



6500 / 9000

Maximum Productivity  
**RUBICON**





# Maximum Productivity RUBICON

6500 / 9000



## Don't compromise on the most important piece of farm machinery

The RUBICON establishes a new class in self-propelled sprayers, designed to meet the productivity demands of large scale farmers.

The seamless integration of capacity and ease of operation delivers acre eating performance to conquer everyday spraying tasks with ease and ahead of time.

## RUBICON delivers beyond expectation with:

- 6500 L or 9000 L payload
- Front mounted 36.5 to 54.5m booms
- Unrivalled visibility from a 3.4m high vantage point
- Road speed 50 km/h (max)
- Spray speed 35 km/h (max)
- 330 or 370HP Cummins engine
- Low noise level
- Ride beyond expectation
- Excellent boom stability and much, much more

## Maximum Productivity

The RUBICON will take productivity and ease of operation to a whole new level.

Increased tank capacity will not only improve productivity, but will improve the timeliness of applications. When timing one of the most critical factors, why waste it filling when you can keep spraying?

Capacity keeps you spraying for longer, by reducing travelling and filling down time. When timing is everything – don't waste time filling.

Capacity	L/h	ha/tank
6500	50	130
6500	60	108
6500	70	93
6500	80	81
6500	90	72
6500	100	65
9000	50	180
9000	60	150
9000	70	129
9000	80	113
9000	90	100
9000	100	90





**MAXIMUM PRODUCTIVITY**  
Featuring the HARDI Paragon Aluminium boom 36.5 to 54.5 m



**ADVANCED ENGINE TECHNOLOGY**  
RUBICON is powered by Cummins® 8.9l, Tier 3 Engine, 330 or 370 HP Cummins engine



**HYDRAULIC TRACK ADJUST**  
The RUBICON axle track width can be adjusted, on-the-run, from 3.0 m to 4.0 m  
The integrated air-ride suspension provides superior ride and performance.



**SUPERIOR CAB DESIGN**  
Large spacious cab featuring a premium leather seat with cooling/heating features. New standards for visibility allow the entire boom to be seen with uninterrupted forward vision.

## SPECIFICATIONS

- › **Tank:** 6500 / 9000 l
- › **Engine:** 330 or 370hp Cummins engine
- › **Transmission:** 4WD hydrostatic
- › **Controller:** TOPCON X35 / ISOBUS
- › **ChemFiller:** 60 l ChemFiller Induction
- › **RinseTank:** Aluminum 630 l
- › **Pump:** ACE 650 Hydraulic drive Centrifugal w/Oasis wet seal technology
- › **Fuel Tank:** 1000 l
- › **Clearance:** 1.85m
- › **Maximum Height:** 1.85 m
- › **Hydraulic Track width:** 3.0 m - 4.0 m
- › **Boom:** From 36.5 to 54.5m PARAGON Aluminium

- › High capacity – 6500 l / 9000 l
- › Unrivalled visibility
- › Ride extremely comfortable
- › Excellent boom stability

# H-Select Nozzle Technology

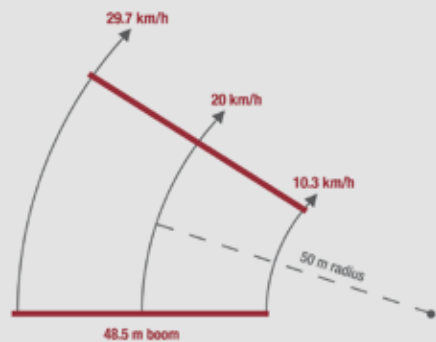
## High Speed Accuracy

Exclusive to HARDI, H-SELECT Nozzle Technology is the solution that large-scale spray operators have been waiting for.

H-SELECT co-ordinates up to four different nozzles at each nozzle body to continually maintain the required target rate across the boom and speed range. This rapid, blended switching between nozzle combinations means H-Select can achieve a target rate accuracy of 90 per cent or better over the entire paddock - virtually eliminating patches of over- or under-dosage. Exclusive to HARDI.

## Features:

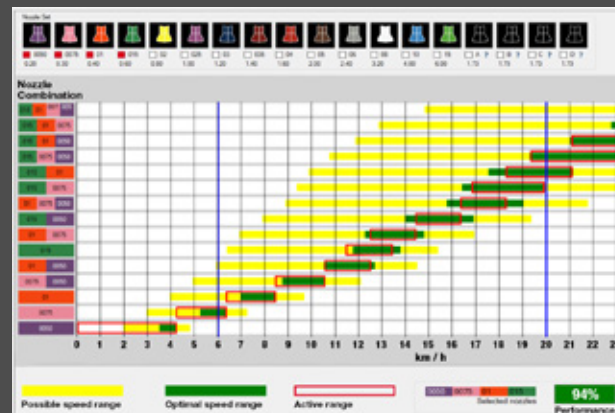
- ▶ **Droplet Control**
- ▶ **Turn Compensation**
- ▶ **Precision Rate Control**



## Turn Speeds

When turning around obstacles or in headland at typical spraying speeds, the nozzles at the outer tip of a 54.5 m boom can be moving almost twice as fast as those on the inside of the turn.

