

For Earth, For Life
Kubota

B1

**KUBOTA
B1-SERIES**

B1121 – B1161 – B1181 – B1241



A man with a shaved head and a goatee, wearing a brown t-shirt and blue jeans, is sitting on a green cooler by a lake. He is smiling and looking to his right, holding a clear plastic water bottle with both hands. The background shows a calm lake reflecting the surrounding green trees and sky. A semi-transparent teal box with white text is overlaid on the left side of the image.

**Guaranteed
to make a
good catch**



Kubota's B1-Series compact tractors present themselves as true masters of private and municipal landscape maintenance. And not only that: wherever it comes to compact size, power and manoeuvrability, they are hard to beat. No matter which model you choose, you will always make the right choice.



**Making
optimum
use of all
possibilities**



With its wide range of possible applications, the B1-Series provides added value that some larger tractors do not offer – at a price/performance ratio that will surprise and impress you. First-class options, such as the perfectly coordinated front loader from Kubota, round off the package and make it more than harmonious.

#Highlights

Small all-rounder for big tasks

Compact and powerful. Versatile and easy to maintain. Agile and nimble. The special features and high quality of the new B1-Series compact tractors are also reflected in their excellent price-performance ratio.

Four models and plenty of useful options to suit a wide range of tasks. It is their enormous versatility that makes the B1-Series compact tractors the machine of choice

for private and professional applications in landscaping, winter maintenance, lawn care and hobby farming.

Operator platform

The flat operator platform is easy and convenient to access. All controls are ergonomically positioned.

Engine

The Kubota-built 2-cylinder or 3-cylinder engines are available in four displacement sizes. They are all characterised by their high torque and low fuel consumption.

Hydraulic system

The Category 1 rear power lift has an impressive lifting capacity.



Front attachment

The B1-Series tractors are optionally available with a Kubota front loader and a front linkage with front PTO for carrying out front-end operations.

Options and accessories

A mid-mount mower deck is optionally available for the B1181 model. This allows the range of applications for this machine to be significantly extended.

Transmission

These compact tractors have a mechanical transmission with 6F/2R or 9F/3R gears. All models are equipped with four-wheel drive.

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.



Designed to meet the highest demands

The B1-Series machines are Kubota's smallest tractors. Although they are compact and have a low unladen weight, they offer high performance thanks to the long wheelbase. Thanks to their optimal dimensions, they are suitable for all applications, including on-road use, as all models are road legal (except B1121-D).

Suitable for everyone

The B1-Series really does offer something for everyone. You can choose between the user-friendly entry-level models B1121 and B1161 with basic equipment and the larger, more comfortable models B1181 and B1241 with versatile options.

Perfect for front loader, field and road work

The machines have a high ground clearance and are extremely manoeuvrable. This makes them ideal for front loader work as well as for field and road applications.

Plenty of options

There is a wide range of accessories available for the B1-Series compact tractors, such as front linkage and PTO, front loader, mid PTO, mid-mount mowers, different tyres, etc. to further increase productivity.



Model	Engine hp	Transmission	Structure
B1121	12	Mechanical F6/R2	rear ROPS
B1161	16	Mechanical F6/R2	rear ROPS
B1181	18	Mechanical F6/R2	rear ROPS
B1241	24	Mechanical F9/R3	Rear ROPS/mid ROPS

#Engine



With this engine, you play it clean

The 3-cylinder Stage V diesel engines (2-cylinder for B1121) impress with high torque, smooth running, low fuel consumption, reduced emissions and easy maintenance. They are available in four displacement sizes from 479 to 1,123 cm³.

Reduced emissions, more power

Exclusive to Kubota, the E-TVCS combustion system ensures improved exhaust gas values by optimising the air/fuel mixture. The system generates three intensive air swirls within the spherical combustion chamber.

Thanks to an improved match between the neck of the injector and the concave depression at the piston crown, E-TVCS generates much lower emissions. This system not only improves exhaust values, but also engine performance and torque.

Simple maintenance

The air filter, radiator and oil dipstick are all easily accessible. This makes regular maintenance much easier for you.

High cooling performance

With the protective grille in front, the radiator features a large cooling surface. This ensures that the engine is kept cool at full power even on very hot days.

