For Earth, For Life

Kubota

KUBOTA WHEEL LOADER

RT100-2

Engine output (PS):	Machine weight (kg):
20	**1100**

POWERFUL, MANOEUV AND VERSATILE

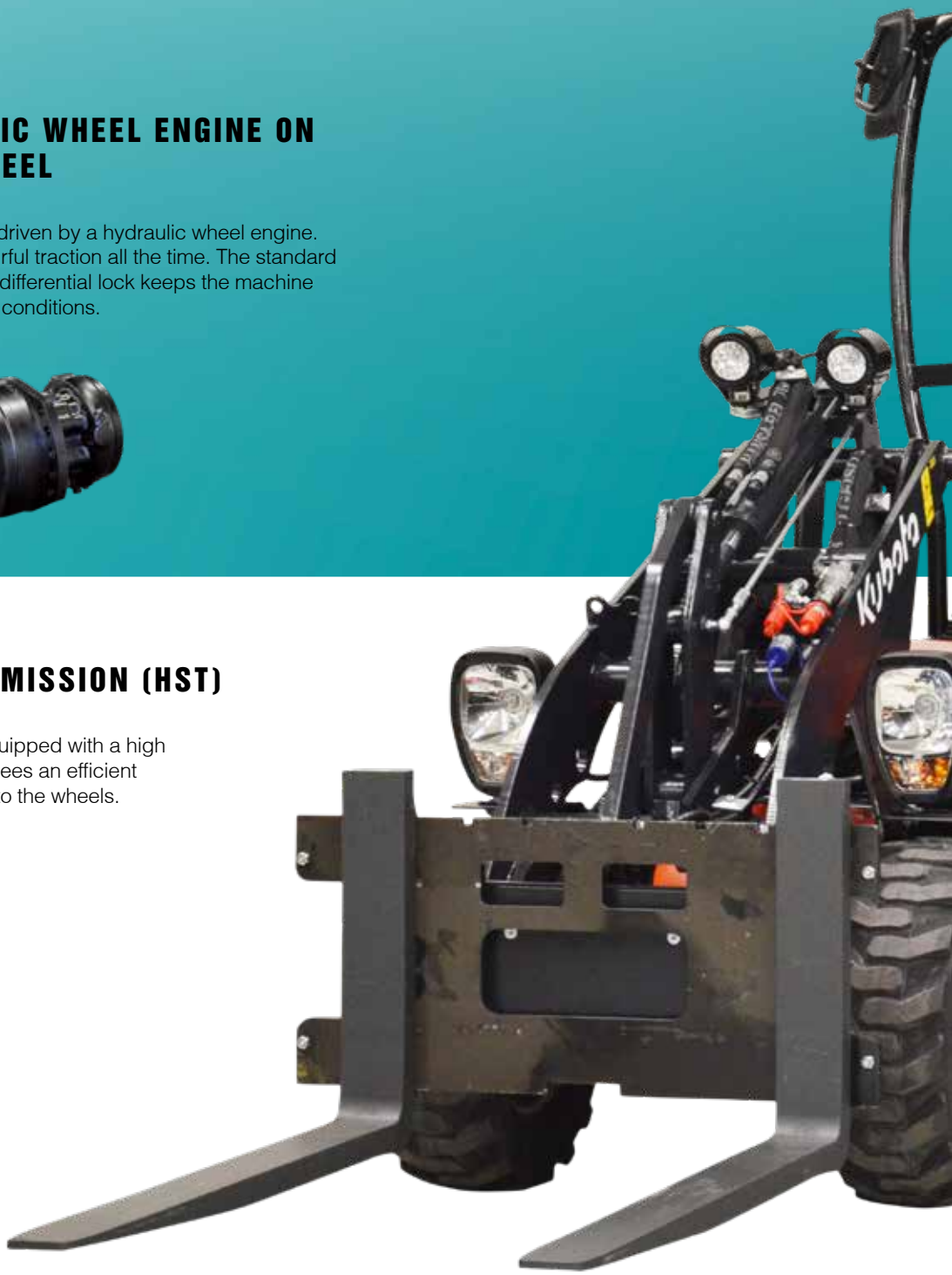
Each job requires a specialized tool. The RT-2 loaders are perfectly designed for all kinds of application, such as construction, gardening, public works and agriculture. With the perfect balance between performance, compactness, safety and comfort no job is too big for the KUBOTA wheelloaders.

HYDRAULIC WHEEL ENGINE ON EACH WHEEL

Each wheel is driven by a hydraulic wheel engine. Ensuring powerful traction all the time. The standard electric length differential lock keeps the machine going in tough conditions.

