

Turbo1-2-4



 **Gianni
Ferrari**

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TURBO 1 - TURBO 1W

COMPACT AND POWERFUL

The latest addition to the range is extremely efficient on flat ground or on areas with slight slopes. **A powerful 3 cylinder diesel engine** and a large blower allow very high cutting speed and a very good cutting quality even with high, wet grass. A **1100 litre grasscatcher**, together with a **high dump elevator (dumping at 2.1 mt)** will make your job extremely productive. Very compact, it can easily work with obstacles and narrow paths. The **Turbo 1W is provided with patented HTC™ (Hydrostatic Traction Control) 4 wheel drive** for a perfect traction on hard slopes.



TURBO 2 - 4

FOR A MAXIMUM OF EFFICIENCY

Turbo 2 and 4 has the same features as Turbo 1 but with a more powerful **4 cylinder diesel engine** and a **1300 litre grasscatcher**. Performances in open areas consequently improve: a football field with thick and wet grass can be cut and collected within an hour, with a cutting quality very close to that obtained by a cylinder mower. The **Turbo 4 model features 4 wheel drive and HTC-VD™ system** for perfect drive on even the toughest slopes.



TURBO 2 - 4 CRUISER

OFFERING MAXIMUM COMFORT

The Turbo 2-4 Cruiser models feature a **spacious, suspended cabin**. The **standard** featured **heating and air conditioning systems**, together with **electronic transmission control**, make the Cruiser extremely comfortable for prolonged use in all weather conditions.



TURBO 4 FIFTY

FOR MAXIMUM TRACTION AND POWER

Unbeatable on areas with strong slopes. The low center of gravity allows safe cutting even on the side of slopes, where competitors' mowers could not work. A **50 hp engine**, a 2-speed transmission that maximizes traction and speed during transfer, a **1400 liter grasscatcher** make the machine a top performer.





CUTTING SYSTEM

The collection decks are distinguished by the **direction of rotation of the blades**, contrary to that of traditional mowers.

Reverse rotation, combined with the unique, specifically designed shape of the deck shell, offers a **cutting quality** close to that obtainable with a cylinder blade mower and also a **very high collection capacity without clogging**, even with tall and wet grass. **A front opening in the housing** of the plates makes the edge higher than the cutting level of the blades. This difference in height prevents grass from being flattened, allowing the blades to cut precisely even with long grass.

The deck maintains appropriate safety using **mobile flaps** that open in the presence of tall grass and close with short grass or if struck by objects coming from inside.

The mowers are equipped with disks with **dual pairs of shockproof swing back blades**.

3 GREAT ADVANTAGES

- / The **swing back blades** absorb shocks and protect the transmission against impact with foreign objects left in the grass
- / The **dual blades** prevent the accumulation of grass and soil debris in the top inside part of the mower deck, maintaining cut quality uniform throughout the session, and reducing downtime for cleaning the deck
- / The cut material is reduced to very small particles, **improving collection and compaction in the grasscatcher**



Collection deck	130 RCA	150 RCA	180 RCA
Features	2 Discs reverse rotation with articulated blades		
Cutting width	130 cm	150 cm	180 cm
Dimensions (Length/width/height)	107/134/32 cm	115/155/32 cm	118/185/35 cm
Adjustable cutting height with lever	From 2 to 8 cm		
Weight	150 kg	180 kg	200 Kg



Blade transmission by mechanical reducers with spheroidal cast iron boxes and helical bevel gears in an oil bath **is robust and reliable**. The discs with **shockproof swing back blades** protect the transmission against impact with foreign objects left in the grass.

The **decks are flat-type** to naturally follow terrain contour and therefore obtain a **perfect cut**. The deck wheels are puncture-proof with full soft rubber tyres. The exclusive **cutting height adjustment** is set by a single lever, very fast way and without any effort. The total time to vary the cutting height is less than 10 seconds.

The hydraulic lift of the deck to the vertical position enables **easy access to the underside** of the mower deck, so that maintenance such as blade changing and cleaning are made easy. No manual lifting required.

The machine is able to cut and collect grass, along with leaves, paper litter, tins, plastic bottles etc. at a rate of 10,000 to 20,000 sq m/hour with perfect cutting and collecting quality.





