

RESPIRO R8 compact



Technical data

	<i>RESPIRO</i> <i>R8 compact</i>	<i>RESPIRO</i> <i>R9 profi</i>
Working width center swath [m(ft)]	6.50 - 8.00 (21.3 - 26.2)	7.50 - 9.00 (24.6 - 29.5)
Swath width [m(ft)]	0.50 - 2.00 (1.7 - 6.5)	0.50 - 2.00 (1.7 - 6.5)
Working width side swath [m(ft)]	6.00 (19.7) + Schwad	7.00 (23) + Schwad
Belt width [mm(in)]	1000 (40")	1000 (40")
Transport length [m(ft)]	5.60 (18.37)	6.40 (21)
Transport width [m(ft)]	2.92 (9.58)	2.96 (9.7)
Transport height [m(ft)]	3.40 (11.15)	3.95 (12.96)
Weight [kg]	4320	6600
Tyres	380/55-17	550/45-22.5
Area performance [ha/h]	3 - 8	4 - 10
PTO [rpm]	540	1000
Hydraulic connections required	2 EW + LS	2 DW + LS
Electric connections required	ISOBUS, 7-polig	ISOBUS, 7-polig
Brake	- / hydr. / DLB	hydr. / DLB

Headstock / connections

- Lower link rocker cat. II
- 90° steering angle for tractors up to 2.8 m tyre outside width
- PTO shaft rack
- Hose rack
- Smaller distance UL to vertical pivot axis than R9
 - Slightly less steering movement in the corners of the field
 - Lower forces on the tractor (transverse thrust)
 - Greater safety during road transport
 - shorter overall length (compact)

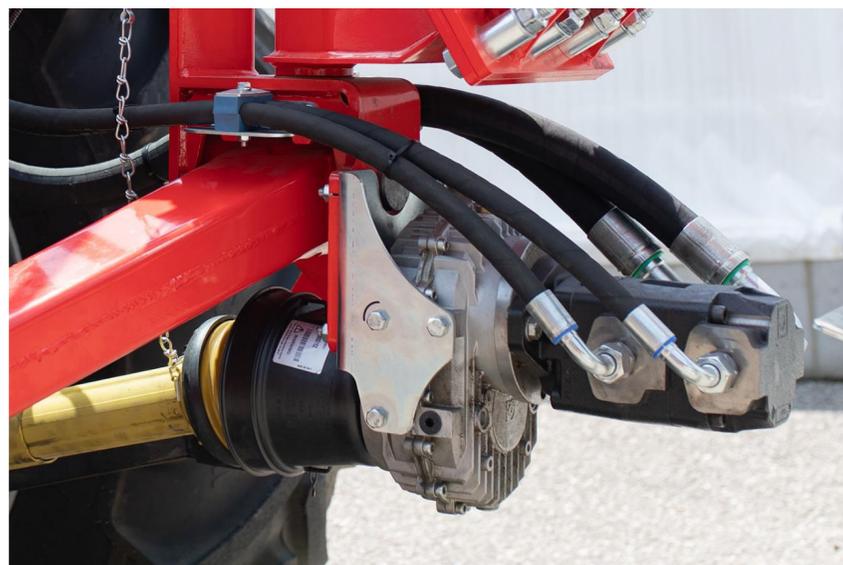
Connections

- LS
- 2x SA
- ISOBUS
- 7-pole
- Air brakes



Transmission / on board hydraulics

- Gear pump with transmission – pick-up speed depending on tractor PTO speed
- 540 / 750 / (1000) rpm
- Belt speed and direction adjustable from the cab via belt valve
- Oil tank in frame with 180 litres
- Oil cooler for low oil temperature – protection of hydraulic components



Pickup

- 380 mm PU diameter - longer blue tines
- 6-row
- Double bearing NEW - hexagonal shaft plasma nitrided to the outside
- Flexible pick-up divided into 3 yokes
- Special scraper at yoke joint - no enlargement of the gap!
- Robalon scraper with spoiler shape - open to the rear - no barrier - improved crop flow - perfect swath shape
- New transition scraper conveyor belt for unimpeded crop cross-flow
- Pick-up side cover with Robalon scraper and opening



