

**PG**  
**PG / SR XPRO**



**Gianni  
Ferrari**

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## PG / PG - SR XPRO

The PG/SR range is made up of some of Gianni Ferrari's most well-known and widely used **multi-function work machines**, in 3 main versions: **PG**, **PG XPRO** and **SR XPRO** (without collector).

**Versatility** and **manoeuvrability** are the winning characteristics that bring the range onto different stages such as **private gardens**, **school gardens** and **camp sites**, without forgetting major **sporting facilities** with natural or synthetic grass.

**Compact dimensions**, **performance** and **reliability** are what make PG/SR the crucial ally of numerous **municipalities**, optimising the care and cleaning tasks of public parks and gardens and moving easily on roundabouts, sidewalks and traffic islands.

Not even the harshest conditions create an insurmountable obstacle for PG/SR, which can get around even in **very high, overgrown grass** in **large rural areas**, **snowdrifts** and **ice** formation in open spaces, **cycle lanes** and **car parks**.



# MULTI-FUNCTION

**Quick access** to the front-mounted attachments, and their **outstanding interchangeability**, are two significant plus factors that enable the PG/SR range to play a leading role in **4 different sectors** (agriculture, gardening, cleaning and snow) with **top comfort and performance**, whether it's a question of cutting grass or removing litter, cans and dry leaves, or clearing snowdrifts at the sides of roads and cycle lanes. Characteristics that, at the same time, accentuate the **excellent versatility** not only of these models but of the whole selection of Gianni Ferrari multi-function vehicles.

The latest **Smart System** patent on our next generation flail mower - which allows the blades (Y, spoon and vertical) to be changed and combined on-site in less than 15 minutes thanks to the innovative magnet system - boosts the already considerable number of attachments for the PG/SR, and ensures that the economic investment is countered by the notable advantage of being able to use the same machine throughout the whole year.

The GF3x1 Plus flail mowers with collection are fitted with a reinforced rotor with magnetic blade-locking pins that are impossible to move even if they accidentally come into contact with stones or large bushes. A small hydraulic cylinder, activated by means of a handy button (or an equally practical lever in the manual version), enables perfect mulching and unloading onto the ground; these components, in fact, quickly move a sheet metal guard that isolates or links the cutting rotor area and the area of the collection screw conveyor.





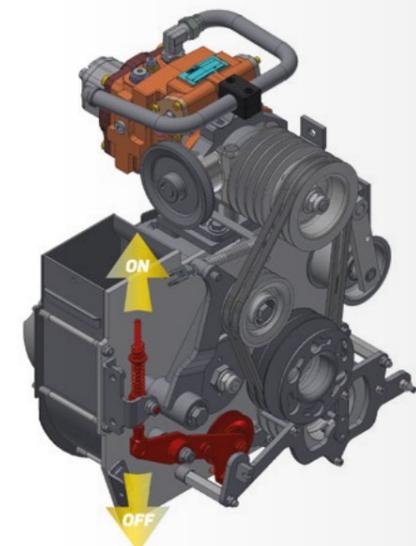
# BUILT-IN COLLECTION SYSTEM

The PG models are designed as multi-function collection machines. That's why they have a built-in loading system: the **powerful suction turbine**, made of a hard-wearing resistant material, and the collection tube, are an integral part of the power unit.

This solution makes the PG the only one of its kind on the market, for various reasons:

- / the absence of protruding side parts in the form of external collection tubes means it's **highly compact**, with unbeatable manoeuvrability even in narrow spaces, all to the benefit of productivity;
- / the **machine is more stable and balanced**, thanks to the better positioning of the centre of gravity;
- / the **collection procedure is more effective** because the cut grass has to travel a shorter distance so there's less risk of losing the load;
- / **there is no cutting waste left on the lawn**;
- / **no clogging of the turbine and collection tube**;
- / **exceptional versatility** of the machine, as the turbine and collector are always ready to be used with different types of attachment.

Complete technological innovation **on the XPRO version**, thanks to the **possibility to COUPLE and DECOUPLE the suction turbine** (regardless of the PTO) as required, for the various attachments mounted on the machine. This has been made possible by special electric actuators commanded from an interface button on the new dashboard on the machine.



