



For Earth, For Life  
Kubota

R

## KUBOTA WHEEL LOADER R540

Kubota's next-generation R540 wheel loader brings you comfort, easy operation, and all the power you need.



Kubota

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# Comfort, easy operation, and all the power you need.

Kubota's next-generation R540 wheel loader is built to get the job done quickly, easily, and efficiently. It is built for comfort, with a new, high-visibility cabin. It is also built for simple and productive operation, even for operators with novice experience. And it is built for performance, with enhanced productivity features and power to spare.



KUBOTA WHEEL LOADER

# R540



# OPERATOR COMFORT / EASE OF USE

Redesigned inside and out, the R540 wheel loader boasts a fully enclosed glass cabin for improved visibility, as well as a more ergonomic control layout.



## A Full-suspension seat

A full-size, full-suspension adjustable seat enhances operator comfort. The padded seat can be moved forward or back for optimum comfort.

## B Adjustable right wrist rest

This feature reduces fatigue by reducing arm movement and allowing you to more easily operate the hand lever.

## C Tilt steering

With the flick of a lever, the steering wheel can be tilted up or down to the most comfortable and efficient position for operators of all sizes.

## D Spacious cab

Large foot space provides physical comfort for the operator, whereas greater glass area enhances the feeling of spaciousness in the cab. All that means greater productivity during those long days on the work site.

## Full opening right window

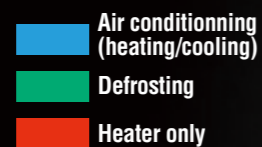
The window on the right side of the cabin opens fully to improve ventilation as well as communication with workers outside.

## New interior design

The spacious cabin's ergonomic layout is designed to keep you working comfortably from start to finish.

## Air conditioning

A powerful heating/cooling system and eleven vents provide optimum comfort on the coldest winter and hottest summer days.



## High-visibility cabin

Fully enclosed in glass, the high-visibility cabin offers the operator a panoramic perspective of the environment outside, with the pallet fork tips clearly visible from the driver's seat. The full glass door, and wide opening window provide excellent visibility to the left and right, while the rear window offers an unobstructed view when traveling in reverse.

## ROPS/FOPS cab and canopy

Manufactured and attached at the Kubota factory, both the Roll-Over Protective Structure (ROPS) and Falling Object Protective Structure (FOPS) meet the applicable ISO, SAE standards and OSHA regulations.



# PERFORMANCE

Long reach and excellent lifting power ensure superior performance for a wide range of loader tasks.

## Kubota original DI engine with CRS and DPF muffler

The new Kubota V2607 direct-injection engine is equipped with CRS and with a new and improved DPF which reduces maintenance by increasing the service intervals for both the regeneration filter and ash cleaner.



GROSS ENGINE OUTPUT

**51.0 HP**



**1520 kg**  
(Max. payload 50%, bucket)

Above figures are based on the machine with cab, standard tires and EU type quick coupler.

## Working range

A long reach and high clearance make all types of material handling jobs easy. The high clearance lets you load trucks with ease, while the superior reach makes pallet fork operations faster and more efficient.

## Arm tilt / Parallel movement

Transporting a fully loaded pallet with the pallet fork, Kubota's arm tilt/parallel movement structure keeps the load upright and steady, even while raising or lowering the lift arm.

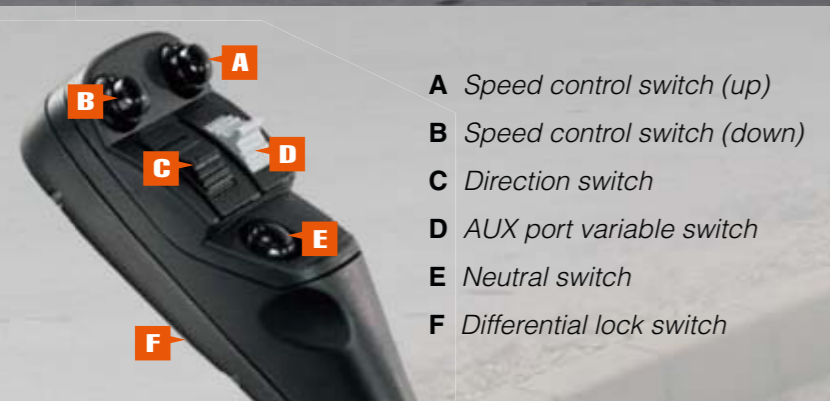
## Powerful lifting capacity

An improved lifting force provides smooth operation for the R540, while lifting and handling material in a variety of applications.

