

# INNOVATIONS 2012

LION rotary power harrow – 102 series







LION 302

# LION 302.12 / 302 / 402

## New rotary power harrows

### Advantages

#### Heavy duty headstock

- LION 302: Clevis-type lugs Cat. II or III / width 2 with integrated oscillation
- LION 402: Clevis-type lugs Cat. II and III with integrated oscillation and side supports
- Extendable with 3 fixing holes
- 3 settings for top link
- Mountings provided for hydrolift

#### Gear pan

- Great stability – no side support on LION 302
- 1.97 in / 50 mm rotor shaft diameter
- Cartridge sealings guarantees absolute leak-tightness

#### Transmission – interchangeable gear

- Cooling fins for improved heat dissipation
- Inlet gear located as far back as possible
- possible lower angle
- Tractors up to 132/180 kW/hp
- PTO through shaft available

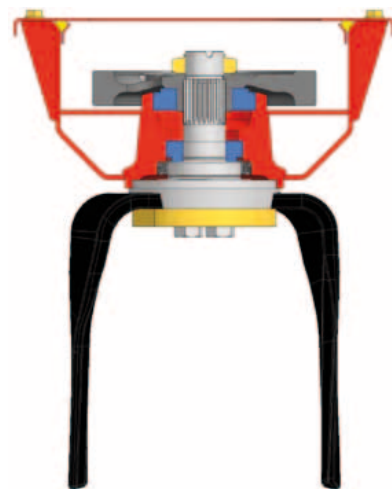
The LION 302.12 with 12 rotors and a working width of 9.84 ft / 3 metres is completely new to the Pöttinger range. 20 percent more tines over the same working width as the 10-rotor harrows results in an even more perfect result with the finest crumbling effect. Especially for potato and vegetable growers, this new model delivers the best possible results, even on heavy clay soils.

### Strength and durability guaranteed

The headstock has wide supports and ensures optimum load distribution. Double-sided mounting linkage lugs with integrated oscillation and three-position adjustment are designed to match future tractor classes and enable optimum equalization of uneven ground between the tractor and power harrow.

In addition the LION has heavy-duty tapered roller bearings for the best strength, durability and smooth operation. The high-strength deep gear trough with integrated reinforcement web provides the gearbox with excellent strength.

The labyrinth seals protect the gears against dust, moisture, soil and contribute to extending the service life of the machine.



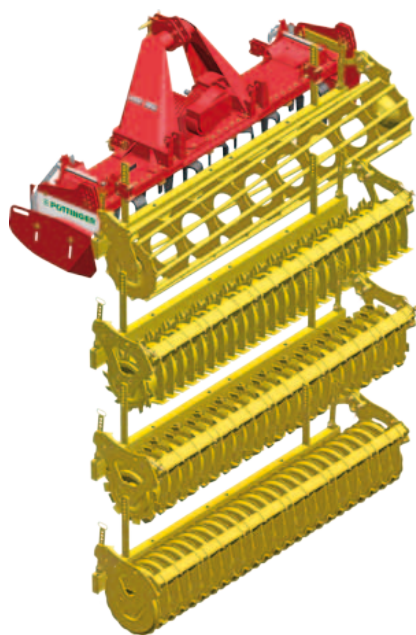


LION 302.12



## Rollers to suit the soil

- Cage Roller: for dry, non-sticky soils, diameter 16.5 in / 420 mm and 21.3 in / 540 mm
- Packer Roller: for all soil types, diameter 16.5 in / 420 mm, 19.7 in / 500 mm and 21.7 in / 550 mm
- Wavy Ring Packer Roller: heavy, clay soils, diameter 20.7 in / 525 mm
- Pack Ring Roller: the perfect roller where there is a lot of harvest residue and stones, diameter 21.7 in / 550 mm



Side deflectors (optionally spring-mounted with a parallel action) ensure a level and tidy finish. These are simply raised during transport to maintain the 9.84 ft / 3.0 metre transport width. They are released by removing a pin; no need to adjust the spring. The position of the side deflectors is easily adjusted using the slotted holes.

Hydrolift the hydraulic mounting system for seed drills featuring length- and height-adjustable lower links and hydraulic top link. Lift limiter – Optional. Two hydraulic cylinders guarantee maximum lifting power up to 5290 lbs / 2400 kg for heavy mounted seed drills.

Track eradicators as an option.



	Working width ft / m	Transport width ft / m	Rotors	Tine length in / mm	Weight lbs / kg	Max. tractor power
LION 302.12	9.84 / 3.0	9.84 / 3.0	12	11.81 / 300	2403 / 1090	132 kW / 180 HP
LION 302	9.84 / 3.0	9.84 / 3.0	10	12.60 / 320	2249 / 1020	132 kW / 180 HP
LION 402	13.12 / 4.0	13.12 / 4.0	14	12.60 / 320	2822 / 1280	132 kW / 180 HP

All information is provided without obligation





# LION 302.12



## The new 12-rotor model

### Advantages

#### Tine mountings

- 0.59 x 11.81 in / 15 x 300 mm tines with mounting plate

#### Wechselradgetriebe

- Standard gear wheel set on LION 302.12 and 1000 rpm – 26 / 39 = 283 rotor revs

#### Levelling plate standard

- Rear levelling plate guided by roller, no continuous adjustment required
- Levelling plate with linear guide – consistent distance from tines over full range – uniform crumbling results
- Height set using pin-in-hole adjustment – easily accessible at each end of plate
- Front levelling plate optional – same design as rear plate

An additional advantage: a fine soil structure is achieved even though the rotors run at 15 percent lower speed than on models with fewer rotors - so lower power requirement is a positive bonus. Thanks to interchangeable gears, the rotor speed can be adjusted to suit any soil conditions and PTO shaft rpm. This new LION model with working width of 9.84 ft / 3.0 metres is suitable for tractors up to 180 hp.

The new LION 302.12 also features proven integrated tine mountings to prevent wrapping of potato foliage or other long harvest residues. The individual tines are easy to handle. The tine thickness of 0.59 in / 15 mm ensures a long service life.

A rapid and reliable solution from Pöttinger available as an option: tines – quick-change Quick Fix.



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