#Transmission

Excellent traction on any terrain



Regardless of whether you are working on level ground or on slopes, the B1 series offers a choice of two transmissions, tailored to meet your individual needs. Thanks to standard four-wheel drive, the B1-Series compact tractors are also ideally equipped for rough terrain.

Reliable transmission

These compact tractors have a mechanical transmission with six forward and two reverse gears (B1241 9F/3R). With a maximum speed of 20 km/h (B1121 17 km/h), they can also be used for transport work or quickly moved to another location. Low-wear, oil-cooled disc brakes ensure excellent braking performance.

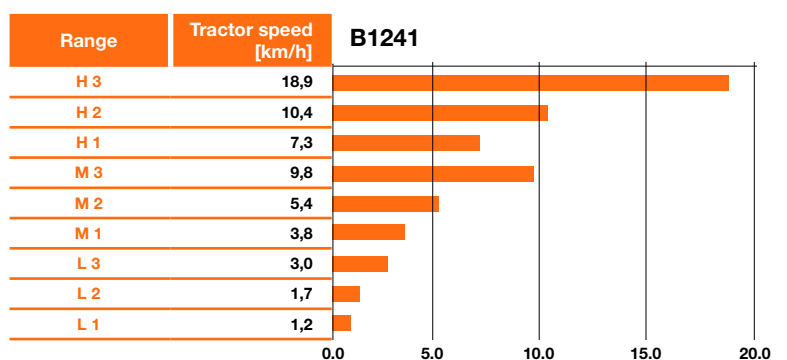
Made for rough terrain

The B1-Series compact tractors are perfectly designed for working in extreme terrain. To get better traction, simply engage the standard four-wheel drive with the exception of the B1121 model, which is equipped with permanent four-wheel drive.

The maintenance-free portal front axle with double bevel gear drive and high ground clearance is another plus when working on rough terrain. Here, the mechanical differential lock on the rear axle ensures maximum power transmission.



Speed diagram



#Working comfort

Accomplish your task in total relaxation

With machines as versatile as the B1-Series compact tractors, a high level of working comfort is particularly important, as lengthy working periods are typical for these machines. Kubota has taken this into account and provides you with a very pleasant working environment.

Optimal working environment

The spacious operator's platform is easy and convenient to climb into. The solid rubber floor mat is not only non-slip and easy to clean, but also absorbs vibrations. The controls are ergonomically positioned and colour-coded. Everything is easy and intuitive to find.

Easy control of all main functions

The dashboard of the B1 gives you a clear view of all important vehicle functions: speed, hours worked, engine temperature and fuel gauge. And this is also possible in the dark, because when you switch on the headlights, the backlighting is activated.



Attractive design

Kubota compact tractors are not just efficient workers, but also real eye-catchers thanks to their attractive appearance. The design has been cleverly thought out. Thanks to the rounded bonnet, you have a better view of the front working area. The powerful multi-reflector headlights ensure the best visibility at night. The integrated radiator grille not only looks good, but is also easy to clean.



8000HR

1 2 3
x1000r/min

H

F
E

L M H

3
2
1
N

N
R

#Hydraulics

Making the best possible use of all working spaces

The exceptional versatility of these compact Kubota tractors is due not least to the possibility of using a wide range of attachments and tools. Thanks to the powerful rear and optional front linkage and optional hydraulic valve, the choice is huge.

Extra-light steering

The B1181 and B1241 models are equipped as standard with hydraulic power steering, which makes manoeuvring extremely easy. This power steering is particularly useful when working with front loaders. It is also valuable for many other jobs, as it makes the machine exceptionally agile and manoeuvrable.

Impressive lifting power

The Category 1 three-point linkage offers plenty of lifting power. With a maximum lifting capacity at the rear of 430 kg (B1121), 540 kg (B1161, B1181) and 615 kg (B1241), it can be used with a wide range of attachments, which considerably extends the machine's range of applications.

Complete rear functionality

The B1 Series is available with optional rear hydraulic outlets. Up to two double-acting valves can operate even complex implements which require hydraulic command.



#Options



Get even more out of your machine

With their enormous versatility, Kubota's B1 models are impressive even in their basic configuration. With the optional front loader and mid-mount mower, you can extend the range of applications of this compact tractor with additional useful application areas.



