

For Earth, For Life  
**Kubota**

**LX**

**KUBOTA**  
**LX-SERIES**

LX-351 DM



**Special crops such as vineyards, orchards and landscaping require very special tractors. Where other compact tractors reach their limits, the new LX-351 DM from Kubota really gets going. With its narrow width, low weight, terrific manoeuvrability and other technological features, this machine sets new standards in its class.**





Get busy  
where others  
can't get  
started

# Small dimensions, great performance

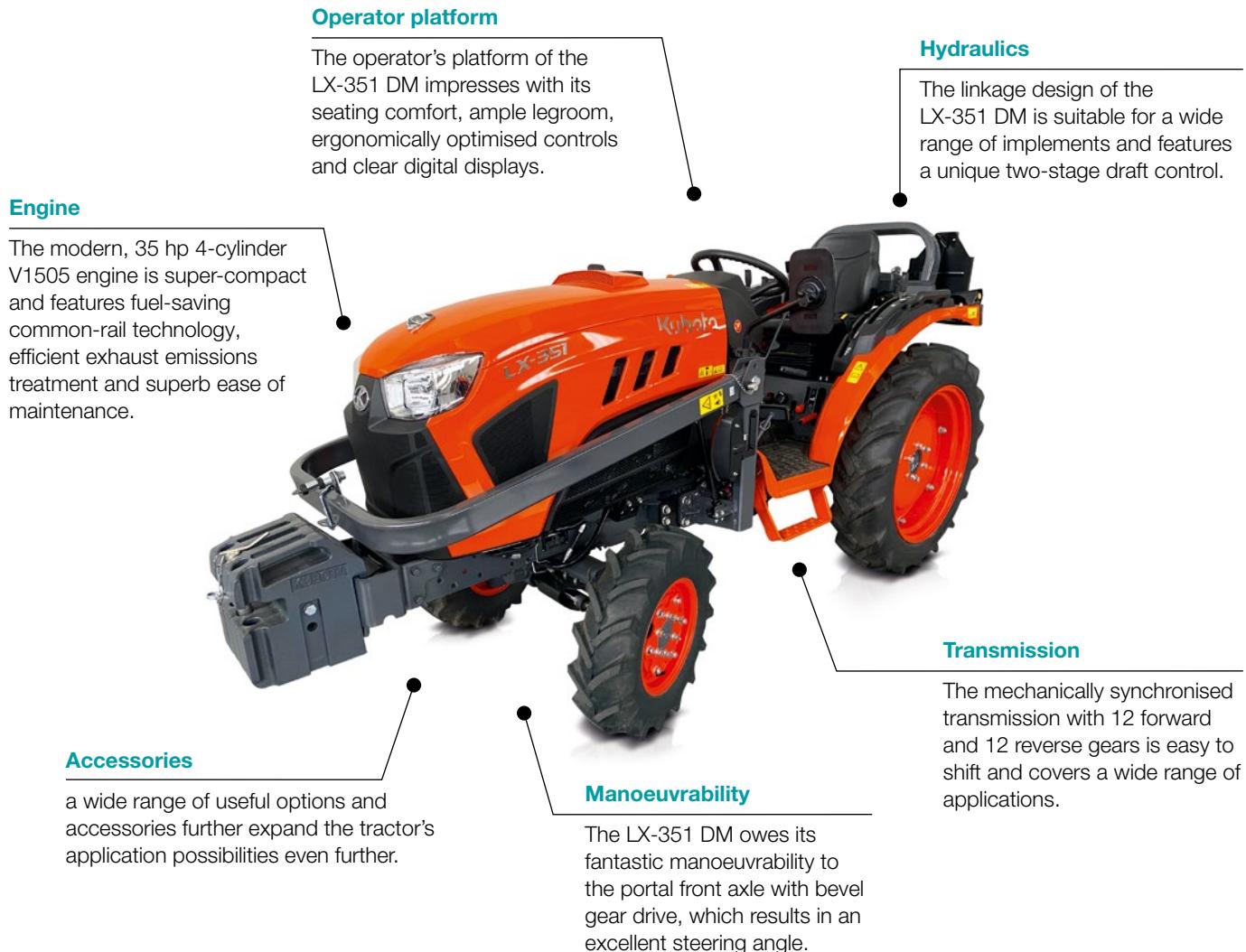
Its extreme manoeuvrability is only one advantage of the new LX-351 DM compact tractor from Kubota. With its powerful 4-cylinder engine, the mechanically synchronised 12F/12R synchro gear transmission and its modern technical equipment, the LX-351 DM is a leading player in the compact tractor segment.