Anti-dust filter



Collection turbine



INTEGRATED COLLECTION SYSTEM

The machine features an integrated collection system: the suction turbine and the collection hose are housed inside the traction unit, with many advantages:

- / No bulky external collection hoses, keeping the **machine compactness**. The mower is **easy to manoeuvre** and can be used in tight spaces and thus increase productivity. With no outer hose obstructions the machine is free to work on both sides to further benefit productivity
- / Compared to competitors with outer collection hoses, this machine is more **stable and balanced**, having a better-placed centre of gravity
- / **Collection is more effective** because the cut grass has to travel a shorter distance, hence no friction losses. In this way no cutting waste is left on the lawn and this also prevents clogging the turbine and collecting duct

COLLECTING SYSTEM	STAGE V				STAGE IIIA (Extra UE)							
	TURBO 1	TURBO 1W	TURBO 2	TURBO 4	TURBO 2	TURBO 4	TURBO 2T	TURBO 4T	TURBO 2T CRUISER	TURBO 4T CRUISER	TURBO 4 FIFTY	
Type	Built-in turbine-assisted collection - Turbine fan with 6 easily replaceable curved rotor blades											
Grasscatcher	High impact resistant polyethylene, with anti-clogging audible buzzer warning of full load - Motorised spreader for full packed load - Removable filtering screen for maintenance											
Grasscatcher capacity	1100 L				1300 L				1400 L			
High-lift dump												
Maximum emptying height	210 cm				220 cm				230 cm			
Overhang at maximum height	30 cm				35 cm				30 cm			



WHEELS

For TURBO1 model, improved also the **rear wheel size**, moved from 16" to 18" for greater grip on the ground and greater thrust.

WHEELS	STAGE IIIA (Extra UE)							STAGE V				
	TURBO 2	TURBO 4	TURBO 2T	TURBO 4T	TURBO 2T CRUISER	TURBO 4T CRUISER	TURBO 4 FIFTY	TURBO 1	TURBO 1W	TURBO 2	TURBO 4	
Front wheels size	24x12-12							23x10.50-12		24x12-12		
Rear wheels size	20x10-8							18x8.5-8		20x10-8		

GRASSCATCHER

The large grasscatcher is made from sturdy impact-resistant material and is fitted with **a filter, deflector and warning buzzer** to indicate when the hopper is full. The filter is easily removable for cleaning. **The buzzer** advises the operator to disengage the PTO when the hopper is full, to prevent clogging the collecting duct. The **motorised swivel spreader** compacts grass and fills the hopper evenly by making the most of its capacity.

An **efficient and strong hydraulic high-lift dump** allows the operator to easily and rapidly discharge the cut grass directly into a truck or a trailer.

An **exclusive filter** minimizes the exit of dust and other material from the collector. It is self cleaning with a hydraulic motor, it operates at each collector dumping, it is easy to wash at the end of the job.



DRIVER'S POSITION

Since this is a highly professional machine, intended for extended use during day time, particular attention has been paid to the **operator's seat and control ergonomics** to give the driver maximum comfort and safety. The engine **throttle controls** and the blade and hydraulic devices (deck lift, collector emptying and lifting) engagement controls are all located near the operator's right hand and are all easily accessible. **Warning lights and level gauges** are located on the steering column. **The tilt adjustable steering arm** always allows the correct drive position to be achieved by the operator and it is extremely comfortable. Access to the seat is unhindered as there are no obstacles between the steering wheel, seat and foot-platform. The **foot-platform** is mounted on isomounts and is fully adjustable to the vertical position allowing the mower deck to be safely tilted via hydraulic power to vertical. The **seat is adjustable** in various positions for better comfort 3 heights, full slide, adjustable back and armrests plus weight adjustment from 50 to 130 kg. Standard mounted pneumatic seat on the Turbo 4 Fifty. Also available in warmed model at request.



PROTECTION STRUCTURE (ROPS)

It offers a complete driver protection in case of a machine roll over.



Dashboard

Parking brake

Differential lock

Cup holder

Reverse pedal

Forward pedal

Front attachment lift

High-lifting/dumping joystick control

PTO button

Cruise control (speed limiter)

Turn signal switch

Throttle lever

Beacon switch

Hazard light button

Lamps selector

Ignition key

DRIVER'S POSITION	STAGE IIIA (Extra UE)					STAGE V					
MODEL	TURBO 2	TURBO 4	TURBO 2T	TURBO 4T	TURBO 4 FIFTY	TURBO 2T CRUISER	TURBO 4T CRUISER	TURBO 1	TURBO 1W	TURBO 2	TURBO 4
Steering wheel	Steering wheel with knob and tilt adjustable steering console arm										
Seat	Deluxe Grammer seat with lumbar support and headrest - Adjustable armrest and backrest - Seat heating (optional)										
Seat suspension	Parallelogram suspension with 3 adjustable height position and driver's weight adjustment (50 kg to 130 kg) Pneumatic suspension with infinitely variable air-assisted height adjustment (optional but standard on TURBO4 FIFTY)										



SUPER COMFORT HEATED DRIVER SEAT (OPTIONAL)

The comfort of Turbo range increases also thanks to the availability of Grammer seat in heated version.