Rotor

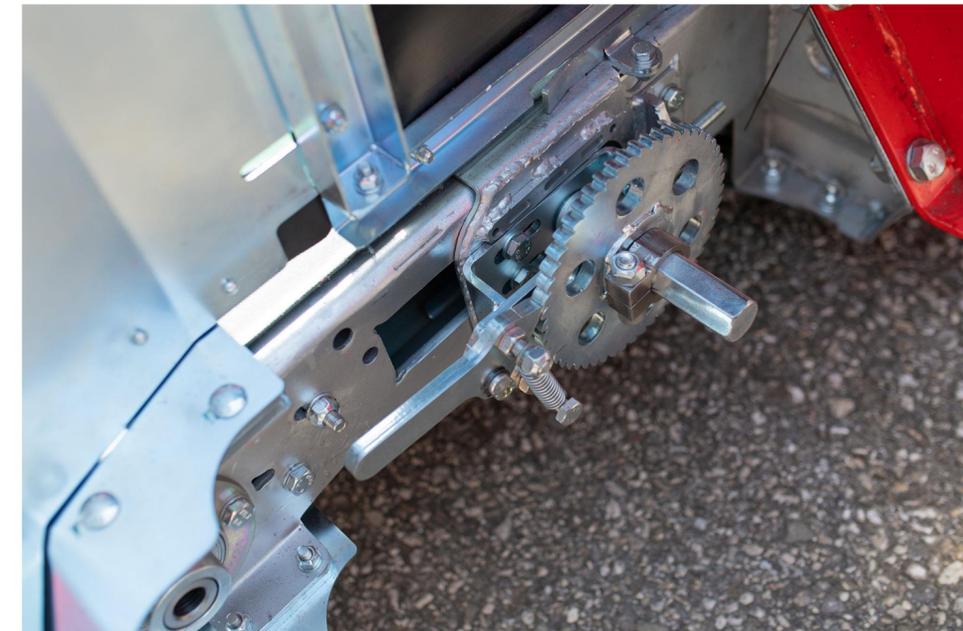
- Closed housing (lighter)
- Optimised scraper shape (new tool from....) - Rotor tines are engaged longer to ensure better forage flow
- Central, middle adjustment of the swath roller
- Robalon intake element
- Rotor arm tube bend - elegant shape, simple
- Rotor height adjustment NEW



