

F-251E / F-251 / F-391 Series

Product Value Presentation





Engine



Driveline



Mower Deck



Operators Environment



Options and Accessories



Technical Data





Customer base

- **Municipal and general contractors** – Parks and public gardens. The F Series offers the power and performance required to tackle a variety of ground terrain and grass conditions. Large areas cut quickly and effectively. 4WD option and differential lock ensure kerbs, and slippery slopes do not create a problem. High tip collector box option allows clippings to be effectively collected. Up to 20kph allows fast transport between working areas.
- **Sports turf** – General mowing maintenance for Sports grounds and Golf courses where large areas are required to be cut quickly and efficiently. Front mounted allows the cutting of awkward areas which mid-mounted mowers can not access.

The fact that the front attachment is mounted to lift arms with a removable PTO shaft means that the F Series can be coupled to other attachments such as a sweeper or snow blower. The introduction of a cab model allows the machine to be utilised for year-round work.

This makes the F Series a **true general-purpose machine.**



- Kubota 3 or 4-cylinder 1123cc or 1498cc liquid cooled diesel engines.
- Kubota 2-range HST transmission.
- Infinite speed control up to 20 Km/h.
- 2 or 4WD option. Auto-assist 4WD function for greater efficiency when turning.
- Hydraulic power steering for quick and easy operation.
- Differential lock.
- Comfortable driving position with adjustable tilt steering wheel.
- Large platform floor area adds to a comfortable driving experience.
- Cab option on F-391. Wide opening doors, ventilation system with air conditioning and heater offers deluxe operator comfort.
- Foldable ROPS.
- PTO drive-shaft system transmits engine power down to the mower deck.
- Kubota out-front 1524mm (60") or 1826mm (72") rotary mower deck. Rear or side discharge option.
- Flail mower option.
- 90° tilt mower deck. Deck can be tilted on the machine to provide complete maintenance access.
- Lever operated hydraulic deck lift/lower system with adjustable drop speed control.





F Series

Evolution

F2890E
(2WD)



F-251E (2WD)
F-251 (4WD)



F-251E (2WD)
F-251 (4WD)



F3090
(4WD)



No model

F3890
(4WD)



F-391
(4WD)



F-391
(4WD)





F Series

Key differences



	F-251E / F-251	F-391
Engine	Kubota 1123cc / 3-cylinder	Kubota 1498cc / 4-cylinder
Max. HP	24.5hp	37.4hp
Fuel injection system	Mechanical In-line injector pump	Common rail
Emission control	Not required	DPF / DOC
2WD / 4WD	2WD / 4WD	4WD
Cab option	Not available	Option
Grass collector option (on 4WD models only)	GCD901 U (Belt driven)	GCD901 F (Hydraulically driven)
Rotary mower	1524mm (60") Rear or side discharge	1524mm (60") or 1826mm (72") Rear or side discharge
Flail mower	1400mm (56")	1400mm (56") / 1600mm (64")



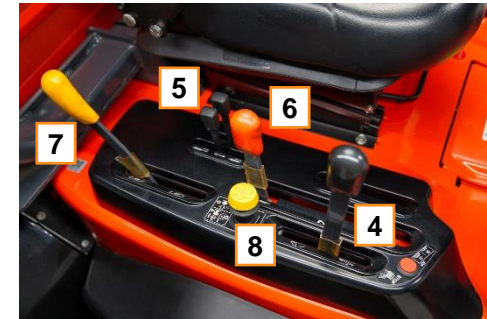
Operators

Environment

Open platform or cab (F-391)



1. HST drive pedal
2. Brake pedal
3. Differential lock engage
4. Deck raise / lower
5. Collector raise/lower and tilt
6. High / low HST range lever
7. PTO clutch engage lever
8. Collector fan engage (F-391 shown)
9. 4WD lever
10. Park brake lever
11. Steering wheel tilt control lever
12. Hand accelerator
13. Instrument panel



TECHNICAL FEATURE

Operator platform
floor area



ADVANTAGE

- Generous floor area with non-slip mat and conveniently positioned foot controls.

BENEFIT

- ✓ Easy access and spacious leg room.



TECHNICAL FEATURE

Right-hand console



ADVANTAGE

- Fixed console conveniently located to the right of the driver's seat.

BENEFIT

✓ Easy to operate.

TECHNICAL FEATURE

Operator seat



ADVANTAGE

- Comfortable padded seat with seat belt and armrest support.
- Wipe-clean plastic cover.

BENEFIT

✓ Comfortable seating / driving position.

A cab is available on the F-391 only.

The cab is rubber block mounted to reduce noise.
Other features of the cab include:

- Thick, washable floor mate for comfort and further noise reduction.
- Two wide opening doors allowing access from either side.
- Fitted standard with full road compliant lighting.
- Full ventilation system (Heater / air conditioning)
- Adjustable rear-view mirrors.
- Wiper with wash facility.
- Floor panel removal to allow access to the driveline area.



TECHNICAL FEATURE

Wide opening doors



ADVANTAGE

- Wide opening.
- Full-length glass doors.

BENEFIT

- ✓ Easy entry and exit.
- ✓ Good all-round visibility.

TECHNICAL FEATURE

Parallel wiper



ADVANTAGE

- Parallel action wiper give excellent forward vision.
- Wash/wipe facility.
- Generous headroom.

