

SPECIFICATIONS

Model		R430		
Type of ROPS / FOPS		CANOPY		
Model		D1803-CR-TIE4-WL5		
Emission certification		Tier 4		
Engine	Output (SAE J1995 gross)	HP (kW)/rpm	47.6 (35.5) / 2600	
	Output (SAE J1349 net)	HP (kW)/rpm	44.5 (33.2) / 2600	
	Displacement	cc	1826	
Transmission	Type	Hydrostatic transmission		
Dimensions	Overall length	mm	4265	
	Overall height	mm	2515	
	Overall width (w/o bucket)	mm	1520	
	Ground clearance	mm	280	
Auxiliary circuit	Auxiliary hydraulic flow	ℓ /min.	45.4	
	Auxiliary hydraulic pressure	psi (Mpa)	18.6	
Drive system	Tyre size		12.5 / 70-16-8PR	
	Travel speed	Low / High	km/h	4.8 / 20.0
	Max. traction force		kN	24.4
	Front axle traction lock		Limited slip differential	
	Articulation angle	deg.	40 (each direction)	
	Angle of rear frame oscillation	deg.	±8	
	Loader clearance circle		mm	3665
	Turning radius track circle		mm	3085
	Brakes	Service	Enclosed wet disc	
		Parking	Spring applied hydraulic released wet disc	
	Lifting specifications	Tipping load (straight) bucket (ISO14397-1)		kg
Tipping load (full turn) bucket (ISO14397-1)		kg	1735	
Rated operating capacity (50% of tipping load) bucket (ISO14397-1)		kg	868	
Operational specifications	Standard bucket capacity		yd ³	0.4
	Breakout force		kgf	2661
	Lifting capacity at ground level		kgf	1734
	Loader raise / lower time		sec.	4.4 / 3.3
Fuel tank		ℓ	54	
Hydraulic system		ℓ	58	
Hydraulic reservoir		ℓ	42	
Operating weight (Including operator weight @ 75 kg)		kg	3080	

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty information. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt for almost all applications.



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KUBOTA WHEEL LOADER R430

Versatile and powerful, the R430 is also compact, letting you do jobs in places that bigger wheel loaders can't go.



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SUPERIOR PERFORMANCE

Impressive power, excellent versatility, and a compact frame add up to superior performance for a wide range of jobs.

Powerful engine

The new R430's powerful engine produces 47.6 horsepower, a remarkable 20% increase over the R420's 39.2 horsepower. You'll appreciate that extra muscle when accelerating, pushing, and climbing hills.

Working range

With the R430's long dumping reach and high dumping clearance, all types of dumping jobs are now literally within reach, from quickly dumping into truck beds to efficiently performing pallet fork operations.

Versatility

The R430's compact body lets you get into tight places that bigger loaders can't. The compact size also means less risk of damage to both surroundings and the R430 itself. The R430 can even be used with a variety of attachments, including a bucket, pallet fork, grapple, and snow blade. With an R430 on the job, you'll soon make short work of a wide range of construction, industrial, and agricultural tasks.

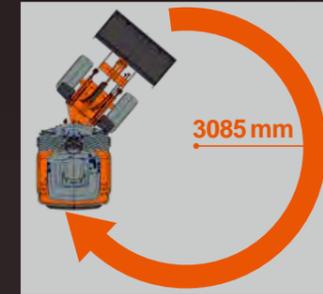
Load sensing transmission

As load conditions change, so do the R430's speed and torque, automatically shifting from high speed/low torque to low speed/high torque. A touch of a button reduces the maximum travel speed while maintaining full auxiliary hydraulic power.



Turning radius track circle

Excellent turning performance lets you work easily and confidently even in tight or narrow work areas.



Outstanding stability

The R430's long wheelbase that provides outstanding stability, combined with a 2085 kg tipping load*, let you work with ease and confidence under a variety of terrain conditions.

*with bucket



Limited slip differential

Mud, sand, snow, and other challenging terrain are no problem at all for the R430, thanks to its 4-wheel drive and limited slip differential. When one front wheel slips on loose or soft terrain, power is transferred to the opposite wheel, restoring traction to let you power through to firm ground.

COMFORTABLE WORK STATION

Small in size, the R430 is big in comfort, offering an ample work station to keep you working comfortably and efficiently all day long.

Stress-free work station

Comfort is the key to operator efficiency. That's why the R430 offers a supremely comfortable operator space for the operator. From the wide entry and ample leg room to the fully adjustable suspension seat, every detail is designed to reduce stress and fatigue and enhance comfort and operability. The 360° view lessens the risk of damage in tight work areas, further lessens operator stress.