Belt substructure

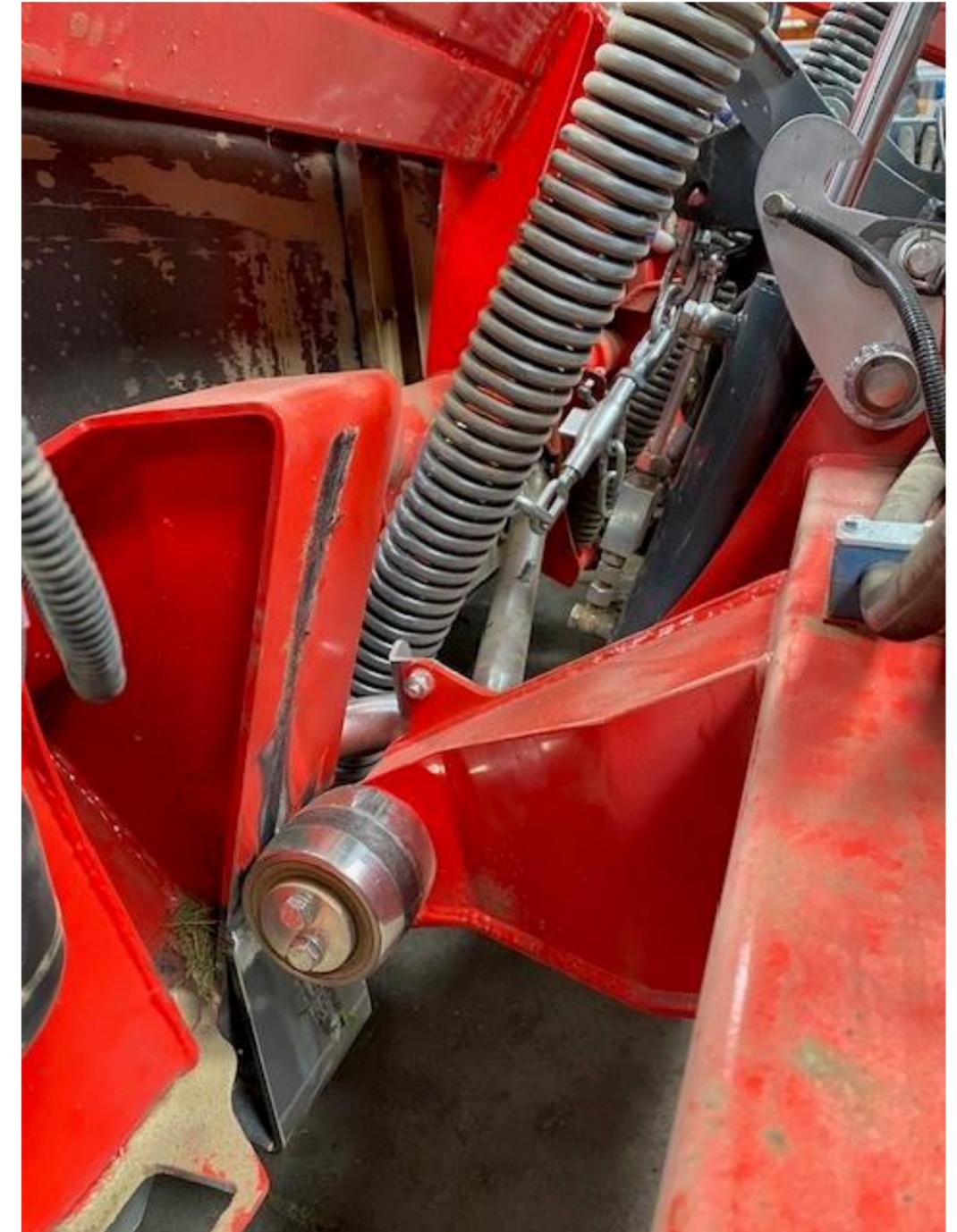
- Rough belt tensioning on the outside of the working unit
- Quick untensioning possible, very easy to handle
- Fine adjustment on both sides only from the rear (easy access)
- New belt seal
- Proven lateral guidance via guide rails
- Original belt continuous
- NEW bearing
- Hydraulic motor sits on shaft and has spring-loaded torque support

- Back with PE1000
- Back outlet curved made of PE1000 - for better glide



Suspension working unit

- roller system with fixed top link - short overall length
- Fixed transverse link holds the unit
- Contour adjustment in longitudinal and transverse direction - rake height remains constant
- Quick-reaction unloading via springs
- Lifting via sa cylinder by means of chains
- Lifting height at headland target 650 mm
- Sensor for automatic belt stop



