



FD 2200

Professional Hydrostatic Out-Front Mower

Grillo
AGRIGARDEN MACHINES

FD 2200

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 assistance and spare parts service, means that **Grillo** machines retain their value over time.



FD 2200

The top for maintenance

The **FD 2200** is the maximum expression of technology and performance which can be obtained today from hydrostatic mowers with grass collection. The Grillo **FD 2200** has an integral permanent 4WD system, front cutter deck, grass box of 1200 litres with grass discharge height up to 210 cm, 44 HP engine at 2600 rpm and a turning radius of only 62 cm, it is easy to operate and stable on slopes. The excellent cut from its 155 cm cutter deck, together with an efficient collection system combined with a hydraulic turbine, will satisfy the most demanding grounds maintenance operator.



The Grillo **FD 2200** has a high hourly output both in large open spaces as well as smaller areas with obstacles such as plants or benches, thanks to its maneuverability, the extremely small turning radius and its short wheelbase. Above all stability on slopes is maximized by carefully engineered weight distribution and also by the differential-lock which is both automatic or manually engaged.

FD 2200

A job well done with high reliability



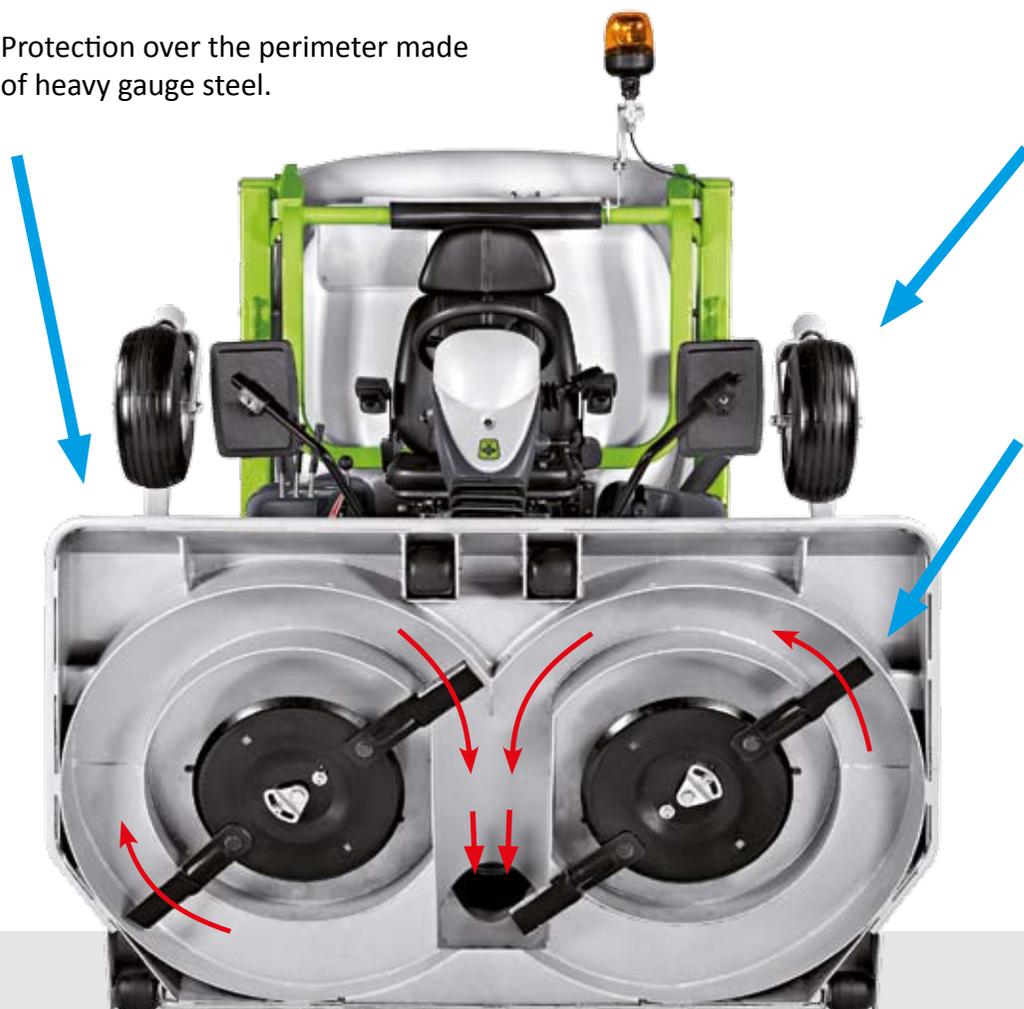
The Grillo **FD 2200** is equipped with an elevated grass discharge of up to 210 cm with a rear overhang of 50 cm, allowing to easily empty the grass into a truck or skip. The width of the tires with their garden tread pattern, helps to reduce any scalping of the surface, even with a full grass box. The rear axle pivots, allowing traction to all 4 wheels even on irregular terrain; sidewalks and curbs are easily surpassed. The Grillo **FD 2200** is suitable for all cutting conditions and is ideal for the collection of leaves.

