

KUBOTA WHEEL LOADER RT270-2



Engine output (PS):
50

Machine weight (kg):
2600 / 2750

POWERFUL, MANOEUVRABLE AND VERSATILE

Each job requires a specialized tool. The RT-2 loaders are perfectly designed for all kinds of application, such as construction, gardening, public works and agriculture. With the perfect balance between performance, compactness, safety and comfort no job is too big for the KUBOTA wheelloaders.

SHAFT DRIVE TRANSMISSION

In low gear the RT270-2 has a traction force of 28.000N. This power is distributed to the front wheels with a drive shaft. The driver has all this power in low gear while having a drive speed of up to 30 km/h in high gear. The standard 100% differential lock keeps the machine going in tough conditions.



HYDROSTATIC TRANSMISSION (HST)

The hydrostatic transmission is equipped with high performance pump which guarantees an efficient transmission of the engine power to the wheels.



VRABLE



KUBOTA ORIGINAL ENGINE : POWERFUL, EFFICIENT AND LOW EMISSION

KUBOTA engine is known for its reliability and durability. It is strong and powerful with respect for the environment especially for noise and emissions.



Engine output

RT270-2: 50 PS

HEAVY DUTY CHASSIS

The thickness of the material used, the load resistance and the compactness are the key features of the chassis of the RT-2 series. In addition, the hydraulic tank is enclosed within the frame which provides additional counterweight.



PIVOTING ARTICULATION

With an articulation of 45° and an oscillating angle of 8.5°, the RT270-2 can drive through tight space's without creating any damage on the surface.



COMFORT / PERFORM MAINTENANCE

The drivers position of the RT270-2 is designed around the driver. All buttons and switches are easily reachable. The comfortable drivers seat has 2 armrest for optimal support during long work days. The optional closed cabin has a heater, radio and 4 workinglights.

DASHBOARD

The dashboard provides the operator with easy to read guages for both the fuel level & engine water temperature and with additional warning lights for engine oil pressure, water temperature and battery charge. Therefore, you can operate your wheel loader in full confidence.



MULTI-FUNCTION OPERATING LEVER AND STEERING COLUMN

The user friendly designed multifunction lever allows to control all the main functions of your articulated wheel loader: shuttle switch, auxiliary circuit (according to the versions) and, of course the front attachment functions. The steering wheel is tiltable in order to offer the best driving position to the operator.



PERFORMANCE

VERSATILE AND COMPACT

With a machine weight of 2600 kg for canopy version and 2750 kg for cabin version and a fork operating capacity of 1400 kg (straight position, standard tyres, without additional counterweight), the RT270-2 is the ideal articulated wheel loader for construction jobs which require power and manoeuvrability.



DAILY MAINTENANCE

The main components which require daily check such as engine oil level, coolant level, air filter and radiator are easily accessible, thanks to the wide opening engine bonnet. In addition, the offset battery off terminals allow a quick starting assistance in the event of battery default.



TRANSMISSION CONTROL

The hydrostatic transmission is controlled by a pedal located on the right side of the steering column. A simple action of the right foot on the pedal acts simultaneously on the engine rpm and also on the hydrostatic pump. The operator can control the travel speed with full concentration on the front attachments being used.



DELUXE CABIN (OPTION) WITH HEATER AND RADIO

The delux cabin on the RT270-2 is equipped with a heater to clear the mist on the windows and keep the driver warm during cold winters. Working lights give perfect vision allround in the dark.

SAFETY / SECURITY

A safe and comfortable driving position. The optional cabin is made to keep the driver warm during the coldest working hours. All canopy, foldable canopy and deluxe cabin are ISO approved ROPS/FOPS.

COUNTERWEIGHT

The counterweight is integrated in the rear part of the frame. Up to 2 additional counterweights of 62 kg are available as an option to improve the stability.



