



2500

Class leading features
RANGER



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2500



Leading in features
Even as the smallest member of the large HARDI trailer range, RANGER has a strong pedigree. Designed to meet the need for a simple and reliable trailer, its success has been proven around the world since 2007.
In that time RANGER has consistently lead its class by offering a wide range of features.

Quality and design
Booms based on different concepts ensure the right boom for every specific need.
Intelligent tank and frame design deliver strength and stability, while carefully selected components guarantee high performance and ultimate durability.



SelfSteer

SelfSteer is a simple mechanical steering system with low maintenance requirements and absolutely no special operator input during the spray job.

The system is coupled to the tractor's 3-point linkage arms to provide better tracking on headland.

SelfSteer can also be enhanced with slope correction. This feature is manually operated directly from the tractor's hydraulics and helps SelfSteer to stay in the tramline, even in hilly conditions.



Manifold

The work zone gathers all the sprayer's primary functions into easy-to-reach positions. Everything needed to operate the sprayer is located in this one area, with a clear and logical layout.

The manifold system is used to switch between operating features such as RinseTank, tank flushing nozzle and TurboFiller.



TurboFiller

TurboFiller is a high capacity induction hopper which makes adding chemicals fast and easy.

The unique TurboDeflector creates a powerful liquid circulation in the hopper and mixes all types of chemicals quickly and safely.

The mixing water is added through a unique distribution plate placed in the bottom of the TurboFiller. This ensures a high exchange rate, even when powders are being used.

SPECIFICATIONS

- ▶ **Tank:** 2500 l designed for optimal stability and low residue
- ▶ **Frame:** High absolute clearance, low centre of gravity
- ▶ **Diaphragm pump:** Reliable, high capacity and easy to service
- ▶ **Operating unit:** Electrically operated pressure regulation, with on/off and section controls
- ▶ **Controller:** HC 5500 (optional)
- ▶ **Liquid system:** Intuitive and logical manifold system
- ▶ **Axle:** Adjustable from 1.5 to 2 m
- ▶ **HYS boom:** Compact, vertically folded 12 m boom
- ▶ **TWINSTREAM booms:** Air-assisted booms at 12 and 15 m
- ▶ **FALCON booms:** Manual or hydraulic fold booms of 12 to 16 m
- ▶ **EAGLE booms:** Simple and strong booms from 18 to 21 m

- ▶ Easy to operate
- ▶ Simple to service
- ▶ Short and compact
- ▶ Light weight

Precision spraying

Flexible performance

TWIN STREAM

Available in 12 and 15 m boom sizes, TWIN STREAM incorporates a powerful blower unit and an airbag that spans the entire width of the boom.

An even curtain of air is blown under the boom and carries the spray droplets directly onto the target – aiding penetration, increasing coverage and reducing drift.

This air-assisted spraying greatly improves sprayer performance and efficiency.

In difficult weather conditions the TWIN STREAM can continue to deliver spray accurately, long after conventional sprayers have been forced to stop.

Total control

TWIN STREAM offers unmatched crop penetration, coverage and drift control.

The air speed and air angle can be controlled by the operator to deliver a precise application in a wide range of crop and weather conditions.

HYS - fold for efficiency

With both individual section folding and single side folding, the 12 m HYS boom brings convenience and flexibility to large or small paddocks.

The versatility of the HYS boom makes it ideal for spraying in fields where obstructions cannot be avoided.



Robust wide booms

Ideal for all field conditions

EAGLE SPB 18, 20 and 21 m booms

EAGLE booms feature a rugged two-dimensional structure and a coil spring self-stabilizing trapeze boom suspension. This combination provides for many years of trouble free use even in the toughest field conditions.

Nozzle bodies are located behind and above the boom structure for maximum protection, while the non-directional spring loaded break-aways protect the boom itself from damage.

Standard:

- ▶ ParaLift height control
- ▶ Symmetric fold of boom wings

Optional:

- ▶ Individual boom wing tilt

Hydraulic folding options

EAGLE booms are available with two different hydraulic set-ups.

Y-version gives an easy folding where left and right side of the boom are folded symmetrically.

Z-version is electro-hydraulic and gives the possibility of individual tilt.



FALCON - 12 to 16.5 m

The smaller Falcon boom family delivers a smooth ride over tough field conditions.

Two dimension steel construction with dynamically linked coil spring centre and inertia based boom control provides excellent stability.

As with Eagle booms, the nozzles on Falcon booms are protected by the main structure.

HC 5500 controller

The obvious choice

HC 5500

The HC 5500 is a powerful computer that makes basic spray functions simple and safe, and provides easy access to more information when needed. It is the obvious choice where features like IntelliTrack and advanced farming tools are desired. The operator is instantly informed of the operation status and warned if vital parameters like pressure, speed, etc. are incorrect.

It is advanced farming, with the ability to link up to 98 register and connection possibilities to a site-specific application map or remote sensor. Various optional extras such as a Tank Gauge or 12-V printer are also available.

The LogicMenu makes it easy to get vital information very quickly. Simply press the preset keys and the required details will be displayed in the large format area of the screen. These keys also double up as short cut keys for the most used functions. Volume rate can also be changed on the go, as either a percentage or as a volume value.