Winegrowers, fruit growers, landscape gardeners and many smaller farms need manoeuvrable machines that work just as quickly and efficiently in narrow rows of vines as they do under trees and winding farmyards. The new LX-351 DM compact tractor from Kubota meets these requirements – and more.

### The LX-351 DM makes a big impression, anywhere

With the new compact tractor from Kubota, you can get anywhere. The LX-351 DM is extremely narrow and has folding, centre-mounted roll bars. This allows you to use all its full power even in very narrow rows of vines and under fruit trees. What's more, it can easily access low entrances to greenhouses and gardens.



#### Less stress on the soil

With a weight of just one tonne, the LX-351 DM could almost be called a lightweight. This means that it significantly avoids soil compaction.



#### A tractor you will love working with

Its great operating and driving comfort, together with technical features that only the LX-351 DM offers in its class, make your daily work easier and ensure that your tasks are carried out smoothly.



#### Versatility comes as standard

Its comprehensive, practical equipment, high performance and additional options and accessories make the LX-351 DM compact tractor an extremely versatile working machine. But don't take our word for it – try it for yourself.

# Ultra-compact engine with a masses of power

The modern 4-cylinder V1505 engine from Kubota meets the exhaust emission standard V has a displacement of 1,498 cm<sup>3</sup> and produces a whopping 35 hp. As one of the most compact diesel engines in its class, it is very short, which gives you excellent forward visibility.



### Low-noise, low-vibration engine

The turbo engine is equipped with an electronically controlled common rail system with a maximum injection pressure of 1,600 bar. Its low noise and minimal vibration are typical of a well-balanced engine. A new water separation filter with a detection sensor sounds a warning to prevent contaminated diesel from damaging the injection system. This extends the life of the engine and reduces maintenance costs.

### Multi-benefit injection system

The E-CDIS injection system (Engine Centre Direct Injection System) with four valves per cylinder ensures fine atomisation and optimal swirling of the fuel, as well as a perfect mixture of fuel and air. The resulting benefits include stable, high combustion power and torque output, high starting power, lower fuel consumption and cleaner emissions.

### More efficient exhaust treatment

For exhaust gas emissions treatment, the engine has a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF). The new differential pressure sensor measures the backpressure before and after the DPF

and determines the soot content in the DPF. In this way, the sensor ensures that the diesel particulate filter can always regenerate safely. The equipped DPF is designed to last at least 6000 hours before it needs to be replaced.

### Intelligent speed management

To fine-tune the engine speed for more precise work requirements, the LX-351 DM has two programmable speed memories. You can easily set and operate the desired engine speeds via a rocker switch.

### Work long, service fast

The LX-351 DM is designed for long work and short downtimes. The former is ensured by the large 32-litre fuel tank, which ensures excellent area performance. Maintenance is quick. The one-piece engine cowling is easy to open for quick access to maintenance points, such as the grille that protects the radiator from dirt. Speaking of which, dirt is reduced from the outset by the well-sealed cowling.



# The right gear for every task

**With 12 forward and 12 reverse gears, the mechanically synchronised transmission of the LX-351 DM offers the ideal number of gears for a wide range of applications. The all-wheel drive and 100% differential lock ensure high traction power at the same time.**

#### **Wide range of applications**

The new compact tractor features a Kubota 12F/12R mechanically synchronised transmission with mechanical shuttle. Depending on the tyre size, the transmission covers a wide range of applications with a minimum speed of 1.24 km/h and a maximum speed of 23.6 km/h: from sensitive manoeuvring to rapid road transport.

#### **Smooth shifting**

Four coordinated gears in three groups shift smoothly and without having to stop. Shifting is pleasantly low in vibration and noise. The lever for the mechanical shuttle is conveniently located on the left side of the steering wheel.