# CUTTING SYSTEM

All the cutting devices are equipped with solid run-flat rubber wheels and **discs with a twin pair of retractable anti-collision blades** that absorb any knocks, safeguarding the transmission from impact with foreign bodies on the ground.

The twin cutters prevent the accumulation of grass and soil debris in the upper inside part of the lawn mower body, maintaining an even cutting quality throughout the task and reducing stoppages to clean the equipment.

The same system ensures that the cut material is very finely shredded, improving collection and compaction in the collector.

All the decks are fitted with **a transmission with mechanical reducers** in ductile cast iron with oil-bath conical helicoidal gears, for **a unique level of robustness and reliability**.

The **lawn mower decks** are of the **floating type** so they adapt perfectly to the slopes in the ground, ensuring precise cutting at all times.

On the 126 and 130 cm decks, the cutting height can be adjusted very quickly with the SA™ system, involving a handy manual spring lever positioned directly on the upper part of the deck.

A front opening in the body makes the edge higher than the cutting level of the blades. This height difference means the grass isn't crushed so the blade can make an accurate cut even on tall grass, with mobile flaps that open in this case to ensure safety and then close again with short grass or when hit by objects inside.

The 130 RCA lawn mower stands out for the blade rotation direction, which is the opposite of that on traditional lawn mowers. The particular RC™ rotation, combined with the exclusive and purposely designed body, guarantees a cutting quality similar to that of a mower with helicoidal blades plus extremely high hourly productivity.

A **2-point hydraulic lift** provides a ramp angle of 40° that's handy in the case of kerbs and pavements up to 17 cm high, and also facilitates the inspection, cleaning and maintenance of the lower part of the mower.



## THE ADVANTAGES OF FRONT CUTTING

- / **Better cutting quality:** the grass is not stepped on before cutting
- / **Better visibility and comfort** for the operator
- / **Better manoeuvrability and cutting** in areas that cannot be accessed by the midmount decks
- / **Better adaptation to the lopes in the ground**, for more precise cutting





# COLLECTOR

The high-capacity collector is made of polymeric anti-collision material and is fitted with:

- / a **screen** that regulates the air flow during the collection and can easily be removed for cleaning;
- / a **deflector** and a **motorised rotary load distributor** to evenly distribute and compress the grass, exploiting the entire loading space;
- / a **"full collector" buzzer**, to prevent it from getting clogged.

Every PG model is available with an **elevator for high unloading**. Thanks to a hydraulically activated parallelogram system, the cut grass can be unloaded at a height of up to 205 cm into trailers of any size.

An **exclusive filter** with a **self-cleaning** function using an electric motor every time the suction turbine is deactivated, minimises the dispersion of dust and materials collected and is recommended as an optional for the sweeper with collection.



Collector and elevator	PG 230	PG 220D	PG 280D	PG 280DW	PG 220D XPRO	PG 280D XPRO	PG 280DW XPRO	PG 333W BFuel XPRO	PG 333W XPRO	
Collection system	Built-in turbine-assisted collection				Built-in turbine-assisted collection that can be disengaged					
Material	Highly resistant polyethylene									
Characteristics	Removable filtering screen for cleaning, anti-clogging (full load) buzzer and Motorised spreader for full packed load (for 800 L only)									
Capacity	600 L*/800 L**				800 L					
High unloading elevator	Hydraulic (as standard)									
Maximum emptying height	190 cm	192 cm	196 cm						205 cm	
Overhang at maximum height	35 cm		30 cm	35 cm				30 cm		

\*with 20" front wheels  
\*\*with 23" front wheels

# DRIVER'S SEAT

The driver's seat has been **carefully designed** to ensure the **best comfort** for the operator, to avoid fatigue even after many hours of working.

In the latest **XPRO version**, a painstaking study of the details has led to a 100% makeover of the driving area of the machine, characterised by a **modern design and eye-catching lines** that visibly widen the space and allow the driver to get on and off the machine easily from both sides.

In all the versions, the steering column height can be adjusted and the soft steering wheel has an ergonomic form and is combined with a knob. Power steering ensures light, precise movements.