CANOPY FOR ROPS (OPTIONAL)

It provides sun and rain protection and also protects driver from branches when working under trees.



TURBO 2T / 4T CRUISER

Cab is suspended on **anti-vibration mountings** and, due to the usage of electric and electro-hydraulic controls, there is no rigid mechanical linkage between the cab and the machine. Therefore the driver's seat is completely insulated from the traction unit. The use of special mats provides further insulation. With high capacity **airconditioning** the Turbo Cruiser **cab** ensures excellent ergonomics and comfort in any climatic situation.

- 1** Cab suspended on 4 isomounts, these isolate the driver's seat from the machine chassis and engine
- 2** ONLY 2 meter high
- 3** Receding and rounded ROPS cab shape allows easy operation under trees
- 4** Headlights (high/low beam), turn signals, mirrors and beacon for on- road use
- 5** Wide safety glass surface for maximum visibility and safety
- 6** Easy safe access from both sides. Easily removable doors as well
- 7** Complete and rational easy-to-read controls and gauges on the dashboard
- 8** Easy to reach coolers for hydraulic oil and air conditioning
- 9** Electrically servo-controlled foot pedals allow hours of effortless use
- 10** Plentiful vents for optimal airflow distribution
- 11** Steering column with height and tilt adjustment to fit any operator
- 12** Amplified stereo speakers with connection for an MP3 player
- 13** Engine mounted air conditioning powerful compressor (optional)
- 14** Air conditioning, heating system and 12V electric socket (cigarette lighter receptacle)
- 15** Hydraulically lifting cab, even when engine is not running, for easy access to all parts below



2WD TRANSMISSION (TURBO 1 - TURBO 2)

The front axle consists of a differential assembly that connects two reduction gears in oil baths, which transmit the drive to the wheels. **The transmission system is very efficient** as the hydraulic axial piston motor ensures high performance. In difficult conditions (uneven ground, slopes or poor grip) the **mechanical differential** with 100% lock ensures that all the available axle torque is transmitted to the wheel offering better grip, always ensuring **excellent traction**.

4WD TRANSMISSION (TURBO 1W - TURBO 4)

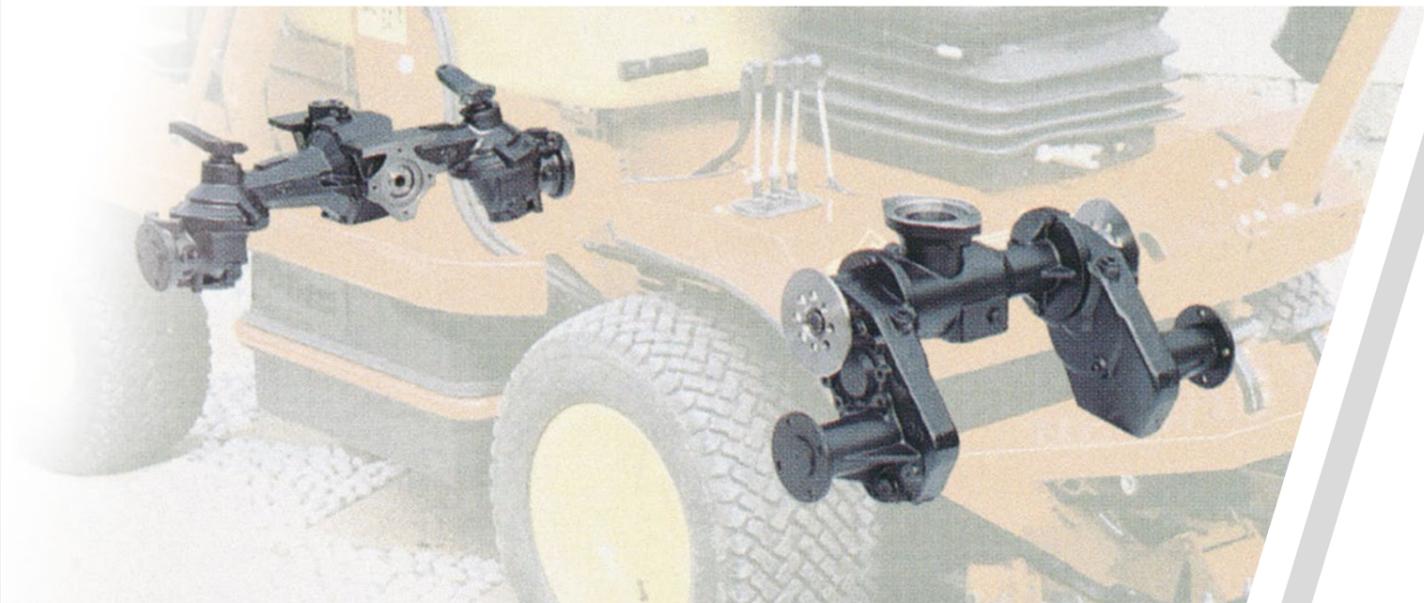
In addition to the front mechanical axle, the **Turbo 4** models are equipped with a **rear mechanical axle** with oil bath gearboxes driven by an additional piston engine. Dual traction on the **Turbo 1W** is obtained with **2 orbital wheel motors** on the rear axle. In both cases the absence of a transmission shaft between the front and rear axles allows the low engine to be housed between the axles so that the machine achieves **an optimal center of gravity** that greatly benefits it. This configuration also allows independent control of the speed of the two axes thanks to the HTC devices to ensure **reduced turning radius, no sliding and optimal drive** in all conditions.



