



FD 13.09 4WD

Hydrostatic Out-Front Mower

Grillo
AGRIGARDEN MACHINES

FD 13.09

GRILLO designs and builds machines with man in mind,
to transform work into pleasure



Grillo is your guarantee of quality. Our company continuously invests in innovation. Continuous improvement results in quality and reliability and this, combined with excellent service assistance and spare parts, means that **Grillo** products retain their value over time.

FD 13.09

Hydrostatic mowers 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 operators machine. 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 unsurpassed for maintaining school gardens, public parks, sports facilities, camping, riding areas ... anywhere you need a beautiful aesthetic and efficient cleaning.

FD 13.09

A job well done and great reliability



Its agility, its ease travelling over curbs and differences in height 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 collector has an excellent discharge height, 200 cm of height and 30 cm of rear overhang, enabling cuttings to be easily emptied into a truck or container.

FD 13.09 is also ideal for collecting leaves.



FD 13.09

Versatile with functional applications and accessories



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

- If necessary, thanks to the specially supplied kit, the 135 flail can be converted into an aerator.
- The MP 130 cm cutter deck has three blades with 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.
- The LMP 160 cm cutter deck has three blades offering three different functions in one : mulch, rear or side discharge. Each function change is performed simply by removing the bulkheads, an operation that can be carried out easily and quickly in the field by the operator himself.

- Comfort cabin with heating system.
- Front blade 150 cm.
- Pneumatic damped seat

Twin hydraulic take-offs for special implements (standard equipment)



- 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 with large cutting and collecting capacity



complete compaction



mobile grass distributor



load accelerator



Mulching kit as a standard feature



hydraulic assisted and continuous cutting adjustment

FD 13.09 is equipped with an extremely robust gear driven cutter deck, with a PTO shaft transmission and angular gears.

The cutting deck floats hydraulically maintaining constant surface pressure in all conditions allowing it to perfectly follow all undulations.

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 grille and a motorised grass distributor that ensures complete filling and compaction of grass.

A sensor determines when the collector is full and disconnects blade rotation to prevent blockage.

FD 13.09

Compact with an excellent turning radius



FD 13.09 is a small-sized mower with a very small 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 giving the steering arm double articulation.

Thanks to its front cutting deck, **FD 13.09** offers the best in its category as far as manageability, efficiency and speed of working around obstacles.



FD 13.09

Powerful transmission and excellent stability



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

Speed up to 15 km/h.

Tank capacity 25 L.

Optimal stability thanks to careful weight distribution.

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

Besides an innovative system allows to automatically manage the differential lock and unlock.

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

It also frees the operator from managing the differential lock and unlock and guarantees the full grip and stability of the machine.

The operation can also be done manually.

FD 13.09

Excellent comfort and total safety



FD 13.09 is equipped with a large and comfortable driving position and 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 the collector and cutting deck are activated by electrical buttons. Excellent sound acoustics due to a reduction in air flow noise.

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

The cutting blades and grass collection system are stopped automatically when the collector is full to prevent blockage.

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

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

The machine is equipped with lighting kit.



An electronic control unit and numerous sensors oversee machine safety.

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 electromagnetic 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 highlighted by 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 clean the whole surface of the radiator grid, 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 gain access to the belt tensioner, grass load accelerator and 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 construction throughout of the machine. The hydraulic components of the FD1309 were designed to last for many years.



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



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GTS Grillo Top Service

Grillo Top Service

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FD 13.09 Hydrostatic mower with front cutting deck

TECHNICAL SPECIFICATIONS

	YANMAR ENGIN 3TNV82 DIESEL 1331 cc (31 HP at 3000 rpm) 3 cylinders, direct fuel injection Liquid cooling with electric fan, equipped with manual and automatic 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: electromagnetic 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 MECHANISMS: automatic disengagement of blades and load accelerator when collector is full
	CUTTING HEIGHT: from 20 to 100 mm (continuous cutting adjustment by push button) CUTTING WIDTH: 132 cm
	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, 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



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