## Multi-function operating lever

All major loader functions are on a single lever that is easy to operate with just one hand. The 2-step speed control switch lets you quickly change speeds, allowing you to operate at optimum efficiency for the task at hand.

**3230 mm**



- A Speed control switch (up)
- B Speed control switch (down)
- C Direction switch
- D AUX port variable switch
- E Neutral switch
- F Differential lock switch



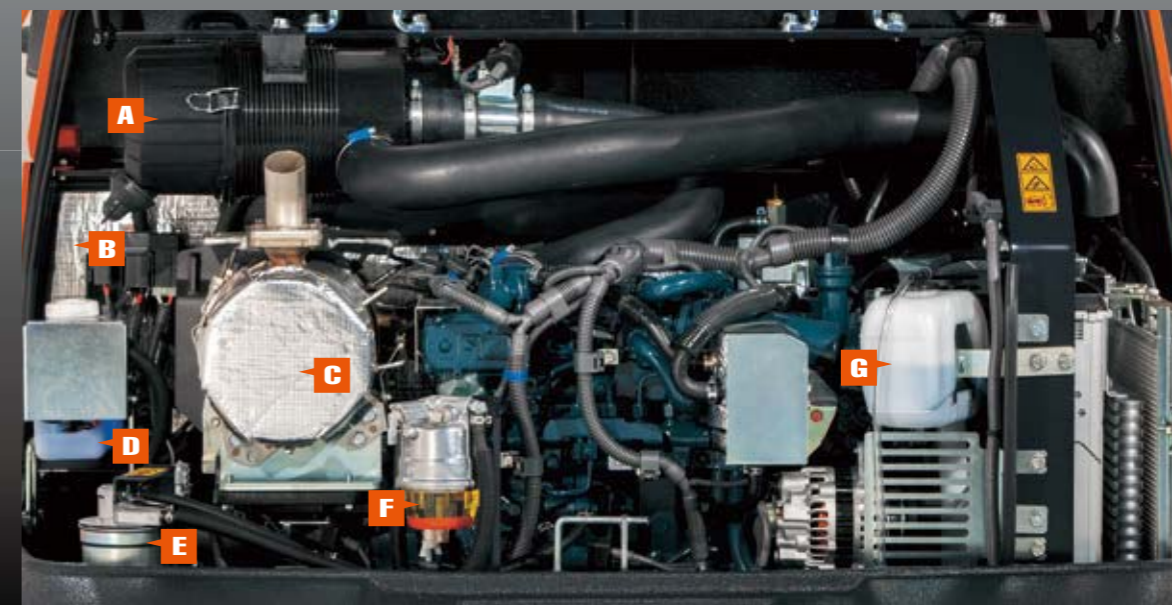
## Differential lock (100% On demand, front & rear)

Should the wheels start to slip, simply press the differential lock switch to immediately engage both front and rear wheels. The result is positive slip-free traction.



# SERVICE

Simple maintenance ensures that your R540 loader is productive.



## Easy maintenance

The engine bonnet at the rear opens wide, providing quick and easy access to the machine's main service areas. Items that require routine maintenance and service are within easy reach for fast and simple servicing. Quick-open panels on the right and left sides provide speedy access to the fuel refill (right side) and battery (left side). Other areas of the R540 are also easy to service and maintain.

- A DUAL ELEMENT AIR CLEANER**
- B BATTERY**
- C DIESEL PARTICULATE FILTER (DPF) MUFFLER**
- D WASHER TANK**
- E FUEL FILTER**
- F WATER SEPARATOR**
- G RESERVE TANK**

## New LED work lights

Bright LED work lights provide plenty of illumination for nighttime tasks.



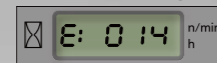
## Easy transportation

With an overall height below 2480 mm or less, the R540 fits easily under road bridges for fast and efficient transportation between job sites. Six tie-down points allow simple yet secure attachment to a truck bed for safety during transportation.