High-performance front loader

The optional LA213 front loader from Kubota has been specifically designed for the B1161 and B1181 models and is perfectly adapted to both machines. It can be precisely controlled by a single lever control unit. You can also mount and dismount the front loader without tools, which is made even easier by the integrated parking supports. With a width of 1.22 m, its bucket can handle a large volume of material.

Precision mid-mount mower

Where frequent mowing work is required, the RCK48-16B-EC mid-mount mower is the ideal option. It is available with a working width of 1.22 m for the B1181 model. This means that you can achieve excellent cutting quality under all conditions. You can also raise and lower it using the rear power lift.

#Technical data

Model		B1121 D	B1121 D-EC	B1161 D-EC	B1181 DT-EC	B1241 D-EC
StVZO-Ausrüstung		–			Standard	
Engine						
Type		E-TVCS, 2-cylinders diesel, water-cooled		E-TVCS, 3-cylinders diesel, water-cooled		
Model		Kubota Z482		Kubota D722	Kubota D782	Kubota D1005
Engine power ECE R120	kW/hp	8/11		11/15	13/18	16/22
No. of cylinders		2		3		
Displacement	cm ³	479		719	778	1,123
Rated revolution	rpm	3,000		2,900	3,000	2,500
Air cleaner		Dry air filters				
Fuel tank capacity	l	14				26
Drive train						
Driving method		Permanent four-wheel drive		Switchable four-wheel drive		
Transmission speeds				F6/R2		F9/R3
Max. travelling speed*	km/h	17		20		
Differential lock		Mechanical differential lock on the rear axle				
Brake type		Wet mulch disk				
Steering		Manual		Power steering		
PTO						
Rear PTO	rpm	540		540/1,000		540
Mid PTO	rpm	–		2,500		–
Hydraulic system						
Pump capacity	l/min	7.9		14.1	14.1	16.9
Lift capacity	kg	430		540	615	
3-point hitch		Category I				
Dimensions						
Overall length	mm			2,360		2,703
Overall width (min.)*	mm			938–1,247		990–1,247
Overall height (above steering wheel)*	mm	1,235		2,013–2,350		
-ROPS top*	mm	–		2,217–2,293		
-ROPS folded*	mm	–		approx. 1,610		
Wheelbase	mm			1,270		1,563
Tread	mm	778		767-867		783-851
	mm	714–778		760–1006		
Ground clearance	mm	240		240-316		267-313
Turning radius with brake	m			1.8		2.1
Weight	kg	460	600	639	635	732
Comfort						
Operator's deck		Semi-flat, vibration-absorbing rubber mat				
Display instruments		Engine temperature, speed, fuel gauge, warning indicators, with backlight				
Cup holder		Standard				
Rear work light		Option				
Type-tested drawbar		–	Standard			

* Depending on tyre type

Detailed information according to the operating instructions. The specifications for the lifting forces apply without working tools.

For safe operation, front loader work is only permitted with suitable rear ballasting.



Model		B1121 D	B1121 D-EC	B1161 D-EC	B1181 DT-EC	B1241 D-EC
A Overall length	mm	2,360				2,703
B Overall width (min.)*	mm	938-1,247				990-1,247
C Overall height (above steering wheel)*	mm	1,235		2,013-2,350		
-ROPS top*	mm	-		2217-2293		
-ROPS folded*	mm	-		approx. 1,610		
D Wheelbase	mm	1,270				1,563
E Tread						
Front	mm	778		767-867		783-851
Rear	mm	714-778		760-1006		
F Ground clearance	mm	240		240-316		267-313
Turning radius with brake	m	1.8				2.1
Weight	kg	460	600	639	635	732

Front loader specifications		
Loader model		LA213
Maximum lift height (to bucket pivot pin)	mm	1,921
Clearance w/bucket dumped	mm	1,445
Reach at maximum lift height (dumping reach)	mm	815
Maximum dump angle	deg.	44
Bucket roll-back angle	deg.	24
Digging depth at bucket levelled	mm	110
Overall height in carrying position	mm	1,070
Bucket width	mm	1,067
Lift capacity (bucket pivot pin)	kg	302
Lift capacity (500 mm forward)	kg	208
Breakout force (bucket pivot pin)	N	6,546
Breakout force (500 mm forward)	N	4,508
Raising time to full height w/o load	sec	3,6
Lowering time w/o load	sec	2,7
Bucket dumping time	sec	1,5
Bucket rollback time	sec	2,5

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