

TURBO1-1^{WT}-2.4

**Gianni
Ferrari**



TURBO4FIFTY



CRUISER

EN

▶▶▶ The range

▶ **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 grass collector, together with a high dump elevator (dumping at 2.1 mt) will make your job extremely productive. Transfer speed tops at 18 km/h. 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 1

▶ **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 grass collector. 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 and a 1400-liter collector make the machine a top performer.



WATCH THE VIDEOS



TURBO CRUISER



▶ **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 compact. 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.



▶ **Collector**

The large collector 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.



▶ **Engine**

The Gianni Ferrari mounts Kubota 3 or 4 cylinder engines with 1100 or 2400 cc for maximum reliability, power and low noise level in full compliance with the last regulations.

▶ **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.



TURBO 1W

▶ **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.



TURBO1-1^{WT}-2.4



Protection structure (ROPS)

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

▶ Driving 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 power steering has its own hydraulic pump that controls a double action steering ram and also acts as a connection bar to the steering hubs. 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.

➤ **Canopy for ROPS (optional)**

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

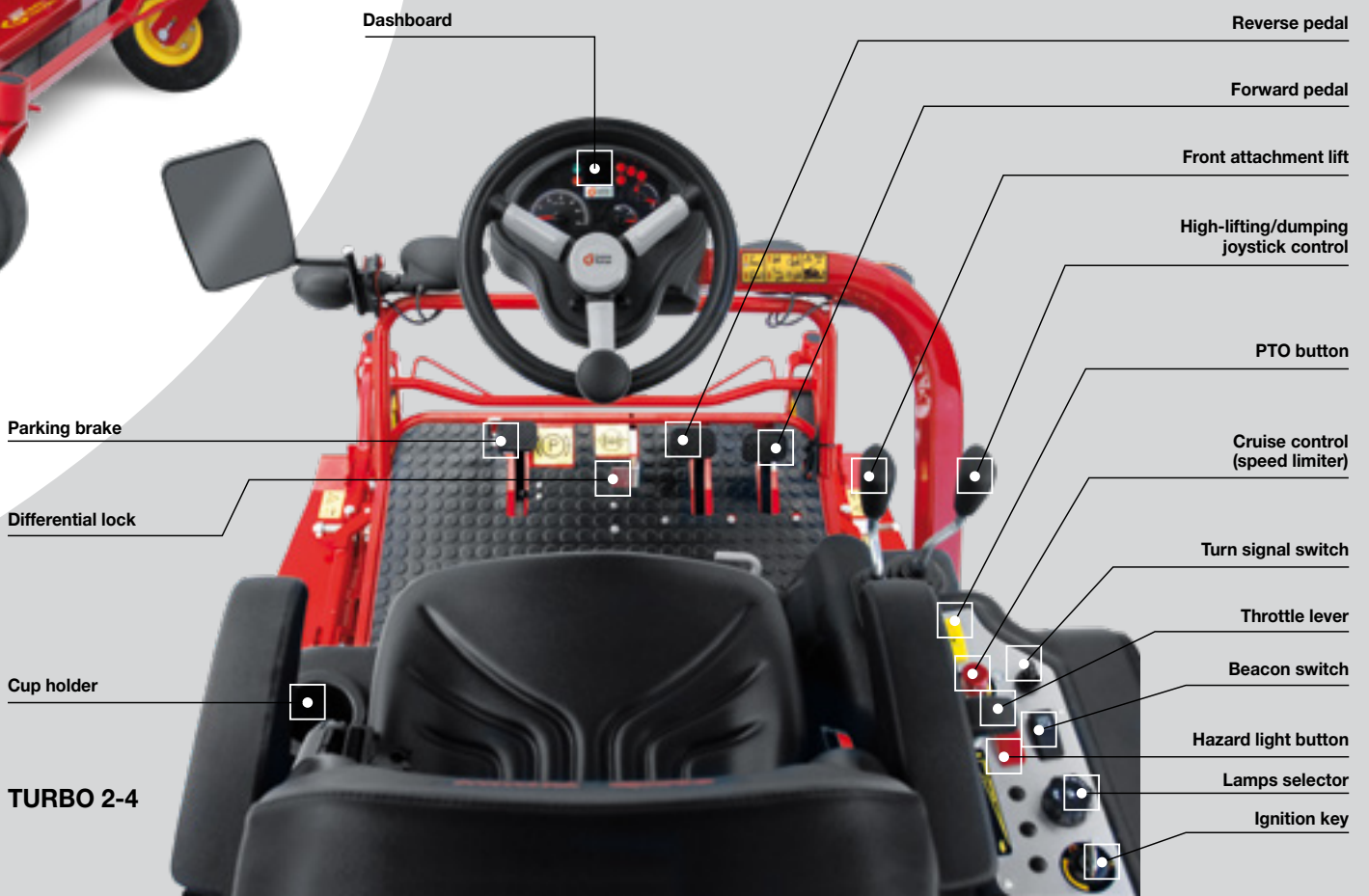


➤ **Dump body**

An aluminum dump body can equip the mower without the collection system, and be very useful for transport of sand, debris, tools or other material.



TURBO 4 FIFTY



TURBO 2-4

