

For Earth, For Life
Kubota

LXe-261





If green is your choice

Working towards a sustainable society through the business areas of food, water, and the environment.

These three areas are vital for us all to live prosperous lives, and Kubota believes that the cycles in these areas intersect and influence each other.

We view food, water and the environment as a single unit.

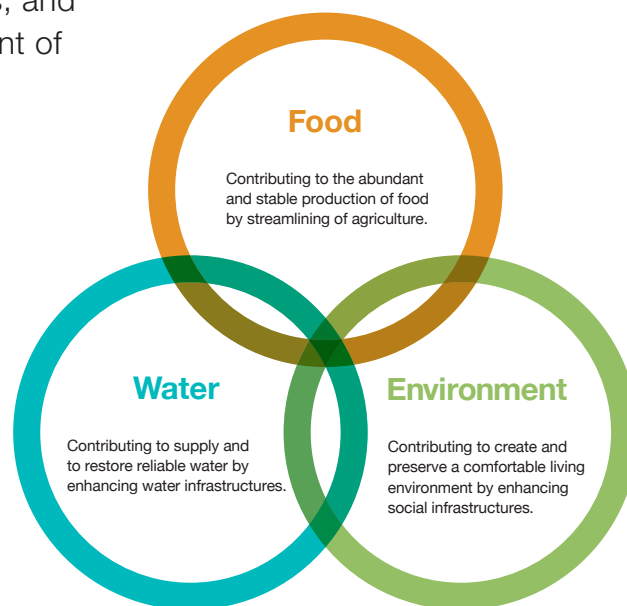
This is brought to life through our Brand Statement: For Earth, For Life.

This is our global, corporate mission which we strive to deliver across all continents.



Looking into a better future

In everyday life and industry, tractors are simply indispensable, and they are constantly updated and improved. The development across all areas of the tractor including the engine has been intense with huge reductions in emissions. Kubota's stage V engines are proven performers and run clean adhering to the strictest emission regulations. However, technology never stops, and Kubota is at the forefront of the development and evolution of machines. Our mission statement is never far from our thinking when developing new products. Welcome to Kubota's electrically powered compact tractor the LXe-261







Smoke&Noise not included

Despite performance that is in all respects comparable with that of the model powered by the diesel engine, the driving experience could not be more different: the powerful starting torque, the smooth progression, the absence of shifting and vibration, make driving extremely comfortable and relaxing. That - in the end - translates into greater productivity. In addition, the absence of exhaust emissions (CO2 emitted is zero) ensures maximum respect for the environment.





Under the skin, a mighty heart

The “engine” in an electric tractor basically consists of a battery and an electric motor. The drainage or discharge of a battery (before recharge) depends on the draw or load requirement of the working operation. If the machine is doing heavy load work, then the battery will require a more frequent recharge as opposed to light or medium loading.

The battery will only begin to discharge when under load so if the tractor is idling on the headland or stationary in a greenhouse, the battery will not be drained.

One of the biggest challenges for the design engineers is how to replace a diesel engine and maintain the correct power to weight ratio that is a key factor in any tractor. Kubota engineers have been able to successfully integrate the battery and still maintain the correct power to weight ratio.

UN Sustainable Development Goals



The LXe Series electric tractor contributes to the UN Sustainability Development Goals of energy efficiency, promoting innovation, supporting sustainable cities, and protecting the climate and life on land.



Welcome aboard



Compact size

A well-designed compact tractor perfectly suited for working in narrow rows and restricted spaces. The Lxe-261 fully complies with European regulations and can legally operate on public highways

Helping the environment

Electrification has several advantages. Probably the biggest is the ability to work and emit zero grams of CO₂

5-years warranty

Kubota stands by its statement of providing high quality, reliable produces with one of the best warranty periods on the market.

Operator comfort

A big benefit for the operator during work is the large reduction of noise and vibration compared to diesel engine machines. Enhanced comfort can translate into higher productivity

Reduced operating costs

Operating without the use of diesel fuel and no engine servicing significantly reduces the overall running costs

Good performance

The large capacity battery and quick charge facility allows work to be carried out during a 7-hour day*

* Work duration measured during tests carried out at the Paris City Hall parks



Model	LXe
Model	LXe-261
Max Power	25.8 Hp
Battery Type	Lithium-ion battery
Transmission	HST 3 ranges





Performance. Nothing will stop you

“An electric compact tractor that can be used all day long” is the concept of the LXe-261. Do not compromise between work and environmental footprint, this gap has been connected with this tractor.