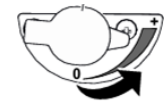
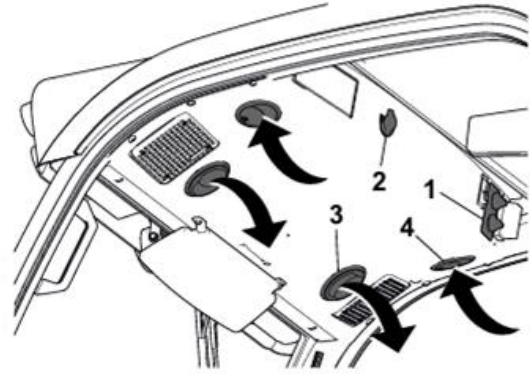
BENEFIT

- ✓ Wide cleaning arc.
- ✓ Spacious interior.

TECHNICAL FEATURE

ADVANTAGE

Ventilation system



Heater control

- 1. Cool air and fan control
- 1. Heater control
- 1. Fresh air vents
- 1. Air recirculation

- 3-speed fan.
- Heater and air conditioning.
- Roof mounted vents.

BENEFIT

- ✓ High speed air discharge provides welcome cooling or rapid warming
- ✓ Adjustable vents also provide front screen de-mist

TECHNICAL FEATURE

Rear-view mirrors



ADVANTAGE

- Adjustable rear-view mirrors.
- Positioned without creating an obstruction or possible injury to the operator when entering the cab.

BENEFIT

✓ Safe, clear vision to the rear.

TECHNICAL FEATURE

Lighting



ADVANTAGE

- Roof mounted headlights.
- Adjustable LED work light.

BENEFIT

✓ Good light coverage to the front mower deck.



TECHNICAL FEATURE

**Transportation strap
down points**



ADVANTAGE

- Purpose built transport strap brackets provide safe, secure transportation of the mower.

BENEFIT

✓ No potential damage to the mower by trying to secure strapping to other areas of the machine.

TECHNICAL FEATURE

ROPS protection



ADVANTAGE

- Rugged roll-over protection system (ROPS).

BENEFIT

✓ Keeps the operator safe during operation.

TECHNICAL FEATURE

Instrument panel



ADVANTAGE

- All major operating information clearly and easily viewed.

BENEFIT

- ✓ Keeps the operator informed of speed settings and operational functions.

TECHNICAL FEATURE

Tilting steering wheel



ADVANTAGE

- Forward tilting steering wheel.
- Quickly unlatched and pushed forward to help with entry and exit.

BENEFIT

- ✓ Adjustable to suit the individual operator and ensure a comfortable driving position.



TECHNICAL FEATURE

Storage compartment



Cab model shown

ADVANTAGE

- Convenient storage pocket and drinks holder.

BENEFIT

- ✓ Storage for smaller items such as keys and coins.

TECHNICAL FEATURE

Access panel



ADVANTAGE

- Large floor servicing access panel.

BENEFIT

- ✓ Enhanced panel access ensures easier serviceability.



F Series

Operator platform

TECHNICAL FEATURE

LED working light



ADVANTAGE

- Offer good visibility in the dark
- Make the machine seen by others when working near a road

BENEFIT

✓ Extend the working day

TECHNICAL FEATURE

Storage box for tools



ADVANTAGE

- Easy access toolbox

BENEFIT

✓ Ensure OM and standard tools are always with the machine



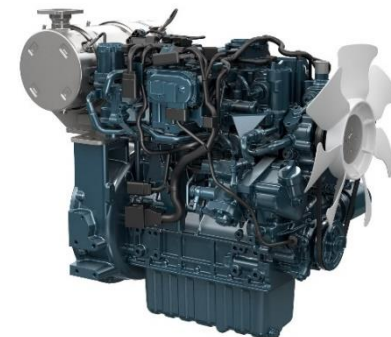
F Series



Engine



	F-251	F-391
Engine	D1105	V1505
Displacement (cc)	1123	1498
Cylinder	3	4
Bore / Stroke (mm)	78 x 78.4	78 x 78.4
Gross power (hp / kW)	25.2 / 18.5	37.4 / 27.5
Injection	Unit injector	Common rail
Aspiration	Natural	Natural
Emission control system	-	DPF / DOC
Rated speed (rpm)	3000	2500
Service intervals (hrs)	200	200





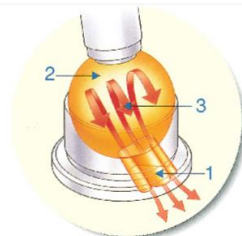
Key points:

- Kubota manufactured units
- 3 or 4-cylinder liquid cooled
- Clean power using the Kubota E-TVCS (Three vortex combustion system)
- In-line fuel injection system (F-251) or Common rail (F-391)
- DPF and DOC emission control (F-391)
- Radiator screen protection
- Fuel tank capacity of 61 litres
- Easy access for checks and maintenance
- Hinged one-piece bonnet