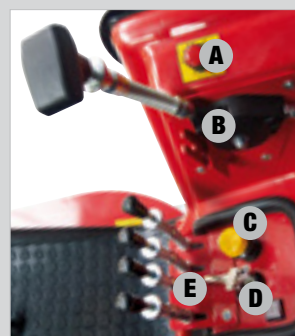
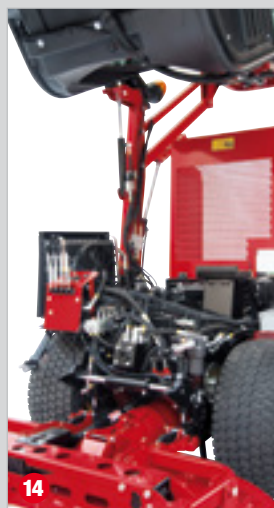
TURBO2-4 CRUISER

► Comfort is not an option !!

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.**

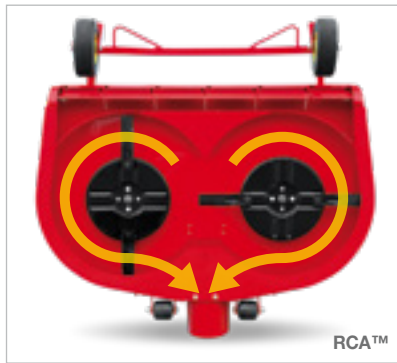


- ❶ Cab suspended on 4 isomounts, these isolate the driver's seat from the machine chassis and engine
- ❷ ONLY 2 meter high. Receding and rounded ROPS cab shape allows easy operation under trees
- ❸ Headlights (high/low beam), turn signals, mirrors and beacon for on- road use
- ❹ Wide safety glass surface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

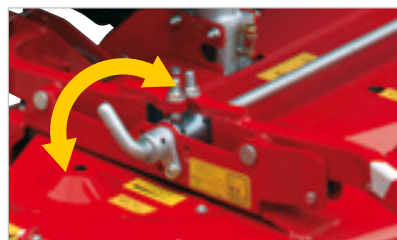


- A** Electronic cruise control (speed limiter) to set the top speed.
- B** Throttle lever with Eco-Drive™ for a more efficient and quiet use.
- C** PTO button.
- D** Ignition key switch.
- E** Hydraulic controls.

Attachments



RCA™



Inline™



Dual-Cut™



Collection decks

The collection deck, available in 130 RCA, 150 RCA and 180 RCA versions, 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. This system offers three main 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 collection hopper.

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.

Mulching and rear discharge decks

The 130, 165 and 190 Inline™ 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. The 160 Dual-Cut™ decks 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 bath lubrication for maximum durability.

Verti-cut aerator/dethatcher

The dethatcher with a working width of 100 cm is suitable for the removal of thatch, moss due to grass residues and for preparing the area for sowing. A debris collection kit is available.

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.



▶ **Sweeper TS150**

Adds more versatility in all seasons to your Turbo 1-2 and 4.

