125	9996	10106	10016
Tipping load full turn*	kg	9154	9054	8878	9163	9041	8522	8404	8503	8423
Payload*	kg	4577	4527	4439	4581	4521	4261	4202	4252	4212
Maximum breakout force	kN	176	162	162	176	162	157	144	157	144
Dump angle maximum	degrees	45	45	45	45	45	45	45	45	45
Roll back angle full height	degrees	52	52	52	52	52	52	52	52	52
Roll back at carry	degrees	44	44	44	44	44	44	44	44	44
Roll back at ground level	degrees	35	35	35	35	35	35	35	35	35
Load over height	mm	3760	3760	3760	3755	3755	3760	3760	3755	3755
Dump height (45 deg dump)	mm	2841	2776	2776	2982	2900	2756	2691	2897	2765
Dig depth	mm	131	131	131	105	105	131	131	105	105
Reach at dump height	mm	1151	1225	1215	1047	1006	1236	1300	1132	1091
Pin height	mm	402	4021	402	4021	4021	4021	402	4021	4021
Reach maximum (45 deg dump) horizontal arm	mm	1903	1967	1967	1799	1850	1980	2044	1876	1927
Operating weight (includes 75kg operator and full fuel and DEF tanks)	kg	15389	15457	15657	15389	15469	15744	15806	15756	15806

<sup>\*</sup>Assumes machine is fitted with Michelin 20.5R25 XHA2 (L3) tyres and 5 speed transmission.

ENGINE			
		427	437
Manufacturer		Cum	mins
Model		B Se	eries
Capacity	litres	6	.7
Aspiration		Turbo (	Charged
Cylinders		6	ó
Max gross power to SAE J1995/ISO 14396	kW (hp)	123 (165) @ 1800rpm	145 (195) @ 2000rpm
Rated gross power to SAE J1995/ISO 14396	kW (hp)	116 (156) @ 2200rpm	129 (173) @ 2200rpm
Nett power to ISO 9249	kW (hp)	114 (153) @ 2200rpm	127 (170) @ 2200rpm
Max torque	Nm	746 @ 1300rpm	881 @ 1300rpm
Valves per cylinder		4	1
Air cleaner		Cyclonic pre filter with co	oling fan scavenge system
Fan drive type		Hydraulically dr	iven cooling fan
Emissions		EU Stage V, U	IS EPA Tier 4F

TRANSMISSION	ı								
					42	27			
Туре			ZF 5W	/G160			ZF 5WG	160 LUC	
Gear		Forward Dynamic Mode	Reverse Dynamic Mode	Forward Comfort Mode	Reverse Comfort Mode	Forward Dynamic Mode	Reverse Dynamic Mode	Forward Comfort Mode	Reverse Comfort Mode
1	kph	6.09	6.44	5.57	5.88	6.12	6.46	5.59	5.90
2	kph	12.15	12.79	11.13	11.71	12.50	13.18	11.21	12.12
3	kph	18.37	27.84	16.79	25.24	19.21	30.18	16.99	27.81
4	kph	26.57		24.10		28.65		24.70	
5	kph	38.46		34.66		40.00*		35.62	

			437						
Туре			ZF 5V	VG190		ZF 5WG190 LUC			
Gear		Forward Dynamic Mode	Reverse Dynamic Mode	Forward Comfort Mode	Reverse Comfort Mode	Forward Dynamic Mode	Reverse Dynamic Mode	Forward Comfort Mode	Reverse Comfort Mode
1	kph	7.00	7.39	6.10	6.45	7.00	7.40	6.11	6.46
2	kph	12.59	13.25	10.97	11.52	12.96	13.67	11.43	12.05
3	kph	18.81	29.10	16.22	24.62	19.83	32.21	17.47	28.31
4	kph	27.83		23.62		30.61		26.90	
5	kph	39.44		32.58		40.00*		40.00*	

Please note the above data is based on XHA tyres, figures may vary depending on tyres fitted.

AXLES		
Model	427	437
Туре	Stan	dard
Make and model	ZF MT-L 3085 II (front), ZF MT-L 3075 II (rear)	ZF MT-L 3085 II (front), ZF MT-L 3085 II (rear)
Overall axle ratio	20.182 : 1	21.53 : 1
Rear axle oscillation	+/- 10.5	Degrees

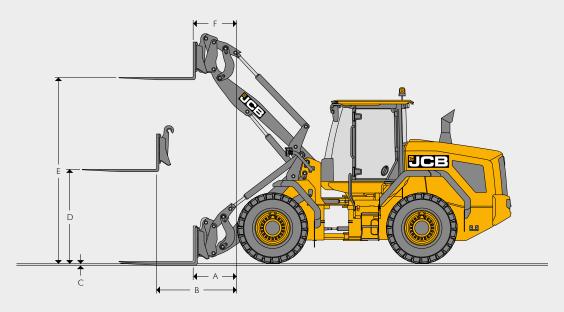
All available with open differential, Limited slip differential, Open differential with auto-locking front