The speed variation across the boom is close to the forward speed of the sprayer at the centre.



## Nozzle Watch Application

Operators are able to plan their H-SELECT set-up with the complementary Nozzle Watch desktop application for Windows® PCs.

This software automatically calculates the optimum nozzle selection for a desired droplet size, target rate and speed range. Alternatively, operators can specify nozzles or specify fewer than four (keeping one position free for a fertilizer nozzle, for example).

Nozzle Watch then displays nozzle combinations and speed bands, plus overall rate accuracy for the job. Use all four recommended nozzles and that will usually be 90% or above.





## Droplet Control

HARDI H-SELECT integrates with ISOBUS to deliver user-friendly run screen. Unlike other systems where it is necessary to stop and recalibrate, H-Select enables operators to change the nozzle droplet size on the go.

The convenience of H-Select means that droplet size can be adjusted simply and accurately whenever crop or weather conditions change. H-select provides the ability to select any droplet size from fine to a very coarse.

## Turn Compensation

H-SELECT comes standard with Turn Compensation to ensure that application rate is maintained when turning around obstacles or at headlands. This automatically compensates for nozzles at the outer tip of a 54.5 meter moving almost twice as fast as those on the inside of the turn. H-SELECT ensures a constant application rate across the whole boom. This is made possible by selecting and switching different nozzle combinations on each section.



## Precision Rate Control

H-SELECT automatically provides accurate rate control through the widest possible boom and speed range. By selecting the appropriate nozzle combination at each four nozzle cluster, H-SELECT precisely regulates application and droplet size whenever an adjustment is made. Rate accuracy and correct droplet size selection is critical to effective crop penetration and drift control.



# Over 1000 Hectares Per Day

*Better application at higher spraying speeds*

Likewise by increasing the boom width you improve the work rate, which is what matters most when timing is all important.

A 48.5 m boom width represents a 35% increase in work rate over a comparable 36.5 m boom.

RUBICON with a 48.5 m boom at 35 km/h can deliver a work rate of 170 ha/h.

Keeping the nozzles at the correct height above the target, across the full width of the boom in all operating conditions, present little effort for RUBICON, but is vitally important for good application and performance.

The boom suspension, auto height and stability control systems allow you to lower the boom while protecting it from ground contact.

Lowering the boom reduces spray drift and delivers better application, which gives peace of mind, especially at higher spraying speeds.



Boom, m	km/h	ha/hr
48.5	35	170
48.5	30	146
48.5	25	121
48.5	20	97

It's never been easier to spray more area thanks to the combination of 9000 litres capacity and 48.5 m booms.



## Powered For Efficiency

RUBICON has the power and torque to effortlessly carry 9000 l and 48.5 m boom around the paddock.

Utilising the most technologically advanced, fuel efficient Cummins® 8.9 l QSL 9. This Tier 3 engine is available in 330 or 370 hp – for the ultimate performance, reliability and productivity.

The lean, clean engine is the best available to power the 4WD hydrostatic transmission from Danfoss.



# High Clearance with Comfort

## High Clearance with Comfort and Stability are central to RUBICON's productivity

The new Rubicon 9000 provides a high 1.8 m clearance in a clean and unobstructed under-body. This high clearance with its stream-lined design prevents damage to tall crops when performing late season application.

Comfort is important to the operator who has to spend long hours behind the wheel. RUBICON's large tires and triple support airbag suspension combination is the key to its superb ride and driver comfort, which is paramount to keeping fatigue at bay. The high clearance chassis also has available the All-Wheel Steering option to prevent addition crop damage on headlands when turning.



## OverRide Suspension

OverRide Suspension is designed for heavy duty applications, for greater load carrying capacity and for incredibly smooth running.

The suspension is fully independent, is integrated into each wheel console, and moves in and out with the wheel track width.

The front leading arm and rear trailing arm suspension components with triple convoluted low pressure air springs allows each wheel to address the ground conditions undisturbed by the other three.

This type of suspension allows for the highest ratio of sprung to unsprung weight on a vehicle keeping in contact with the ground regardless of the nature of the terrain the RUBICON is travelling over. Maintaining excellent ground contact also improves the handling and traction.