Modern digital display

Familiar Kubota styling of the digital display is bright and easy to read like the other models in the compact wheel loader line. Machine functions and diagnostic indicators monitor the machine, freeing you to focus on the task at hand.



Suspension seat

Operators come in all sizes and shapes. That's why the R430 is equipped with a suspension seat that lets each operator find the optimum level of hip support, seat-back reclining angle, and seat position. Safety is always important, so the seat is equipped with a retractable seat belt.

- A** Cup holder
- B** Seat belt
- C** Parking switch
- D** Loader control lever
- E** AUX control lever
- F** FNR lever

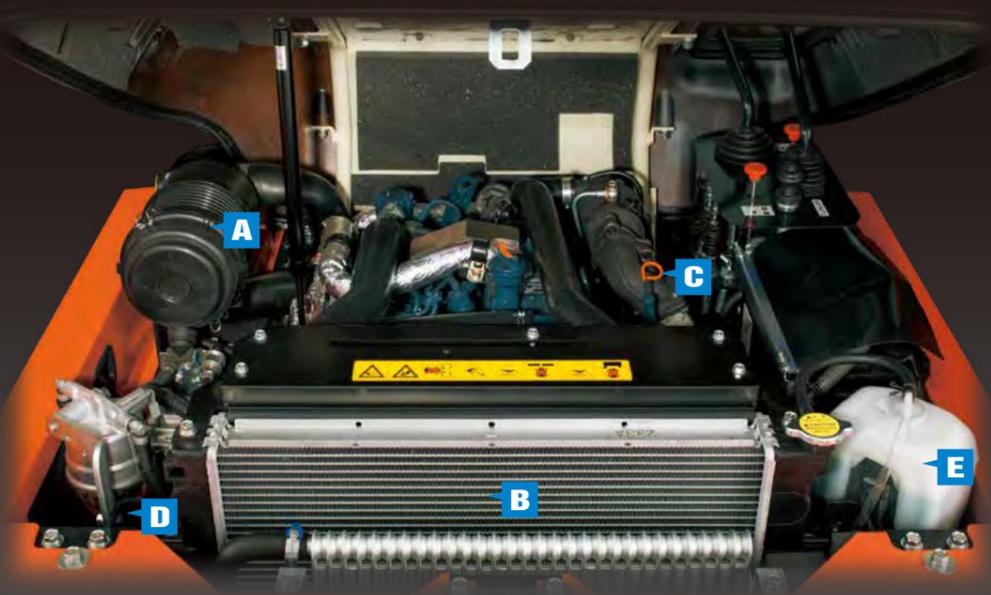
Hanging-style foot pedals

For increased foot space and a cleaner floorboard appearance, our wheel loaders are equipped with hanging-style foot pedals.



MAINTENANCE

Quick and easy access to key maintenance points keeps your R430's working longer in the field.



- A** Dual element air cleaner
- B** Radiator
- C** Oil dipstick
- D** Water separator
- E** Reserve tank

Pre-cleaner

Keep dust and dirt away from the engine and extend filter life to reduce maintenance costs.



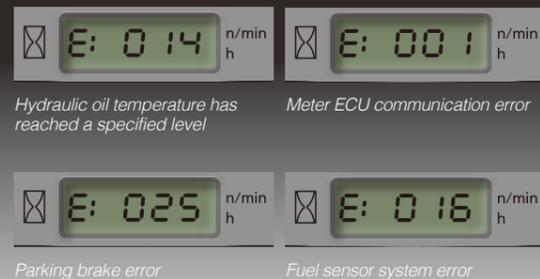
Easy maintenance

The R430 provides quick and convenient access to all key maintenance points, reducing downtime and maintenance costs. The engine bonnet at the rear opens wide to provide access to all the main service areas.

Digital meter

The easy-to-read digital meter displays the R430's operating status. Error messages inform the operator of problems, allowing for fast and appropriate maintenance.

• Error display



Fuel level indication buzzer

When refueling, a buzzer sounds to prevent overfilling and the potential hazards from fuel spills.

Tie down points

Tie-down points at various places on the R430 help ensure safe and secure transportation between work sites.

LED (Optional)

Bright work lights allow operations at night and in poor lighting.

Safety starting system

A safety start system eliminates engine starting mishaps, preventing the engine from starting until the electric shuttle shift and AUX lever are in neutral and the parking brake is set.

Automatic parking brake

When the engine is turned off, the parking brake automatically engages as a convenience to prevent the R430 from moving.