## Digital diagnostic indicators

A bright easy-to-read digital diagnostic indicator keeps you fully informed of critical loader and engine conditions.

### ■ Error display



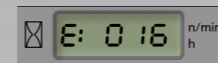
Hydraulic oil temperature has reached a specified level



Meter ECU communication error



Parking brake error



Fuel sensor system error



## Standard equipment

### Safety

- 6 Tie down points
- Lift arm support
- Towing pin
- Battery isolator
- Wheel chock

### Working equipment

- 2 Head lights (Headlights and Signal Lights)
- Hybrid Link System
- Rear combination light (Turn signal, Tail light, Brake light, Backup light)
- Bucket level indicator

### Operator's space

- Canopy (ROPS / FOPS Level1)
- Weight-adjustable suspension seat (PVC seat) with left arm rest and back rest
- Retractable seatbelt
- Adjustable right wrist rest
- Digital panel with diagnostic function
- Side mirrors
- 12V power outlet
- Tool storage space - Canopy models
- Tilt steering
- Cup holder

### Engine/Fuel system

- KUBOTA original engine
- Double-element air cleaner
- Pre-cleaner
- Fuel level indication buzzer
- Fuel / water separator
- Separate fuel filter

### Travel system

- Differential lock (100% on demand, front and rear)
- Wet type disc brake
- Negative brake (parking brake)
- Wide tire (12.5 – 18 tyre)
- Changeable 2-level travel speeds

### Hydraulic system

- Hydraulic Euro-type coupler
- Hydrostatic transmission
- Multi-function operating lever with AUX proportional control
- Hydraulic lock switch
- Inching and brake pedal (left)
- Hydraulic quick coupler switch
- Loader float switch

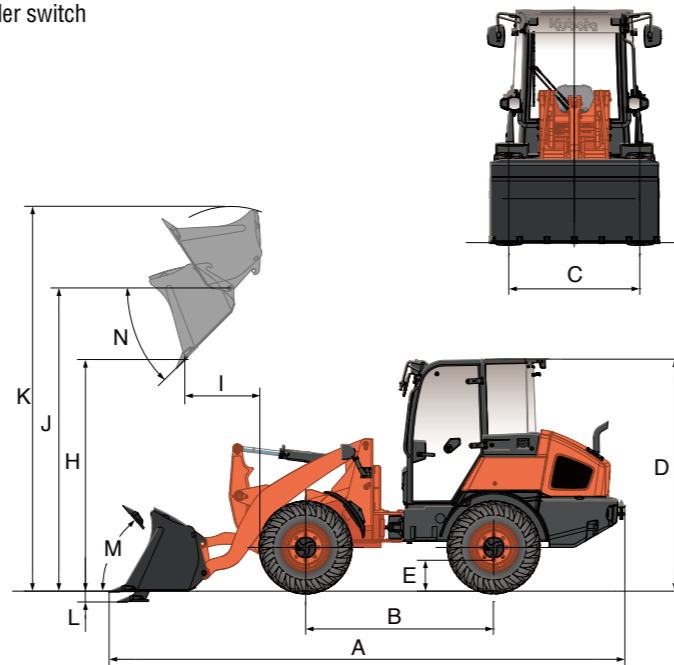
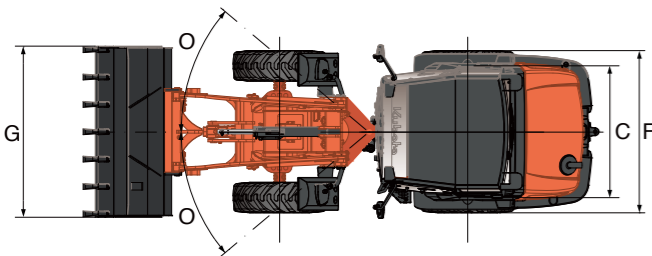
### Others

- Maintenance free battery
- Grease gun holder
- Radio ready

## Optional equipment

- Cab with air conditioner
- Beacon light
- Inching and brake pedal (right)
- Kubota Shockless Ride (KSR)
- Rear working LED lights
- Various buckets and other attachments
- Safety valve for lift arm
- Tool box for cab models