ELECTRICAL SYSTEM		
System voltage	Amps	24
Alternator output	Amps	120
Battery capacity	Amp hour	110

HYDRAULICS			
		427	437
Pump type		Variable di	splacement
Pump I max. flow	I/min	12	26
Pump I max. pressure	bar	25	50
Pump 2 max. flow	I/min	12	26
Pump 2 max. pressure	bar	l e	60
Hydraulic cycle times at full engine rev	s		
Arms raise (full bucket)	Seconds	5.08	6.24
Shovel dump (full bucket)	Seconds	1.41	1.96
Arms lower (empty bucket)	Seconds	3.3	4.63
Total cycle	Seconds	9.79	12.83

SERVICE FILL CAPACITIES			
		427	437
Hydraulic system	litres	2	10
Fuel tank	litres	2'	90
DEF Tank	litres	7	5

<sup>\*</sup> Speed limited to 40kph maximum.

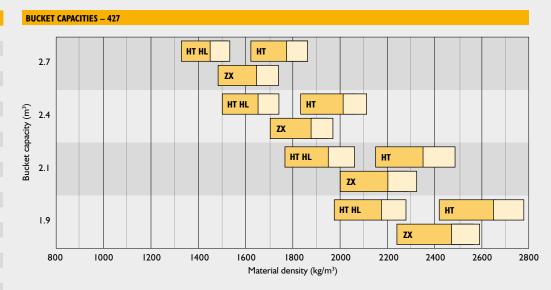


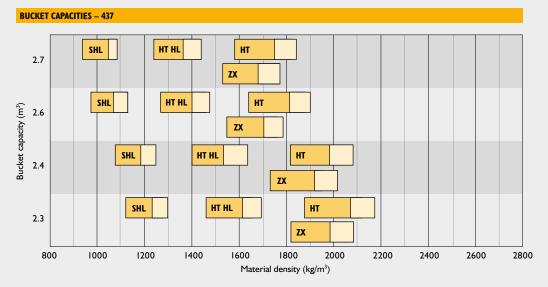
LOADER DIMENSIONS WITH FORKS								
		427HT	427HT HL	427ZX	437HT	437HT HL	437 HT SHL	437ZX
Fork carriage width	mm	1500	1500	1500	1500	1500	1500	1500
Length of tines	mm	1220	1220	1220	1220	1220	1220	1220
Reach at ground level	mm	769	1238	769	882	1518	2079	882
Reach at arms horizontal	mm	1546	1895	1546	1636	2126	2596	1636
Top of tine above ground with arms down	mm	-52	H	-52	8	3	-11	8
Arms, horizontal height	mm	1906	1906	1906	1946	1946	1936	1946
Arms, maximum height	mm	3718	4148	3718	3828	4482	5035	3828
Reach at maximum height	mm	802	848	801	873	875	907	873
Tipping load straight	kg	8177	7097	7944	8210	6836	5718	7895
Tipping load full turn (40°)	kg	6992	6045	6789	6993	5794	4806	6704
Payload*	kg	5593	4836	5431	5594	4635	3845	5363
Attachment weight	kg	430	430	430	430	430	430	430
Operating weight (includes 80Kg operator and full fuel and Urea tanks)	kg	13921	15015	14116	14753	15141	15670	15484

<sup>\*</sup> At the centre of gravity distance 600mm. Based on 80% of FTTL as defined in ISO 8313. Manual fork spacing's at 50mm increments. Class 4A forks (section 150mm x 60mm). HT machines have parallel lift loader end. ZX machines do not. Assume the fitment of Michelin 23.5R25 XHA2 tyres.

MATERIAL DENSITY		
Material	Loose density	Fill factor
	kg/m³	%
Snow (fresh)	200	110
Peat (dry(	400	100
Sugar beet	530	100
Coke (loose)	570	85
Barley	600	85
Petroleum coke	680	85
Wheat	730	85
Coal bitumous	765	100
Fertiliser (mixed)	1030	85
Coal anthracite	1046	100
Earth (dry) (loose)	1150	100
Nitrate fertiliser	1250	85
Sodium chloride (dry) (salt)	1300	85
Cement portland	1440	100
Limestone (crushed)	1530	100
Sand (dry)	1550	100
Asphalt	1600	100
Gravel (dry)	1650	85
Clay (wet)	1680	110
Sand (wet)	1890	110
Fire clay	2080	100
Copper (concentrate)	2300	85
Slate	2800	100
Magnetite	3204	100

NOISE AND VIBRATION				
			Uncertaincy	Measurement conditions.
Noise at the operator station	LpA	68 dB	+/- I dB	Determined in accordance with the test method defined in ISO 6396 and the dynamic test condition defined on $2000/14/EC$ .
Noise emission from the machine	LWA	104 dB	+/- I dB	Guaranteed equivalent sound power (external noise) determined in accordance with the dynamic test conditions defined in 2000/14/EC.
Whole body vibration	m/s <sup>2</sup>	0.42	+/- 0.11 dB	ISO 2632-1:1997 normalised to an 8h reference period and based upon a test cycle comprising of loader work (soil).
Hand-arm vibration	m/s <sup>2</sup>	<2.5	N/A	ISO 5349-2:2001 dynamic test conditions.