#### **Efficient PTO work**

For work with the rear PTO, you have two speeds (540/540ECO) at your disposal, which you engage or disconnect with an electric switch. A digital display clearly shows you the respective speed. For stationary PTO operation, the LX-351 DM has an external PTO switch at the rear. This allows you to operate the PTO from outside the vehicle, for example to chop wood.

#### **A safe ride on unsafe ground**

If you have to drive through difficult terrain, you can engage the rear differential lock to react quickly to wheel slip or to avoid getting stuck on soft ground. The mechanical differential lock can be easily engaged with the foot pedal.



#Driver platform



# The small tractor that is big on comfort

The LX-351 DM is not big. But that doesn't mean you have to compromise on working and operating comfort. On the contrary, you will be pleased with how easy and pleasant it is to work with the new compact tractor from Kubota.

### **Relaxed working**

Because it not only offers you great driving comfort, but is also very easy to operate, you will enjoy working with the LX-351 DM. The wide, comfortable operator's seat creates the ideal conditions for high performance and relaxed working.

### **Seat suspension and plenty of legroom**

When you sit in the operator's seat, you will immediately notice the generous legroom on the platform of the LX-351 DM. This is an ideal feature for relaxed working. The seat can be individually adapted to different operators in terms of height and reach. Anyone operating it will appreciate its good mechanical suspension with manual weight adjustment. This makes driving much more pleasant on long working days.

### **Level floor**

There is no transmission tunnel dividing the floor of the platform on the LX-351. This gives you more legroom and allows you to cross your legs when driving for long periods. A flat floor is particularly advantageous for jobs that require frequent climbing on and off, making them easier and less tiring for the operator. The floor mat is easy to clean and radial anti-slip lines also ensure increased safety when getting on and off.



### **Ergonomically optimised controls**

All controls are positioned so that you can grip them optimally without having to bend. You will particularly appreciate the ergonomically optimised levers with their pleasant physical texture. Their narrow width is perfectly adapted to the space available on the driver's platform. Their shape allows for different grip types, making the levers simple to operate.

### **Clear, easy comprehensible digital displays**

The easy-to-understand instrument panel features clear digital displays that keep you informed about all important operating conditions. Pressing the display mode button brings up the display mode screen, which gives you an overview of all settings and operating data.

### **Safe is safe**

A compact tractor like the LX-351 DM not only creates desire among professional users, but also among their less honest people. That is why Kubota has equipped the compact tractor with an anti-theft function. This prevents people who do not know the password from starting the compact tractor and protects it against theft.

### **Storage plus**

The LX-351 DM also has storage boxes with USB ports. You can store items in them and charge phones or other devices.



# Unmatched lifting power

The linkage design of the LX-351 DM makes it suitable for a wide range of implements. The unique two-stage draft control ensures safe tilling work on hilly terrain or in difficult soil conditions with consistently convincing quality.



### Solutions for all conditions

The tractor's 3-point hitch features control, draft control and floating mode. The position control keeps the implement in the set position, regardless of the load. This is a great help when using an implement that doesn't come into contact with the ground. On flat, level terrain, it can also be used with ground-based implements to maintain a constant depth. When working on hilly areas or under highly variable ground conditions, draft control may be a better choice. This feature automatically lowers and raises the implement in hilly terrain to maintain a constant traction force or implement load.

### Safe handling of implements

The adjustable lowering speed allows you to handle heavy attachments in a way that prevents unnecessary damage. You can also adjust the maximum lift height.

### Handling heavy equipment, effortlessly

With a maximum lifting capacity of 1,150 kg, Kubota's new compact tractors can handle attachments of a size and weight that would be too heavy for many other machines in their class. The hydraulic pump provides a flow rate of 19.7 l/min for the attachment hydraulics – enough to successfully handle a wide variety of tasks, from simple to demanding. Two control units with four rear outlets enable simple, quick operation of the rear attachments.