HYDROSTATIC TRANSMISSION	STAGE V			
MODEL	TURBO 1	TURBO 1W	TURBO 2	TURBO 4
Driving wheels	2WD	Permanent 4WD	2WD	Permanent 4WD
Transmission type	Variable displacement axial piston pump			
	Axial piston motor on front gear drive axle			
		Orbital motors on rear wheels		Front axle piston motor
Max. speed	13 km/h		15 km/h	10-18 km/h (2 speeds)
Cruise control (speed limiter)	•	•	•	•
Traction control	HTC™ System			HTC-VD™ System
	Mechanical differential lock on front axle			

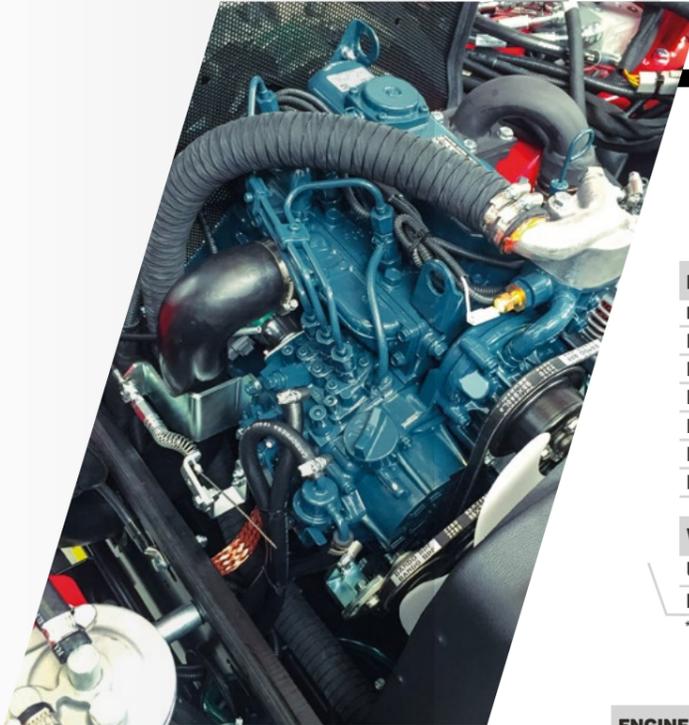
HYDROSTATIC TRANSMISSION	STAGE IIIA (Extra UE)						
MODEL	TURBO 2	TURBO 2T	TURBO 4	TURBO 4 T	TURBO 2T CRUISER	TURBO 4T CRUISER	TURBO 4 FIFTY
Driving wheels	2WD		Permanent 4WD		2WD		Permanent 4WD
Transmission type	Variable displacement axial piston pump						
	Axial piston motors with deep reduction gears on both front and rear gear drive axles (only for 4WD models)						
Max. speed	18 km/h				20 km/h		12-24 km/h (2 speeds)
Cruise control (speed limiter)				•			•
Traction control			HTC-VD™ System			HTC™ System	HTC-VD™ System
	Mechanical differential lock on front axle						

