

KUBOTA WHEEL LOADER RT220-2 α



Engine output (PS):
26

Machine weight (kg):
2350 / 2500

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 RT220-2 α has a traction force of 23.000 N. 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 20 km/h in high gear. With the limited slip differential, even the roughest terrains can be handled.



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

RT220-2 α : 26 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 44° and an oscillating angle of 4°, the RT220-2 α can drive through tight space's without creating any damage on the surface.



COMFORT / PERFORM MAINTENANCE

The drivers position of the RT220-2 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 gauges 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 2350 kg for canopy version and 2500 kg for cabin version and a fork operating capacity of 1225 kg (straight position, standard tyres, without additional counterweight), the RT220-2 α is the ideal articulated wheel loader for construction jobs which require power and manoeuvrability.



2450 mm



DELUXE CABIN (OPTION) WITH HEATER AND RADIO

The delux cabin on the RT220-2 α 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.

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.



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. An additional counterweight of 90 kg is 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 wheel loader road legal.



Kubota Genuine and Approved Parts

for maximum performance, durability and safety



CABIN OR SAFETY CANOPY AND COMFORT SEAT

The RT220-2α is available with cabin or with canopy. In both cases, 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

Model	RT220-2α
Engine/Fuel system	
KUBOTA original engine (Stage V)	●
Cyclone filter	●
Oil cooler	●
Travel system	
Hydrostatic 4 wheel drive with automotive control	●
8-tons planetaxler (HD version) med 23.000 N trækraft	●
Travel speed 0-10km/h 0-20km/h	●
Limited slip on both axles	●
Hand throttle	○
Hand inching	○
Pro inching	○
Different tires	○
Hydraulic system	
Hydraulic quick coupler	●
Floating position	●
Multi function joystick	●
Lever behind joystick for AUX control (mechanical control)	●
Inching and brake pedal (left)	●
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	●
Seatbelt	●
Tilt steering	●
Safety doors	●
Mudguard wideners	○

Accessories

QUICK COUPLER

RT220-2α is equipped with hydraulic quick coupler for easy and fast change of attachments.



Model	RT220-2α
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 1845 mm)	
Safety doors	○
ROPS (Roll-over Protective Structure)/	
FOPS (Falling Object Protective Structure)	
Foldable safetyroof deluxe (clearance height 1845 mm)	
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 90 kg + towing hook	○
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.

Tire	Width cm	Calc. Speed km/h
10.0/75x15.3 AS	108	20
27x10,5-15 SKID	116	17,7
29x12,50-15 Grass	123	-
31x15,5-15 AS	128	19,5
31x15,5-15 TR-06	128	19,6
31x15,5-15 Grass	128	20,1
31x15,5-15 SKID	128	20,4

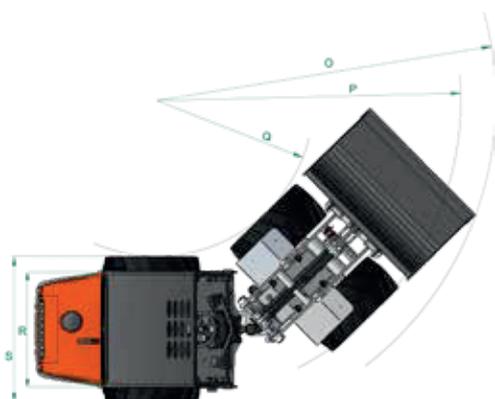
*Theoretical data



Specifications

Model	RT220-2α	
Operating weight (canopy/cabin)	kg	2350 / 2500
Engine	Kubota	
Manufacturer	V1505	
Model	19	
Horse power (ISO9249)	kW	26
	PS	4
Number of cylinders	1498	
Displacement	cc	
Transmission		
Type	Hydrostatique avec contrôle automatique	
	A kg	1740
Operational specifications with pallet fork in straight position (ISO 14397) and tipping Load (G) measured on hinge point*	B kg	1225
	C kg	935
	D kg	2945
	E kg	1750
	F kg	1230
	G kg	2260
Travelling		
Tyre size	23 x 8.5-12 AS	
Travelling speed	km/h	0~10 0~20
Traction force	N	23.000
Angle of oscillation	°	4
Auxiliary oil flow	l/min	45
Auxiliary oil pressure	bar	170
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/s2	≤2.5
Whole body vibration	m/s2	≤2.5
Capacity		
Fuel tank	l	37
Hydraulic oil tank	l	56
Engine oil	l	4,35
Front / rear axle oil	l	3,5

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

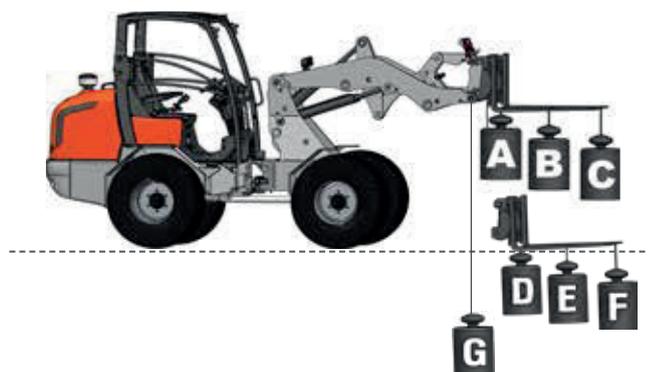


Dimensions

Machine dimensions*

Model	RT220-2α	
A Wheel base	mm	1580
B Overall length without bucket	mm	3145
C Overall length with bucket	mm	3830
D Seat height	mm	1256
E Overall height	mm	2300
F Front frame height	mm	1250
G Dumping height	mm	1680
H Max. height at hinge pin	mm	2450
I Max. lifting height at bucket	mm	3040
J Roll back angle at ground level	°	41
K Roll back angle at max. height	°	46
L Dumping angle	°	37
M Rear climbing angle	°	29
N Diameter of standard wheel	mm	760
O Turning radius with bucket	mm	2650
P Turning radius (outer wheel)	mm	2342
Q Turning radius (inner wheel)	mm	1230
R Tread	mm	890
S Overall width	mm	1080
_ Articulation angle	°	44
_ Ground clearance	mm	220

*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.

To configure this machine to your specification, please contact your Kubota dealer.

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