### Unique two-stage draft control system

The LX-351 DM is the only compact tractor in its class with two-stage draft control. The easy-to-use control lever lets you regulate the two stages of draft control for soil tillage implements. The result is improved working comfort and productivity. The two-stage draft control particularly comes into its own when working on uneven or hilly ground with the cultivator or other tillage implements.



# Incredibly manoeuvrable

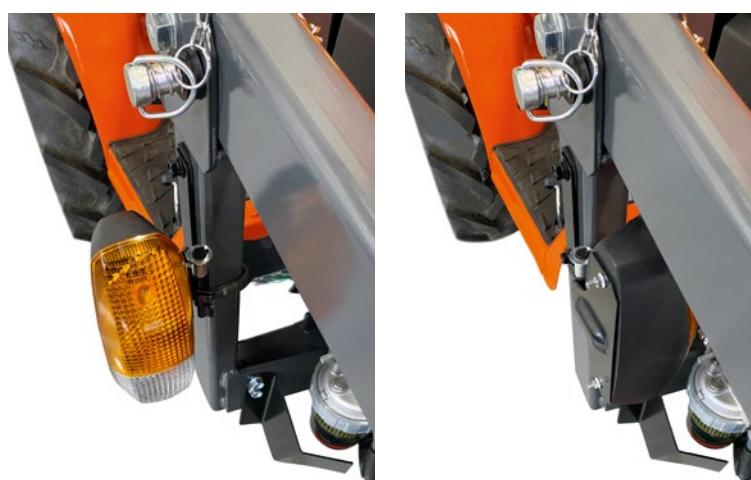
**Although you expect increased manoeuvrability from compact tractors, you will be pleasantly surprised at how uniquely manoeuvrable the LX-351 DM is. Together with its narrow width, this makes it ideal for productive work in vineyards and orchards as well as in greenhouses.**

#### **Compact and manoeuvrable**

Vineyards and orchards are often very tight spaces. The LX-351 boasts a double advantage for work in such areas: Its compact size with a minimum width of only 1,00 m and its incredible manoeuvrability. The secret of its manoeuvrability is the portal front axle with bevel gear drive, which results in an excellent steering angle. With a minimum turning radius of 2.2 m with brake or 2.5 m without, you can switch from one row to the next in no time.

#### **All-wheel drive provides grip**

The simple and direct engagement of the four drive wheels ensures high stability and grip, not only when turning. The all-wheel drive of the LX-351 DM is especially valuable when working on slopes in wet conditions.



#### **High ground clearance**

The front axle of this compact tractor also features a high ground clearance of 318 mm: the best value in its class. This is another important advantage in vineyards and orchards, where prunings between the rows can make driving difficult. An additional plus is its low weight of just one tonne, which avoids soil compaction.

#### **Low heights are no barrier**

When working in greenhouses and orchards, low gateways and protruding branches are no obstacle for the LX-351 DM. In these conditions, simply fold down the centrally positioned roll bar and you can easily drive under low boughs and gates without damaging buildings, trees or the tractor. By the way, you can also fold in the turn signals on the LX-351 DM.

# Getting the most out of your tractor, long term

Kubota makes your life easier and our Kubota Care Extended Warranty keeps your tractor running as smoothly as it did on day one. This ensures that the value of your machine is reliably protected, far into the future.



## Kubota Care Benefits



### Price Increase Protection

Protects you against

- VAT increase
- Parts price increase
- Labour price increase



### Genuine Parts

Protects your machine through exclusive usage of Kubota Genuine Parts.



### Cost Protection

No hidden costs!  
No deductible!

**Kubota Parts and Service**  
*Reliability > for the Job Ahead*

The Kubota name is widely respected for representing top Japanese quality. All Kubota machines are designed for the toughest working conditions and long running times. Even so, it is impossible to avoid unforeseen damage over the years. With Kubota Care, you can easily cope with the risk of unexpected costs in the future. At the same time, you can avoid unplanned downtime and stay profitable over the long term.

#### **The perfect solution**

Kubota Care takes one potential worry out of working life. This service package offers you maximum operational and cost security as well as complete protection beyond the usual warranty obligations. Kubota Care provides you with a full extended warranty of up to 5 years or 5,000 operating hours (whichever comes first).