HT = Standard height arm HL = High Lift arm SHL = Super high lift arm ZX = Z bar

EQUIPMENT (CONTINUED)	
FRONT PRIMARY DISPLAY (CONTINUED)	
Differential lock	•
Low steering pressure	•
Buzzer alerts	
Engine air filter blocked	•
Diesel exhaust fluid (DEF)	•
Torque reduction in case of malfunction	•
Amber warning lamp	•
Stop engine	•
Gauge display	
Engine speed	•
Coolant temperature	•
Fuel level	•
LCD screen display	
Current gear	
Stop engine	•
Torque reduction in case of malfunction	•
Amber warning lamp	
Diesel exhaust fluid (DEF)	•
Engine air filter blocked	
Secondary steer system pressure	•
Torque lockup	
Steer mode	
Ground speed	•
Engine speed (numeric display)	
Clock	
Hydraulic state	
,	
Smooth Ride System (SRS)	+
Beacon	•
Front work lamps	
Rear work lamps	•
Heated rear screen	
Transmission sump temperature	•
Data screens	
DEF level	•
Hydraulic oil temperature	•
Torque convertor temperature	•
Volume of fuel remaining	•
Total fuel used (resettable)	•
Instantaneous fuel use	•
Average fuel use (resettable)	•
Current date	•
Machine hours	•
Trip distance (resettable)	•
Hours to service	•
Daily checks	
Engine oil level	•
DEF level	•
DPF status	•

RIGHT HAND SECONDARY DISPLAY	
Clock	•
Climate control	•
Fan speed	•
In cab temperature set	•
Machine hours	•
Rear view camera	•
Fuel use	•
Time and date	•
Auxiliary flow rate	+
Hydraulic oil temperature	•
Transmission oil temperature	•
Auto engine shutdown	•
Machine settings screen	
Coolant temperature	•
Engine oil pressure	•
Air filter	•
Transmission sump temperature	•
Transmission torque convertor temperature	•
Transmission sump temperature	•
Hydraulic oil temperature	•
Park brake pressure	•
Battery voltage	•
Help display	•
On-screen handbook	•
HYDRAULIC SYSTEM	
Smooth Ride System (SRS)	+
Hydraulic quick hitch with in cab isolation	+
Auxiliary ARV kit	+
Auxiliary hydraulic service	+
Twin auxiliary hydraulic service	+
Twin piston pumps with priority steer	•
Emergency steer back-up	•
JCB biodegradable hydraulic oil	+
Electronic hydraulic isolation	•
Automatic boom kick-out (detent)	•
Automatic bucket positioner	•
Front loader float	•
Indicator glass for hydraulic oil level	•
Hydraulic oil cooler	•

EXTERNAL EQUIPMENT	
Front and rear fenders	•
Full rear fenders	+
Front adjustable mud flaps	•
Front wheel spray guards	•
Rear fender chevrons	•
Full tyre coverage fenders	•
Automatic greasing system	+
Grease gun and cartridge	+
One piece electrical opening bonnet	•
Mesh air intake screens	•
Flexible bottom step	•
Full width rear counterweight	•
Recovery hitch	•
Lifting / tie down lugs	•
Rear counterweight chevrons	+
437 additional rear counterweight (+315kg)	+
PROTECTIVE EQUIPMENT	
Front cab screen guards	+
Wastemaster package: includes front and rear light guards, front screen guard, front and rear belly guards, rear light guards. Wastemaster decal.	+
Poor wills a road	
Rear grille guard	+
Fire system	+
	-
Fire system	-
Fire system Safety strut loader arm	+
Fire system Safety strut loader arm Light guards	+ • +
Fire system Safety strut loader arm Light guards Front belly guard kits	+ + + +
Fire system Safety strut loader arm Light guards Front belly guard kits Rear belly guard kits	+ + + + +
Fire system Safety strut loader arm Light guards Front belly guard kits Rear belly guard kits Articulation joint safety strut	+ + + + + +
Fire system Safety strut loader arm Light guards Front belly guard kits Rear belly guard kits Articulation joint safety strut	+ + + + + +
Fire system Safety strut loader arm Light guards Front belly guard kits Rear belly guard kits Articulation joint safety strut Rear fender hand rails	+ + + + + +

STANDARD • OPTIONAL +



ONE COMPANY, OVER 300 MACHINES.

#### Wheel Loader 427/437

- 427 Gross engine power: 123kW (165hp) Operating weight: 14,418kg Full turn tipping load: 8,603kg Standard shovel capacity: 2.4m³
- 437 Gross engine power: 145kW (195hp) Operating weight: 15,781kg Full turn tipping load: 9,625kg Standard shovel capacity: 2.7m³

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Download the very latest information on this product range at: www.jcb.com

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