To adapt to the height and weight of any operator, the PG has a **COMFORT SEAT complete with armrests** as standard, with pneumatic spring suspension (with adjustable height and rigidity) and heat seating available as optionals. The PG/SR XPRO versions also have a COMFORT SEAT, whereas the 280DW models are fitted with the **COMFORT PLUS** version as standard.

On the basic version, all the commands are distributed to the right and left of the driver's seat for easy access, with the hydraulic distributor levers protected from any risk of accidental activation.

On the XPRO version on the other hand, **the more highly stylised steering column** has **LED lights**. There's a document pocket and cup holder to the operator's left, and the **new, simplified dashboard** on the right with the accelerator, **two hydraulic levers (with up to 8 functions)**, the innovative **hydraulic function lock** and the **suction turbine on/off button**. To complete the fittings, a **handy USB port** for connecting any multimedia device with a that type of coupling, and another cup holder.



Driver's seat	PG 230	PG 220D	PG 280D	PG 280DW	PG 220D XPRO	PG 280D XPRO	PG/SR 280DW XPRO	PG 333W BFuel XPRO	PG 333W XPRO
Steering wheel	Ergonomic "soft touch" steering wheel with knob								
Steering column	Adjustable height			Modern design with height adjustment and LED lights					
Seat	COMFORT seat without armrests				COMFORT seat with adjustable armrests		COMFORT PLUS seat		
Optional	Standard safety belts								
	COMFORT PLUS seat with armrests						-		
	Seat heating								
Hard cab (optional)	Pneumatic spring suspension adjustable for the driver's height and weight								
	-	-	-	Heated and sound-proofed	-	-	-		
<b>Electrical system</b>									
Battery	12V / 44 Ah - with battery cut-off switch								
Consent and safety sensors	EEC European Standard / ISO								
Standard equipment	Electronic control unit for troubleshooting on safety systems and equipment anomalies (on diesel models only); hour counter; LED work headlights								
	-	-	-	-	Cup holder; USB plug				

# TRANSMISSION

The **hydrostatic** transmission system is highly efficient thanks to the piston-operated hydraulic motor, and guarantees **excellent performance**. In difficult conditions such as rough ground, slopes or poor grip, the mechanical differential ensures that all the available axle torque is transmitted to the wheel for better grip and excellent traction at all times.

On all the machines, the front axle consists of a differential unit that connects two oil-bath gear reducers to transmit the drive to the wheels.

The petrol versions of the PG range come with 2 drive wheels only, but the number increases to 4 on the diesel versions with bigger engines (including the SR XPRO).

The 4 drive wheels are accompanied by **the exclusive patented HTC™ device** (Hydrostatic Traction Control) that guarantees invaluable benefits:

- / it prevents the steering wheels from damaging the lawn when steering, **eliminating skids** caused by the hauling effect;
- / it guarantees **permanent traction on the 4 wheels**, which means **safety for the operator**.

This aspect is something that distinguishes us from the other products on the market which, during steering, have to deactivate the traction on one or two wheels, in practice losing the 4WD advantage that ensures greater safety.

The XPRO version has a **twin pedal** that regulates forward and reverse movement, while the **single pedal** of the basic version activates movement in both directions in a quick, user-friendly manner.

Transmission	PG 230	PG 220D	PG 280D	PG 220D XPRO	PG 280D XPRO	PG 280DW	PG/SR 280DW XPRO	PG 333W BFuel XPRO	PG 333W XPRO
Driving wheels	2WD				Permanent 4WD				
Transmission type	Hydrostatic						Variable displacement axial piston pump		
	Compact motor/pump unit on front axle, with reducer						Piston motor on front axle with reducer		
							Orbital motors on rear wheels		
Max forward speed	11 km/h				13 km/h		15 km/h		
Traction control	Mechanical differential locking								
	-						HTC™ system		
Forward - reverse	Single pedal		Twin pedal		Single pedal		Twin pedal		
Brakes	Hydrostatic service brake. Disc parking brake on front axle								
Steering system	Power steering wheel, reduced-radius steering on rear wheels								
PTO / Gear shift	Mechanical, with cardan shaft								
	With manual lever			With mushroom-head button		With manual lever		With mushroom-head button	
Auxiliary hydraulic connections	Optional		Standard		Optional		Standard		