The sweeper TS150 is the ideal tool for collecting leaves, waste paper, tin cans and plastic bottles on any kind of surface.

- Working width 150 cm
- 2 hydraulic motors
- Composite brushes plastic / steel
- Brushes move left to right from driving seat.
- Two tanks holding 100 litres of water with 3 spraying nozzles (optional).

The main features of the unit are:

- Fast and efficient collection even with large amounts of leaves or other debris such as paper, cans or plastic bottles on the ground.
- The sweeping unit side shifts right to left from the driving seat allowing working in both driving directions.
- Water tank (100 lt) with usage duration of 2 to 3 hours for work with dust.
- The vacuum hose can be directly fitted to the sweeper without any tools.
- Floating brushes equipped with free rotating bumpers to allow working close to walls and pavements.
- Optimal result even on grass. Two front wheels are available for use on pebbles or soft terrain.
- The 5 mt vacuum hose can be used also without sweeper and it is ideal to collect large amount of leaves, paper debris, plastic bottles, cans, operating far from the unit and inaccessible places.
- An exclusive filter minimizes the exit of debris, weed & grass seed and dust from the collector. It is self cleaning via a hydraulic motor, it operates at each collector dumping. Easy to wash at the end of the job. Strong and reliable, it allows full capacity to the collector. Operator and bystanders breath clean air and airborne allergens are dramatically reduced.



▶ **Snow blade**

The blade can be hydraulically lifted and put in any position, allowing your machine to be useful and productive throughout the winter.

▶ **Snow thrower**

Two-stage snow thrower, 130 cm, hydraulic rotation and plexiglass screen to protect the operator if used without cab.



TECHNICAL SPECIFICATIONS

Model	Turbo 1	Turbo 1 WT	Turbo 2	Turbo 4 T
▶ Engine				
Fuel	Diesel	Diesel	Diesel	Diesel
Model	Kubota D1105	Kubota D1105-T	Kubota V1505	Kubota V1505-T
Power / Displacement	28 hp / 1123 cc.	33 hp / 1123 cc.	36 hp / 1498 cc.	44 hp / 1498 cc.
No. Cylinders / Cooling	3 / Liquid	3 / Liquid	4 / 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	40 L	40 L	40 L
Eco-Drive™ mode	•	•	•	•
▶ Hydrostatic transmission				
Driving wheels	2WD	Permanent 4WD	2WD	Permanent 4WD
Transmission type	Variable displacement axial piston pump. Axial piston motor on front gear drive axle. Deep reduction gears front axle.	Variable displacement axial piston pump. Axial piston motor on front gear drive axle and orbital motors on rear wheels. Deep reduction gears front axle.	Variable displacement axial piston pump. Axial piston motor on front gear drive axle. Deep reduction gears front axle.	Variable displacement axial piston pump. Axial piston motors on both front and rear gear drive axles with deep reduction gears.
Max forward speed	18 km/h	18 km/h	18 km/h	18 km/h
Cruise control (speed limiter)	–	–	•	•
Traction control	Mechanical differential lock	HTC™ system – mechanical differential lock	Mechanical differential lock	HTC-VD™ system – mechanical differential lock on front gear drive axle
Forward - reverse motion	2 pedals (forward foot pedal + reverse foot pedal) - with Dynamic Engine Control (DEC™)			
Brakes	Hydrostatic service brake (neutral position). Disc parking brake on front axle			
Steering system	Power steering wheel, reduced-radius steering on rear wheels			
▶ Wheels/Tyres				
Front wheels size	23 x 10.50 - 12	23 x 10.50 - 12	24 x 12 - 12	24 x 12 - 12
Rear wheels size	16.5 x 7.5 - 8	16.5 x 7.5 - 8	20 x 10 - 8	20 x 10 - 8
▶ Power Take-Off				
Type / Engagement	Mechanical, with PTO shaft / Electro-hydraulic engagement by PTO button			
Auxiliary hydraulics	2 double-acting quick-release couplings			
▶ Front linkage				
Type	Hydraulic with 2 arms			
▶ Collecting system (optional)				
Type	Built-in turbine-assisted collection. Turbine fan with 6 easily replaceable bolt-on curved rotor blades			
Collector	High impact resistant polyethylene, with anti-clogging audible buzzer warning of full load. Motorised spreader for full packed load. Removable filtering screen for maintenance			
Collector capacity	1100 L	1100 L	1300 L	1300 L
▶ High-lift dump (optional)				
Maximum emptying height	210 cm	210 cm	220 cm	220 cm
Overhang at maximum height	30 cm	30 cm	35 cm	35 cm
▶ Driving position				
Steering wheel	Steering wheel with knob and tilt adjustable steering console arm			
Seat	Delux 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). Optional pneumatic suspension with infinitely variable air-assisted height adjustment.			
▶ Cabin (only Cruiser)				
Cab features	–	–	–	–
▶ Electrical system				
Battery	12 V / 70 Ah – battery isolator master switch as standard			
Safety sensors	EEC European Standard / ISO			
Warning system	Engine oil pressure – fuel reserve – battery (alternator fault) – hydraulic oil filter restriction – hydraulic oil temperature – parking brake – coolant temperature			
Standard equipment	ECU for diagnostic on safety systems and fault sensing – hour meter – tachometer – fuel level – coolant temperature gauge – road legal light kit with rotating beacon			
▶ Weight and measures (tractor unit only, basic version)				
Unloaded weight	810 kg	860 kg	860 kg	920 kg
Length / Width / Height ¹	250 x 124 x 185 [199] cm	250 x 124 x 185 [199] cm	280 x 125 x 186 [200] cm	280 x 125 x 186 [200] cm