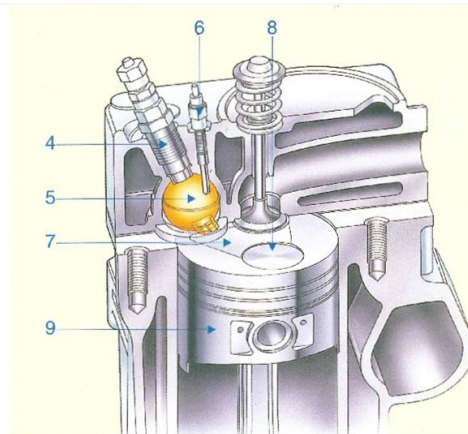


TECHNICAL FEATURE

Kubota E-TVCS (Three vortex combustion system)



1. Throat of Combustion Chamber
2. Combustion Chamber
3. Three Vortex
4. Injection Nozzle
5. Combustion Chamber
6. Glow Plug
7. Recess Concave
8. Valve Recess
9. Piston



The concave recess on the piston head helps Kubota's E-TVCS (Three Vortex Combustion System) generate three intense swirling air flow (vortexes) within the spherical-combustion chamber to obtain an optimum air/fuel mixture.

ADVANTAGE

- Efficient and effective combustion process.
- Reduced noise and emissions.

BENEFIT

- ✓ Improved power output
- ✓ Reduced fuel consumption
- ✓ Smooth engine start-up

TECHNICAL FEATURE

DPF (Diesel Particulate Filter)

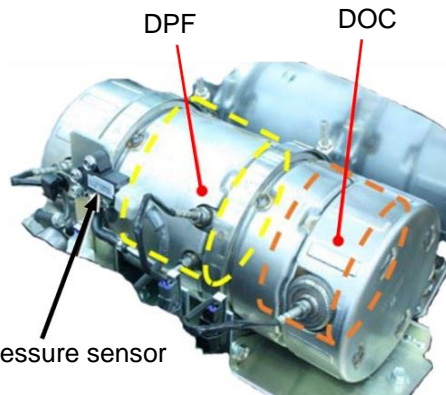
DOC (Diesel Oxidation Catalyst)

The DOC not only reduces the NOx emissions but increases the temperature allowing a continuous minimum regeneration in the DPF.

The DPF takes care of Particulate Matter (PM) (Soot particles) : There is no limitation on engine performance.

Periodic stationary regeneration (cleaning) of the DPF is required. An indicator light on the steering panel alerts the driver.

An override button allows the operator to decide when to carry out regeneration.



Differential pressure sensor



The **differential pressure sensor** is an electronic **sensor** that measures back **pressure** before and after the **DPF** and determines the level of soot contained within the **DPF**.

ADVANTAGE

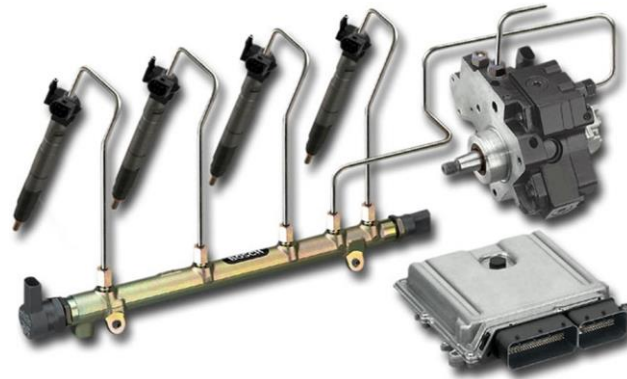
- Compact Unit.
- Located at the rear of the engine away from the operator platform.

BENEFIT

- ✓ No restriction to all-round operating visibility.
- ✓ DPF regeneration can be done at the operator's convenience.

TECHNICAL FEATURE

Common rail fuel injection system (F-391)



F-391 Common rail injection system.

ADVANTAGE

- High pressure fuel injection allows the engine to react instantly to heavy loading.
- Fuel delivery and quantity when required.

BENEFIT

- ✓ Consistent power output
- ✓ Reduced fuel consumption

TECHNICAL FEATURE

Fuel tank



ADVANTAGE

- A 61-litre fuel tank with large filler cap is located on the left-hand side.
- The tank design is kept inside the drive wheel to prevent hitting obstructions and causing damage.

BENEFIT

- ✓ Large capacity tank. Reduced refueling stop during long working days
- ✓ Conveniently located

TECHNICAL FEATURE

Hand accelerator



ADVANTAGE

- Hand accelerator allows the drivelines to be engaged without absorbing full engine rpm. The accelerator can take the rpm up gently to full working speed.

BENEFIT

- ✓ Allows the operator to decide rpm loading when engaging drive
- ✓ Protects from shock load engagement

TECHNICAL FEATURE

One-piece opening bonnet and radiator screen



ADVANTAGE

- No side panels to remove.
- Access to the complete engine compartment.
- A quick removable mesh radiator screen collects dust and debris.

BENEFIT

- ✓ Rear hinged
- ✓ Instant access for quick and easy daily checks
- ✓ Mesh screen prevents radiator blockage and potential engine overheating.

TECHNICAL FEATURE

Air filter



ADVANTAGE

- Convenient access.

