For Earth, For Life

Kubota

RTV

KUBOTA RTV-SERIES

RTV 520 – RTV X-1110







Life’s no fun without it

The new manoeuvrable and powerful RTV 520 is a versatile utility vehicle for private and hobby use, as well as for professional applications such as maintaining green spaces, carrying out forestry work, or use on construction sites or in municipal applications. It enables you to complete your tasks even faster and more easily. The beauty of the RTV 520 is that it is simple use and handle but still meets all your requirements in terms of performance, comfort and application possibilities.



With the RTV 520, you get a lot done

The new RTV 520 from Kubota combines the best of both worlds: great working comfort and high performance. You benefit from more efficient working in more areas with this manoeuvrable machine. Step up to the RTV 520 and experience a higher standard of performance and comfort.

The key for a utility vehicle like the RTV 520 is that it has to make your job easier. And that's exactly what this great machine does – thanks to easy operation, low maintenance and the improved protection of key components.





Operator platform

Plenty of space, a plush suspension system and a quiet, low-vibration engine delivers a comfortable ride to your chosen destination—even on unruly terrain.

Heavy-duty cargo bed

The RTV 520 has a large, easy-access, high-capacity cargo bed that gives you plenty of room to work.

Engine

The powerful 2-cylinder EFI Kubota engine delivers up to 18 HP for dependable everyday performance.

Accessories

There is a wide range of accessories available for the RTV 520, allowing you to customise it according to your precise requirements.

Transmission

The 2 ranges hydrostatic transmission delivers great performance on any terrain, with smooth and powerful acceleration. Driving at low speeds is a real pleasure thanks to easy throttle control, excellent traction and improved manoeuvrability.

Makes work easy
When you operate the RTV 520, you have the reassurance that your work will be easy. In daily use, you benefit from its excellent manoeuvrability, smooth, acceleration and lower operating noise.

Comfort is essential
The RTV 520 not only promises a great driving experience – it delivers. Its improved suspension system and softer seats give you a comfortable, relaxed ride, even on the longest working days.

Easy to use
The vehicle has been designed so that even inexperienced drivers can operate it easily. This is aided by its variable hydrostatic transmission (VHT).

Great load mover
The RTV 520 has a large and robust loading area. It will handle whatever you ask of it, even in tough applications.



#Engine

Strong, quiet power is as impressive as it is fun to use

The 2-cylinder engine of the RTV 520 delivers quiet, reliable power in every work situation. This durable Kubota engine is equipped with Electronic Fuel Injection, making it highly efficient and ensuring constant power throughout the day.

The reliable, 18 hp 2-cylinder petrol engine has plenty of power for all the demands of daily work tasks – from towing to transport and more. The RTV 520 does all the jobs you need it to.

Highly efficient engine
To improve the engine's efficiency, it features liquid cooling. Electric fuel injection (EFI) makes cold weather starting easier and provides instant power through improved throttle control.

Pleasantly quiet
It's not just powerful and efficient: the new liquid-cooled 2-cylinder engine from Kubota is pleasantly quiet. This keeps noise to a minimum and means quieter working and reduced stress.





Full trailer load
Thanks to the RTV 520's reliable engine power and versatile trailer hitch, if boasts a towing capacity of up to 530 kg.

Well-protected radiator
A protective grille in front of the radiator prevents it from becoming clogged with grass or mud. A simple 'window' aperture makes it easily accessible for cleaning and maintenance.

Maintenance made easy
The radiator is located on the right-hand side, making it quick and easy to access for maintenance work. The maintenance components under the cargo bed are also easily accessible. This is ensured by the large opening of the cargo bed and the 55° opening angle. The transmission also has no belts, which eliminates one component that is usually difficult to repair and can easily break. The benefit to you is that maintenance is significantly reduced.

#Gearbox



Smooth power for high productivity

The RTV 520's variable hydrostatic transmission (VHT) delivers exceptional performance on any terrain – from hills or forest work to intricate garden layouts. This not only guarantees high productivity, but also improves safety.

The RTV 520's variable hydrostatic drive provides smooth and powerful acceleration at low speeds. The one-pedal operation when driving downhill is especially useful and comes into its own even more with work that requires frequent stops. In addition, this form of traction drive offers higher torque, which makes a big difference during transport and pulling work.