Heavy duty shocks absorb impulses from the suspension to improve the performance and ride.

## OverRide Suspension features

- Superior ride and handling
- Gives better traction
- Moves with wheel track adjustment
- More stable boom
- Reduces fatigue
- Better shock absorption
- Reduces vibration transfer
- Less pitch generated during braking and acceleration
- Ride level sensing to maintain the suspensions optimum ride height



# Incredible ride and driving performance boosts productivity

## Weight Distribution

The under chassis clearance is huge at 1.8 m.

The engine & transmission is at the rear, with the main, rinse and fuel tanks centrally located and boom at the front.

Everything is located to optimise the distribution of weight between the front and rear axles. With all tanks full and with a 48.5 m boom open the weight distribution is:

- Front 48.7%
- Rear 51.3%

Weight	RA 48 m
Total weight (empty), kg	15670
Total weight (full – fuel, main & rinse) kg	26400
Axle load front, kg – boom open %	48.7%
Axle load rear, kg – boom open %	51.3%

## Track width adjustment

The RUBICON axle track width can be infinitely adjusted, on-the-run, from 3 m to 4 m providing the ultimate flexibility for different applications and improved productivity.

- On road transport and spraying
- To suit varying field conditions
- To match the track width of other machinery
- Set up for control traffic farming
- To match row crop row spacing

The OverRide suspension is integrated into each wheel console and moves in and out with the wheel track width. Externally accessed PUKS are easily adjusted to take up play that may develop over time through changing the axle track.





# RUBICON 4WD Hydrostatic Transmission

*Highest level of performance*

**RUBICON 4WD hydrostatic transmission is the latest intelligent self-propelled sprayer drive management system from Danfoss, which delivers highest level of performance with reduced fuel consumption, and high operator comfort**

A Danfoss 250 cc variable displacement axial piston pump minimises control and charge pump losses to maximise available engine power. In addition the Danfoss H1 bent axis axial piston wheel motors are variable displacement and offer significant overall efficiency gains.

- ▶ Enhancing performance
- ▶ Improving fuel economy
- ▶ Providing power savings

The Danfoss H1 intelligent electronics is integrated on the Cummins "CAN" communication platform to ensure engine power is optimised to the wheel motor torque delivering precision and consistent smooth performance.

The micro-controller is pre-programmed with 4 different operator selectable modes to vary the drive behaviour to meet the application requirement.

The controller provides "watch dog" capability and real time fault monitoring.

The micro-controller measures the speed at each wheel motor 86 times per revolution to optimise drive torque and to minimise slippage. In 'field mode' the system manages the pump displacement and individual wheel motor output relative to the conditions, gradients, transmission operating pressure, and fuel efficiency.

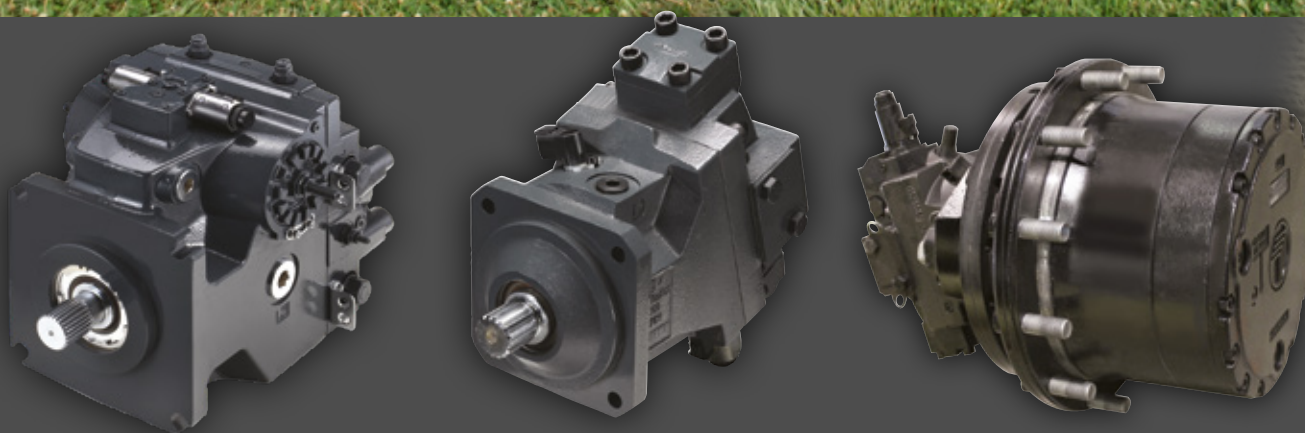
## Steering

### Powerful steering

The RUBICON has a powerful load sensing hydraulic steering system which controls two large phasing cylinders, and is ideally suited to challenging operating conditions. The steering is precise, smooth and quiet with no vibration which makes spraying easy, safe and reduces operator fatigue.