FD 2200

A flawless cut under any condition

The Grillo **FD 2200** is equipped with a 155 cm cutter deck with integrated anti-scalp front wheels and a PTO transmission with bevelled gears which are made from heavy gauge steel. The edges of the deck are reinforced with steel protection to avoid the problem of wear due to contact with curbs and sidewalls. The angular gears are made of cast iron with helical cone gears in an oil bath. The bolts securing the blades discs have keepers to prevent them from coming loose. The blade hubs have dust protection to prevent damage from accidental contact with any abrasive material.

Protection over the perimeter made of heavy gauge steel.



Anti-scalp wheels on the front of the deck.

The blades are mounted on discs and are of the swing back type to protect the transmission from damage due to impacts against hidden obstacles. Blades are counter-rotating for efficient grass collection. The deck is easily tilted for inspection, transport or maintenance, without the need to detach the grass loading tube.

Mulch kit is included as standard equipment. Detail: Kit mounted



The **FD 2200** can also be fitted with a 160 cm LMP cutter deck which has 3 different functions: mulch, rear or side discharge.



Mulching



Rear discharge



Side discharge

FD 2200

Adaptable to the most various situations



During winter, the **FD 2200** can be fitted with:

- Adjustable snow blade (+/- 30°) 175 cm wide, with rubber wear strip and an easy-to-use hydraulic control.
- Comfort cabin with anti-misting heater.

It is also possible to specify the cabin with air conditioning and a hydraulic kit for attachments.

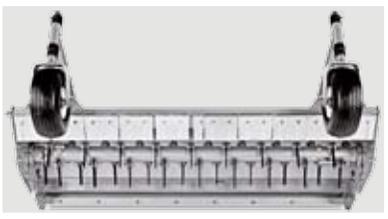
FD 2200

Well equipped with useful accessories

The **FD 2200** can be fitted with a 150 cm wide flail mower for heavy duty mowing. It is equipped with a rear anti-scalp drum-roll, and has a low-noise transmission made of helical cone gears. It comes with a blades kit to convert it into a professional scarifier/aerator.



The flail mower comes equipped with a mulching bar, which greatly increases the grass grinding.



Detail: blades Kit mounted



31 cm

FD 2200

Amazing collecting capacity and exceptional discharge



The grass collector has a capacity of 1200 litres. The powered grass distributor inside uniformly distributes the cuttings to guarantee complete filling. The collector is raised hydraulically to a height of 210 cm with a rear overhang of 50 cm. The rear door is opened and closed automatically via a mechanical lever.

Powered grass distributor

Total compaction

Turbine

The hydraulic clutch for the turbine is independent from that of the PTO.

The integrated cut and collect system of the FD2200 is extremely efficient, thanks to a big (400 mm) turbine with high performance even when in tough conditions such as high and wet grass. It is made from special anti-wear steel with a 5-paddle rotor designed to maximize output and minimize noise. It is operated by a hydraulic motor utilizing a shockproof valve for protection and also has a double ball bearing in the lower half which has a grease point. The air flow generated forces the grass through the steel loading tube and compacts it inside the collector. The turbine's chassis is fitted with replaceable wear parts. The grass collector has a capacity of 1200 litres. The powered grass distributor inside uniformly distributes the cuttings to guarantee complete filling. The collector is raised hydraulically to a height of 210 cm with a rear overhang of 50 cm. The rear door is opened and closed automatically via a mechanical lever.

FD 2200

A robust, easy to operate mower



The Grillo **FD 2200** utilizes a Yanmar diesel engine 4TNV88 – 4 cylinders producing 44 HP at a low rpm of 2600 and is mounted on rubber silent blocks to reduce noise and vibration levels. The engine is liquid cooled with an automatic cleaning radiator. The hydraulic cooling fan can reverse its rotation to eliminate grass residuals on the radiator. This system is automatic and regulated by a sensor, but it can also be activated manually. The PTO clutch is a hydraulic multi-disc unit incorporating a blade brake and it is electronically activated by a button, which guarantees reliability and a long life span. The PTO clutch is independent from the one of the collection turbine. Moreover, there is the presence of an Automatic Synchronized System, thanks to which the collection turbine always stops with a few seconds delay with respect to the blades disengagement (PTO), in order to completely clean the loading tube from any cut's residuals.

