



For Earth, For Life  
Kubota

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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.



# 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.

## 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.

## 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.

## Outstanding stability

The R430's long wheelbase provides outstanding stability, letting you work with ease and confidence under a variety of terrain conditions.

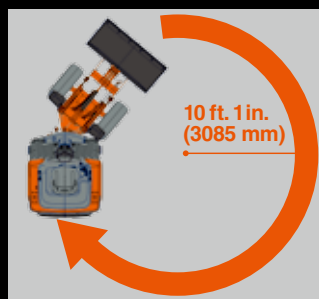
### Tipping load

lbs. (kg)	Canopy	Cab
With bucket	4596 (2085)	4949 (2245)
With pallet forks	3009 (1365)	3251 (1475)

\* Full turn (ISO14397-1)

## Turning radius track circle

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



## 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.

## 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.



## Rear backhoe kit (Option)

Kubota's rugged rear backhoe attachment expands the R430's versatility. With a digging depth of 7 ft. (2750 mm), this rear backhoe is ideal for compact trenching tasks.

# COMFORTABLE

Small in size, the R430 is big in comfort, offering a deluxe cab with air conditioning and heater to keep you working comfortably and efficiently all day long in every season.

## Stress-free work station

Comfort is the key to operator efficiency. That's why the R430 offers a supremely comfortable cab 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 out the front, sides, and rear lessen the risk of damage in tight work areas, further reducing operator stress. The cab is mounted on rubber pads to minimize sounds and vibrations and maximize ease and comfort.

## Air conditioning (Standard for cab models)

A complete climate control system with air conditioner/heater and vent system for optimized airflow ensure ideal operator comfort throughout the year.



# WORK STATION



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

## 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.

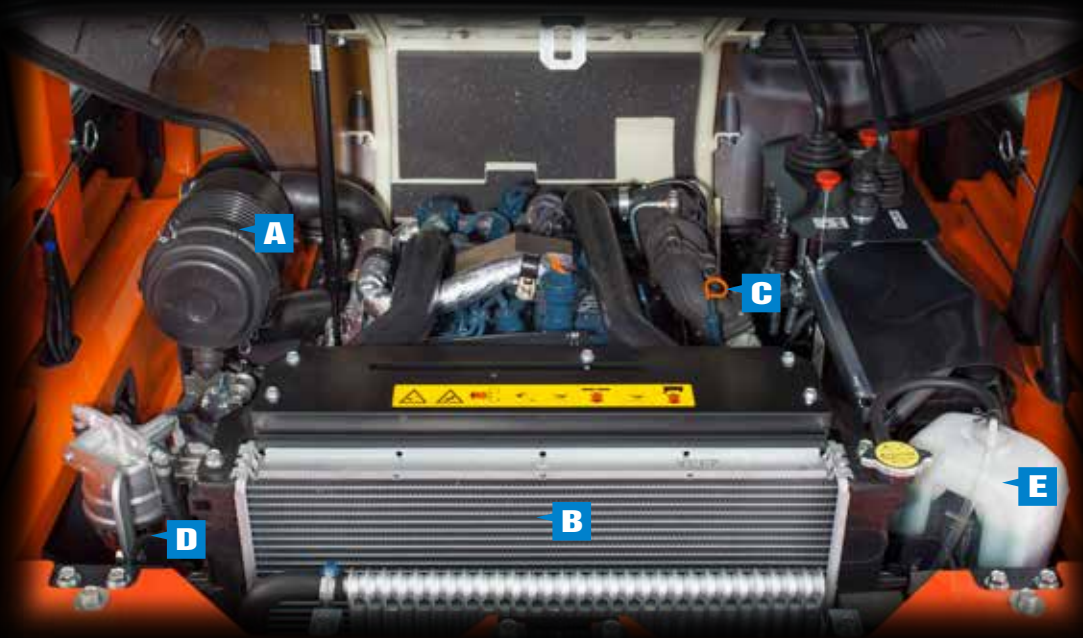
## Suspension seat

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.