HYDROSTATIC TRANSMISSION	STAGE V	STAGE IIIA (Extra UE)
MODEL	ALL MODELS	
Forward - reverse motion	2 pedals (forward foot pedal + reverse foot pedal)	
	Dynamic Engine Control (DEC™), except for Cruiser	
Brakes	Hydrostatic service brake (neutral position). Disc parking brake on front axle	
Steering system	Power steering wheel, reduced-radius steering on rear wheels	
Power Take-Off Type/Engagement	Mechanical, with PTO shaft / Electro-hydraulic engagement by PTO button	



ENGINES AND STAGE V ADVENT

With the coming of **new STAGE V normativites**, Gianni Ferrari, for UE Countries, increase the offer range with new models TURBO1, 2 and 4WD, TURBO2 e TURBO4 with Kubota 1300-1500 engines, 26 Hp until 2750 rpm. In particular, on Turbo 1 e 1W models, elaborate and careful studies on the mechanical and hydraulic transmission have led to **improve its traction by 15-20%**. Kubota D1305 Diesel engine, 3 cyl., 26 Hp-2750 rpm ensures an exceptional torque of 80Nm @ 1700 RPM and a significant lowering of the noise.



TECHNICAL DATA

ENGINE	STAGE V			
MODEL	TURBO 1	TURBO 1W	TURBO 2	TURBO 4
Fuel	Diesel			
Model	Kubota D1305		Kubota V1505	
Power / Cylinder capacity	26 PS / 1261 cc		26 PS / 1498 cc	
N° Cylinder / Cooling	3 / Liquid		4 / Liquid	
Fittings	Pressure lubrication system with gear pump - Fuel filter with prefilter - Cyclone-type air filter with self cleaning prefilter			
Fuel tank capacity	40 L			

WEIGHT AND DIMENSIONS (machine, elevator and grasscatcher)

Unloaded weight	810 kg	860 kg	860 kg	920 kg
Length / Width / Height*	250 x 124 x 185 [199] cm		280 x 125 x 186 [200] cm	

*with ROPS down [up]

ENGINE	STAGE IIIA (Extra UE)						
MODEL	TURBO 2	TURBO 4	TURBO 2T	TURBO 4T	TURBO 2T CRUISER	TURBO 4T CRUISER	TURBO 4 FIFTY
Fuel	Diesel						
Model	Kubota V1505		Kubota V1505-T			Kubota V2403-M	
Power / Cylinder capacity	36 PS / 1498 cc		44 PS / 1498 cc			50 PS / 2434 cc	
N° Cylinder / Cooling	4 / Liquid					4 / Liquid with self-cleaning radiator	
Fittings	Pressure lubrication system with gear pump - Fuel filter with prefilter - Cyclone-type air filter with self cleaning prefilter						
Fuel tank capacity	40 L						
Eco-Drive™ mode	•						

WEIGHT AND DIMENSIONS (machine, elevator and grasscatcher)

Unloaded weight	860 kg	920 kg	860 kg	920 kg	1300 kg	1120 kg
Length / Width / Height*	280x125x186 [200] cm				300x125x202 cm	285x125x186 [200] cm

*with ROPS down [up]



ELECTRICAL SYSTEM

MODEL	ALL MODELS
Battery	12 V / 70 Ah – battery isolator master switch as standard (12V / 100 Ah on TURBO4 FIFTY)
Safety sensors	EEC European Standard / ISO
Standard equipment	ECU for diagnostic on safety systems and fault sensing - Hour counter - Rev counter - Fuel level - Coolant temperature gauge - Road legal light kit with rotating beacon - Hydraulic front linkage with 2 arms

EQUIPMENTS

"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 Inline™	130 Inline™	165 Inline™	190 Inline™ Dual Cut™
Features	3 discs with articulated blades	4 discs with articulated blades	
Cutting width	130 cm	165 cm	185 cm
Dimensions (Lenght/width/height)	103/135/30 cm	105/165/30 cm	110/195/34 cm
Adjustable cutting height with lever	From 2 to 8 cm		
Weight	120 Kg	190 kg	230 kg



DUAL CUT™ MULCHING/REAR DISCHARGE DECK

Deck with three triangle-disposed blades and belt drive are the only one on the market to feature maintenance-free blades with tapered bearings and oil batch lubrication for maximum durability. Can be positioned vertically.

160 Dual Cut™ Deck - 3 blades

Cutting width	160 cm
Dimensions (Lenght/width/height)	115/162/40 cm
Adjustable cutting height with lever	From 3 to 9 cm
Weight	200 kg



SIDE DISCHARGE/MULCHING DECK

Deck with exceptional performances, strong and safe even in hard working conditions and excellent on high quality grass. Cutting system 2 counter rotating discs with shock absorbing swing back blades.