Easy to drive
The RTV 520 is designed so that even inexperienced operators can easily control it. This is made possible by the variable hydrostatic transmission (VHT) with its one-pedal operation, smooth acceleration and dynamic braking. So you get not only smooth operation but also a reassuring driving experience.

Perfect for tough terrain
The advantages of the variable hydrostatic drive include outstanding traction and excellent reliability. This makes the RTV 520 the first choice for work on demanding terrain.

Easy to steer and turn
The RTV 520's steering system makes manoeuvring a breeze. The biggest benefit is that it leaves you less tired and more productive at work, even after a long working day.



#Working comfort



Do a great job in comfort and relaxation

If you can work in a relaxed and comfortable manner, you simply achieve more. The RTV 520 offers the ideal conditions for this, because it places great emphasis on operating and working comfort. As a result, you consistently achieve excellent results and feel really comfortable in your “workplace” at all times.

Working with the RTV 520 means enjoying the smooth, comfortable ride thanks to improved suspension and softer seats. Improvements to the engine also ensure less vibration and an easier, more comfortable ride.

Sitting comfortably
The matt black, contoured seats for operator and passenger are equipped with 30% softer padding. Together with the low-vibration engine, this increases comfort, especially on long rides. Another practical plus is that the seat bench can be folded upwards to give access to the battery and radiator, while also providing additional storage space.

Ergonomic dashboard
The ergonomic dashboard puts everything at your fingertips. It includes a digital hour meter with integrated fuel gauge, temperature gauge, light switch and horn, a 12-volt socket and the operating lever for two-wheel and four-wheel drive.



Powerful suspension
The RTV 520 has a new five-link rear axle. This prevents the vehicle from bottoming out and improves operator comfort even over rough terrain.

#Work performance

With you through thick and thin

The compact dimensions of the RTV 520 should not hide the fact that it is a true performance giant – enabling you to quickly complete every item on your to-do list.





Highly resilient load area
The load floor is a crucial performance factor for vehicles like the RTV 520. That is why Kubota has equipped the machine with a large tiltable cargo bed with a maximum payload of 200 kg. The wide tailgate gives you plenty of room to work and makes loading and unloading easy. No matter what the day brings, you’ll be ready.

For tough applications
The robust metal loading surface withstands even tough tasks. Sturdy steel hooks for lashing the load ensure that everything stays in place, even over rough terrain.

Solid underbody protection
In rougher conditions, the underside of the vehicle requires reliable protection. On the RTV 520, key areas such as the axles, the underbody under the load floor and the driver’s platform have been given additional special protection.

High ground clearance
Rough terrain can hold many surprises for vehicles with low ground clearance. Not for the RTV 520. Its front axle has a ground clearance of 225 mm. This means that it can take bumps and smaller obstacles in its stride.



#Technical data

Model		RTV 520
Available body colours		Kubota Orange/Realtree® AP Camo
Engine		
Model		GZ520-E3F-UV
Type		EFI Water-cooled, 2-cylinder petrol
Displacement	cm^3	514
Net Power ECE-R24	kW (hp)	13 (17.7)
Transmission		
Type		Variable Hydraulic Transmission
Gear selection		Hi-Lo range forward, neutral, reverse
Maximum travel speed	km/h (mph)	0-32 (0-20)
4WD system (rear differential)		Hand operated differential lock
Suspension		
Front suspension		Independent (McPherson)
Front suspension travel	mm	105
Rear suspension		Semi-independent (5 links)
Rear suspension travel	mm	130
Ground clearance		
Rear axle	mm (inch)	225 (8.8)
Front axle	mm (inch)	170 (6.7)
System		
Seat belts		2-points
Dimensions		
Length	mm (inch)	2,670 (105.1)
Width	mm (inch)	1,390 (55.1)
Overall height	mm (inch)	1,880 (74)
Front tread centers	mm (inch)	1,020 (40.2)
Rear tread centers	mm (inch)	1,040 (41)
Wheelbase	mm (inch)	1,800 (70.9)
Turning radius	m	3.45
Weight	kg	625
Towing capacity	kg	530
Payload capacity	kg	425
Cargo bed		
Material		Steel
Width × Length × Depth	mm (inch)	1,033 (40.7) x 854 (33.6) x 286 (11.3)
Loading height (unloaded)	mm (inch)	874 (34.4)
Cargo bed load	kg	200
Dumping system		Manual lift
Fuel tank capacity	l	19.2
Front guard design		Center and bumper

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The values in “Ground clearance” and “Weight” are those with the machine equipped with the tyres inn the table above. Some RTVs in this brochure are shown with optional accessories. For off-highway use only.