# 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

## 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



Hydraulic oil temperature has reached a specified level



Meter ECU communication error



Parking brake error



Fuel sensor system error

## 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

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

### Engine/Fuel system

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

### Travel system

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

## OPTIONAL EQUIPMENT

- Cab with air conditioning
- Beacon light
- Rear working light
- LED working light (front)
- Air filter pre-cleaner
- Mechanical quick coupler
- Hydraulic quick coupler
- AM/FM radio
- Bucket auto leveling kit
- Rear backhoe

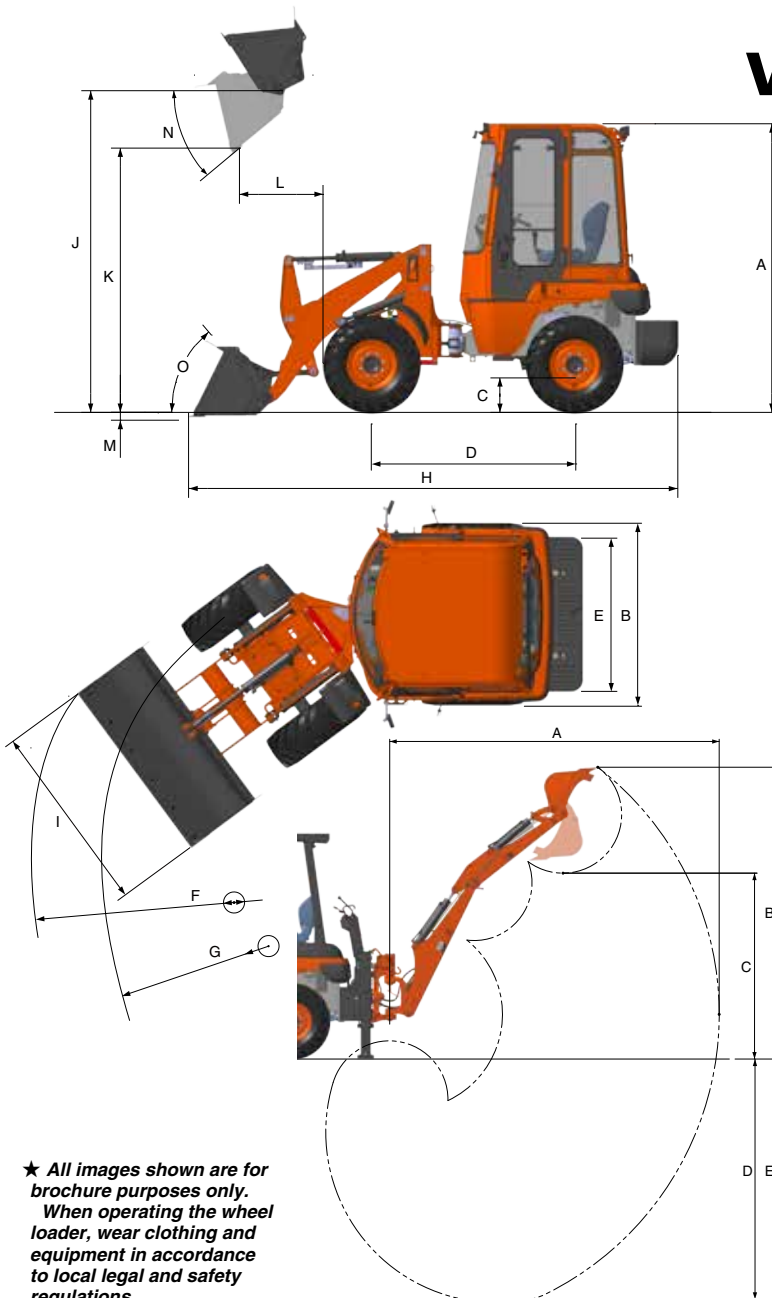
### Hydraulic system

- 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
- Radio ready (cab only)
- Grease gun holder

# WORKING RANGE



## DIMENSIONS

A	Overall height	ft.in. (mm)	8' 3" (2515)
B	Overall width (w/o bucket)	ft.in. (mm)	4' 12" (1520)
C	Ground clearance	in. (mm)	11" (280)
D	Wheelbase	ft.in. (mm)	5' 10" (1775)
E	Tread	ft.in. (mm)	3' 10" (1180)
F	Loader clearance circle (w/ std bkt)	ft.in. (mm)	12' 1" (3695)
G	Turning radius track circle	ft.in. (mm)	10' 1" (3085)