HYDROSTATIC TRANSMISSION (HST)

The hydrostatic transmission is equipped with a 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

RT100-2: 20 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

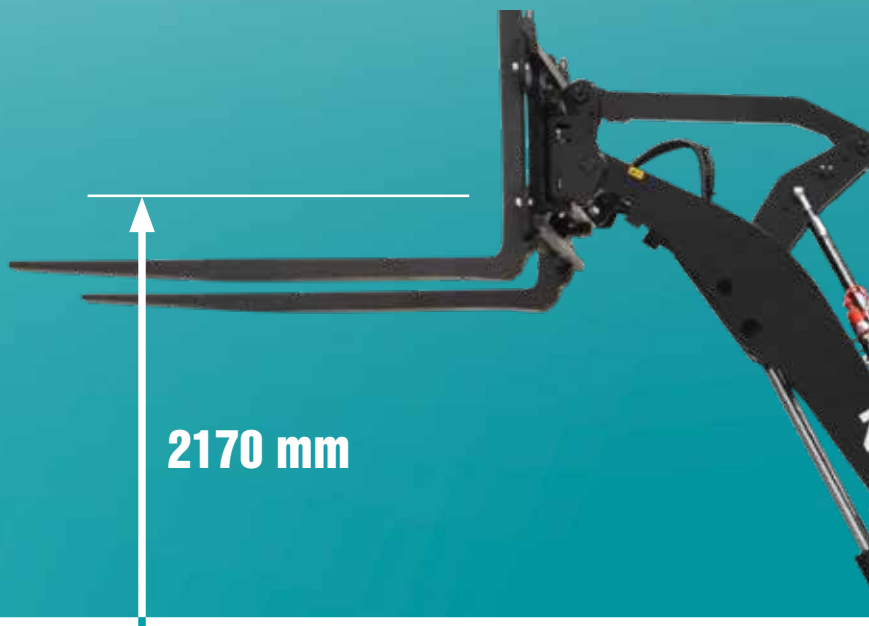
With an articulation of 45° and an oscillating angle of 4.0°, the RT100-2 can drive through tight space's without creating any damage on the surface.

COMFORT / PERFORM
MAINTENANCE

The drivers position of the RT100-2 is designed around the driver. All buttons and switches are easily reachable. The drivers seat has a headrest and 2 armrest for optimal comfort during long work days.

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 multifonction 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.

MANCE

VERSATILE AND COMPACT

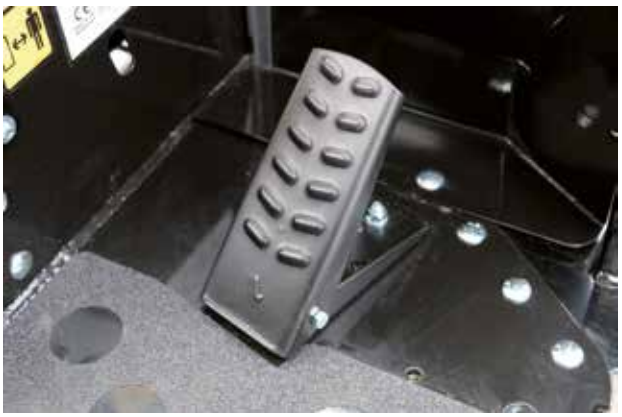
With a machine weight of 1100 kg for canopy version and a fork operating capacity of 550 kg (straight position, standard tyres, without additional counterweight), the RT100-2 is the ideal articulated wheel loader for construction jobs which require power and manoeuvrability.

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.



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 70 kg is available as en 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.

CANOPY AND COMFORT SEAT

The RT100-2 is available with canopy. 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	RT100-2
KUBOTA original engine (Stage V)	•
Cyclone filter	•
Oil cooler	•
Travel system	
Hydrostatic 4 wheel drive with automotive control	•
4 heavy duty poclain wheel engines	•
Travel speed 0-15km/h	•
Electric controlled length differential lock	•
Hydraulic multidisk brake	•
Hand throttle	○
Hand 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 and back rest	•
Seatbelt	•
Tilt steering	•
Safety doors	•
Mudguard wideners	○
Mechanically suspended seat + 8 cm higher	○

Model	RT100-2
Lighting	
Flashing warning light halogen	○
Flashing warning light LED	○
Traffic lights + 2 mirrors halogen	○
Additional working light halogen	○
Other	
13 pin Trailer socket to the back	○
3 pin socket on the front or back	○
Reverse buzzer	○
Counterweight 40 kg + towing hook	○
Combination towing hook	○
Parallel indicator on tilt cylinder	○
Kit engine heater 220v	○

**For further information consult your local dealer.*

Tire	Width cm	Calc. Speed km/h
23x10,5-12 AS	110	12
23x10,5-12 LG	110	12,1
23x8,5-12 AS	92	11,9
23x8,5-12 LG	96	11,9
23x8,5-12 SK	96	12,3
24x13-12 LG	122	12,5

**Theoretical data*

Accessories

QUICK COUPLER

RT100-2 is equipped with hydraulic quick coupler for easy and fast change of attachments.