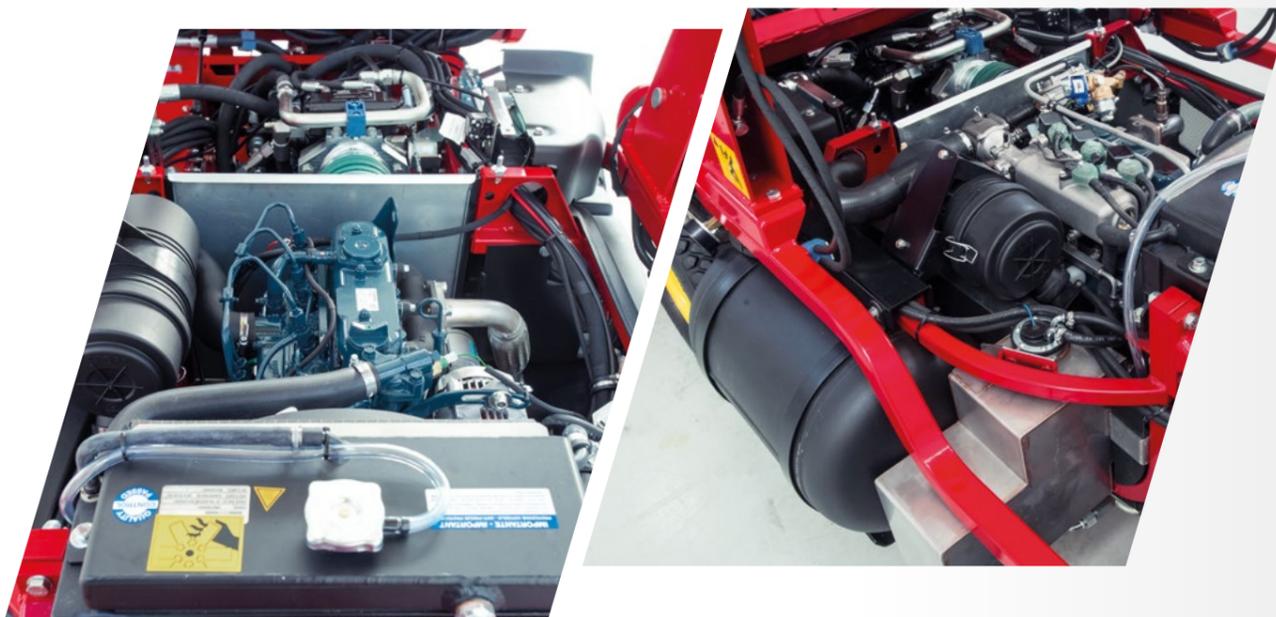
# ENGINES

The PG/SR range is fitted with professional **Briggs & Stratton twin-cylinder petrol engines** and **Kubota 3-cylinder diesel engines**. Both types fall within Stage V (low emissions), fully respecting anti-pollution legislation. The petrol engines are equipped with an air filter with two filtering elements and a forced lubrication system with an oil filter, to enhance both protection and working life.

For top performance, the diesel engines can count on liquid cooling.

The water/oil radiator, with its anti-clogging fin, is generously proportioned and ensures notable heat exchange even in heavy duty conditions, thus prolonging the lifespan of the engine, oil and hydraulic components. In this case, the filtering system is made up of a self-cleaning cyclonic pre-filter.

The brand new **PG 333W BFuel model with a Kubota LPG/petrol engine** is another addition to the range. This particular combination, offered by very few others on the market, aims to meet what has now become a significant need to optimise work costs due to the ever increasing diesel prices. The new version boasts two tanks - 35L (LPG) and 12L (petrol) - to cover the entire working day of a maintenance operator, offering notable savings during transit and when unloading the full collector thanks to the use of LPG alone, yet at the same time ensuring outstanding productivity thanks to the powerful petrol engine. Another factor that shouldn't be underestimated is the possibility to enter shared public and private work areas, currently off-limits to diesel engines. The same model is also available with a **Kubota petrol engine** only.



## Eco-Drive™

The diesel models have an **Eco-Drive™ selector** for more efficient and practical use. In Eco-Drive mode, the engine, PTO and collection turbine function at reduced speed to save on fuel and reduce the noise level. In heavy duty work situations on the other hand, the same components will work at maximum speed when **Boost mode** is selected.