## Working range



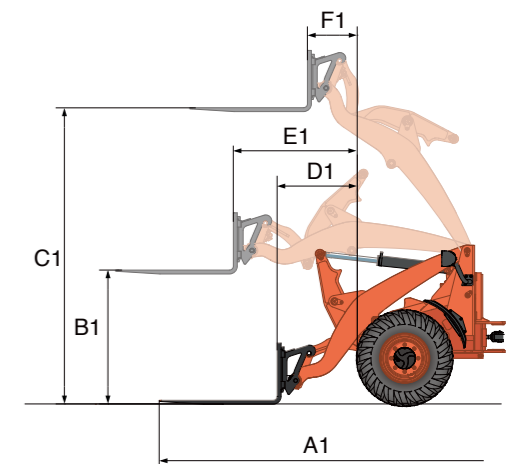
With bucket				R540	
				Standard bucket / Standard width	
Dimensions	A	Overall length	mm	5395	
	B	Wheelbase	mm	2000	
	C	Tread	mm	1355	
	D	Overall height (canopy / cabin)	mm	2460 / 2480	
	E	Ground clearance	mm	330	
	F	Overall width (outside of tyres)	mm	1680	
	G	Overall width (bucket)	mm	1820	
Working range	H	Dumping clearance	mm	2525	
	I	Dumping reach	mm	730	
	J	Max. hinge pin height	mm	3230	
	K	Max. lifting height	mm	3995	
Others	L	Digging depth	mm	110	
	M	Tilt back angle (at travelling position)	Deg.	50	
	N	Dumping angle	Deg.	45	
	O	Articulation angle	Deg.	40	

## Specifications

Model		R540		
Type of ROPS / FOPS		CANOPY / CAB		
Model		V2607-CR-E5-WL		
Engine	Emission certification	Tier4 Final		
	Output (SAE J1995 gross)	kW (HP)	38 (51.0)	
	Output (SAE J1349 net)	kW (HP)	35.7 (47.9)	
	Displacement	cc	2615	
Transmission	Type	Hydrostatic transmission		
Dimensions	Overall length	mm	5395	
	Overall height	mm	2460 / 2480	
	Overall width (w/o bucket)	mm	1680	
	Ground clearance	mm	330	
Auxiliary circuit	Auxiliary hydraulic flow	ℓ/min.	54	
	Auxiliary hydraulic pressure	MPa	18.5	
Drive system	Tyre size	12.5 – 18		
	Travel speed	km/h	0 to 20.0 / 0 to 20.0	
	Max. traction force	kN	29.1	
	Front / Rear axle traction lock	Diff. lock (both axles)		
	Articulation angle	deg.	40	
	Angle of rear frame oscillation	deg.	±8	
	Loader clearance circle	mm	4145	
	Turning radius track circle	mm	3440	
	Brakes	Service	Enclosed wet disc	
		Parking	Spring applied hydraulic released wet disc	
Lifting specifications	Tipping load (straight)	with bucket	kg	3280 / 3440
		with pallet forks	kg	2550 / 2670
	Tipping load (full turn)	with bucket	kg	2880 / 3020
		with pallet forks	kg	2240 / 2350
	Operating capacity	with bucket (50%)	kg	1440 / 1510
		with pallet forks (80%)	kg	1790 / 1880
with pallet forks (60%)		kg	1340 / 1410	
Operational specifications	Standard bucket capacity	yd <sup>3</sup>	0.68	
	Breakout force	kN	36.4	
	Lifting capacity at ground level	kN	30.1	
	Loader raise / lower time	sec.	6.5 / 4.5	
Fuel tank	ℓ	70		
Hydraulic system	ℓ	55		
Hydraulic reservoir	ℓ	39		
Operating weight (including operator weight @ 165 lbs.)	kg	4355 / 4520		

## Pallet fork specifications

With pallet fork attachment				R540	
Fork length		mm	1200		
Working range	A1	Overall length	mm	5895	
	B1	Height of forks at Max. reach	mm	1370	
	C1	Height of forks at Max. height	mm	3030	
	D1	Reach at ground level	mm	810	
	E1	Max. reach	mm	1255	
	F1	Reach at Max. height	mm	500	



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

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purpose only. Some of the items pictured in this brochure are optional, and not standard equipment.

Please contact your local Kubota dealer for warranty, safety or product information. For your safety, KUBOTA strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications.

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