Rapid charge rate

It only takes one hour to charge the battery to 80% with a CHAdeMO-type fast charger. The vast majority of battery recharging can take place during the lunch break.

A full day's work

The concept of the LXe-161 is to be able to work a full working 7-hour day* as can be offered by a diesel tractor of equivalent size. Each PTO is fully independent. Typical work would involve grass mowing all morning with a mid-mounted cutting deck and transport in the afternoon via a trailer.

*A CHAdeMO type charger is required to achieve this performance.



Tasks performed	Working time or area/distance**	Avg. Working speed
Mowing	3,2 hr or 3,75 ha	7.7 km/h
Transport	5,6 hr or 112 km	20 km/h

**this data can vary according to the working conditions

3hr 30 of work

1hr
of re-charge

3hr 30 of travel

One. For all

AGRICULTURE

The electric revolution is not just happening to tractors. For some types of farm vehicles like loaders and mixer-feeder wagons, electric drive is already here. Working with sensitive plant crops such as vegetables or in greenhouses and Polly-tunnels, the electric tractor is ideal in terms of crop protection by eliminating emissions and comfort for the operator by running with very low noise levels.

MUNICIPALS

Public sector areas like recreation and parks are extremely sensitive to environmental issues. There is still a requirement to maintain and service these locations. The electric tractor is the ideal solution from both a political and practical point. Not only is the tractor making a clear statement to the general public that the local authorities are reacting to the world demand for change, but also when working near urban communities, there is no disruptive noise levels.

SPECIALISED FARMING

Vineyards and orchards reap the obvious benefit of electric tractors. Working in vine rows means the machine is very close to the crop. By not having any heat from the engine it eliminates any potential damage to the high value crop. Other areas benefit like working under canopies with no exhaust systems to contend with.

HOLIDAY PARKS

General maintenance and working within a leisure complex, the fact that the tractor operates at extremely low noise levels is an obvious benefit.





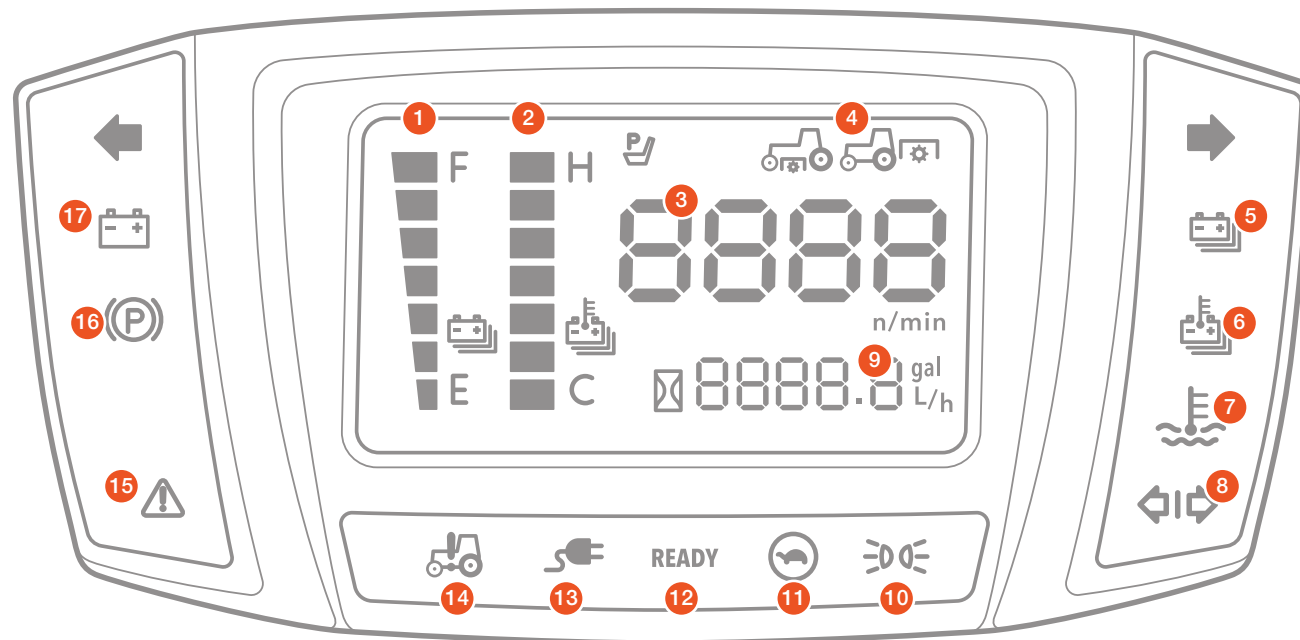


The LXXe-261 offers identical performance and functionality to diesel compact tractors while meeting new and demanding environmental challenges.