LIGHTING EQUIPMENT

The KUBOTA wheelloaders are equipped with a working light on the lifting arm. To increase visibility 5 more working lights, halogen or LED, can be added. Road lights can be fitted as an option to make the wheelloader road legal.



Kubota Genuine and Approved Parts

for maximum
performance,
durability and
safety



CABIN OR SAFETY CANOPY AND COMFORT SEAT

The RT270-2 is available with cabin or with canopy. In both case's, the protective structures are certified ROPS ISO3471 and FOPS ISO3449. In order to insure a good operating comfort, the seat is fitted with two arm rests and a safety belt.

Standard and optional equipments

• Standard equipment ○ Optional equipment

Model	RT270-2
Engine/Fuel system	
KUBOTA original engine (Stage V)	•
Double air filter	•
Oil cooler	•
Travel system	
Hydrostatic 4 wheel drive with automotive control	•
12 ton planetary axles (HD version) with 28.000 N pulling force	•
100% electrical differential lock on both axles	•
0-15 km/h 0-30 km/h	•
Hand throttle	○
Hand inching	○
Different tires	○
Hydraulic system	
Hydraulic quick coupler	•
Hydrostatic transmission	•
Inching and brake pedal (left)	•
Multi function joystick	•
Floating position	•
Lever behind joystick for AUX control (mechanical control)	○
Extra mechanical controlled AUX line	○
Electrical controlled AUX line	○
2nd Electrical controlled AUX line	○
Double gear pump	○
Single / double side stop	○
Safety vavles	○
Leak oil	○
Free return	○
Driving position	
Safety roof	•
Weight-adjustable seat with arm rests and back rest	•
Seatbelt	•
Tilt steering	•
Safety doors	•
Mudguard wideners	○

Tire	Width cm	Calc. Speed km/h
11.5/80-15,3 AS	110	30
31x15,5-15 AS	136	26
31x15,5-15 X-trac	137	28
31x15,5-15 SKID	137	28
400/50-15 Grass	135	27
33x15,5-15 X-trac	140	30
33x15,5-16,5 Grass	140	29
15.0/55-17 AS	133	30
480/45x17 AS	148	30
420/55-17 AS	140	30
425/55-R17 AS	138	29
425/40B17 GSP	138	30
440/50R17 AG	141	30
500/40x17,5 Flota 3	150	30

*Theoretical data

Model	RT270-2
Safetyroof deluxe	
Rear view mirrors	○
2 front and 2 back working lights on the roof ROPS (Roll-over Protective Structure)/ FOPS (Falling Object Protective Structure)	
Safety doors	
Foldable safety roof (clearance height 1845mm)	
Safety doors ROPS (Roll-over Protective Structure)/ FOPS (Falling Object Protective Structure)	○
Foldable safety roof (clearance height 1845mm)	
Rear view mirrors	
2 front and 2 back working lights on the roof	
Safety doors ROPS (Roll-over Protective Structure)/ FOPS (Falling Object Protective Structure)	
Cabin	
Cabin with heater	
2 front and 2 back working lights on the cabin	
Radio	
Side mirrors	
Emergency exit hammer ROPS (Roll-over Protective Structure)/ FOPS (Falling Object Protective Structure)	
Lighting	
Flashing warning light halogen	○
Flashing warning light LED	○
Traffic lights + 2 mirrors halogen	○
Traffic lights + 2 mirrors LED	○
Additional working light halogen	○
Additional working light LED	○
Other	
13 pin Trailer socket to the back	○
3 pin socket on the front or back	○
Reverse buzzer	○
Counterweight 62 kg (max 2)	○
Combination towing hook	○
Three point lifting mechanism CAT1 incl. Extra double acting Hydr. Funct. Mec	○
Parallel indicator on tilt cylinder	○
Kit engine heater 220v	○
Boom suspension*	○
Oscillation stabilizer*	○
Other QC	○

*For further information consult your local dealer.