The easiest way to get where you want to be



Kubota’s new multi-purpose vehicle literally goes with you through thick and thin. Thanks to its excellent off-road characteristics, the RTV X-1110 will take you wherever you want to go, no matter how rough and remote the location. Whether for professional or private use – it guarantees plenty of load capacity as well as a high level of driving comfort.



Did you know?

Did you know that Kubota produces its own engines and that Kubota is the global market leader for industrial diesel engines under 100 hp? You might be surprised to learn under which bonnets Kubota engines are at work. Top quality and efficiency are the main ingredients of this success.

The RTV X-1110 takes you everywhere

The rugged new RTV X-1110 by Kubota is a commercial vehicle in the best sense of the word. With this multi-purpose vehicle, you and your material will reach your destination quickly, safely and comfortably – no matter how steep and rough the terrain may be.

Regardless of whether you need it for agricultural use, municipal applications, rough maintenance or transport tasks in equestrian sports, large nurseries or hunting – the new Kubota multi-purpose vehicle always ensures that you get where you want to go.



Operator platform

The level platform, tilting steering wheel, digital display and plenty of storage space create an ideal working environment.

Hydraulic system

The high-power hydraulic system provides effortless power steering, convenient hydraulic tilting of the cargo area and hydraulic connections for connecting implements.

Engine

The 3-cylinder Kubota engine delivers a powerful 25 hp. The engine compartment can be easily accessed for maintenance.



Options and accessories

Numerous options are available to extend the range of applications of the RTV X-1110. These include a front lifter, front cable winch, work lights, hydraulic distributor and much more.

Transmission

Kubota's heavy-duty VHT-X transmission ensures rapid acceleration and powerful dynamic braking. Features two speed ranges (high or low) and single-pedal operation.

Created for the most demanding tasks
While other multi-purpose vehicles are equipped with continuously variable belt drives, the RTV X-1110 is the only one in its class with a true, heavy-duty hydrostatic transmission. Together with Dynamic Brake Assist, it guarantees maximum quality, performance, durability and safety.

Powerful and reliable
Kubota's liquid-cooled 3-cylinder engine offers the best of both worlds: high performance and low fuel consumption.

Effortless steering
Another distinctive feature of this machine is that the RTV X-1110 is the only multi-purpose vehicle on the market that is equipped with hydraulic power steering.

Wide range of applications
The powerful hydraulic system allows the use of various hydraulically operated attachments – from front mounted implements to rear mounted spreaders. Another standard feature is the hydraulic tipping system for the cargo area, which makes loading and unloading much easier.



#Engine

Powerful performance, wherever you need it

With its 3-cylinder engine, the RTV X-1110 features impressive pulling power and improved emissions quality thanks to the Kubota-exclusive E-TVCS combustion system. You will also appreciate the lower noise level and ease of maintenance.

The Kubota liquid-cooled 3-cylinder diesel engine delivers not just powerful but also clean performance. This is ensured by the E-TVCS combustion system (Three Vortex Combustion System). Thanks to a sophisticated combustion chamber design, this results in significantly better exhaust emission values.

High-efficiency air filter
With its easy-to-clean twin air filter, the large component collects medium-sized particles while the small unit filters out the smaller particles. This means that only clean fresh air reaches the intake system.

Large-volume fuel tank
With a capacity of 30 litres, the fuel tank is amply proportioned for a long working day. The optimally positioned tank features a wider filler neck for easy refuelling.





High-performance radiator
The wide spacing of the cooler fins ensures improved airflow through the radiator. Its frontal mounting guarantees a maximum airflow. The removable protective grille of the easy-to-clean radiator keeps out coarse dirt particles.