R430 OPTIONS

STANDARD EQUIPMENT

Safety

- 4 tie down points (front and rear)
- Parking brake
- Safety starting system
- Lift arm support
- Towing pin
- Articulate lock

Working equipment

- 2 Head lights (headlights and signal lights)
- Rear combination light (turn signal, tail light, brake light)
- Backup alarm
- Working lights

Operator's comfort

- Weight adjustable suspension seat
- Retractable seatbelt

- Digital panel with diagnostic function
- ROPS (Roll-over Protective Structure, ISO3471)
- FOPS (Falling Object Protective Structure, ISO3449)
- Side mirror
- 12V power outlet
- Cup holder

Engine/Fuel system

- Kubota original engine with DOC
- Double-element air cleaner
- Fuel level indication buzzer
- Water separator
- Air filter pre-cleaner
- Fuel filter
- Dust indicator

Travel system

- Two travel speeds
- Travel speed limiter switch on loader lever

- Limited slip differential (front)
- Wet type disc brake
- Spring applied hydraulic released wet disc (parking brake)
- 12.5/70-16-8PR (tyre)

Hydraulic system

- Hydrostatic transmission
- Inching and brake pedal
- Auxiliary hydraulic circuit
- Auxiliary hydraulic circuit operating lever
- Loader arm float function
- Hydraulic lever lock

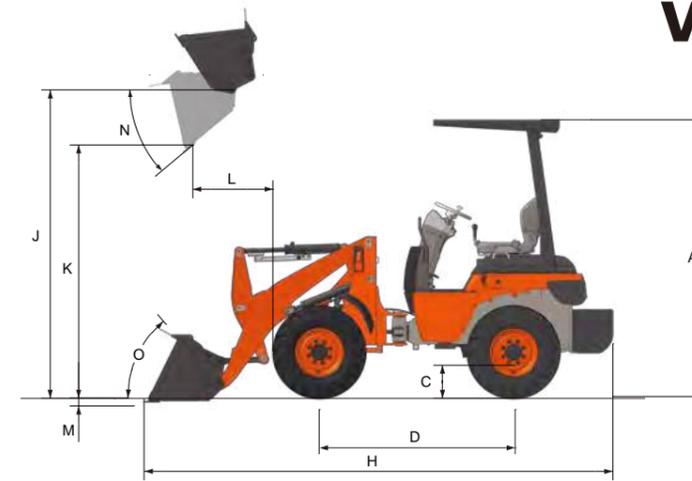
Others

- Maintenance free battery
- Grease gun holder
- Bucket auto leveling
- Mechanical quick coupler
- Bucket with teeth

OPTIONAL EQUIPMENT

- LED working light (front)

WORKING RANGE



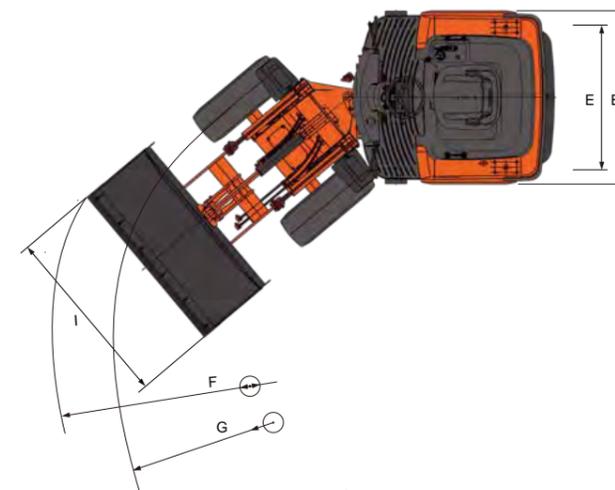
DIMENSIONS

A	Overall height	mm	2515
B	Overall width (w/o bucket)	mm	1520
C	Ground clearance	mm	280
D	Wheelbase	mm	1775
E	Tread	mm	1180
F	Loader clearance circle (w/ std bkt)	mm	3665
G	Turning radius track circle	mm	3085

BUCKET SPECIFICATIONS

H	Overall length	mm	4265
I	Bucket width	mm	1580
J	Height to hinge pin	mm	2805
K	Dump clearance	mm	2150
L	Reach fully raised	mm	805
M	Digging depth	mm	45
N	Dump angle fully raised	deg.	44
O	Rollback at traveling position	deg.	51

Note: The above dimensions are based on the machine with std. tyres, skid steer type quick coupler, standard bucket or standard pallet fork and ROPS/FOPS canopy.



★ All images shown are for brochure purposes only. When operating the wheel loader, wear clothing and equipment in accordance to local legal and safety regulations.