HC 5500 is equipped with the new SprayBox III, to allow connection of the user's preferred spray management systems.



SprayBox III

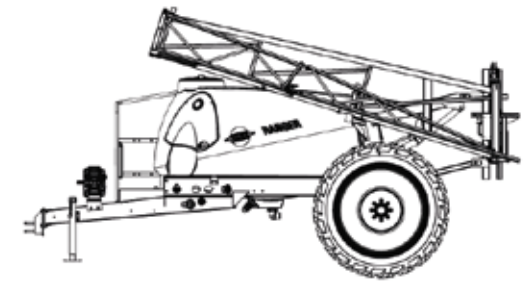
The optional HARDI SprayBox III makes it easy to manage spray pressure and boom section activation from the driver's seat, with the reassurance of manual override in case of electrical failure.

Seamless integration with the main HC 5500 controller provides fingertip control right where you need it. Use the SprayBox III to adjust pressure and activate boom sections on the move, while monitoring flow rates and more via the HC 5500 unit.

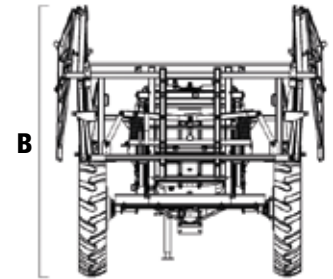
Technical specifications

Boom	EAGLE	FALCON	TWINSTREAM	HYS
Tank, l (net)	2500	2500	2500	2500
Pumps, type – l/min	1303-114 or 364-194	1303-114 or 364-194	1303-114 or 364-194	1303-114 or 364-194
Booms, m	18 / 20 / 21	12.5 / 14 / 15 / 16.5	12 / 15	12
Hydraulic outlets needed (Man. fold models)	1 single + 1 double acting**	1 single acting	1 single + 1 double acting**	1 single + 1 double acting**
Hydraulic outlets needed (Hyd. fold models)	1 double acting**	1 single + 1 double acting**	1 double acting**	1 double acting**
Weight total (empty tank), kg	1,740-1,880	1,880-2,100	1,880-2,100	1,880-2,100
Total length*, m A	5.40 / 5.53***	5.40 / 5.53***	6.10 / 6.23***	5.80 / 5.93***
Total height*, m B	2.90	2.60	3.20	3.20
Width with boom in transport position*, m C	2.98	2.55	2.40	2.40
Track width, m	1.50-2.00	1.50-2.00	1.50-2.00	1.50-2.00
Length draw to axle, m	3.95	3.95	3.95	3.95
Ground clearance, m	0.70	0.70	0.70	0.70
Rinse Tank (optional), l	250	250	250	250

Dimensions based on standard tyre (14.9 x 28) * Measurements: EAGLE 18 m, PRO 24 m **Extra outlets needed for Slant on Y version, and for Slope correction *** No steer / steer



A



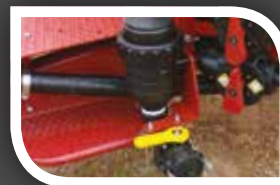
B

C

Options



250 l Rinse Tank
Mounted over the axle for stability, makes in-field cleaning easy.



FastFill
Convenient ground level filling via a 1½" filtered inlet with camlock coupling.



External Cleaning Kit
Hose reel and spray gun for external cleaning.



Mud Guards
Protects the boom and nozzles from dirt and debris during transit.
(Subject to tyre selection.)



Vac 'n' Mix
Vortex mixing for safe, easy chemical handling, with optional vaccum attachment for closed transfer.



Nørre Alslev, Denmark



Lleida, Spain



Savigny, France



Noyers St Martin, France



Beaurainville, France



Davenport, USA



Adelaide, Australia

HARDI The Sprayer

HARDI AUSTRALIA PTY LTD

is a subsidiary of HARDI INTERNATIONAL, a world leader in sprayer technology.

The majority of HARDI sprayers and booms sold in Australia and New Zealand are manufactured here. We employ more than 100 engineering, testing, distribution and support staff in 15,000 square metres of modern facilities, located on our 10-hectare site in Adelaide, South Australia.

Leading the world

For over 60 years, HARDI INTERNATIONAL has single-mindedly dedicated itself to improving the efficiency and precision of sprayed plant protection. Now a world leader in the field, HARDI recognises its role in global food security through the safe and sustainable application of agricultural compounds.

The Australian product development centre works closely with five other HARDI development centres internationally, to share local innovations with the world and to streamline the delivery of global improvements at home.

Quality assurance

All sprayers leaving the HARDI AUSTRALIA factory are extensively tested in our own test facilities. We then provide ongoing support through our extensive service and dealer networks.



Built to last

Together with the Delta/Magni treatment of nuts, bolts and other items, we finish all our products with comprehensive water and chemical protection.

The high-technology surface treatment involves five processes, including a zinc-phosphate pre-treatment and oven-baked polyester powder coating of all major components.

HARDI reserves the right to change the specifications without notice. Illustrations shown may include optional extras and accessories.



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#HARDIsprayers

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