¹ with ROPS down [up]

Turbo 2 Cruiser	Turbo 4T Cruiser	Turbo 4 Fifty
Diesel	Diesel	Diesel
Kubota V1505	Kubota V1505-T	Kubota V2403-M
36 hp / 1498 cc.	44 hp / 1498 cc.	50 hp / 2.434 cc.
4 / Liquid	4 / Liquid	4 / Liquid with self-cleaning radiator
Pressure lubrication system with gear pump – fuel filter with prefilter – cyclone-type air filter with self cleaning prefilter		
40 L	40 L	40 L
•	•	•
2WD	Permanent 4WD	Permanent 4WD
Variable displacement axial piston pump. Axial piston motor on front gear drive axle. Deep reduction gears front axle.	Variable displacement axial piston pump. Axial piston motors with deep reduction gears on both front and rear gear drive axles.	
20 km/h	20 km/h	12-24 km/h (2 speeds)
•	•	–
Mechanical differential lock	HTC™ system – mechanical differential lock on front gear drive axle	HTC-VD™ system – mechanical differential lock on front gear drive axle
2 pedals (forward foot pedal + reverse foot pedal) - with Dynamic Engine Control (DEC™)		
Hydrostatic service brake (neutral position). Disc parking brake on front axle		
Power steering wheel, reduced-radius steering on rear wheels		
24 x 12 - 12	24 x 12 - 12	24 x 12 - 12
20 x 10 - 12	20 x 10 - 12	20 x 10 - 12
Mechanical, with PTO shaft / Electro-hydraulic engagement by PTO button		
2+2 double-acting quick-release couplings		2 double-acting quick-release couplings
Hydraulic with 2 arms		
Built-in turbine-assisted collection. Turbine fan with 6 easily replaceable bolt-on curved rotor blades.		Built-in turbine-assisted collection. Turbine fan with 6 curved blades. Easily replaceable rotor. Turbine fan can be disengaged independently from the PTO.
High impact resistant polyethylene, with anti-clogging audible buzzer warning of full load. Motorised spreader for full packed load. Removable filtering screen for maintenance		
1300 L	1300 L	1400 L
220 cm	220 cm	230 cm
35 cm	35 cm	30 cm
Steering wheel with knob on height and tilt adjustable steering column		Steering wheel with knob and tilt adjustable steering console arm
Delux Grammer seat with lumbar support and headrest. Adjustable armrest and backrest. Seat heating (optional)		
Parallelogram suspension with 3 adjustable height position and driver's weight adjustment (50 kg to 130 kg) Optional pneumatic suspension with infinitely variable air-assisted height adjustment		Pneumatic suspension with infinitely variable air-assisted height adjustment
Ventilation and heating system – air conditioning – on-road use equipment – front wiper – courtesy light – 12 V socket (cigarette lighter receptacle) – amplified stereo speakers with connection for an MP3 player		–
12 V / 70 Ah – battery isolator master switch EEC European Standard / ISO		12 V / 100 Ah – battery isolator master switch EEC European Standard / ISO
Engine oil pressure – fuel reserve – battery (alternator fault) – low battery – hydraulic oil filter restriction – hydraulic oil temperature – parking brake – coolant temperature		Engine oil pressure – fuel reserve – battery (alternator fault) – hydraulic oil filter restriction – hydraulic oil temperature – parking brake – coolant temperature – hydraulic oil level alarm
ECU for diagnostic on safety systems and fault sensing – hour meter – tachometer – fuel level – coolant temperature gauge – road legal light kit with rotating beacon		
1.300 kg	1.300 kg	1.120 kg
300 x 125 x 202 cm	300 x 125 x 202 cm	285 x 125 x 186 [200] cm

