

For Earth, For Life
Kubota

FC2

**KUBOTA
FC2 Series**

FC2-221





#Mission



Compactness allows flexibility and manoeuvrability

The compact working dimensions of the FC2-221 allows this machine to operate in areas that for many other machines would not be possible it also enables the machine to be easily transported from one site to another in a van or on a trailer. The versatility of these machines allows a much longer working season.



#Comfort

Simplicity is the key

The engineering mandate was to produce a machine to complement the Kubota center collect front mower range with simplicity a key request.

Key design changes has significantly reduced the number of wearing parts and maintenance requirements. Simplicity at its best.



Direct channelling of the grass

The direct discharge of cuttings from the deck to collector is a major change in terms of simplicity and reduced number of components required.



Hydraulic drive to the mower decks

Hydraulically driven decks is another key area in terms of simplicity. Gone are the belts and cardan shafts. Replaced by hydraulic hoses and a hydraulic motor. Attach and detach the implement becomes a breeze!

#Highlights

Curved backrest seat _____

Single pedal HST _____

Hydraulic PTO _____

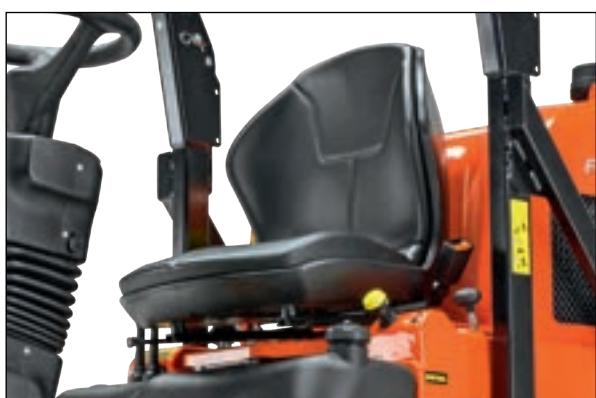






Dependability and comfort. The perfect combination

The Kubota name is synonymous with dependability and reliability. Most of the components fitted to the FC2-221 are manufactured in-house which means quality control checks are carried out internally and not reliant on the supplier.



Deluxe seat

The seat features a high backrest with fore/aft seat position adjustment and wipe-clean plastic cover.



Adjustable soft-grip steering wheel

Fore/aft steering wheel adjustment and steering drive knob further adds to the overall driving comfort.

#Performance

Kubota power and performance



Performance

Powered by a Kubota D902 engine producing 22HP. The size and weight of the engine fits perfectly into the dimensional design criteria.



Low maintenance requirements

A self-cleaning cyclone pre-filter prevents the heavier dust and debris entering the air cleaner, whilst a radiator screen provides extra protection.

#Controls and operation



PTO engagement switch directly engages hydraulic drive to the front deck. No replacing or tensioning of belts, no greasing the cardan shaft or other maintenance within this area.



Right-hand controls fall easily to hand and operate at a comfortable working height. Operation of the deck and collector is done with ease and precision.

#Transmission

4WD-HST drive line.

Infinite speed through comfortable pedal control

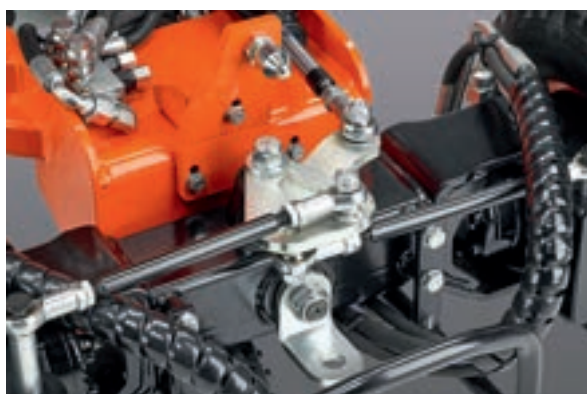


Constant grip

The 4WD ensures maximum traction on sloping terrain. The differential lock allows to quickly react to prevent wheel slip or damage the turf.



Rocker pedal drive control could not be easier. Simply press the forward part of the pedal and the HST transmission will take you to your required speed. Infinitely variable speeds are available up to 10 km/h. For reverse use the rear portion of the pedal. The smoothness and reaction of the transmission allows you to alter your speed to suit the varying ground conditions.



HTC (Hydrostatic Traction Control)

The HTC provides permanent traction and Independent control of the speed of the front and rear axle. This prevents the wheels from damaging the turf whilst turning through skids and slippage.

Hydraulic power steering

Quick and easy turning of the steering wheel allows effort-free turning when mowing around trees and other obstacles.

#Grass collector

Collector

Parallelogram lift

Raising of the collector is done using a parallel lift design.