The driving position is high and ergonomic, the steering is powered, and it can be adjusted in height and inclination. The forward & reverse pedals are servo-assisted. Every detail is designed so that the operator does not suffer fatigue even after extended periods of use. The **FD 2200** has a large, comfortable and adjustable suspension seat, with armrests. The hydraulic controls for the collector and cutter deck are activated by hydraulic levers. The protective roll bar can be folded and it comes as standard equipment, as well as the lights kit homologated for road use. The comfort cabin with heating and air conditioning may be requested as an optional.

The cutter blades and collection system will stop automatically when the collector is full in order to avoid blockages.

The cutter deck can be tilted for easy maintenance and can be cleaned without having to detach the collection chutes. This deck is designed and built for intensive, professional use, without the driver feeling fatigue, even after extended working periods.



FD 2200

Quality components for an easy maintenance

The **FD 2200** 4WD has passed extremely extensive testing to assure the reliability of its transmission, cutting system, chassis, and all other systems. Everything is built in house from the cutter deck, turbine, and machine chassis to the gears and other internal components using only the best material and technology available, in order to achieve a high, constant and 100% controlled quality.

The grass filtering grill can be removed for cleaning.



Easy rear access to the hydraulic components such as the variable pump and the service pump.



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.



Stability system with automatic differential-block.

Grillo installs only the best engines in its machines! Consumption, emissions, noise and vibrations are reduced to a minimum. 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 rotation of the 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.

FD 2200

Beyond the product values that make the difference



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

Guarantee and Service Spare parts. Quality for components and solutions. 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 2200 Hydrostatic mower with front cutter deck

TECHNICAL SPECIFICATIONS



YANMAR ENGINE 4TNV88, DIESEL 2199 cc (max 44 HP at 2.600 rpm) 4 cylinders
Liquid cooling with electric fan, equipped with manual and automatic radiator cleaning.
HOURLY CONSUMPTION: 7.5 L/h



FUEL TANK CAPACITY: 35 litres
HYDRAULIC OIL TANK: 20 litres



DRIVE: hydraulic 4-wheel drive (permanent integral even on narrow turning radius)
AUTOMATIC OR PUSH-BUTTON DIFF-LOCK
GEAR: hydrostatic transmission with 4 hydraulic motors on each wheel

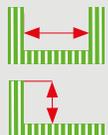


HYDROSTATIC

STEERING SYSTEM: wheel with powered steering
CLUTCH: electromagnetic PTO, with magnetic blade brake
SPEED: 0-20 km/h: continuously variable
TYRES: front 24x12.00-12; rear 20x10.00-10



GRASS COLLECTOR: 1200 litres **HYDRAULIC DECK LIFT AND COLLECTOR EMPTYING**
DISCHARGE HEIGHT: 210 cm, **REAR OVERHANG:** 50 cm
LOADING TURBINE: diameter of 400 mm with hydraulic motor, equipped with safety valve against shocks
MOTORIZED DEFLECTOR THAT ENSURES COMPLETE AND UNIFORM COLLECTOR FILLING



MECHANISMS: automatic disengagement of blades and turbine when collector is full
BRAKE: service drum brake and parking brake
CUTTING HEIGHT: adjustable to 25-35-50-60-75-85-95-110 mm
CUTTING WIDTH: 155 cm



SEAT: super comfort with armrests, suspension and adjustable
STEERING WHEEL: mounted on adjustable column, can also be longitudinally reclined **WITH LIGHTING KIT**
STEERING RADIUS: 62 cm
ACCESSORIES: cutting deck LPM of 160 cm (side and rear discharge, mulching) – flail of 150 cm with scarifier kit - hydraulic kit for attachments – adjustable snow blade of 175 cm with rubber end and hydraulic control - comfort cabin with heating and with options for air conditioning kit



HOURLY CAPACITY: 15500 m²/h
DIMENSIONS (with cutting deck): Length: 3420 mm-Width: 1620 mm-Height: 1830 mm



GROUND CLEARANCE: 180 mm **CENTRE DISTANCE:** 1260 mm
WEIGHT (without cutting deck): 1280 kg **WEIGHT** (with cutting deck): 1460 kg



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