



FD 13.09 4WD

Hydrostatic Out-Front Mower

Grillo
AGRIGARDEN MACHINES

FD 13.09

GRILLO design and build machines always giving careful consideration to the operator's needs, to transform work into pleasure



Grillo is your guarantee of quality.

The company strives for continuous improvement through innovation.

Continuous improvement results in quality and reliability and this, combined with excellent customer and spare parts service, means that Grillo machines retain their value over a long period.

FD 13.09

Hydrostatic mower perfect for maintenance

The **FD 13.09 4-wheel drive** hydrostatic mower has been specifically designed for cutting and collecting grass. Its wide cutter deck and spacious grass box, together with an extremely small turning radius makes it the ideal machine for green operators. Anywhere you need an immaculate and manicured finish.



The **integral permanent 4WD** system allows users to work in excellent **safety conditions on any slope**.



FD 13.09 is unequalled in the maintenance of school gardens, public parks, sports facilities, camping, riding areas ... anywhere you need both a nice and efficient cleaning.

FD 13.09

A well-done job combined with great reliability



Its agility, its ease travelling over curbs make it ideal for the maintenance of road flower beds and roundabouts.



FD 13.09 has a great cutting and collecting capacity; it is unmatched in extreme conditions with high or wet grass.

The grass box has an excellent discharge height, 200 cm of height and 30 cm of rear overhang, enabling the user to easily empty the grass box into a truck or container.

FD 13.09 is also ideal for collecting leaves.



FD 13.09

Versatile mower with functional applications and accessories



The **FD 13.09** hydrostatic mower can be used with various accessories.

- Cutting deck 155 cm with collection, with both the hydraulic cutting height adjustment and the hydraulic tipping electrically-operated.
- 135 cm flail mower with standard supplied aerator kit.
- MP 130 cm cutter deck with three blades and an integrated mulch or rear discharge function. The change between each function is easily carried out by means of a an electrical push-button on the dashboard.
- LMP 160 cm cutter deck with three blades and three different functions: mulch, rear or side discharge. The user can shift from a function to the other simply by removing the bulkheads. This operation can be carried out easily and quickly in the field by the operator himself.



- Comfort cabin with heating system.
- 150 cm front blade.
- Pneumatic dampened seat

MP 130 cm Mower cutting deck



Mulching/Rear discharge Cutting change operated via an electrical switch

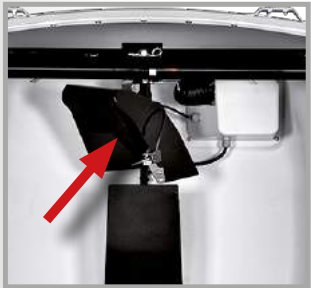


LMP 160 cm Mower cutting deck



FD 13.09

Professional mower with great cutting and collecting capacity



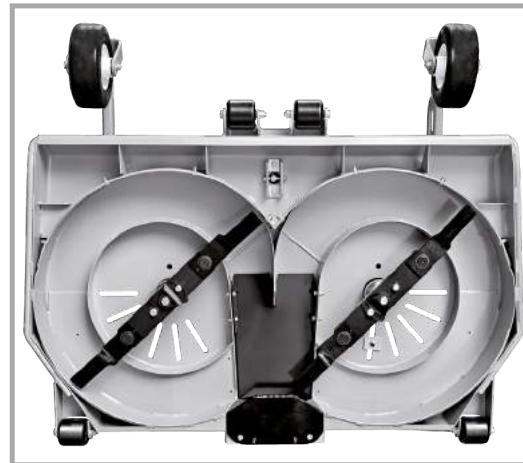
mobile grass distributor



complete compaction



load accelerator



Mulching kit as a standard feature on cutting decks with collection



hydraulic assisted and continuous cutting adjustment

FD 13.09 can be equipped with two kinds of mower deck, 132 cm or 155 cm with collection and mulching kit. Both cutter decks are centre-positioned, extremely robust and transmission via cardan joint with oil-bath angle gearboxes.

The PTO hydraulic multi-disc clutch is equipped with blade brake and electrically-operated, ensuring therefore greater reliability and maximum duration. PTO and collection are engaged independently.

The cutting deck floats hydraulically maintaining constant surface pressure in all conditions allowing it to perfectly suit uneven ground.

Cutting height by means of an electrical push-button on the dashboard is continuous, thus allowing the operator to adapt the machine to all working conditions easily, quickly and precisely.

The innovative grass collection system employs a unique accelerator which transfers mechanical energy to the clippings eliminating the need for large air flows, consequently noise and fuel consumption are drastically reduced whilst still maintaining excellent collection capabilities.

The inside of the collector is equipped with a **filtering grid and a motorised grass distributor** that ensures complete filling and compaction of grass.

A sensor detects when the collector is full and disconnects blade rotation to prevent obstructions.

FD 13.09

Compact mower with an excellent turning radius



FD 13.09 is a compact mower with a very narrow wheelbase, equipped with power steering and a turning radius of only 31 cm. To obtain these features, **Grillo** has designed a special steering geometry, putting the axis of the steering wheel on the vertical side of the tire and equipping the steering arm with a double articulation. Thanks to its front cutting deck, **FD 13.09** ranks at the top of its category for manoeuvrability, efficiency and working speed around obstacles.



FD 13.09

Powerful transmission and excellent stability



FD 13.09 is equipped with a **Yanmar engine** 3TNV82-1331 c.c.(31 HP 3000 rpm) 3 - cylinder diesel, direct fuel injection, liquid cooled with electric fan and both automatic and manual radiator cleaning.

Speed up to 15 km/h.