## BUCKET SPECIFICATIONS

H	Overall length	ft.in. (mm)	14' 3" (4355)
I	Bucket width	ft.in. (mm)	5' 2" (1580)
J	Height to hinge pin	ft.in. (mm)	9' 2" (2805)
K	Dump clearance	ft.in. (mm)	7' 2" (2185)
L	Reach fully raised	ft.in. (mm)	2' 9" (845)
M	Digging depth	in. (mm)	2" (45)
N	Dump angle fully raised	deg.	44
O	Rollback at traveling position	deg.	48

## BACKHOE SPECIFICATIONS

A	Reach from centerline of swing pivot	ft. in. (mm)	12' 2" (3700)
B	Overall operating height	ft. in. (mm)	10' 7" (3220)
C	Loading height	ft. in. (mm)	6' 8" (2040)
D	Digging depth (2" flat bottom)	ft. in. (mm)	8' 11" (2725)
E	Digging depth (maximum)	ft. in. (mm)	9' (2750)
-	Side shift (each way)	ft. in. (mm)	1' 7" (495)
-	Digging force bucket	lbs (kg)	4100 (1860)
-	Digging force arm cylinder	lbs (kg)	2755 (1250)

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

# SPECIFICATIONS

Model		R430		
Type of ROPS / FOPS		CANOPY / CAB		
Engine	Model	D1803-CR-TIE4-WL5		
	Emission certification	Tier 4		
	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	cu.in. (cc)	111 (1826)	
Transmission	Type	Hydrostatic transmission		
Dimensions	Overall length	ft.in. (mm)	14' 4" (4355)	
	Overall height	ft.in. (mm)	8' 3" (2515)	
	Overall width (w/o bucket)	ft.in. (mm)	4' 12" (1520)	
	Ground clearance	in. (mm)	11" (280)	
Auxiliary circuit	Auxiliary hydraulic flow	gpm (ℓ/min.)	11.1 (42.1)	
	Auxiliary hydraulic pressure	psi (Mpa)	2697 (18.6)	
Drive system	Tire size	12.5 / 70-16-8PR		
	Travel speed	Low / High	mph (km/h)	3.0 (4.8) / 12.4 (20.0)
	Max. traction force	lbs. (kN)		5485 (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	ft.in. (mm)		12' 1" (3695)
	Turning radius track circle	ft.in. (mm)		10' 1" (3085)
	Brakes	Service	Enclosed wet disc	
		Parking	Spring applied hydraulic released wet disc	
Lifting specifications	Tipping load (straight)	w/ bucket (ISO14397-1)	lbs. (kg)	5335 (2420) / 5743 (2605)
		w/ pallet forks (ISO14397-1)	lbs. (kg)	3494 (1585) / 3770 (1710)
	Tipping load (full turn)	w/ bucket (ISO14397-1)	lbs. (kg)	4596 (2085) / 4949 (2245)
		w/ pallet forks (ISO14397-1)	lbs. (kg)	3009 (1365) / 3251 (1475)
	Rated operating capacity (50% of tipping load)	w/ bucket (ISO14397-1)	lbs. (kg)	2298 (1042) / 2474 (1122)
		w/ pallet forks (ISO14397-1/SAE J1197)	lbs. (kg)	1504 (682) / 1625 (737)
Operational specifications	Standard bucket capacity	yd <sup>3</sup>		0.5
	Breakout force	lbs. (kN)		5215 (23.2)
	Lifting capacity at ground level	lbs. (kN)		3687 (16.4)
	Loader raise / lower time	sec.		4.4 / 3.3
Fuel tank	gal. (ℓ)		14.3 (54)	
Hydraulic system	gal. (ℓ)		15.3 (58)	
Hydraulic reservoir	gal. (ℓ)		11.1 (42)	
Operating weight (Including operator weight @ 165 lbs.)	lbs. (kg)		7758 (3519) / 8232 (3734)	

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