

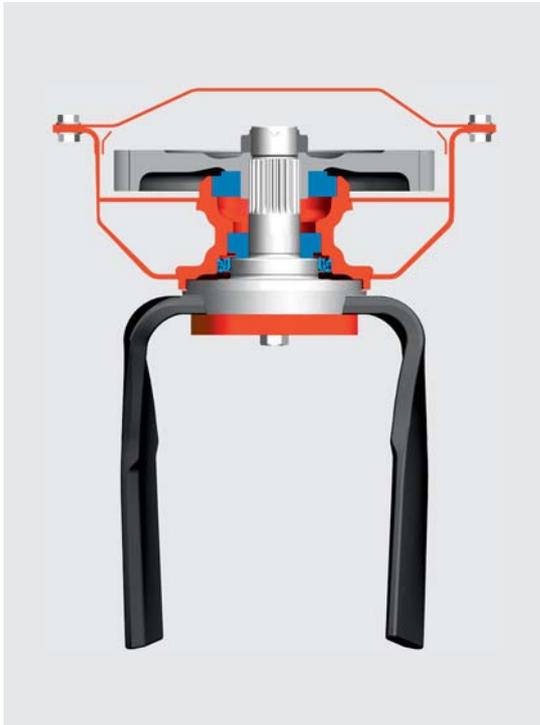
NEW

# LION

PÖTTINGER power harrow series 103 / 103 CLASSIC



# LION Series 103



## Technology at the highest level

### **robust – smooth-running – reliable rotor gear drive**

- The thick-walled gear trough made of fine-grained steel is extremely resistant to twisting. The tapered front edge allows soil to flow past unrestricted without bulldozing.
- Large gears are mounted directly above the bearings on 1.96" / 50 mm diameter rotor shafts.
- Bearing housing welded to the central brace and bottom of trough results in exact spacing between each rotor.
- Robust taper roller bearings in forged, single-piece bearing housings. Bearings and gears run submerged semi liquid grease with labyrinth seals fitted around the rotor shafts.
- The lower bearings are located as close as possible to the tine carrier. The upper and lower bearings are spaced as far apart as possible to minimise stress.
- Tine carriers are integrated into the gear trough. This prevents stones from becoming trapped between the rotor and trough.
- The tines are 0.71" / 18 mm thick and can be reversed to be used on both sides.
- 0.70" / 15 mm thick tines on LION 303.12 models.
- Quick-fix tine replacement system optional.

### **Gearbox**

**Equipped with cooling fins to ensure optimum operating temperature**

#### **LION CLASSIC gearbox up to 140 hp**

LION 253 CLASSIC, LION 303 CLASSIC, LION 303.12 CLASSIC

- PTO input shaft mounted far back, low stress on the PTO shaft.
- Fixed rotor speed.
- Rear PTO shaft is not possible.

#### **LION changeable speed gearbox up to 180 hp / 200 hp**

LION 303, LION 303.12 up to 180 hp,  
LION 353.14, LION 403 up to 200 hp.

- Proven changeable speed gearbox, variable rotor speed.
- PTO input shaft mounted far back, low stress on the PTO shaft.
- Rear PTO shaft available (optional).



## Side boards

### **LION 253 CLASSIC, LION 303 CLASSIC, LION 303.12 CLASSIC**

Side boards can be folded upwards and feature depth adjustment using diagonal slotted holes.

### **LION 303, LION 303.12, LION 403**

The height of the side boards is adjusted using slotted holes. These also can be simply folded upwards during transport. Optionally available: Parallel linkage; allows parallel lifting of boards. Spring protection; uniquely the springs do not need to be disengaged for folding.



## Choice of rollers

### **Cage roller**

Diameter 16.53" / 420 mm, 21.25" / 540 mm.

### **Tooth packer roller**

Diameter: 16.53" / 420 mm, 19.68" / 500 mm and 21.65" / 550 mm.

### **Crumbling packer roller**

Diameter 20.66" / 525 mm.

### **Pack ring roller**

Diameter 21.65" / 550 mm.

### **Prism packer roller**

Diameter 19.68" / 500 mm.

### **Rubber packer roller**

Diameter 23.03" / 585 mm.



## Levelling boards

The rear levelling board is standard and is set automatically with the depth of the rear roller – no readjustment is necessary. Consistent distance from tines over the full working depth thanks to the vertical supports. Initial depth is set using pin-in-hole adjustment – easily accessible at each end of the harrow.

Front levelling board is also available (same design as rear board).

| Power harrow               | Working width<br>ft / m | Rotors | Tines<br>inch / mm      | Tractors up to  | Weight<br>lbs / kg |
|----------------------------|-------------------------|--------|-------------------------|-----------------|--------------------|
| <b>LION 253 CLASSIC</b>    | 8.2 / 2,5               | 8      | 0.70 x 12.59 / 18 x 320 | 103 kW / 140 hp | 1973 / 895         |
| <b>LION 303 CLASSIC</b>    | 9.84 / 3,0              | 10     | 0.70 x 12.59 / 18 x 320 | 103 kW / 140 hp | 2281 / 1035        |
| <b>LION 303.12 CLASSIC</b> | 9.84 / 3,0              | 12     | 0.59 x 11.81 / 15 x 300 | 103 kW / 140 hp | 2226 / 1010        |
| <b>Power harrow</b>        |                         |        |                         |                 |                    |
| <b>LION 303</b>            | 9.84 / 3,0              | 10     | 0.70 x 12.59 / 18 x 320 | 132 kW / 180 hp | 2402 / 1090        |
| <b>LION 303.12</b>         | 9.84 / 3,0              | 12     | 0.59 x 11.81/15 x 300   | 132 kW / 180 hp | 2369 / 1075        |
| <b>LION 353.14</b>         | 11.48 / 3,5             | 14     | 0.59 x 11.81/15 x 300   | 147 kW / 200 PS | 2623 / 1190        |
| <b>LION 403</b>            | 13.12 / 4,0             | 14     | 0.70 x 12.59 / 18 x 320 | 147 kW / 200 hp | 2876 / 1305        |

All data subject to change