Engines	PG 230	PG 220D	PG 280D	PG 280DW	PG 220D XPRO	PG 280D XPRO	PG/SR 280DW XPRO	PG 333W BFuel XPRO	PG 333W XPRO
Fuel	Petrol	Diesel					LPG / Petrol	Petrol	
Model	B&S VANGUARD V-Twin 386400	Kubota D902	Kubota D1105-E4		Kubota D902	Kubota D1105-E4		Kubota WG972	
Power / displacement / horsepower	16,9kW / 627cc / 23	16,2kW / 898cc / 22	19,2kW / 1123cc / 26		16,2kW / 898cc / 22	19,2kW / 1123cc / 26		LPG 22kW / Petrol 24,5kW / 972cc / 33	Petrol 24,5kW / 972cc / 33
No. cylinders / Cooling	2 / Air		3 / Liquid						
Fuel tank capacity	30 L						LPG 35 L / Petrol 12 L	35 L	
Fittings	Forced lubrication with pump and gears – Fuel filter with pre-filter Cyclone air filter with self-cleaning pre-filter								
Eco-Drive™ system	-								
Lights kit	Optional								

# WEIGHT AND DIMENSIONS

Tractor unit with ROPS, elevator and collector.

XPRO range	PG 220D XPRO	PG 280D XPRO	PG 280DW XPRO	SR 280DW XPRO	PG 333W BFuel XPRO	PG 333W XPRO
Kerb weight	865 Kg	904 Kg	1007 Kg	975 Kg*	1012 Kg	1007 Kg
Length / Width / Height [ROPS raised]	233x112x170 [205] cm			233x121x170 [205] cm		233x112x170 [205] cm

PG	PG 230	PG 220D	PG 280D	PG 280DW
Kerb weight	550 Kg	650 Kg	700 Kg	800 Kg
Length / Width / Height [ROPS raised]	225x106x164 [199] cm	225x106x164 [199] cm	227x114x166 [201] cm	227x114x170 [205] cm

\* without elevator or rear hydraulic tipper



# SR XPRO

All the technological and style innovations of the PG XPRO were the basis for the development and launch of the SR XPRO. This machine stands out primarily for the lack of a turbine, elevator and collector. Its frame is designed to lighten the overall weight.

The eye-catching new profile is an added plus on top of the excellent work results, especially when combined with the now familiar MFA 135 flail mower made by Gianni Ferrari with the patented Smart System technology.

Type approval for road use guarantees a high-performance multi-function machine without collection for mulching purposes, and its image is totally renewed thanks to the **new driving area**, the **black covers** on the motor and the new **dark grey wheel rims**.

With its **versatility and nimbleness**, this mulching machine with its 4 drive and steering wheels is in high demand for the maintenance and cleaning of huge overgrown rural areas and large urban centres.

There's also a highly resistant optional **polyethylene tipper** with **hydraulic tipping**, to facilitate the transportation of any material or work tool and the unloading of material loaded by the operator.







# WHEELS

The entire PG/SR range is fitted with two different pairs of tyres for better grip and driving force, but above all to optimise its compact height.

The rear wheels have power steering for precision and speed, requiring less effort from the operator and reducing work times and also giving the machine excellent stability and safety on cross slopes.

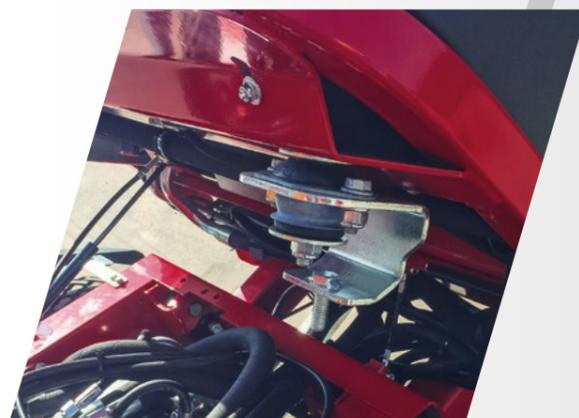
Wheels	PG 230	PG 220D	PG 280D	PG 280DW	PG 220D XPRO	PG 280D XPRO	PG/SR 280DW XPRO	PG 333W BFuel XPRO	PG 333W XPRO
Front wheels	20x10.00-8			23x10.50-12					
Rear wheels	15x6.00-6			16x7.50-8					



# PROTECTION BAR (ROPS) AND CAB

To ensure the driver is fully protected from branches when working underneath the foliage, and in the event that the machine tips over, the whole range is equipped with a new ROPS that can be fully lowered for transportation and garaging, and which also allows a handy **sun/ rain roof** to be mounted.