All the info you need. And more

Incorporated within the steering column is the easy-to-read digital LCD instrument display which allows you to view all important data at a glance.



1. Battery charge level
2. Battery temperature
3. Engine rpm / PTO rpm
4. Mid / rear PTO selection indicator
5. Low battery indicator
6. Battery overheating warning indicator
7. Coolant overheating warning indicator
8. Directional indicators
9. Hour counter / Error code display
10. Lighting indicator
11. Low range indicator
12. Electric motor running indicator
13. Charging indicator
14. Electric malfunction warning indicator
15. Main system warning light
16. Parking braking warning light
17. Electric charge warning light

Key features



Engine

The EM10 electric motor produces 25.8 horsepower which drives the 3-range HST transmission, hydraulic pump and steering pump. The size of the machine and the power and torque output allows you to carry out a wide array of tasks in comfort and safety.



Ergonomically positioned controls

The controls are positioned either side of the seat and at comfortable working angles. Rear linkage control, PTO engage/disengage, HST range selection and cruise control all fall perfectly to hand, so you are always in full control.



HST efficiency

The LXE-261 is equipped with a 3-range hydrostatic transmission which incorporates a cruise control. Locking a fixed forward speed during repetitive operation greatly enhances the operating comfort. Selecting the correct range for the operation improves the hydrostatic performance and optimises fuel consumption. Depending on the tyre sizes fitted a maximum speed of 19km/h can be achieved.



A generously equipped tractor

Versatility is a key factor to this tractor. A category 1 rear 3-point linkage has a maximum lift capacity of 970kg at the linkage balls. 2500 rpm mid PTO provides drive to a mid-mounted mowing deck. At the rear a 540rpm PTO. Each PTO is fully independent.



The complete hydraulic system

2 hydraulic double-acting remote valves (One includes float position) adds to the versatility by allowing the LXE-261 to carry and operate a selection of hydraulic attachments.

Technical data



Model	LXe-261	
Dimensions		
Tyres	Front	7-12
	Rear	12.4 - 16
Wheelbase (A)	mm	1666
Length (B)	mm	2830
Max. front width (C)	mm	1230
Max. rear width (D)	mm	1365
Height (E)	mm	2327
Ground clearance (F)	mm	318
Weight	kg	1070
Max permissible weight	kg	3000

Model	LXe-261	
Engine		
Type of engine / motor	Three-phase synchronous motor, liquid cooled	
Maximum horsepower	HP	25.8
Maximum power at the PTO	HP	20.4
Rated speed	RPM	2500
Battery pack		
Battery type	219V Lithium-ion battery	
Battery capacity	kW.h	23.4
Battery charging system	CHAdemo	
Working time	Up to 4 hours	
Charging time	1h 0-80% or 1h30 0-100%	
Transmission		
Type of transmission	HST Hydrostatic	
No. of ranges	3	
Max. Speed on tyres – Rear 12-4 - 16	19	
Cruise control	STD	
Differential lock	STD	
Steering	Hydrostatic assist	
Braking	Wet discs	
Power take-Off		
Rear PTO speed	RPM	540
Rear PTO type	Independent	
Mid-mounted PTO speed	RPM	2500
Mid-mounted PTO type	Independent	
Simultaneous selection of mid/rear PTO	STD	
Hydraulics		
Max. pump output	L/min	19.7
Rear 3-point linkage	Category 1	
Rear hitch control	Position control	
Max. rear lift capacity @ rear links	kg	970
Max. rear lift capacity @ 610mm	kg	760

Check that the electrical installation is suitable for the charger. If necessary consult someone with expertise or qualifications. If the capacity of the electrical equipment is insufficient, or if a device with large current flow such as a motor is connected, this may cause the voltage of the power supply to drop. Charging may stop if the voltage of the charger's power supply drops temporarily.

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