

# TURBO



Gianni  
Ferrari





## ▶ Excellent handling and efficiency

Turbo Z is a ZTR (Zero Turning Radius) machine with two independent hydrostatic transmissions on the drive wheels which allow the machine to turn around on itself with a zero turning circle, giving maximum agility.

The low and compact design allows the machine to be very nimble between trees, flowerbeds and bushes, in small gardens and on narrow pathways.

The manoeuvrability of the Turbo Z drastically reduces manoeuvring and the need for manual trimming. This, together with the high speed of the machine (up to 13 km/h), guarantees high hourly productivity.

The dual fuel tanks, with a capacity of over 40 litres, allow for longer work periods (up to 10 hours) without refueling.

The strong 3-cylinder diesel engine provides high efficiency, superior performance whilst reducing running costs.



Turbo Z 223



Turbo Z 322 D

## Complete accessibility

All regular inspection points can be reached easily. Routine maintenance and grease points are reduced to a minimum.



### ▶ **A comfortable drive**

The driving system with 3 levers (2 steering levers and 1 speed control lever) provides an effortless and precise control by the operator. The dashboard on the right fender provides information at a glance. The Turbo Z is fitted, as standard, with a comfortable contour-moulded seat which is lengthwise adjustable. On request, a super comfortable Grammer seat is available with lumbar support and headrest, adjustable armrests and suspension. A heated version is also available as option.



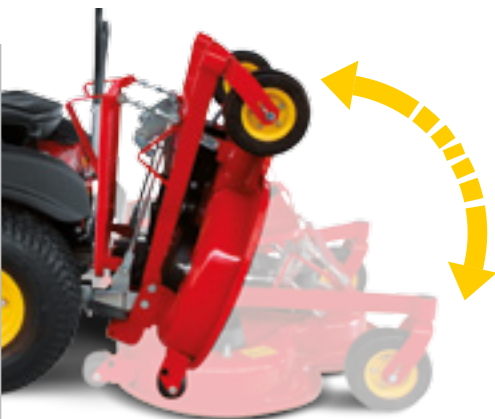
### **FRONT CUT**

- **Better cutting quality as grass is not compacted before being cut**
- **Better visibility and comfort for the operator**
- **Better manoeuvrability and cut in areas that cannot be reached by mid-mounted decks**
- **Better terrain following and superior finish, something that mid-mounted decks cannot achieve**
- **Easier deck maintenance, tilts to vertical for easy service and debris removal.**

### ▶ **Mulching / Rear Discharge deck**

Turbo Z mulching / rear discharge decks are floating so as to adapt naturally to the undulations in the ground for a more accurate cut. The deck carrier frame is fitted with puncture proof, semi pneumatic tyres. The infinitely-variable cutting height adjustment is carried out easily from the operator seat by pressing an electric control button. The same control is used, without any effort from the operator, to get the deck in vertical position for easy cleaning and maintenance or to reduce the machine dimensions for transportation or garaging.

- The mower deck with cutting width of 112 cm, has a cutting chamber very deep, made from a single pressed steel sheet, without add-ons. This means the underside is completely smooth, without sharp corners, for optimum air flow. Conversion mulching / rear discharge is rapid and does not require tools thanks to a special baffle system.
- The Dual-Cut™ 132 cm mower is a heavy-duty fabricated deck with reinforced leading edge that can be replaced after wear. The mower is fitted with an easy-to-use quick conversion system. Just operate the handy lever to change in an instant the type of cut, mulching or rear discharge. The anti-shock release device protects the system against bumping.



# *Dual-Cut™*



**MULCHING**



**REAR DISCHARGE**



## ▶ Power take-off and hydraulic lift

The PTO is engaged by pressing a pushbutton activating a powerful electromagnetic clutch. The clutch is adjustable to maintain efficiency over time. The clutch safety brake for stopping the PTO is integrated in the system.

The power transmission from the engine to the front attachment is provided by a PTO shaft with higher efficiency and reliability than a conventional belt transmission.

The diesel version is also fitted with a convenient front hydraulic lift device enabling the machine to mount kerbs and other obstacles, simply by pressing a pushbutton.

## ▶ Wheels



Bar tread, low-pressure traction tyres (optional) guarantee maximum grip even in the toughest situations.



Rear twin-wheel for light pressure over lawns and great swiftness.



Oscillating rear axle to make it easier to load and unload the machine from a van or a trailer with just two ramps. Option.



## ▶ Flail mower

It is suitable both for cutting fine grass that for the clearing of rustic areas and brushwood. Available with working widths of 110 or 135 cm (only for diesel version).



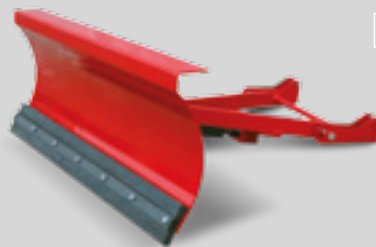
## ▶ Side discharge deck

With a working width of 150 cm, this is a highly productive deck, ideal for mowing large open areas. Available only for diesel units.