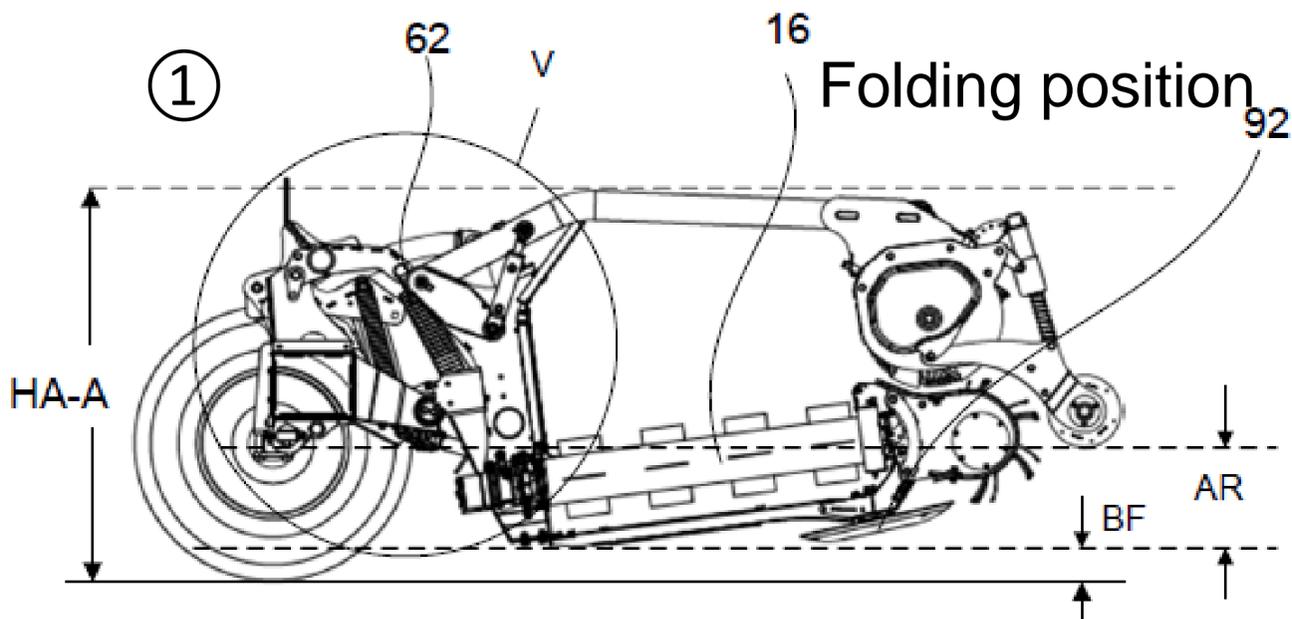
Hydraulic spring tensioner

5 functions:

