

*Lightweight & excellent traction*  
**HELLIOS**



3000



*Lightweight & excellent traction*

# HELLIOS

3000



### **A combination of low weight and excellent traction**

The HARDI HELLIOS sprayer is compact and versatile. The machine is very easy to handle and offers outstanding economy.

HELLIOS features a 3000 l main tank and aluminium booms of up to 38 m width, making them a very cost efficient solution for treating small to medium sized properties.

The HELLIOS is one of the most fuel-efficient sprayers of its kind and also the lightest sprayer in its category. With an unladen weight

of only 6.3 t and a 140 HP engine coupled to a unique transmission concept, the HELLIOS allows early season operations as it will work easily on soft soils.

The HELLIOS cabin provides a modern and safe working environment for the operator, with excellent visibility of the front boom and an easy view of the spraying operation. A pneumatic seat with numerous adjustment possibilities offers great comfort over long working days.



### Lightweight

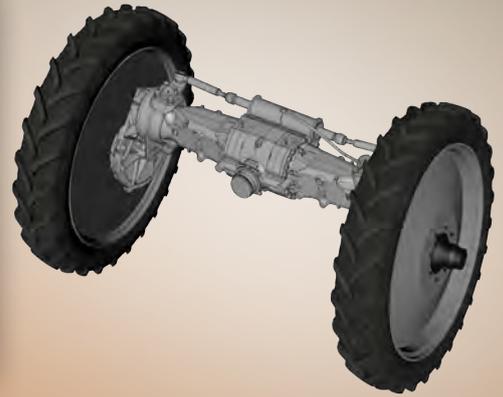
Hills, wet ground, slopes, etc,  
HELLIOS goes everywhere!



### Driving comfort: Three point suspension

HELLIOS features a pneumatic three point  
suspension on its chassis:

- ▶ 1 double layered air bag on the front axle
- ▶ 2 triple layered air bags on the rear axle



### Advantages of a hydromechanic transmission:

- ▶ More torque for better traction in difficult conditions
- ▶ Reduced fuel consumption
- ▶ Quieter operation for improved cab comfort
- ▶ Better safety with brakes on four wheels



The combination of a cab with panoramic visibility and a front boom:  
Perfect visibility and control over your work.

### SPECIFICATIONS

- ▶ **Tank:** 3000 l
- ▶ **Controller:** Matrix Pro GS 840
- ▶ **Graduated induction hopper:** 35 l capacity
- ▶ **Aluminium front booms:** from 21 to 38 m
- ▶ **Wide track width:** 1.8, 2 or 3 m fixed – for use on row crops
- ▶ **Engine:** Deutz Engine 103kw / 140 hp
- ▶ **Cab:** Category 4 rated

- ▶ Driving comfort: Efficient suspension
- ▶ Light weight: Hills, wet ground, slopes, etc,  
HELLIOS goes everywhere!
- ▶ Four-wheel steering for excellent manoeuvrability
- ▶ Engine: adequate power for high performance, economical sprayer
- ▶ Category 4 cabin: Optimum driver protection with best possible air quality.

# Engine & Transmission

Adequate power for high performance and maximum fuel efficiency



## 140 hp engine

Unlike a lot of crop protection machinery, HARDI sprayers come with enough balanced engine power to ensure excellent traction. The hydromechanical transmission and low unladen weight are among the core advantages of the HELLIOS:

- ▶ The ability to work efficiently (with traction, power and reactivity) without requiring an oversized engine

## Easy maintenance

### Engine compartment at the rear of the machine:

- ▶ Filters at working height for easier servicing
- ▶ Soundproof covers for reduced noise in the cab

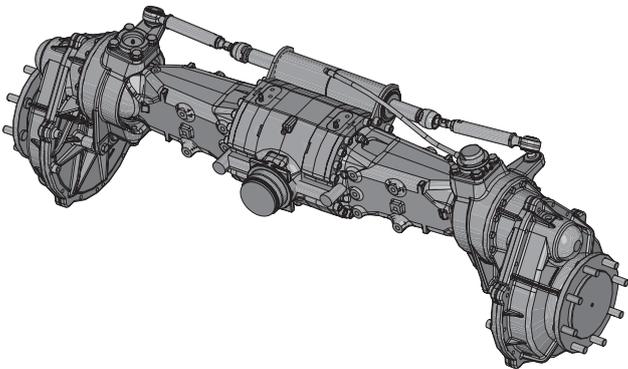
### Side door:

- ▶ 250 litre fuel tank
- ▶ Storage space for personal protective equipment

## Hills, wet ground, slopes, etc. The HELLIOS goes everywhere!

The HELLIOS self-propelled sprayers feature:

- ▶ Hydromechanical transmission on the rear axle (see below)
- ▶ Hydraulic assistance on front wheels.



## Advantages of a hydromechanical transmission

You will easily cross difficult areas (hills, wet terrain, slopes, etc.)