Tank capacity 25 L.

Optimal stability thanks to a careful weight distribution.

The machine is equipped with a **permanent integral 4WD** system which is maintained even with the narrowest steering.

In addition, an innovative system allows to automatically engage and disengage the differential lock.

It immediately detects the slope, thus considerably increasing the efficiency and the job safety even in extreme conditions.

It also frees the operator from engaging and disengaging the differential lock and guarantees full grip and stability of the machine. The operation can also be carried out manually.

Thanks to its steering system, its hydraulic and wheel transmission system and the automatic stabilisation device, this machine does not spoil the grass and has a low tyre consumption.

FD 13.09

Excellent comfort and total safety



FD 13.09 is equipped with a large and comfortable driving position plus an adjustable suspension seat, armrests and excellent control ergonomics.

The position of the adjustable steering wheel makes the driver's seat suitable for all operators.

All hydraulic controls for both the grass box and the cutting deck are engaged through electrical buttons.

Excellent sound insulation due to a reduction in air flow noise.

The flexible coupling which keeps the grass chute and collector together combined with a special air filter, situated high up in clean air, makes the machine comfortable and suitable for long work sessions in large areas.

Both cutting blades and grass box are disengaged automatically when the grass box is full to prevent obstructions.

FD 13.09 is equipped with safety belts and roll homologated protective roll bar.

The bar can be folded for easier operation under trees and obstacles.

The machine is equipped with lights to operate on public roads.



An electronic control unit and several sensors guarantee the safety of the machine.

FD 13.09

Simple maintenance and easy cleaning



- Access to the pre-filter, the engine air filter, the diesel filter and decanter and the hydraulic oil filter is easy. Even the battery is easily accessed, as well as the belt tensioner and the hydraulic PTO clutch.
- The cutter deck can be raised vertically for maintenance and blade inspection.



- Access to the engine compartment is easy. The greasing points for routine maintenance are marked in a label near the driver's seat.

- The radiator opens outward to facilitate inspection and cleaning and it is equipped with an automatic system which reverses the direction of the electric fan, in order to keep the whole surface of the radiator grid clean, and to guarantee constant control of the temperature. If needed, this operation can also be carried out manually by the operator. In addition it is possible to have access to the belt tensioner and to the grass load accelerator electromagnetic clutch.



FD 13.09 has been manufactured with an extremely strong chassis, a cutting deck body reinforced in the main working points and an oversized grass collector support frame. Extensive use of high performance steel was used in the assembling of the machine. The hydraulic components of the **FD 13.09** were designed to last over time.



- Easy rear access to the hydraulic components such as the service pump, drainage points and the grass grid can be removed for cleaning.



Grillo Technical Assistance
Efficient, practical pre and after sales service with a single goal: to always give our Customers quick, efficient answers.

Guarantee and Service Spare parts

Guaranteed machines. Spare parts service with fast delivery times: **value guaranteed over time.**

GTS Grillo Top Service

Grillo Top Service

On-site presentation and demonstration.

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FD 13.09 Hydrostatic mower with front cutting deck

TECHNICAL SPECIFICATIONS

	YANMAR ENGINE 3TNV82 DIESEL 1331 cc (31 HP at 3000 rpm) 3 cylinders, direct fuel injection Liquid cooling with electric fan, equipped with manual and automatic device for radiator cleaning
	FUEL TANK CAPACITY: 25 litres HYDRAULIC OIL TANK: 20 litres
	PUSH BUTTON DIFF-LOCK (also manual)
 <i>HYDROSTATIC</i>	STEERING SYSTEM: wheel with powered steering DRIVE: hydraulic 4-wheel drive (permanent integral even on narrow turning radius) SPEED: 0-15 km/h: continuously variable TYRES: front 23 x 10.50-12; rear 18 x 8.50-8 BRAKE: service drum brake and parking brake
	GRASS COLLECTOR: 900 litres HYDRAULIC DECK LIFT AND COLLECTOR EMPTYING DISCHARGE HEIGHT: 2000 mm, REAR OVERHANG: 300 mm CLUTCH: hydraulic PTO, with magnetic blade brake LOAD ACCELERATOR: with swinging blades, belt transmission + independent electromagnetic clutch, diameter 350 mm MOTORIZED DEFLECTOR THAT ENSURES COMPLETE AND UNIFORM COLLECTOR FILLING AUTOMATIC DEVICE: automatic disengagement of blades and load accelerator when collector is full
	CUTTING HEIGHT: from 20 up to 100 mm (132 cm cutting deck), from 20 up to 120 mm (155 cm cutting deck) continuously adjustable via button CUTTING WIDTH: 132 cm (132 cm cutting deck) - 155 cm (155 cm cutting deck)
	SEAT: super comfort with armrests, suspension and adjustable (optional pneumatic seat) STEERING WHEEL: mounted on adjustable column WITH LIGHTING KIT
	STEERING RADIUS: 310 mm
	ACCESSORIES: Collecting Cutting deck with 1320 mm, 1550 mm cutting deck with collection, MP Cutting deck with 1300 mm, LMP Cutting deck with 1600 mm, Shredder 1350 mm, Front blade 1500 mm, Comfort cabin with heating system
	HOURLY CAPACITY: 10.000 m ² /h
	WEIGHT without cutting deck: 995 kg WEIGHT with cutting deck: 1220 kg (132 cm mower deck) - 1280 kg (155 cm mower deck)



GRILLO SPA

Via Cervese, 1701 - 47521 CESENA (Italy)
Tel. (0039) 0547 633111 - Fax (0039) 0547 632011

Internet: www.grillospa.it
E-mail: grillo@grillospa.it

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