Audibly quieter
The semi-floating valve cover and molybdenum sulphide coated pistons reduce the noise level of the engine by up to 2.0 dBA compared to conventional diesel engines. At the same time, the vibrations transmitted by the valve area are reduced. This means that the engine runs more quietly.

#Transmission



Precise control and excellent traction on any terrain

The unique VHT-X gearbox delivers excellent performance under the most demanding operating conditions. Thanks to dynamic braking, safety is maintained even when driving downhill with a trailer.

The VHT-X variable hydrostatic transmission is directly mounted on the rear of the engine. Whatever terrain you are driving on, the hydrostatic drive with single-pedal operation ensures a continuously variable drive under all conditions – unlike a belt drive, which is more susceptible to slippage.

Dynamic braking
Unlike rival machines, the RTV X-1110 is equipped with a brake assistant. On this machine, the hydraulic pressure remains in the gearbox, allowing the drive system to control the deceleration of the machine. This makes it easier to control braking when transporting heavy loads or when towing a trailer on slopes. It also extends the life of the braking system.

2-speed group gear with reverse gear
The RTV X-1110 features an easy-to-reach, easy-to-shift group transmission system. The selection of the appropriate driving range (fast/slow) prevents any potential torque overload of the transmission in difficult off-road conditions.



#Heavy-duty version



Excellent stability for rough terrain as standard

A machine designed for use in the roughest terrain needs to be able to withstand a lot of punishment. Kubota has equipped and designed the RTV X-1110 in such a way that it enables highly productive and reliable work under all load situations.

The RTV X-1110 literally brings the very best of framework conditions for use on even the most difficult terrain. This is because its stable, load-bearing, fully welded steel frame gives it a high degree of structural rigidity. The robust underbody protection reliably protects important drive components. A further plus on rough terrain is the high ground clearance of 265 mm.

Always safely on track
Thanks to independent wheel suspension, all four wheels remain in permanent contact with the ground, regardless of the terrain. This has several advantages: increased safety, improved driving comfort and less tyre wear.

Limiting slippage
The machine has a self-locking differential on the front axle and a mechanical rear axle differential, both of which you can shift easily and quickly. The rear differential can be locked temporarily or permanently. This allows you to limit wheel spin on soft ground.



Adjustable suspension
You can adjust the front and rear axle suspension of the RTV X-1110 to suit the load and stress. This feature ensures smooth and comfortable response for a safe drive.

#Hydraulics

You can expect a lot from this machine

The RTV X-1110 is not only a universal work-horse, but also a veritable beast of burden. Its large hydraulically tiltable cargo area offers ample space for a wide variety of load types.





Sensitive steering
Kubota is currently the only manufacturer that offers such a sensitive steering system. The hydraulic power steering allows you to steer the RTV X-1110 effortlessly on all types of terrain and gives you full control in every situation.

Heavy loads are a breeze
The RTV X-1110 has plenty of load capacity. Its large cargo area with a maximum tipping load of 500 kg provides the ideal conditions for a highly productive working day. The tailgate can be folded down for convenient loading and unloading of bulky loads.

Simple tipping
The RTV X-1110 is the only all-terrain vehicle in its class on the market that comes with hydraulic tipping as standard. Even heavy loads can be easily discharged. It is easily operated by lever while manual operation is also possible if you need it.

Front power lift and front cable winch
As an option, the vehicle can be equipped with a front power lift with 500 kg of lifting capacity and a double-acting hydraulic valve, as well as a front cable winch with 1,800 kg of traction power. This means that its front attachment space can be efficiently exploited to the full.



Getting the job done more efficiently and productively

To achieve the best possible results, you need an optimised, pleasant workplace. Kubota is conscious of this and has therefore equipped the cabin of the RTV X-1110 with an extra portion of comfort. As a result, nothing stands in the way of highly productive working days.



Tilting steering wheel
The comfortable operator's seat is made from hard-wearing material and can be adjusted to suit your needs. You can also individually set the tilt of the steering wheel to match your sitting position. If you need to frequently get in and out, you will appreciate the practical seat design.