## **Full Warranty Coverage**

#### **What does Kubota Care cover?**

Kubota Care is a comprehensive warranty extension that covers all components which are covered during the contractual warranty. And if a warranty repair is necessary of course no deductible will be charged to you!



#### **Dealer Contact**

In case of a claim your dealer is your only contact person. That means no hassles with third-party providers, everything works smoothly.



#### **Professional Treatment**

Nobody knows your machine better than Kubota trained technicians. Operated with specialised tools qualified by the manufacturer.



#### **Resale Value**

Increase your machines resale value. Kubota Care is transferable to the new owner.



**Kubota  
care**

# #Technical data

Model	LX-351 DM	
<b>Engine</b>		
<b>Model</b>		V1505-CR-TE5
<b>Type</b>		Direct injection, vertical, water-cooled, 4 cycle diesel
<b>Number of cylinders</b>		4
<b>Engine power ECE R120</b>	hp (kW)	34.8 (25.6)
<b>Total displacement</b>	cc	1,498
<b>Maximum torque</b>	Nm (rpm)	117.5 (1,800)
<b>Rated revolution</b>	rpm	2,600
<b>Fuel tank capacity</b>	l	32
<b>Travelling system</b>		
<b>Transmission</b>		Mechanical synchro gear 12 F/12 R
<b>Steering</b>		Hydraulic power steering
<b>Braking system</b>		Wet disk type
<b>Minimum turning radius with brake</b>	m	2.2
<b>PTO</b>		
<b>Rear PTO</b>		SAE 1-3/8,6 splines
<b>PTO/engine speed</b>	rpm	540/2,530, 540E/1,850
<b>Hydraulic unit</b>		
<b>Pump capacity</b>	l/min	3P: 19.7, power steering: 15.4
<b>3-point hitch</b>		SAE category 1
<b>Hydraulic control system</b>		Position control and 2-stage draft control
<b>Max. lift force At lift points</b>	kg	1,150
<b>600 mm behind lift points</b>	kg	890
<b>Remote hydraulic control</b>		1 standard double acting valve + 1 optional double acting valve with floating position
<b>Dimensions</b>		
<b>Overall length without 3P (rops/cab)</b>	mm	2,954
<b>Wheelbase</b>	mm	1,550
<b>Minimum ground clearance</b>	mm	318
<b>Weight</b>	kg	1,000
<b>Seat height</b>	mm	950
<b>Height at the hood</b>	mm	1,270
<b>Height at the steering wheel</b>	mm	1,320
<b>Maximum permissible front axle weight</b>	kg	1,080
<b>Maximum permissible rear axle weight</b>	kg	1,920
<b>Maximum permissible total weight</b>	kg	2,400
<b>Towing capacity for trailers with inertia brake</b>	kg	3,500

The company reserves the right to change the above specifications without notice.



Model	LX-351 DM					
<b>Tyre combination</b>	Front	26x12.00-12	180/85D12 (7-12)	23x10.5-12	6,5/90-12	180/85D12 (7-12)
	Rear	360/70R20	12.4-16	300/70R20	8.3 R24	280/85R20
<b>A</b> <b>Wheelbase</b>	1,550					
<b>B</b> <b>Front width of track</b>	Min. Max.	1036 915	952	843	915	915
<b>C</b> <b>Rear width of track</b>	Min. Max.	1,022 1,050	840 1,012	738 1,086	880 940	940
<b>D</b> <b>Lenght</b>	Min. Max.	2,868 3,217				
<b>E</b> <b>Front width</b>	Min. Max.	1,354 1,088	1,216	1,008	1,088	1,088
<b>F</b> <b>Rear width</b>	Min. Max.	1,379 1,365	1,130 1,302	948 1,296	1,160 1,220	1,260
<b>G</b> <b>Height</b>	2,149 2,127 2,114					
<b>H</b> <b>Front overhang</b>	Min. Max.	562 911				
<b>I</b> <b>Rear overhang</b>	755					
<b>J</b> <b>Ground clearance</b>	321	282	277	292	282	282
<b>M</b> <b>Heigth with ROPS folded (rear rollbar)</b>	1,489	1,467	1,454	1,470	1,467	1,467

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