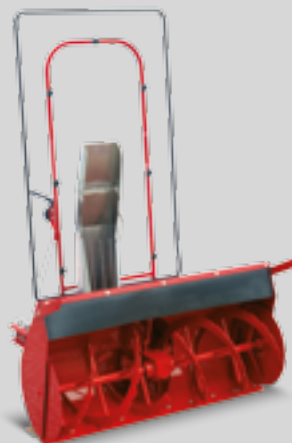
## ▶ Aerator / dethatcher

Covers large areas in a short time. It is suitable for thatch removal and for preparing the area for overseeding.



## ▶ Snow blade

The 130 cm snow blade it allows the Turbo Z to be useful and productive throughout the winter.



## ▶ Snow thrower

The two-stage snow thrower has a working width of 110 cm. It can be fitted with a plexiglass screen to protect the operator (optional).



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## TECHNICAL FEATURES

Model	Turbo Z 223	Turbo Z 322 D
<b>Engine</b>		
Fuel	Petrol	Diesel
Model	Vanguard V-Twin 386400	Kubota D902
Power / Displacement	23 hp / 627 cc.	22 hp / 898 cc.
No. Cylinders / Cooling	2 / Air	3 / Liquid
Fittings	Pressure lubrication system with gear pump – cyclone-type air filter with self cleaning prefilter – fuel filter (diesel)	
Fuel tank capacity	43 L	43 L
<b>Hydrostatic transmission</b>		
Driving wheels	2WD	2WD
Transmission type	Dual integrated transaxles with external oil filter	
Max forward speed	13 km/h	13 km/h
Driving system	2 control levers for steering and forward/reverse motion + 1 lever for speed control and neutral position. Zero Turning Radius (ZTR)	
Brakes	Hydrostatic service brake (neutral position). Mechanical parking brake inside the transaxles	
<b>Wheels/Tyres</b>		
Front Turf tyres	20 x 10.00 - 8	20 x 10.00 - 8
Front bar tread tyres (optional)	21 x 11.00 - 8	21 x 11.00 - 8
Rear twin-wheel	13 x 5.00 - 6	13 x 5.00 - 6
Oscillating rear axle (optional)	13 x 5.00 - 6	13 x 5.00 - 6
<b>Power Take-Off</b>		
Type / Engagement	Mechanical, with PTO shaft / Electric engagement by PTO button (electromagnetic clutch)	
<b>Front lift</b>		
Type	–	Hydraulic with 2 arms
<b>Electrical system</b>		
Battery	12 V / 50 Ah – battery isolator master switch as standard	12 V / 60 Ah – battery isolator master switch as standard
Safety sensors	EEC European Standard / ISO	
Standard equipment	Hour meter	
Warning system	Engine oil pressure – parking brake	Engine oil pressure – coolant temperature – battery (alternator fault) – glowplug – parking brake
<b>Weight and measures (tractor unit only, basic version)</b>		
Unloaded weight	325 kg	440 kg
Length / Width / Height	160 x 102 x 105 cm	170 x 112 x 119* cm

\* with ROPS folded down

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

## ATTACHMENTS

<b>Mulching / rear discharge deck</b>			
Cutting width / No. Blades	112 cm (44") / 3 blades	112 cm (44") / 3 blades	
Cutting height adjustment	Electric, from the operator seat. Infinitely-variable from 1 to 9 cm	Hydraulic, from the operator seat. Infinitely-variable from 1 to 9 cm	
Vertical position	Electric	Hydraulic	
Weight	75 kg	75 kg	
<b>Dual-Cut™ mulching / rear discharge deck</b>			
Cutting width / No. Blades	132 cm (52") / 3 blades	132 cm (52") / 3 blades	
Cutting height adjustment	Electric, from the operator seat. Infinitely-variable from 1 to 9 cm	Hydraulic, from the operator seat. Infinitely-variable from 1 to 9 cm	
Vertical position	Electric	Hydraulic	
Weight	134 kg	134 kg	
<b>Side discharge deck</b>			
Cutting width / No. Blades	–	150 cm (59") / 3 blades	
Cutting height adjustment	–	Quick adjustment with SA™ lever, 2 cm to 8 cm	
Vertical position	–	Hydraulic	
Weight	–	140 kg	
<b>Flail mower</b>			
Cutting width / Blade reel	110 cm (43") / 48 flails (24 pairs)	110 cm (43") / 48 flails (24 pairs)	135 cm (53") / 56 flails (28 pairs)
Cutting height adjustment	2 cm to 8 cm	2 cm to 8 cm	2 cm to 8 cm
Weight	144 kg	144 kg	158 kg
<b>Aerator / dethatcher</b>			
Working width / Blade reel	100 cm (40") / 28 mobile blades	100 cm (40") / 28 mobile blades	
Weight	90 kg	90 kg	
<b>Snow blade</b>			
Working width / Angling	130 cm (51") / ± 30°, mechanical	130 cm (51") / ± 30°, hydraulic	
Weight	80 kg	80 kg	
<b>Snow thrower</b>			
Type / Working width	Double stage / 110 cm (43")	Double stage / 110 cm (43")	
Weight	140 kg	140 kg	

