

For Earth, For Life
Kubota

LX

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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.



A man with a beard and glasses, wearing a dark vest, is operating a red tractor with a MAJAR implement in a vineyard. The tractor is moving through rows of grapevines supported by metal stakes. In the background, there are rolling hills and a small town. A semi-transparent teal box with white text is overlaid on the right side of the image. An orange square is in the top-left corner of the teal box.

**Get busy
where others
can't get
started**

#Highlights

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.

Operator platform

The operator's platform of the LX-351 DM impresses with its seating comfort, ample legroom, ergonomically optimised controls and clear digital displays.

Hydraulics

The linkage design of the LX-351 DM is suitable for a wide range of implements and features a unique two-stage draft control.

Engine

The modern, 35 hp 4-cylinder V1505 engine is super-compact and features fuel-saving common-rail technology, efficient exhaust emissions treatment and superb ease of maintenance.



Transmission

The mechanically synchronised transmission with 12 forward and 12 reverse gears is easy to shift and covers a wide range of applications.

Accessories

a wide range of useful options and accessories further expand the tractor's application possibilities even further.

Manoeuvrability

The LX-351 DM owes its fantastic manoeuvrability to the portal front axle with bevel gear drive, which results in an excellent steering angle.



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 cm³ 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.



#Transmission

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.



#Maneuverability

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.

#Value Protection

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.

Kubota Parts and Service
Reliability > for the Job Ahead



Cost Protection

No hidden costs!
No deductible!

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.

#Technical data

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

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



Model		LX-351 DM					
Tyre combination	Front	26x12.00-12	180/85D12 (7-12)	23x10.5-12	6,5/90-12	180/85D12 (7-12)	180/85D12 (7-12)
	Rear	360/70R20	12.4-16	300/70R20	8.3 R24	280/85R20	320/70R20
A Wheelbase		1,550					
B Front width of track	Min.	1036	915	952	843	915	915
	Max.						
C Rear width of track	Min.	1,022	1,050	840	738	880	940
	Max.			1,012	1,086	940	
D Length	Min.	2,868					
	Max.	3,217					
E Front width	Min.	1,354	1,088	1,216	1,008	1,088	1,088
	Max.						
F Rear width	Min.	1,379	1,365	1,130	948	1,160	1,260
	Max.			1,302	1,296	1,220	
G Height		2,149	2,127	2,114	2,130	2,127	2,127
H Front overhang	Min.	562					
	Max.	911					
I Rear overhang		755					
J Ground clearance		321	282	277	292	282	282
M Height with ROPS folded (rear rollbar)		1,489	1,467	1,454	1,470	1,467	1,467

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