Specifications

Model			RT100-2
Operating weight (canopy/cabin)		kg	1100
Engine			
Manufacturer			Kubota
Model			D722 Stage V
Horse power (ISO9249)		kW	15
		PS	20
Number of cylinders			3
Displacement		cc	719
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	800
	B	kg	550
	C	kg	410
	D	kg	1690
	E	kg	840
	F	kg	510
	G	kg	840
Travelling			
Tyre size			23 x 8.5-12 AS
Travelling speed		km/h	0-15
Angle of oscillation		deg	4
Auxiliary oil flow		l/min	28
Auxiliary oil pressure		bar	150
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	45
Hydraulic oil tank		l	46
Engine oil		l	2,5

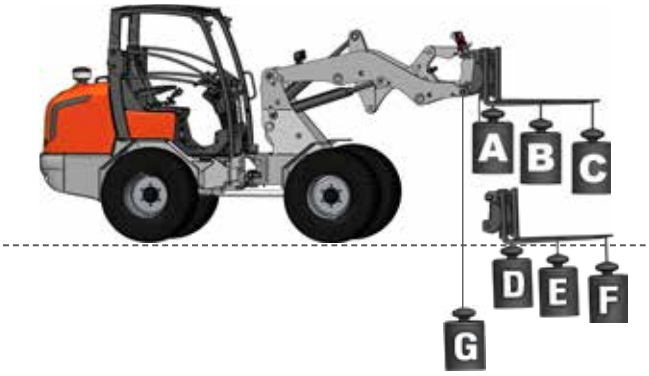
* Tipping load measured on hinge point in straight position, standard tires, no additional counterweight.

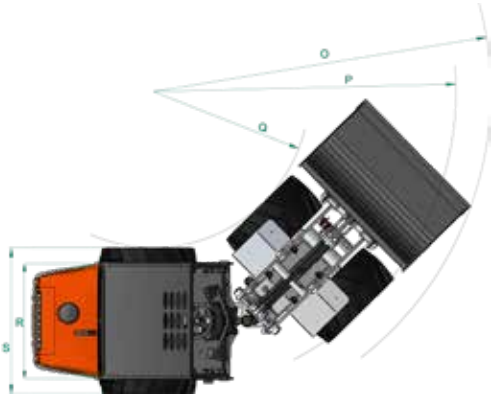
Dimensions

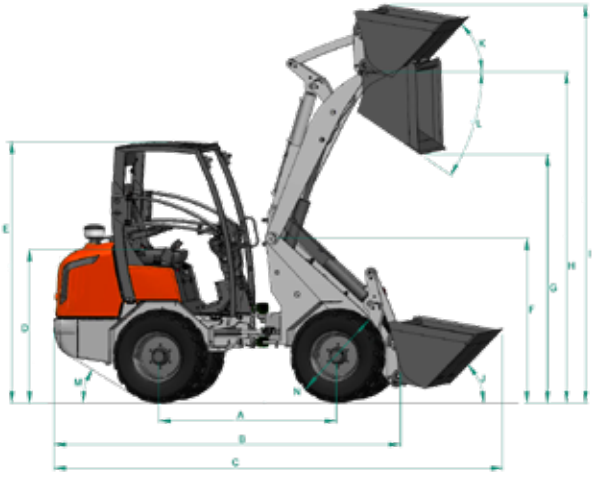
Machine dimensions*

Model			RT100-2
A	Wheel base	mm	1205
B	Overall length without bucket	mm	2211
C	Overall length with bucket	mm	2911
D	Seat height	mm	1140
E	Overall height	mm	2230
F	Front frame height	mm	1020
G	Dumping height	mm	1408
H	Max. height at hinge pin	mm	2170
I	Max. lifting height at bucket	mm	2976
J	Roll back angle at ground level	deg	44
K	Roll back angle at max. height	deg	55
L	Dumping angle	deg	41
M	Rear climbing angle	deg	27
N	Diameter of standard wheel	mm	570
O	Turning radius with bucket	mm	2225
P	Turning radius (outer wheel)	mm	1967
Q	Turning radius (inner wheel)	mm	978
R	Tread	mm	815
S	Overall width	mm	920
–	Articulation angle	deg	47
–	Ground clearance	mm	120

★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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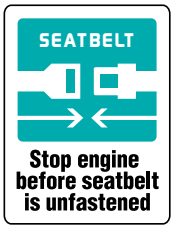

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