Finally, to enhance driving comfort even in the harshest weather conditions all year round, a rigid cab with glazed surfaces is available as an optional for the standard 4WD version; it's also heated and sound-proofed. Mounted on silent blocks and innovative anti-vibration systems, it can be tipped forward to allow direct access to the machine transmission.



# ATTACHMENTS



**PG** **SR** **COLLECTION DECK**

The 3 lawn mower deck models are of the floating type so they adapt perfectly to the slopes in the ground, ensuring precise cutting at all times. They have discs with a twin pair of retractable anti-collision blades that absorb any knocks, safeguarding the transmission from impact with foreign bodies on the ground.

Collection deck	112	126 SA	130 RCA
Characteristics	2 discs with twin pairs of retractable anti-collision blades		
Working width	110 cm	126 cm	130 cm
Dimensions (Length/Width/Height)	240/112/39 cm	288/126/12 cm	303/133/13 cm
Cutting height adjustable with the lever	From 1.5 to 9 cm	From 2 to 8 cm	
Weight	90 kg	106 kg	145 kg
Optional	Hydraulic cutting height adjustment kit		Standard mulching cap
	Mulching kit		



**PG** **SR** **"INLINE" REAR DISCHARGE/MULCHING DECK**

The mulching and rear discharge decks have 3 or 4 rotors aligned on the same axis and synchronized with oil bath gear transmission. Compact design with front overhang included to better follow bumps and depressions of the ground. The Dual-Cut™ rapid conversion system allows you to change the type of cutting, mulching or rear dumping in a moment, simply by using a convenient lever.

**Deck 130 Inline™**

Features	3 discs with articulated blades
Cutting width	130 cm
Dimensions (Length/width/height)	130/135/30 cm
Adjustable cutting height with lever	From 2 to 8 cm
Weight	120 kg



**PG** **SR** **DUAL CUT™ MULCHING/REAR DISCHARGE DECK**

With three blades, it ensures optimal shredding of the grass. Very powerful, with reinforced edges that can be replaced if worn. Using a quick conversion system, it switches from mulching to rear discharge in no time at all.

**132 Dual Cut™ HYDR deck - 3 blades**

Working width	130 cm
Overall dimensions (L/W/H)	123/133/43 cm
Cutting height electrically adjustable	From 1 to 9 cm
Weight	134 kg



**PG** **SR** **MULCHING DECK WITH SIDE DISCHARGE**

This is a mowing device with belt transmission and 3 aligned blades. The mulching version is the basic configuration, but the side unloading function can be quickly added thanks to the conversion kit supplied as standard.

**Mulching deck + lateral unloading 150 SM**

Working width	150 cm
Dimensions (Length/Width/Height)	100/170/34 cm
Manually adjustable cutting height	From 3 to 8 cm
Weight	134 kg



**PG** **SR** **VACUUM HOSE**

It can be used in all seasons to vacuum dry leaves, pine needles, pollen tangles to easily clean public and private areas, sidewalks and parking lots.

**Polycarbonate vacuum hose cleaner**

Length	500 cm
Diameter	16 cm
Weight	10,5 kg





## FLAIL MOWER MFA SMART SYSTEM

Entirely produced by Gianni Ferrari, the new flail mower is suitable both for cutting fine grass (spoon blades) and for cleaning rustic areas with brushwood (Y-blades). By adding vertical blades, combined with the previous ones, it aerates the ground while working. Three types of work with one piece of equipment.