BENEFIT

- ✓ Easily accessible ensures regular cleaning



F Series

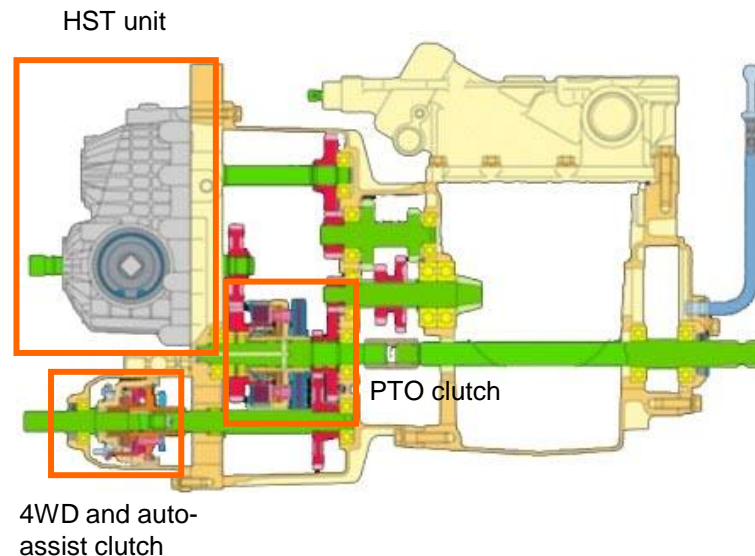


Driveline



Key points:

- Kubota manufactured unit
- Single pedal operation for forward and reverse direction
- Infinitely variable speed up to 20kph
- Dual range HST (Low range 0 – 9 kph / High range 0 – 20kph)
- Cruise control option
- Differential lock
- Internal wet disc brakes and parking brake
- 4WD with Auto-Assist 4WD



TECHNICAL FEATURE

HST motion pedal



ADVANTAGE

- Single pedal operation.
- Up to 20 kph forward speed.

BENEFIT

✓ **Comfort and ease of use.**

TECHNICAL FEATURE

High / low range setting lever



ADVANTAGE

- Ability to adjust the mower speed to the terrain or conditions.
- Changing the speed ratio also provides better engine torque and pulling for the required operation.

BENEFIT

✓ **Speed range can be set to maximise engine and transmission performance depending on the working terrain.**



TECHNICAL FEATURE

Differential lock



ADVANTAGE

- 100% mechanical locking.
- Convenient location for engagement.
- Disengagement when the pedal is released.

BENEFIT

✓ Ability to quickly react and prevent wheel slip or damage the turf.

TECHNICAL FEATURE

Power steering



ADVANTAGE

- Quick and easy turning of the steering wheel with hydraulic power steering.

BENEFIT

✓ Reduces operator fatigue by allowing effort-free turning when mowing around trees and other obstacles.

4WD and Auto-Assist 4WD

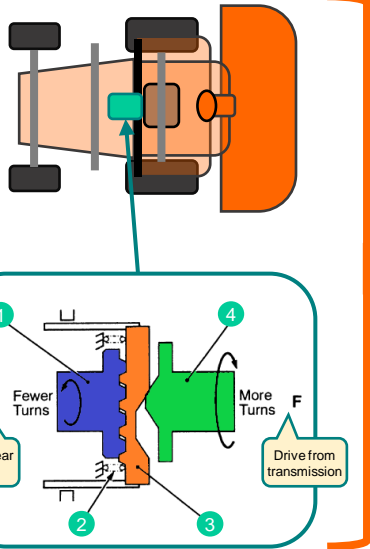
(A) “Permanent 4WD” - This position provides 4WD mechanically in any kind of the ground condition.

(B) “Auto-Assist 4WD” – In this position the 2WD and 4WD are automatically switched from one to the other in both the forward and reverse, in response to the road conditions and other factors.

- ✓ When you drive in Auto assist, 4WD will be engaged.
- ✓ When you're turning the machine 4WD will disengage.
- ✓ Always use Permanent 4WD on slopes.



When the machine is started or the front wheels are slipping



RESULT

Transmission = 2WD to 4WD



ADVANTAGE

- Auto-Assist 4WD automatically controls the 4WD drive during machine movement.
- Full 4WD engagement possible when working on slopes or when the front wheels start to slip.

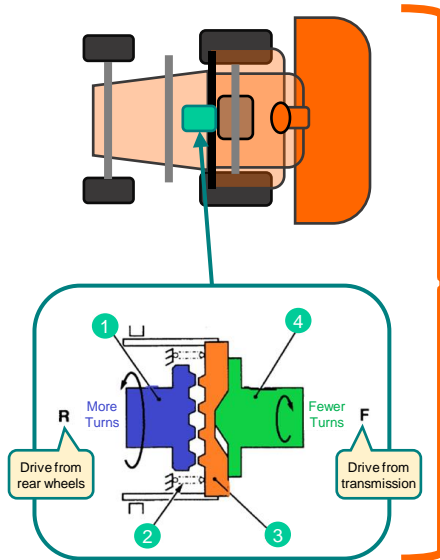
BENEFIT

- ✓ Climbing with greater efficiency and ease.
- ✓ Less potential damage to the turf.
- ✓ Best possible traction, stability and safety.

When you drive the machine, the drive cam (4) has more turns, the center cam (3) is pushed and engages the driven cam (1) **the front and rear wheels are driving.**

During this time the return spring (2) is compressed.