The availability of models, versions and trim may vary depending on the country.

ATTACHMENTS

▶ Collection deck	130 RCA™	150 RCA™	180 RCA™ (•)
Cutting width	130 cm	150 cm	170 cm
System	2 counter rotating discs with shock absorbing swing back blades. Power tilt to vertical position		
Transmission	With mechanical gearboxes		
Cutting height	Adjustable with single lever from 2 to 8 cm		
▶ Rear dumping / mulching mower	130 Inline™	165 Inline™	190 Inline™ Dual-Cut™ (•)
Cutting width	130 cm	165 cm	185 cm
System	Discs with shock absorbing swing back blades. Power tilt to vertical position		
Transmission	With mechanical gearboxes		
Cutting height	Adjustable with single lever from 2 to 8 cm		
▶ Rear dumping / mulching mower	160 Dual-Cut™		
Cutting width	155 cm		
System	3 blades. Power tilt to vertical position		
Transmission	With V-belt		
Cutting height	Adjustable with single lever from 3 to 9 cm		
▶ Rear dumping / mulching mower			
Cutting width	150 cm		
System	3 blades. Power tilt to vertical position		
Transmission	With V-belt		
Cutting height	Adjustable with single lever from 3 to 9 cm		
▶ Flail mower			
Cutting width	120 cm - 150 cm (•)		
▶ Aerator/dethatcher			
Cutting width	100 cm		
▶ Leaf vacuum			
Description	5 m long polymer hose with stainless steel end nozzle		
▶ Single-stage sweeper with collector	TS 150		
Description	Operating width 150, 2 hydraulic engines. 2 water tanks holding 100 litres with 3 spraying nozzles. Electrical side-shifting		
▶ Two-stage collection sweeper			
Description	Operating width 150, 2 hydraulic engines. 2 water tanks holding 100 litres with 3 spraying nozzles.		
▶ Rotary broom			
Description	Work width 150 cm. Roll diameter 50 cm. Hydraulic angling ± 30°		
▶ Weed brush			
Description	Diameter 60 cm. Lateral electric translation. Adjustable vacuum nozzle		
▶ Snow blade			
Cutting width	175 cm with ± 30° hydraulic angling		
▶ Snow thrower			
Cutting width	130 cm (52") with hydraulic ejection pipe rotation		
▶ Spreader			
Capacity	110 L - 170 L		
Spreading width	from 0,8 to 6 m		

(•) Not for Turbo 1 - 1W



GTM - GSM 15,5-16 hp



GTR 16-20 hp



GTS 22-23 hp



GT 28 hp



TURBO Z 22-40 hp



TURBOGRASS 22-23 hp



PG - SR 22-28 hp



TURBO 1-1W-2-4 28-50 hp



TURBOLOADER 22-44 hp



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