Accessories

QUICK COUPLER

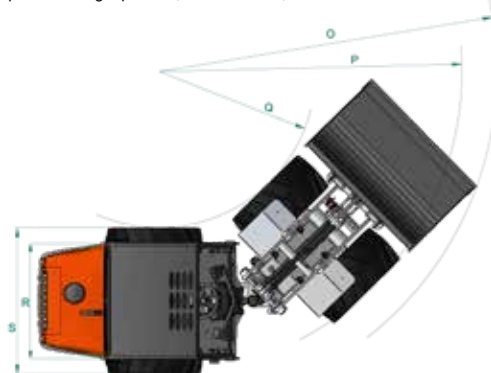
RT270-2 is equipped with hydraulic quick coupler for easy and fast change of attachments.



Specifications

Model		RT270-2	
Operating weight (canopy/cabin)		kg	2675 / 2825
Engine			
Manufacturer		Kubota	
Model		D1803 CR Stage V	
Horse power (ISO9249)		kW	37
		PS	50
Number of cylinders		3	
Displacement		cc	1826
Transmission			
Type		Hydrostatic with automotive control	
Operational specifications with pallet fork in straight position (ISO 14397) and tipping Load (G) measured on hinge point*		A	kg
		B	kg
		C	kg
		D	kg
		E	kg
		F	kg
		G	kg
Travelling			
Tyre size		11.5/80-15.3 AS	
Travelling speed		km/h	0-15 km/h 0-30 km/h
Traction force		N	28.000
Angle of oscillation		°	8,5
Auxiliary oil flow		l/min	51
Auxiliary oil pressure		bar	230
Noise level			
Sound pressure level (LpA)(canopy/cabin)		dB (A)	≤101
Sound power level (LwA (2000/14/EC))		dB (A)	≤101
Hand arm system vibration		m/s ²	≤2.5
Whole body vibration		m/s ²	≤2.5
Capacity			
Fuel tank		l	30
Hydraulic oil tank		l	54
Engine oil		l	5,6
Front / rear axle oil		l	5,5

* Tipping load measured on hinge point in straight position, standard tires, no additional counterweight.

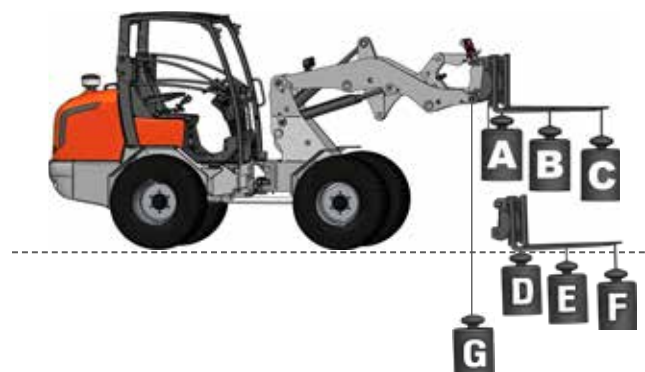


Dimensions

Machine dimensions*

Model		RT270-2	
A	Wheel base	mm	1648
B	Overall length without bucket	mm	3405
C	Overall length with bucket	mm	4177
D	Seat height	mm	1380
E	Overall height	mm	2339
F	Front frame height	mm	1398
G	Dumping height	mm	2209
H	Max. height at hinge pin	mm	2984
I	Max. lifting height at bucket	mm	3572
J	Roll back angle at ground level	deg	45
K	Roll back angle at max. height	deg	52,7
L	Dumping angle	deg	37,4
M	Rear climbing angle	deg	25,3
N	Diameter of standard wheel	mm	850
O	Turning radius with bucket	mm	2972
P	Turning radius (outer wheel)	mm	2560
Q	Turning radius (inner wheel)	mm	1460
R	Tread	mm	850
S	Overall width	mm	1100
—	Articulation angle	deg	45
—	Ground clearance	mm	325

*The data have been measured on the standard version. Specifications are subjects to be changed without notice.



★ 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.

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