

Pöttinger Torro 7010/8010 D Combiliner:

A wagon for 300hp

Up to now Pöttinger's offering of forage wagons comprised the top-end Jumbo for 450hp tractors and the Torro for 250hp machines. Now the company has extended the top end of the range by two models - the Torro 7010 and 8010 which will match 300hp tractors

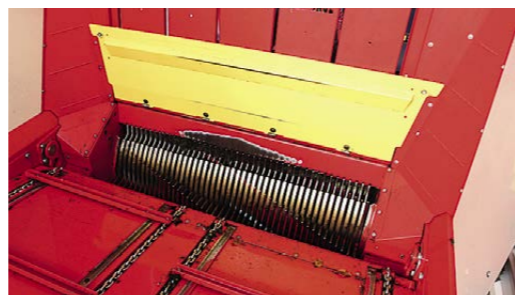
GOOD TO KNOW

- ▶ Pöttinger introduces two new Torro models with volumes of up to 43m³ and with auto caster steering and electronic auto forced steering.
- ▶ The new gearbox driving the discharge beaters transmits up to 200hp which cuts unloading times for grass to less than 1.5 minutes.

At this point we won't recap the function of the 2m pivoting pick-up with a camtrack and a supporting roller running at the back, neither the 'PowerCut' chopping system with 45 knives giving 34mm chop nor the 'Easy Move' knife changing technology. These features and the 'AutoCut' sharpening system are also found on the lower-capacity Torro models. A small but useful change to 'AutoCut' is the grinding head which is now adjustable to any angle depending on the extent of knife wear.

The control panel on the side is a new development from where operators manage eight different functions via the Can-Bus - from the articulated drawbar to the knife selection system - a bonus when attaching/removing the machine and changing knives!

Added to this, the articulated drawbar on the Torro has an angle sensor now which allows operators to preset the position of the drawbar for loading and unloading as well as the degree of suspension during road travel and then retrieve the setting by pressing a button. Unlike the three 'smaller' Torros, the two new models share the same channel-section chassis as the Jumbo. The Torro



The machine boasts a 15cm dropped chain-and-slat floor, two selectable platform heights and a cover for the feed rotor.

7010 has a 7.72m long chain-and-slat floor and the Torro 8010 an 8.40m floor, resulting in DIN volumes of 38.5m³ and 42m³ (40m³ and 43m³ without discharge beaters). Typically Pöttinger, the optional ropes are easy to remove and the chassis allows setting the platform to one of two different

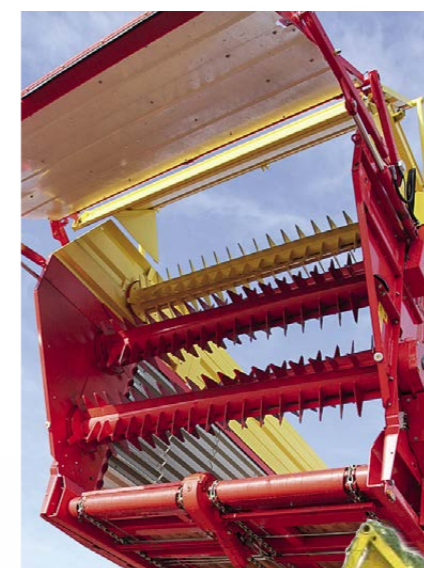


The pto shaft for the discharge beaters runs down the right hand side of the machine and is now overload protected by a 1,700Nm clutch.

The discharge beaters have not changed, but rotor speed increased to 256rpm.

heights to suit different wheel sizes. The wheel size is 22.5" instead of 26.5" now, which has a significant effect on the wagon's power input which drops substantially.

With respect to tractor input, the transmission has a torque sensor now. This complements the two sensors in the head-board and in the dual-function flap at the top. These sensors combine to control the advance of the chains not only relative to the current filling level but also relative to the pushing power required - a very useful feature as we found out in our wet autumn conditions, especially as a delaying feature ensures that the chains won't respond instantly should the pick-up collect a larger lump from the swath. In fact, the chains will



The discharge gearbox can now handle 200hp, which is enough to clear out wet grass in less than 1.5 minutes! Photos: Wilmer