While the machine is turning



RESULT

Transmission = 2WD



While the machine is turning, cam (1) has more turns, at this point the center cam (3) is released and pushed against the drive cam (4) by force of spring (2). The clutch is disengaged, and **only the front wheels are driving**.

The rear wheels are not been driven.

ADVANTAGE

- Auto-Assist 4WD automatically controls the 4WD/2WD drive during turning.
- 2WD engagement when working around trees or when working in tight turns to facilitate maneuvering
- Tighter turns.

BENEFIT

- ✓ Turning with greater efficiency and ease.
- ✓ Less potential damage to the turf.
- ✓ More speed during maneuvers.



TECHNICAL FEATURE

Internal wet disc brakes and parking brake



NOTE: Press the foot pedal before releasing the parking brake

ADVANTAGE

- Wet disc braking system. Good back-up to the hydrostatic system.
- Hand operated parking brake.

BENEFIT

- ✓ Safe and secure stopping and parking on incline terrain



Mower Decks



Mower deck model identification

Model	Mower deck type	Cutting width (inch)	Discharge	Machine fitment
RCK60	RCK: Rotary cut	1.524m – 60”	Side	F-251 or F-391
RCK60R	RCK: Rotary cut	1.524m – 60”	R: Rear	F-251 or F-391
RCK72	RCK: Rotary cut	1.829m – 72”	Side	F-391
RCK72R	RCK: Rotary cut	1.829m – 72”	R: Rear	F-391
TEG 1400	Flail mower	1.4m – 56”	Rear	F251 or F391
TEG 1600	Flail mower	1.6m – 64”	Rear	F-391



TECHNICAL FEATURE

Independent PTO drive system



ADVANTAGE

- Multi-plate wet clutch pack delivers drive to the PTO shaft.
- Fully independent system.
- Lever engaged.

BENEFIT

- ✓ Minimal power loss ensures a more consistent operating speed.
- ✓ Mowing in the toughest conditions with little maintenance requirements.

TECHNICAL FEATURE

Mower deck options :
Rear or side discharge.

1524mm (60") width deck – F-251
1524mm (60") or 1826mm (72") width deck – F-391

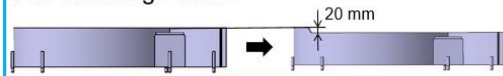


ADVANTAGE

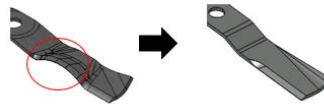
- Choose between Side or rear discharge, both with mulching kit available .
- Enhanced cut finish.

New mulching kit

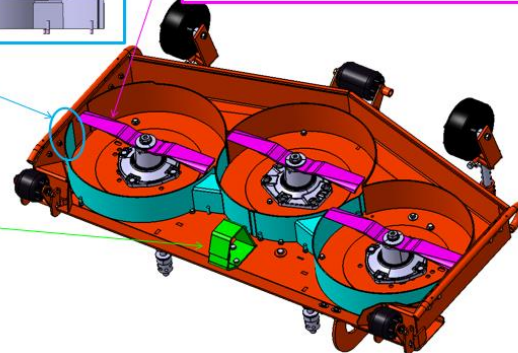
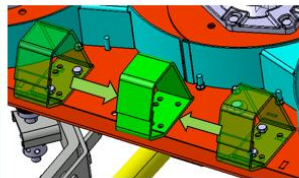
② Baffle ※only RD
Purpose: Increase the grass discharged by rear discharge chute



① Blade
Purpose: Reduce uncut grass



③ Skid ※only RD
Purpose: Reduce clumping



BENEFIT

- ✓ **Faster mowing with better results.**



TECHNICAL FEATURE

Rotary mower



ADVANTAGE

- Fabricated steel deck construction.
- 5.5" deep deck design.

BENEFIT

- ✓ Stronger and more durable than conventional pressed steel decks
- ✓ Deep deck let's tall grass stand up longer so that it can be cut more efficiently

TECHNICAL FEATURE

Flail mower

Manufactured for Kubota by Peruzzo, Italy

Models available:
TEG 1400 Special
TEG 1600 Special



- 56" or 64" wide cutting area.
- Side skid protection from uneven ground and stones.
- Easily adjustable cutting height.
- High speed rotor.
- Triple overlap of blades.
- Gearbox with helical gears for lower noise output.
- Easily adjustable belt tensioner with auto spring tightening.



Heavy-duty belt drive

ADVANTAGE

- Rugged and durable mower

BENEFIT

- ✓ Heavy-duty drive components. Quick and easy to adjust.



TECHNICAL FEATURE

Flail mower

Manufactured for Kubota
by Peruzzo, Italy

Blade options

- **Cast Paddle Flail Blades.** Designed for rocky areas, featuring a durable 5mm thickness and the ability to be sharpened multiple times.
- **Molded Paddle Flail Blades.** Ideal for sports fields or large parks, providing a smooth and even grass cut.

TEG 1400 Special

- 88 durable 4mm Y-shaped flails deliver superior cutting and mulching performance.

TEG 1600 Special

- 100 durable 4mm Y-shaped flails.



ADVANTAGE

- Tall or short grasses cut effectively.
- Rear discharge prevents clippings from blowing back on the machine.