### Flail mower with scarification (48/56 Y-blades)

Working width	110 cm	135 cm
Standard equipment	Spoon blade kit and vertical blade kit (24 blades)	Spoon blade kit and vertical blade kit (28 blades)
Overall dimensions (L/W/H)	113/157/53 cm	135/157/50 cm
Cutting height adjustable with the lever	From 0,5 to 8 cm	
Weight	120 kg	188 kg



## FLAIL MOWER WITH COLLECTION GF3x1Plus SMART SYSTEM

Entirely produced in Gianni Ferrari, the new Flail mower is indicated both for cutting fine grass (spoon blades) and for cleaning rustic areas in presence of brushwood (Y-blades). With also vertical blades combined with the previous ones, it aerates the ground during the work. Three types of work with a single equipment.

### Flail mower with collection and scarification (56 Y-blades)

Working width	135 cm
Standard equipment	Spoon blade kit and vertical blade kit (28 blades)
Overall dimensions (L/W/H)	130/157/50 cm
Cutting height adjustable with the lever	From 0,5 to 8 cm
Weight	280 kg



## CLEANING SYNTHETIC GRASS BRUSH

It can be used for the brushing and cleaning of artificial grass infilled with rubber granules and/or sand. Also suitable for cleaning athletic fields and tracks in tartan. The sweeper straightens the fibres and removes dirt which is then collected in the grasscatcher. Hydraulic angling  $\pm 30^\circ$ .

### Sweeper for cleaning UNFILLED ARTIFICIAL TURFS

Working width	100 cm
Brush diameter	50 cm
Dimensions (Lenght/width/height)	150/123/31 cm
Weight	98 kg

### Sweeper for cleaning artificial turfs WITH RUBBER AND SAND INFILL

Working width	100 cm
Brush diameter	50 cm
Dimensions (Lenght/width/height)	155/105/52 cm
Weight	124 kg



## TWO-STAGE COLLECTION SWEEPER

Excellent equipment for cleaning land of any surface, squares and sidewalks. Ideal for collecting paper, leaves and other waste. It has V-belt transmission and double brushes.

### SMG 120

Working width	120 cm
Brush diameter	Ø47 cm
Optional	Anti-dust filter and water spray kit
Overall dimensions (L/W/H)	151/130/70 cm
Weight	100 kg



## ROTARY SWEEPER

Device with a reinforced frame and a brush with cylindrical or segmented plastic bristles. The rotation and orientation of the brush is completely hydraulic. The direction of rotation of the brush allows the accumulation of debris/snow on the side of the tool, also equipped with 2 swivel wheels for better driving and use on any type of surface. Suitable for cleaning courtyards, cycle paths and roads and for removing freshly laid snow.

### Rotary sweeper with hydraulic orientation

Features	Plastic bristle brush Ø45cm
Working width	140 cm
Overall dimensions (L/W/H)	151/130/70 cm
Weight	115 kg





## SNOW BLADE

The snow blade can be hydraulically lifted and orientated, which means that the PG and SR can be used productively even in winter.

### Snow plough with hydraulic orientation

Working width	130 cm	150 cm
Hydraulic adjustment	30° to the left – 30° to the right	35° to the left – 35° to the right
Overall dimensions (L/W/H)	125/130/48 cm	131/150/57 cm
Weight	75 kg	114 kg



## SNOW THROWER

Two-stage snow thrower 130 cm with hydraulic rotation and plexiglass windscreen for the user.

### Two-stage snow thrower with hydraulic rotation

Working width	130 cm
Optional	Plexiglass Screen
Dimensions (Length/ width/height)	160/142/148 cm
Weight	160 kg



## SALT SPREADER

It could spread salt, sand, grit, manure and granulates of different kind and weight, covering surfaces from pavements to roads. Made by anti-corrosion material, it is composed by a distributor, spreading deck in stainless steel and polyethylene basket.

Salt spreader Polaro	110
Capacity	110 L
Spreading width	from 80 to 600 cm
Dimensions (Length/ width/height)	60/50/108 cm
Weight	40 kg





Advanced Groundcare Solutions™



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**PG 230**  
**PG 220D**  
**PG 280D**  
**PG 280DW**

**X**  
**PRO**

**PG 220D**  
**PG 280D**  
**PG 280DW**  
**PG 333W**  
**PG 333W BFuel**  
**SR 280DW**