DATA SHEET

Pöttinger Torro 7010 D

Pick-up unit

2m wide, 6 controlled tine rows, pivoting design, support roller at the rear

Rotor

156cm wide, 80cm diameter, 8 tine rows, 10mm tines, 20mm wide scrapers

Header

45 blades, 34mm chop length, optional 'AutoCut' sharpener

Load area

38.5m³ (without discharge beaters) and 41.0m³ to DIN (with discharge beaters)

Chassis and tyres

300 x 100 x 50 x 6mm channel sections, max. 800/45 R 26.5 tyres

Dimensions

10.96m length, 2.55m (chassis) width, 3.73m to 4.00m high (depending on specification)

List price excl. VAT:

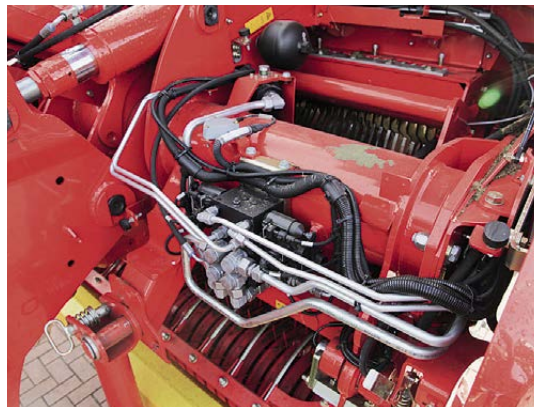
from €122,198

Manufacturer information





New sensors everywhere - the speed and inclination sensors (bottom) control the auto-lock function of the caster steer axle. The torque sensor (far left) forms part of the automatic loading system. The angle sensor (left) controls the articulated drawbar.



The new operator control unit controls various functions through the Can-Bus, a boon for attachment/removal and for grinding and swapping knives.



only start moving after the torque has exceeded the set limit for some time. This way, the operator can choose between a higher level of compression or gentler handling of the crop.

The discharge beaters were also revamped in that their output increased from a 1,200Nm maximum to a whopping 1,700Nm which is supplied directly from the tractor pto via a drop box. This and a 45% increase in shaft speed to 256rpm translate into an output of as much as 200hp - for driving the discharge rollers alone! So, it was no surprise that the three rotors

at the rear cleared the wagon within less than 1.5 minutes although the test conditions were really tough. Excellent! The design of the beaters, which is aggressive in the first place, was not changed, but the third beater continues to be an option although this is really necessary for producing a uniform mat at those high discharge rates.

This takes us to another option that is available for both new Torro models: Buyers can choose between at tandem and a tridem axle (the lift axle of which is now controlled from the terminal, which eliminates the

need for a separate oil coupler).

Also, the hydraulic suspension system is now available with an optional weighing system. The system doesn't even require Isobus and is enabled from the PowerControl terminal now, indicating the weight dynamically as the machine is loading.

Furthermore, an auto-lock feature is available for the casting axle which locks the steering system relative to the current direction of travel, forward speed and even slope gradient. And those who opt for an electronic forced steering system will get a separate control unit for such features like crab steering (tridem axle).

Further details in a nutshell:

- The main gearbox on the Torro 7010/8010 is protected from overload with a 2,300Nm clutch (2,100Nm on the smaller machines) which equates to 240kW/326hp at 1,000 pto rpm.
- The L version without discharge beaters now has a metal rear door rather than a curtain.
- A conveyor belt is available for those who cut fresh forage every day. This is an option on the tridem-axle models from Torro 6510.
- The ropes on the Combiline models with dual-use flap are released easily at the front end.

Last the prices. Prices for the Torro 7010 D Combiline with tandem axle start at €122,200 (all pricing excl. VAT). The full specification including the 'AutoCut' sharpening system, hydraulic tridem axle, weighing system and electronic forced steering commands a price of €168,000 which is not an issue either.

Summary: Pöttinger has added two new top models to its range of forage wagons which close the gap between the Torro and Jumbo. The new models retain the 2m controlled pick-up, the 'PowerCut' chopping system with 45 knives for 34mm chop lengths and the 'Easy Move' knife changing. The 7010 D and 8010 D boast higher volumes of 38.5m³ and 42m³ (if specified with discharge beaters) and all Torro models now have a beefier gearbox for the up to three discharge beaters. These are now driven at a whopping 160kW directly from the tractor pto - enough power to clear even wet grass in less than 1.5 minutes. Excellent.

Hubert Wilmer,
Translation by trans-agrar