BENEFIT

- ✓ No pressure to mow regularly as the flail will tackle all conditions. This will result in less hours spent mowing, reducing working hours of the mowers and reducing fuel consumption expenses

TECHNICAL FEATURE

Mower deck lift/lower control



ADVANTAGE

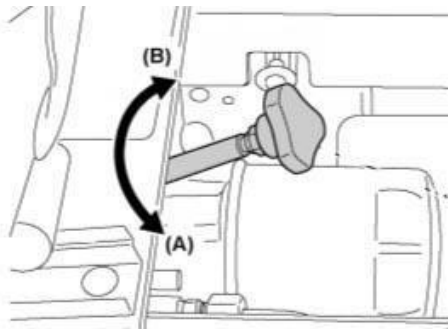
- Lift/lower lever operates front link arms.
- Simple and easy operation of the mower deck.

BENEFIT

- ✓ The deck returns back to the required cutting height every time.
- ✓ No time lost re-setting the cut height.

TECHNICAL FEATURE

Hydraulic linkage lowering control



ADVANTAGE

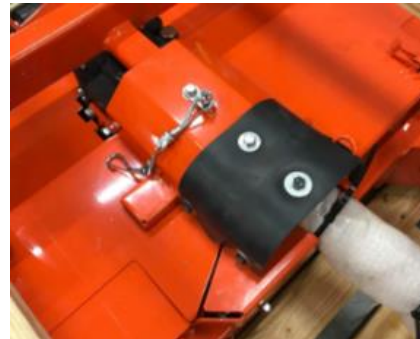
- Controls the speed of drop of the front mower.
- Safety with the operator having full control when lowering the mower.
- Lock position for transportation.

BENEFIT

- ✓ Prevents damage due to sudden impact with the ground.
- ✓ Transport lock prevents accidental lowering during site location movement.

TECHNICAL FEATURE

90° mower deck tilt



ADVANTAGE

- Faster and easier to tilt the mower than the previous procedure.
- Rubber cover means the universal joint does not have to be removed.

BENEFIT

- ✓ Improved tilting. Up to 150% faster.
- ✓ Easier tilt operation encourages more regular checks and maintenance.

TECHNICAL FEATURE

Mower deck gauge wheels

New semi pneumatic rubber tyres without inflation valve



ADVANTAGE

- Puncture proof tyres.
- Quick adjustment to set grass cutting height.

BENEFIT

- ✓ Height adjustable to suit the conditions.
- ✓ Quick and simple adjustment.



Options and Accessories

TECHNICAL FEATURE

High dump Collector (700 litre capacity)

Main differences are;

- Collection fan drive.
F-251 = Belt drive.
F391 = Hydraulic drive.
- Internal baffle grilles.
F-251 = Fixed positioned grille, removable for cleaning.
F-391 = Adjustable grille to adjust the crop flow depending on conditions.

NOTE: The collector is not available on cab models



GCD 901U – F251



GCD 901F – F391

ADVANTAGE

- High dump allows the operator to deposit the cuttings into a trailer.
- The collection system enhances the versatility of the machine.

BENEFIT

- ✓ Quick and easy removal of material

TECHNICAL FEATURE

Productivity

Within the collector there are a number of features to ensure the collection system is fully utilized.

- Direct chute of the grass from the top of the collector
- A “tank full” alarm to prevent overload.



ADVANTAGE

- Powerful fan and complete filling of the collector.

BENEFIT

✓ Maximises productivity

TECHNICAL FEATURE

High dump Collector – Safety features

- Rear bumper, avoid the machine hitting the truck while dumping grass
- Cylinder latches when the collector is raised.
- Rear door latching rod. Ensures the rear cover is secure if carrying out any maintenance to the collector.



ADVANTAGE

- Operating, Cleaning and general maintenance undertaken in complete safety.

BENEFIT

✓ Safety assured

TECHNICAL FEATURE

ADVANTAGE

High dumping



- Lever operated system.
- Good vision to the collector.

BENEFIT

- ✓ Rapid unloading ensures fast return to mowing

Operated by separate levers from the RH console.

1. raise/lower
2. Tilt/retract.



GCD901 F for F391 => premium grasscollector

Fan		
Power source		Hydraulic motor
Type		Foldable blades
Diameter	mm	450
Rotation speed	rpm	2600



GCD901 F advantages

- Can easily be dismounted in 10 minutes allowing to switch task easily
- Adjustable grids to adjust air flow according to grass condition (wet, dry, presence of leave, etc....)
- PTO can be started in all conditions (no need to start smoothly)
- ECU to control safety clutching and oil cooling

GCD901 F constraints

- Need hydraulic and electronic knowledges to be fixed
- Additional radiator is needed to cool the oil
- Important investment

=> Matches well for Municipality usage !

GCD901U Grasscollector for the F-251

Fan		
Power source		Belt driven
Type		Foldable blades
Diameter	mm	450
Rotation speed	rpm	2700



Note :
The GCD901F is not available for the 2WD version F- 251E

GCD901 U advantages

- Easy to be fixed
- Energy transfer is possible. Fan inertia can help machine runs through tough grass patches
- Low investment

GCD901 U constraints

- Complicated to dismount
- Need to clutch the fan smoothly to avoid premature wear
- Fan must be is the same axle than the machine => wider total width

=> Matches well for contractors usage !