- ▶ Improved driving efficiency with more torque to the ground
- ▶ No power loss
- ▶ Less weight compared to conventional hydraulic drives
- ▶ Better fuel economy

## Four-wheel steering for excellent manoeuvrability

Thanks to its four-wheel steering system, the HELLIOS provides:

- ▶ Unparalleled traction and manoeuvrability, with:
  - ▶ *Slope mode with rear-wheel steering – engage the crab mode to safely operate on cross slopes*
  - ▶ *Four wheel steering function for minimum turning radius*
- ▶ Preserving crops and soil:
  - ▶ *Front and rear wheels follow the same track in wheel and crab mode*

## Easy to use

The system is fully automated: no action is required to control the engine speed.

## User friendly working environment

The engine runs at 1500 rpm, reducing noise in the cab and outside, during filling.

## Fuel economy

The engine speed automatically adapts to the torque requirement, to minimise fuel consumption.

## Cruise Control

It is easy to maintain a steady speed, spraying uniformly and precisely metre after metre.

## Automatic engine management:

Savings and comfort – guaranteed!

On the road	EcoControl	Automatic engine governor set for 1500 rpm
	Automotive	Automatic gear change (continuously variable transmission)
In the field	EcoControl	Automatic engine governor set for 1500 rpm
	Automotive	Cruise control





# Continuous Mixture Circulation

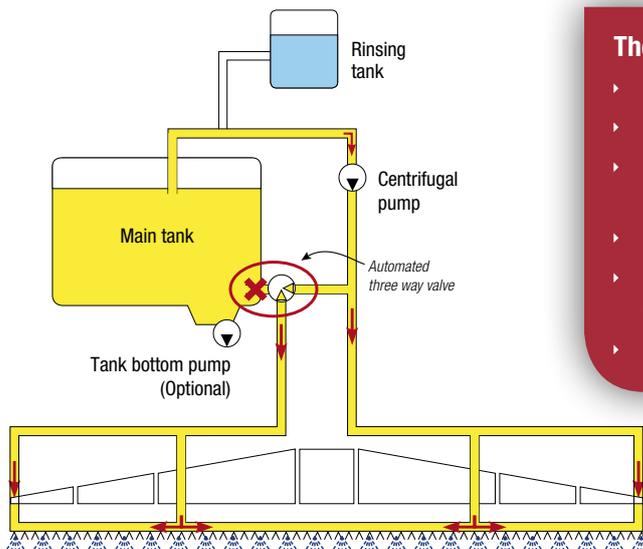
Ask for HARDI ActivAir!

## ActivAir is a standard on HELLIOS :

- ▶ No mixture reflow during spraying
- ▶ Immediate section opening / cut off
- ▶ No additional mixture return pipe on the boom
- ▶ Mixture circulation when spraying circuit is closed for immediate pressure when starting the spraying job

## Why is a HARDI ActivAir system unique?

Unlike other sprayers fitted with mixture reflow systems, the HELLIOS ActivAir comes with only a short single return pipe (no long return pipe from the boom).



## The advantages

- ▶ Reactivity
- ▶ Precision
- ▶ Minimum residual volumes
- ▶ Easy rinsing
- ▶ Less risks of obstruction
- ▶ Waiting pressure

# Technical specifications

Main tank	3000 l
Rinsing tank	300 l
Fuel tank	250 l
Fixed Track widths	1.80, 2.0 or 3.0 m
Overall width	2,55 m
Turning radius	3,60 m
Unladen weight	6.3 t
Front/Rear weight distribution	45 % / 55 % (folded boom) 40 % / 60 % (unfolded boom)

Weight indication for HELLIOS 3000 l – 28 m.

3.86 m  
Heights  
depending  
on tires and  
boom width



Standard ground clearance 1,10 m



6,76 m  
6,80 m - 9,13 m

# 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 thoroughly tested in our own test facilities. We then provide ongoing support through our extensive service and dealer networks.



Adelaide,  
Australia



Nørre Alslev,  
Denmark



Savigny,  
France



Beaurainville,  
France



Noyers St Martin  
France



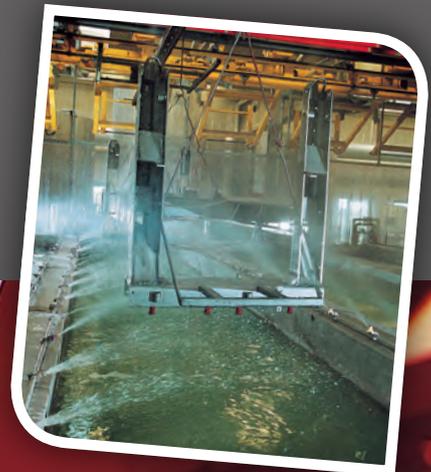
Davenport,  
USA



Lleida,  
Spain



#HARDIsprayers



### 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 AUSTRALIA P/L

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