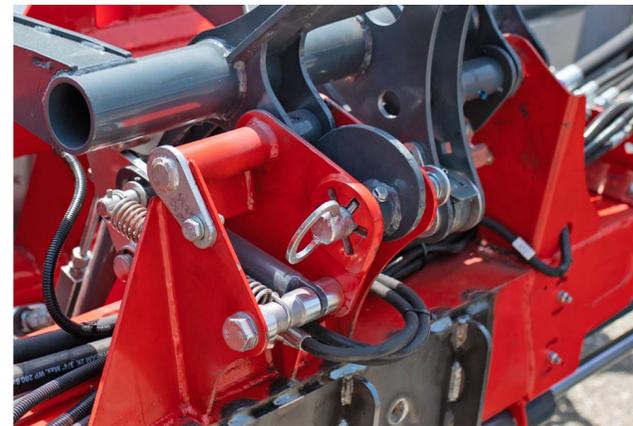
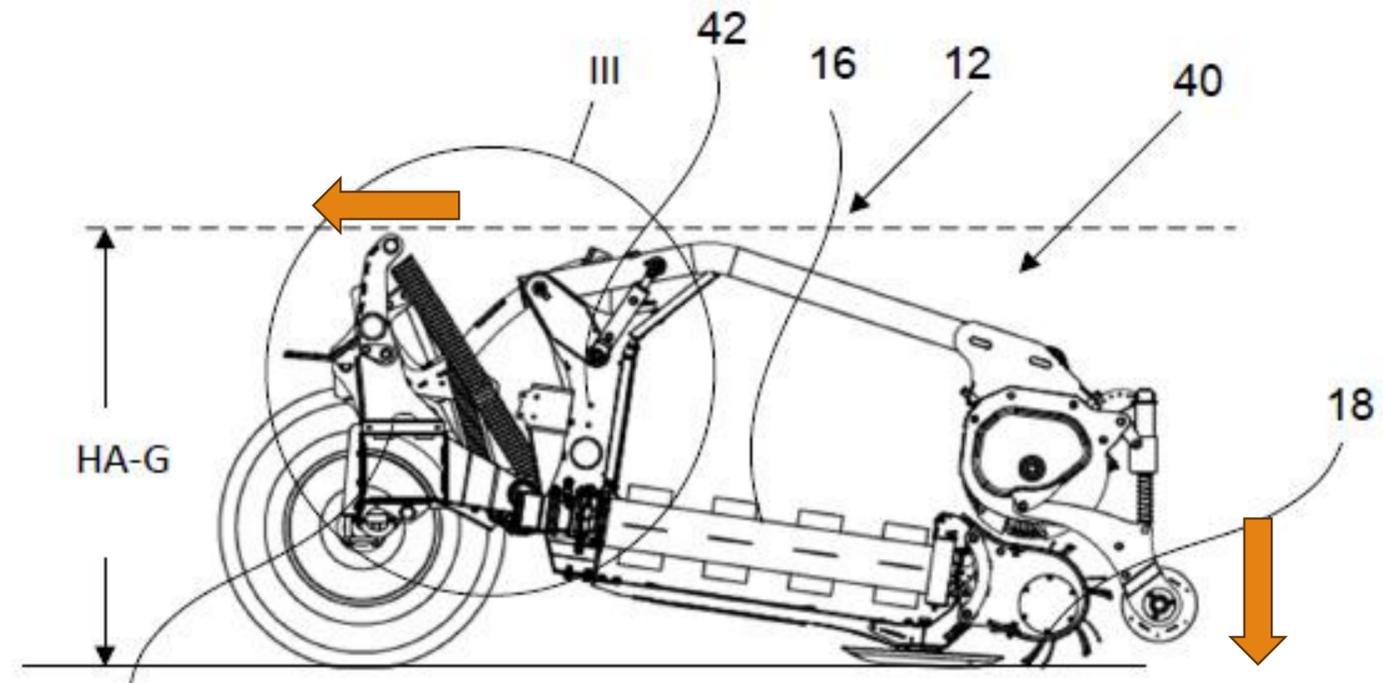
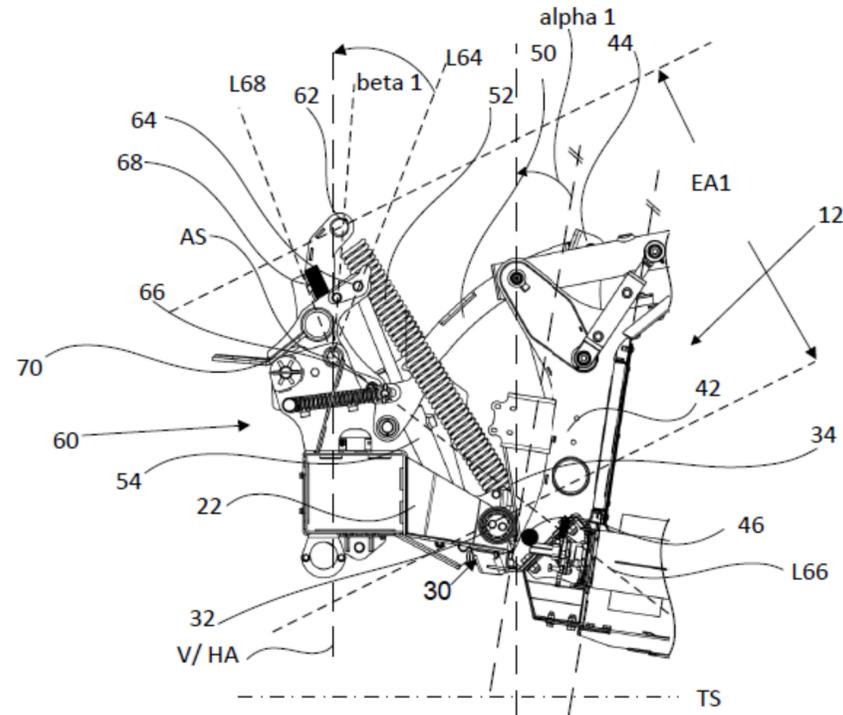
- Easy folding position without raising the tractor's lifting gear ①
- Simultaneous locking of the working units to the slide
- Springs are released at the same time
- Locking for transport - transport hook
- Integrated rake height adjustment ②