TECHNICAL FEATURE

Road homologation kit

Allows the machine to legally drive on the road



TECHNICAL FEATURE

Foldable canopy



TECHNICAL FEATURE

Different tyre choice

Allows to match every working conditions



Narrow turf



Wide turf (4WD only)



Ag type (4WD only)

TECHNICAL FEATURE

Pneumatic suspended high comfort seat.



TECHNICAL FEATURE

Turn assist brake kit

Allows independent braking. Tight turning can be achieved using independent braking but could also cause damage to the grass.



TECHNICAL FEATURE

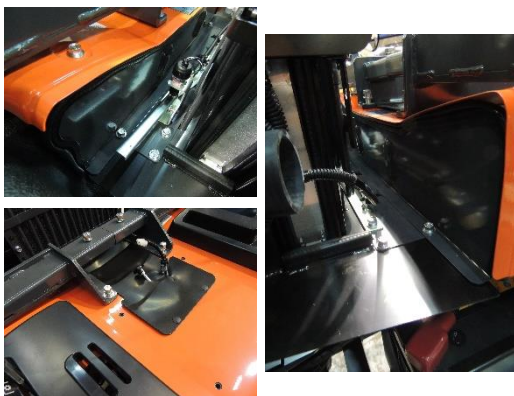
Cruise control



TECHNICAL FEATURE

Dust proof kit

Fitted in very dry conditions. Protects the engine and transmission compartment from excessive dust particles.



TECHNICAL FEATURE

Front triangle cat 0 To equip any implements





Technical Data



F Series

Technical data 1/8

		F Series		
		F-251E (2WD)	F-251 (4WD)	F-391 (4WD)
Range		Out front mowers		
Model		Japan		
Version				
Manufactured				
ENGINE				
Manufacturer		Kubota		
Model		D1105	D1105	V1505
Emissions	Stage	V		
Emission control system		Not required	Not required	DPF incorporating DOC
Cylinder	n°	3	3	4
Valve	n°	2 per cylinder	2 per cylinder	2 per cylinder
Displacement	cc	1123	1123	1498
Aspiration		Natural	Natural	Natural
Injection system		Unit injector	Unit injector	Common rail
Cooling system		Liquid	Liquid	Liquid
Cooling fan		Fixed	Fixed	Fixed
Gross power	hp/kW	25.2 / 18.5	25.2 / 18.5	37.4 / 27.5
Engine rated speed	rpm	3000	3000	2500
Engine hand accelerator		•	•	•
Battery	V/CCA	12 / 582		
Fuel tank capacity (std)	litres	61		
lateral exhaust pipe		•		
Oil-change interval	hours	200		



F Series

Technical data 2/8

Range	Model	F Series		
		F-251E (2WD)	F-251 (4WD)	F-391 (4WD)
Version		Out front mowers		
TRANSMISSION				
Manufacturer		Kubota		
Transmission type		Hydrostatic Transmission (HST) with dual range		
Forward speed range	km/h	Low range 0 – 9 / High range 0 - 20		
Reverse speed range	km/h	Low range 0 – 4.8 / High range 0 - 11		
Transmission control		Motion foot pedal		
Cruise control		○		
Drive wheel type		2WD	4WD	4WD
Differential lock		-	●	●
PTO				
PTO drive clutch		Hydraulically engaged wet clutch pack		
PTO drive engagement		Lever	Lever	Lever
PTO speed	rpm	2545	2545	2545
BRAKES and STEERING				
Brake type		Wet disc	Wet Disc	Wet Disc
Parking brake		●	●	●
Parking brake engagement		Lever on steering column		
Steering operation		Steering wheel		
Tilt steering wheel		●		
Steering system		Hydraulic power steering		



F Series

Technical data 3/8

Range	Model	F Series		
		F-251E (2WD)	F-251 (4WD)	F-391 (4WD)
Version		Out front mowers		
OPERATOR PLATFORM and CAB				
Instrument panel		LCD Display		
Tachometer			•	
Hour meter			•	
Fuel level gauge			•	
Service interval warning indicator			•	
DPF regeneration switch		-	-	•
Work light		LED	LED	LED
Cab heater / air conditioning		-	-	•
Operator seat belt			•	
Tie strap brackets			•	



F Series

Technical data 4/8

		F Series		
		F-251E (2WD)	F-251 (4WD)	F-391 (4WD)
Range				
Model				
Version		Out front mowers		
DIMENSIONS AND WEIGHTS				
Front tyres		23 x 10.5 x 12 (4PR) Turf	24 x 12 - 12 (4PR) Turf	24 x 12 - 12 (4PR) Turf
Rear tyres		16 x 6.5 - 8 (4PR) Turf	18 x 9.5 - 8 (8PR) Turf	18 x 9.5 - 8 (8PR) Turf
Wheelbase	mm	1300	1300	1350
Overall length (With mower deck)	mm	3075	3020	3100
Overall height (With ROPS)	mm	1977	1985	1985
Overall height (With CAB)	mm	-	-	2030 (without beacon light)
Overall Width (Without mower deck)	mm	1240	1370	1370
Total weight (Without mower deck)	kg	727	741	853 ROPS / 1071 CAB