Deck 130 - 2 Discs with articulated blades

Cutting width	130 cm
Dimensions (Lenght/width/height)	103/152/32 cm
Adjustable cutting height with lever	From 1 to 9 cm
Weight	110 kg



MULCHING/REAR DISCHARGE DECK

Deck with 3 blades with V-belt transmission. Can be positioned vertically.

150 deck - 3 blades

Cutting width	150 cm
Dimensions (Lenght/width/height)	105/160/36 cm
Adjustable cutting height with lever	From 3 to 9 cm
Weight	185 kg



COLLECTING MOWER

With a special configuration of the frame of deck, it is the best equipment for leaf and pine needles collection.

EOLO Deck

Cutting width	130 cm
Dimensions (Lenght/width/height)	110/135/30 cm
Weight	120 kg



FLAIL MOWER

With a working width of 120 (for Turbo 1) or 150 cm (for Turbo 2-4) this heavy duty flail mower is ideal for use on fine grass, weeds and dry twigs.

Flail mower TEG 1200

Cutting width	120 cm
Dimensions (Lenght/width/height)	138/150/48 cm
Weight	185 kg



Flail mower TEG 1600

Cutting width	150 cm
Dimensions (Lenght/width/height)	154/177/53 cm
Weight	240 kg



FLAIL MOWER WITH COLLECTION GF3x1 Plus 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.**

GF3x1 Plus 140

Cutting width	135 cm
Standard equipment	Spoon blades and vertical blades kit (28 blades)
Dimensions (Lenght/width/height)	130/157/50 cm
Adjustable cutting height with lever	From 0,5 to 8 cm
Weight	280 kg



GF3x1 Plus 160

Cutting width	155 cm
Standard equipment	Spoon blades and vertical blades kit (50 blades)
Dimensions (Lenght/width/height)	130/180/50 cm
Adjustable cutting height with lever	From 0,5 to 8 cm
Weight	345 kg



SINGLE-STAGE SWEEPER WITH COLLECTION

It is the ideal tool for collecting leaves, waste paper, tin cans and plastic bottles on any kind of surface. It is equipped with 2 hydraulic motors, composite brushes plastic/steel and electrical side-shifting of floating brushes. The vacuum hose (5 meters) can be directly fitted to the sweeper without any tools. An exclusive filter minimizes the exit of dust and other collected material. It is self cleaning with a hydraulic motor after each collector dumping. Easy to wash at the end of the job.

TS 150

Working width	150 cm
Brush diameter	60 cm
Optional	2 water tanks holding 100 litres with 3 spraying nozzles 2 front wheels for use on pebbles or soft terrain.
Dimensions (Lenght/width/height)	117/157/45 cm
Weight	125 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 150

Working width	150 cm
Brush diameter	60 cm
Optional	2 water tanks holding 100 litres with 3 spraying nozzles
Dimensions (Lenght/width/height)	135/150/32 cm
Weight	120 kg



WEEDING BRUSH WITH COLLECTION

Brush for excellent cleaning of sidewalks and edge walls. 2 types of brushes: "Heavy" with 32 ropes and "Light" with 76 tufts.

Collecting weeding brush

Working width	60 cm
Brush diameter	60 cm
Dimensions (Lenght/width/height)	105/125/45 cm
Weight	110 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

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



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

Lenght	500 cm
Diameter	16 cm
Weight	10,5 kg



SNOW BLADE

Hydraulically liftable and adjustable, the snow blade makes the use of Turbo machines productive also in winter.

Snow blade with hydraulic rotation

Working width	175 cm
Dimensions (Lenght/width/height)	131/180/65 cm
Weight	150 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 (Lenght/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.

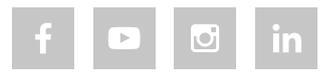
Salt spreader Polaro	110	170
Capacity	110 L	170 L
Spreading width	from 80 to 600 cm	
Dimensions (Lenght/width/height)	60/50/108 cm	63/70/115 cm
Weight	40 kg	65 kg



Gianni Ferrari, constantly searching for the improvement of its models, reserves the right to modify the technical features performances without any notice. For this reason even the pictures in this brochure are not binding. The company is not responsible of any print mistakes.



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- Turbo1*
- Turbo1W*
- Turbo2*
- Turbo4*
- FIFTY*
- CRUISER*