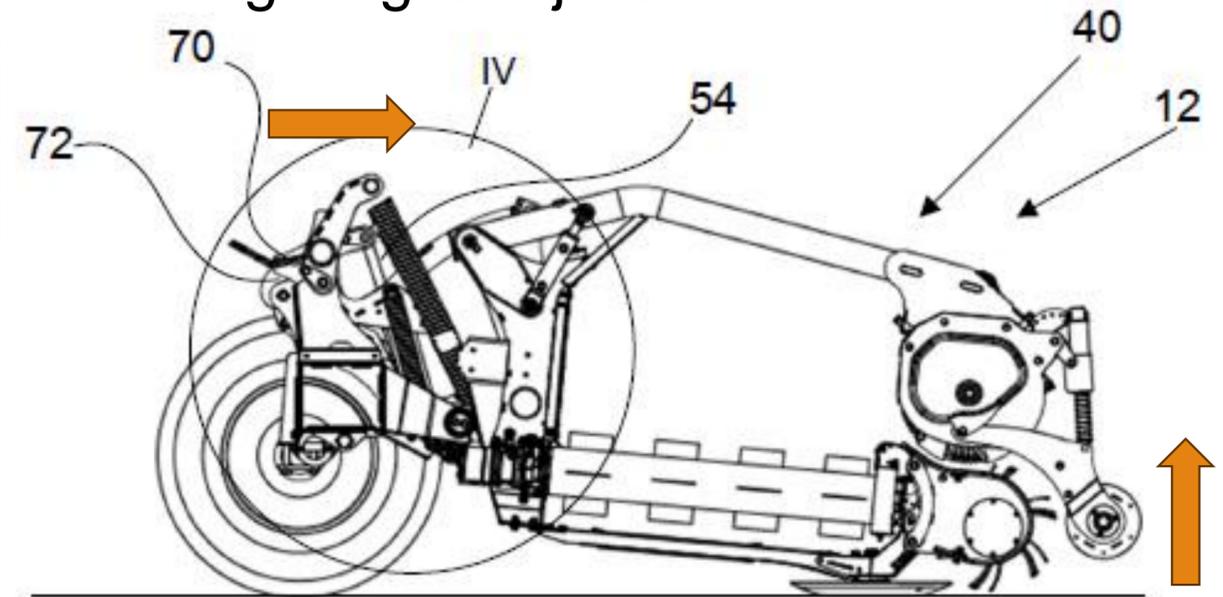
Patent pending



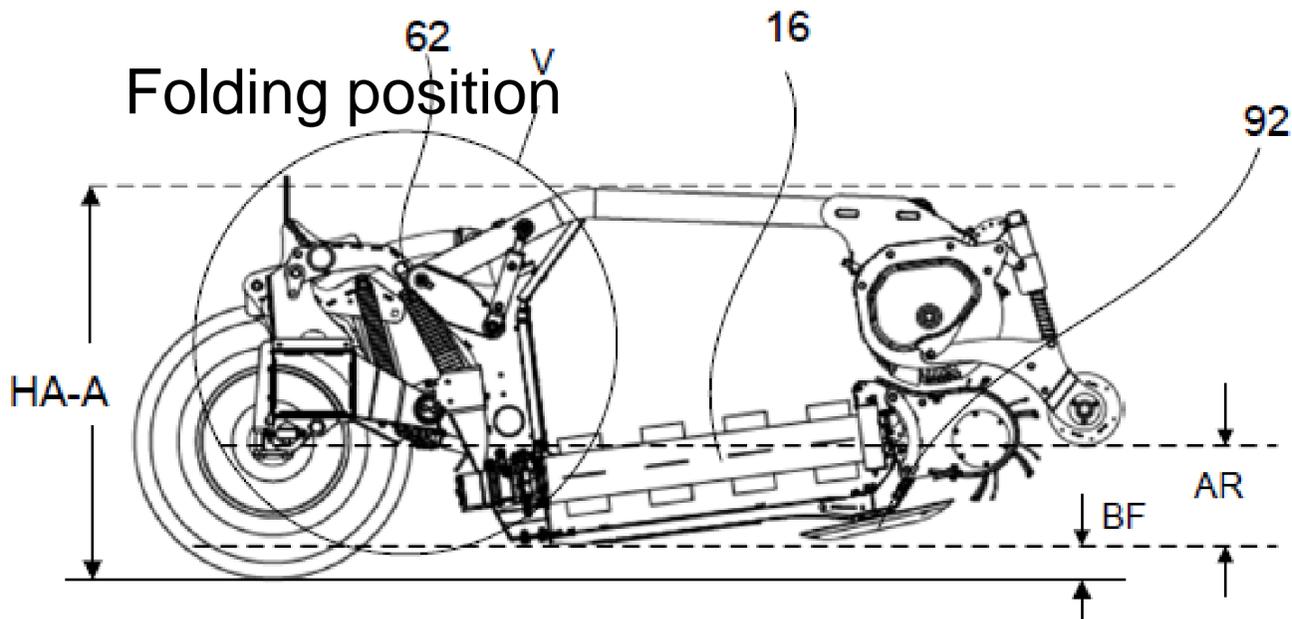
Patent pending



Raking height adjustment

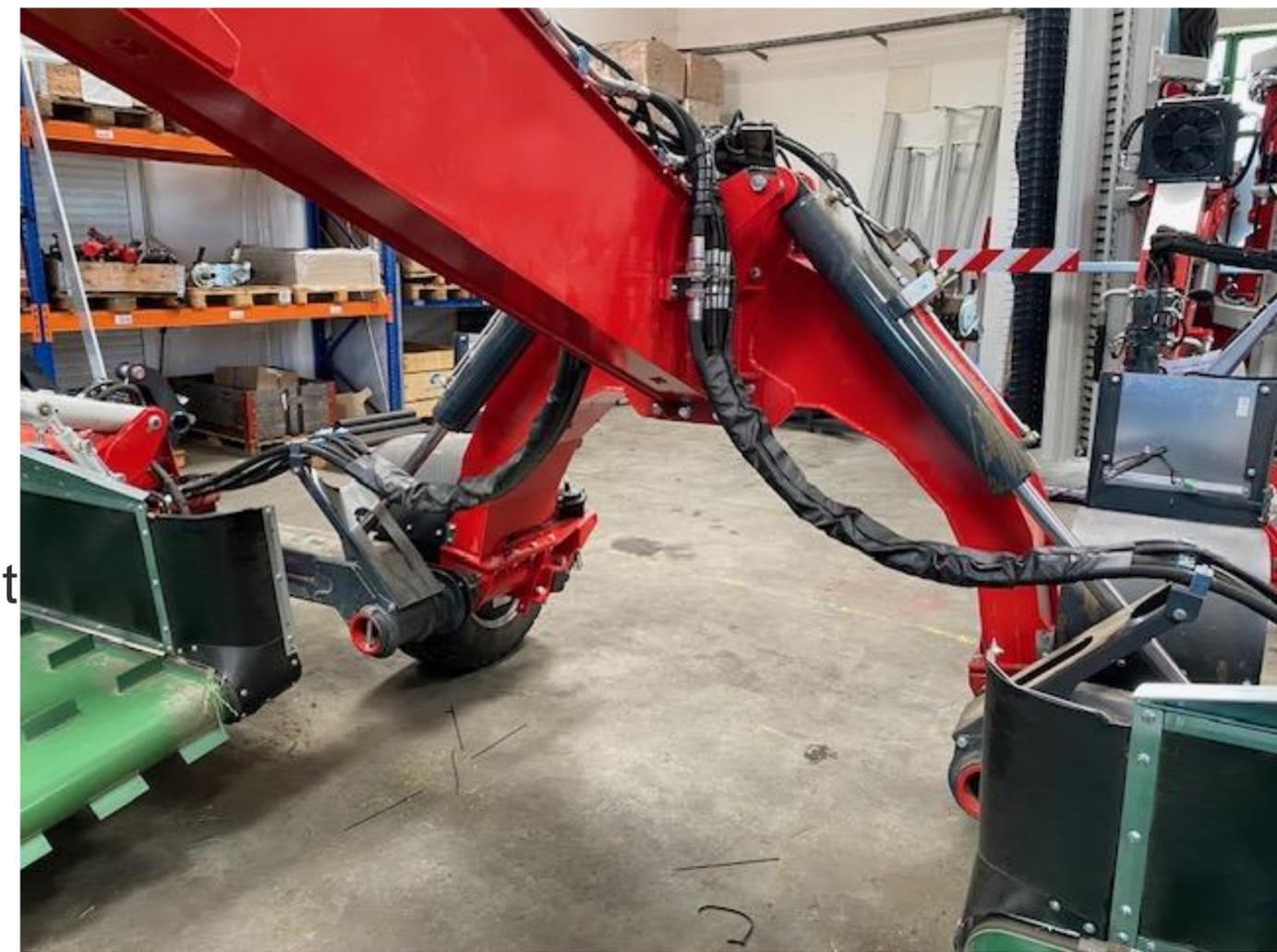


Folding position



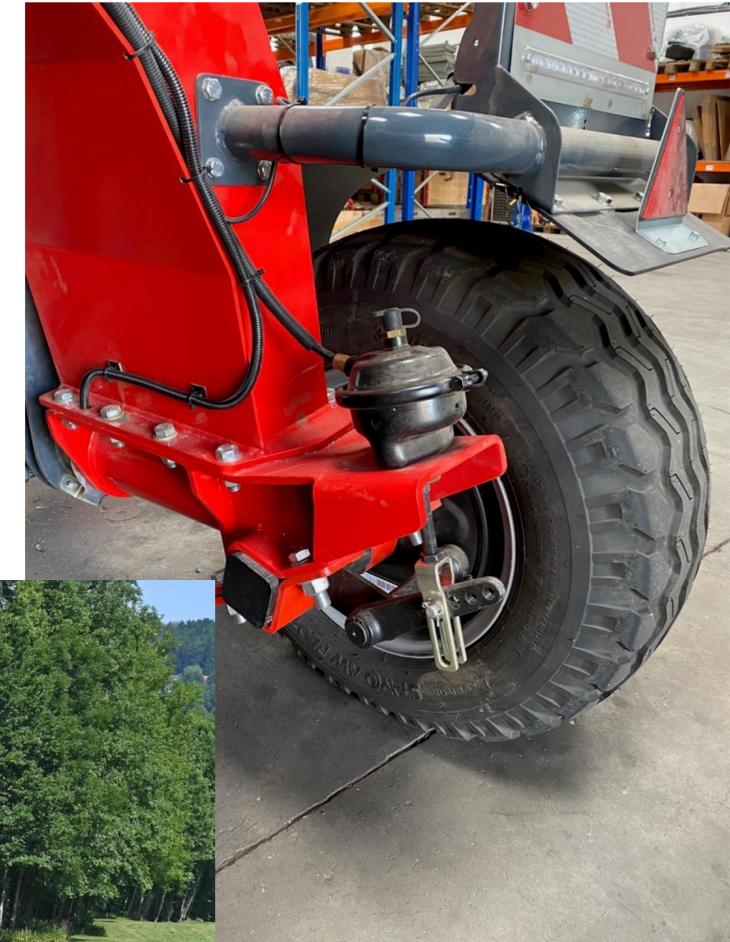
Power chain

- Simple and "straightforward"
- Ideal combination of folding and telescoping movement work and when locking