F Series

Technical data 5/8

Range		F Series	
Model		RCK 60	RCK72
Compatibility		F-251E ; F-251 ; F-391	F-391
ROTARY MOWER DECK		RCK 60	RCK72
Drive system to the deck		Cardan shaft	
Deck lifting / lower		Hydraulic lever control	
Deck mounting		2-point linkage	
Discharge direction		Side or rear	
Cutting width	mm	1524 (60")	1826 (72")
No. of blades		3	
Cutting height range	mm	25 – 129 (1 – 5")	
Weight	kg	190 (SD) / 193 (RD)	224 (SD) / 229 (RD)
Adjustment of Cutting height		Adjust the front gauge wheels / anti-scalp rollers	
Anti-scalp rollers / Gauge wheels		3 (1 front / 2 rear) / 2 front adjustable	
Mulching kit		○	○
FLAIL MOWER DECK		TEG 1400	TEG 1600
Cutting width	mm	1400 (56")	1600 (64")
No. of blades		88	100
Cutting height range	mm	25 – 88 (1 – 3.5")	



F Series

Technical data 6/8

Range		F Series	
Model		F-391	F-251
Version	unit	GCD901F	GCD901U
Main specification			
collector capacity	l	700	700
grass weight capacity	kg	130	130
Dimension			
length (without pipe)	mm	1300	1200
width (without pipe)	mm	1400	1600
Height	mm	1990	1990
Weight	Kg	365	340
Weight (oil included)	kg	390	N/A
Front balast recommended		No	No
Drive line			
PTO type		Hydraulic system (Pump,motor)	Mecanical system (Belt)
safety drive line		Hydraulic relief valve (180bar)	N/A
one way		N/A	N/A
Bracke		Hydraulic relief valve (75bar)	N/A
oil of gear box		Super UDT	N/A
oil volume	l	25	N/A
Gear box max power output	kw	9	N/A
Pressure circuit	Bar	180	N/A
Flow	L/min	30	N/A



F Series

Technical data 7/8

Range		F Series	
Model		F-391	F-251
Version	unit	GCD901F	GCD901U
Fan			
input pipe diameter	mm	200	200
Fan position		Axle perpendicular to the machine	Axle parallel to the machine
type		foldable forged fan	foldable forged fan
diameter	mm	450	450
speed revolution	Tr/min	2633	2561
Stopping time	s	4,48	20,2
blowing fonction		N/A	N/A
blowing flow way		N/A	N/A
Blowing Flow	l/s	N/A	N/A
Blowing speed	km/h	N/A	N/A
Box			
Box		PEHD	PEHD
Door		PEHD	PEHD
Net		Fix with adjustable opening	Removable without adjustment
Net size	m ²	0,7	0,7
Sensor and auto function			
grass collector full tank management		JCF + link to hydraulic transmission	N/A
cooling fan			
		initial reverse cooling in all condition	N/A
		auto reverse by timing to autoclean	
		over heat timing delay 2 minutes	
failure diagnostis			
		buzzer alarm in case of OPC collector position or over heat	N/A
harness			
		full waterproof plug for all sensor	full waterproof plug for all sensor



F Series

Technical data 8/8

Range		F Series	
Model		F-391	F-251
Version	unit	GCD901F	GCD901U
Hydraulic			
lifting		1Double effect (Green and Yellow)	1Double effect (Green and Yellow)
dumping		1Double effect (Red and Blue)	1Double effect (Red and Blue)
Hydraulic connexion		ISO A 1/4 M/F left side	No
Full dumping time	s	15,6	15,7
Full closing time	s	16,4	15,5
Cinematic		Z cinematic with autolift during dumping	Z cinematic with autolift during dumping
Grease nipple		18, located in both side of the machine direct access	18, located in both side of the machine direct access
Road Homologation			
Rear/Front light		Option	Option
plate		Fit on the grass collector frame (Option)	Fit on the grass collector frame (Option)

Finance with Added Value

At Kubota Finance, we support you to realize your investment in an easy, convenient and trusted way.

**Investment protected -
easily financed**

- Finance, Lease, Rent
- Tailored financial solutions for machines and services
- Professional consultancy
- Individual service
- Attractive terms
- Full cost control
- Interesting and fair conditions, i.e. monthly instalments





F Series – Power and performance

USP Summary

Kubota 3 or 4 cyl engine, 1123cc or 1498cc

Internal wet disc brakes

Mulching kit available

Cab with heater / air conditioning

Adjustable tilt steering wheel

Kubota 2-range HST transmission

Hand operated parking brake

Solid rubber depth gauge tyres – Maintenance free

Transportation strap down hooks

LED front work light

Maximum speed 20 Km/h

Independent PTO drive shaft system

Comfortable operating position with generous floor area

90° tilt mower deck

2-year warranty

4WD with Auto Assist 4WD

Lever operated hydraulic deck lift/lower system

Flail mower option

Fully opening hood for engine access

Made in Japan

Differential lock

Adjustable lowering speed of the deck

Cab or ROPS

Large 61 litre fuel tank

All main components made in-house



Kubota

This product guide is document for internal use only and can't be share with other person without prior permission of KUBOTA. Every effort has been made to ensure that the contents of this publication were accurate and up-to-date at the time of going to press. All rights reserved. No part of this publication may be reproduced in any form by any means, without prior permission of Kubota. Kubota reserve the right as a manufacturer to amend and update any specification or performance information without notice, if required.