Perfectly level floor
Thanks to the level floor, you can climb on both sides of the platform quickly and conveniently – perfect for tasks where you frequently need to leave the cabin. It is also quick and easy to clean. Last but not least, a flatter, cleaner floor means more safety for the operator as well.



Ideal for the cold season too
The roof heater with its two-stage blower ensures comfort inside the cabin. The warm air circulation ensures increased cabin comfort even in freezing temperatures. Special nozzles for the windscreen prevent it from fogging.



Always well informed
All the important data, including speed, kilometres travelled and hours worked, is shown on the illuminated digital display in an easy-to-read format.



Excellent visibility and climate
The front screen can be opened completely horizontally and the glass doors can be removed without tools if necessary. This provides you with natural ventilation in summer, for example, and an unrestricted view to the front in all seasons.

Exploiting the machine's full potential

The RTV X-1110 comes with an excellent level of standard equipment. This is reflected in its extensive range of applications. In addition, Kubota offers a number of interesting options for this multi-purpose vehicle if you want to make the most of its potential.



Protecting the drive joints
The splash guard for the front and rear drive joints is a good investment if you expect a lot of soiling and dirt.



Turning night into day
To enable you to use the RTV X-1110 in the dark, optional work lights are available for the front and rear. This means you can keep everything fully under control, even at night.



Front lifter and front cable winch
The machines can be equipped with a front power lift with 500 kg lifting capacity and double-acting hydraulic valve as an optional extra. In addition, you can choose to specify a front cable winch with a pulling force of 1,800 kg. This allows you to literally get things moving.



Wide choice of tyres
Whether you need tyres that are gentle on the ground or provide increased grip – the RTV X-1110 offers you a choice of different tyres to suit the respective application requirements. Light alloy rims are also available.

Model			RTV-X1110
Available body colours			Kubota Orange/Realtree® AP Camo
Engine			
Make			Water-cooled, 3-cylinder diesel
Type			3-cylinders, 4-cycle, diesel, OHV
Displacement		cm^3	1,123
Net Power ECE-R24		kW (hp)	17.8 (24.2)
Cooling system			Liquid
Transmission			
Type			Variable Hydraulic Transmission (VHT-X)
Gear selection			Hi-Lo range forward, neutral, reverse
Maximum travel speed		km/h (mph)	0-40 (0-25)
4WD system	**Front differential**		Limited-slip differential
	Rear differential		Foot operated differential lock
Suspension			
Front suspension			Independent, Dual A-arms with coil over shock with adjustable spring preload
Front suspension travel			205
Rear suspension			Independent, Dual A-arms with coil over shock with adjustable spring preload
Rear suspension travel			205
Ground clearance			
Rear axle ROPS/CABIN		mm (inch)	265 (10.4)/252 (9.9)
Front axle ROPS/CABIN		mm (inch)	259 (10.2)/257 (10.1)
Headlights			Two, 37.5 watt halogen
Occupant Protective System			
Seat belts			2-points
Dimensions			
Length		mm (inch)	3,130 (123.2)
Width ROPS/CABIN		mm (inch)	1,605 (63.2)/1,654 (65.1)
Overall height		mm (inch)	1,998 (78.7)
Front tread centers		mm (inch)	1,240 (48.8)
Rear tread centers		mm (inch)	1,240 (48.8)
Wheelbase		mm (inch)	2,045 (80.5)
Turning radius		m	4.0
Weight (Gross)			
ROPS/CABIN		kg	1,000/1,090
Towing capacity			
Unbraked/Inertial-braked		kg	450/590
Payload capacity			
ROPS/CABIN		kg	545/455
Cargo bed			
Material			Steel
Width × Length × Depth		mm (inch)	1,465 (57.7) × 1,030 (40.6) × 285 (11.2)
Loading height (unloaded)		mm	887
Cargo bed load		kg	500
Dumping system			Hydraulic power lift
Fuel tank capacity		l	30
Tyres			
Front	**ATV**		25×10-12, 6-ply
	HDWS		25×10-12, 6-ply
Rear	**ATV**		25×10-12, 6-ply
	HDWS		25×10-12, 6-ply
Front guard design			Center and bumper
Alloy wheel			Option
Hydraulic bed lift			Standard

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