4-wheel chassis - proven and safe

- Tyres 380/55-17 → to be made larger for the pre-series
- Air brakes / hydraulic
- Mudguards
- Lighting
- Working lights
- Working width adjustment via telescope
- Raised passage 1.2 m
- 1.6 m clear width



Transport

Compact transport

- 5.6 x 3.4 x 2.90 m



Swath placement silage



Swath placement hay



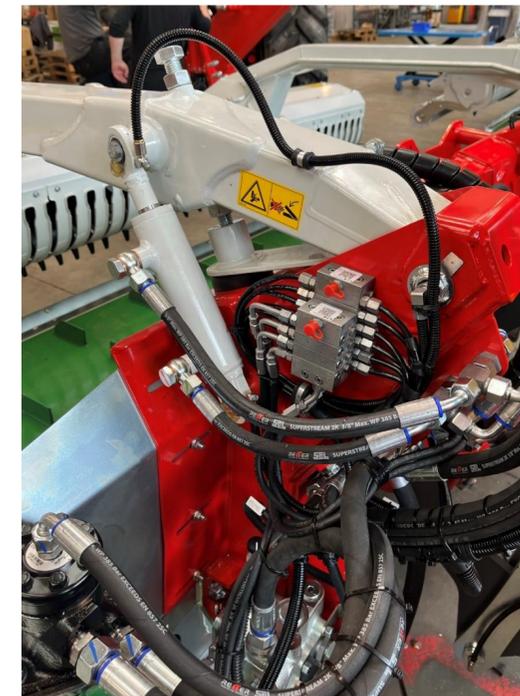
Market launch

First presentation Agritechnica 2023

Pre-series 2024

Additional options for RESPIRO R9:

- Vertical belt for heavy gras conditions
- Automatic central lubrication system





RESPIRO – Pastures, animals,
machines and men respire