This type of system not only makes the lift more stable, but also more effective in terms of vision and control.

Collector key points

- Moulded from robust polymeric material.
- Patented design optimises the collection area and grass compaction.
- A hinged metal flap allows air flow during operation to guarantee complete filling.
- A “collector full” alarm to prevent overload.





480 litres collector

A high lift grass collector ensures you can tip the grass into a waiting trailer or on top of an existing pile. Single lever operation of the raise/lower and tip. When the collector is fully raised, continuing to operate the lever allows the tip procedure.

#Front mounted cutting system



Power and precision in front of your eyes

Mounting a deck forward of the machine brings numerous advantages in terms of operation.

- **Better cutting quality.** The grass is not run over before cutting.
- **Better visibility and comfort** for the operator.
- **Better manoeuvrability and cutting** in areas that cannot be accessed by mid-mount decks.
- **Better adaptation to the ground contours**, for more precise cutting.



Deck control and operation

The mounting points of the mower deck allows the deck to smoothly adapt to ground contours for a more uniform cut. Cutting height setting is done by a single lever adjustment whilst the raise and lowering is hydraulically controlled.



Solid rubber front wheels

Maintenance-free solid rubber deck tyres prevent bulldozing of the front deck. These wheels are positioned so there is no restriction to the grass flow into the cutting blades.

#Deck Options

**Rotary or flail.
The choice is
yours**



Rotary mower

A 112cm (44") rotary mower is ideally matched to the machine in terms of size and cutting throughput. The twin rotors with blade overlap not only ensures a precise cut, but also prevents grass and soil build-up within the housing.

An optional mulching kit is available for this deck.



Flail mower (3 in 1 mower)

A 110cm (43") flail mower is available. The deck has a choice of blades to handle a variety of conditions.

For cutting fine grass spoon or paddle shaped blades are fitted. For clearing longer rough grass areas Y-blades are the answer. By adding vertical blades, combined with the previous ones, it aerates the ground while working.



Patented knife removal

The “**Smart System**” has an innovative magnetic pin which allows quick and easy blade change.



Folding blades

A folding system protects the blade edge against obstacles.

#Attachments

A machine for all seasons



Useful attachment for cleaning paths and driveways. Ideal for removing weeds and moss. Equipped with protection cover to prevent stones and material from being ejected.

Weed brush	
Brush diameter	67 cm
Brush angle adjustment	Up to 90o hydraulic adjustment to the right
Dimensions (L/W/H)	140 / 110 / 55cm
Weight	77kg



Hydraulically lifted and angled Compact and able to operate in areas larger machines cannot access.

Snow blade	
Working width	120 cm
Hydraulic adjustment	30o adjustment left / right
Dimensions (L/W/H)	115 / 111 / 40cm
Weight	72kg

#Technical data



Model	FC2-221	
Version	Out front mower	
Engine		
Model / Displacement / Cylinders	Kubota D902 / 898cc / 3	
Gross Power	Hp/kW	22/15.9
Engine rated speed	rpm	3200
Fuel tank capacity	Lts	16
Transmission		
Transmission type	Hydrostatic (HST)	
Speed range	1	
Forward speed	Km/hr	10
Reverse speed	Km/hr	5
Drive wheel type	4WD	
Hydraulic Differential lock	•	
Drive to the PTO	Belt	
Steering	Hydraulic power steering	
Mower deck cutting system		
Drive system to the deck	Hydraulic	
Deck raise / lower	Hydraulic lever control	
Discharge direction	Rear	
Cutting height range	mm	20 - 80
Collector		
Grass collector capacity	Lts	480
Max. unloading height	cm	165
Operator station		
ROPS	Foldable	
Driver's seat	Seat with 50mm horizontal adjustment, curved backrest and seat belt	
Headlights	LED	
Seat	Deluxe mechanical suspension	
Dimensions and weights		
Front tyres	18 x 8,50-8	
Rear tyres	15 x 6.00-6	
Wheelbase (A)	mm	1110
Overall length (without mower deck) (B)	mm	2225
Overall height (with ROPS upright) (C)	mm	2000
Overall height (with ROPS folded)	mm	1350
Overall width (without mower deck) (D)	mm	1000
Total weight (without implement)	kg	660
Maximum permissible weight	kg	1050

Model	Rotary mower deck	Flail mower
Model version	RC44C-FC2	RCF43-FC2
Cutting width	1120mm (44")	1100mm (43")
No. of blades	2	Spoon blade kit and vertical blade kit. (24 blades) Y blade kit available (48 blades)
Cutting height range	20 - 80mm	5 - 90mm
Weight	90kg	120kg

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