The turning circle is 17.88m  
(radius is 8.94m)





# Engine Power with Easy Access

*to ALL Engine locations*

## RUBICON is powered by Cummins – the most advanced engine technology to deliver power and reliability when you need it

Cummins engines run quieter, burn leaner and cleaner, and they are the industry leader in providing power to hydrostatic transmissions. The Cummins® 8.9 I QSL 9 Tier 3 330 or 370 hp features:

- ▶ Fully Integrated Electronic Controls provides seamless integration of all components to optimize engine performance.
- ▶ High-Pressure Common-Rail Fuel Systems. Increases power output and lowering fuel consumption, while reducing noise and engine vibration.
- ▶ Fleetguard® Fuel Filters featuring nanotechnology-based media, designed to remove 98.7 percent of all particles as small as 4 microns, which is up to 13 times more than competing filters.
- ▶ Cummins VGTT™ Turbocharger has fewer moving parts than competitive turbochargers yet is infinitely adjustable – delivering the exact amount of air to the combustion chamber with the precision of electronic controls.
- ▶ Easy service access to all machine components via protective covers and hoods



## Engine Cooling System

An oversized fan located in the engine compartment consistently cools the oil in the hydraulic circuit. The RUBICON can thus run with as little as 200 litres of hydraulic oil.



*Easy to Remove Access Panels*



*Full "Underside Access" to engine, hydraulics & electrical.*



*Right Side Access*



## **Full Engine Access** *for ease in servicing*





# Commanding View

## **A better view of the boom from the cab not only contributes to the comfort but to the quality of the productivity**

The operator has a commanding view over the boom from the driver's seat which makes spraying easier and safer.

The RUBICON cab is a special workplace and every detail counts: including the synchronized movement of the arm rest console to provide improved ergonomics, to unsurpassed visibility of the boom, clean air and responsible sound and vibration levels.

With superior comfort and the best view in the business, RUBICON makes spraying enjoyable and efficient.

## **All Day Comfort**

Operator comfort enhances productivity and is an essential for long spraying days.

The new Panoramic cab is larger, spacious and uncluttered, with top level ergonomics. Operator all-round visibility from this cab is the industry's best and there are no rear quarter pillars to obstruct the view.

The climate controlled, pressurized cab has active charcoal filtration that delivers high quality air which protects the operator from contaminants while spraying.

The cab provides a quiet and stress-free relaxed environment, which is easy on conversations and mobile phone use.

Tinted safety glass with front and side retractable sun screens filter the light and minimize glare into the cab.

An air-ride fully adjustable heated and cooled leather drivers seat provides exceptional operator comfort for those rough field conditions.

The joystick and SprayCentre are attached to the driver's seat and move in unison with it, for comfortable operation.

A trainers seat is large and comfortable, and can fold out of the way with ease.

The steering column pivots in two places and extends to provide adjustment for the perfect driving position for the operator.

In-cab storage is included in the arm rest console, a drawer under the seat, under the training seat, and a pocket behind the seat for the operator's manual.





### A Special Workplace!

Every detail contributes to the overall benefits and gains.

The leather drivers seat has its own suspension to provide many hours of fatigue-free spraying. It can be adjusted for weight, height, lumbar, back and leg position. It is also heated and cooled for utmost operator comfort.

A full size training seat can fold up and easily stowed out of the way. Both operator and training seats have compact storage facilities built into and under them.

Climate control air conditioning and cab pressurization is delivered through 10 roof and 2 floor mounted, fully adjustable outlets.

Windshield defrost vents ensure you should never have to experience fogged up windows.

The SprayCenter can be adjusted for the operators comfort. Switches for the transmission, axles, fluid and boom functions are logically placed and grouped for easy fingertip operation. They are illuminated for night spraying.

Turning indicators, driving lights, high/ low beam and hazard light selection are all located on the steering column.

A roof console houses the radio, and sound is delivered through four speakers.

An auxiliary 12-volt power socket is standard.





# Ground Control

## Work Zone



### Tank Control

The simple to operate electronic ground station control panel functions are duplicated in the cab and are used to sequence the rotary valves for suction, pressure and clean water supply. The correct operating positions are performed automatically and at the touch of a button.

The right side of the RUBICON houses the fluid pumps, control valves and the electronic valve sequencing control panel.

The fluid systems efficient design minimizes the volume remaining once the tank is emptied, which makes rinsing and decontaminating fast and efficient.

The fluid is driven by an 680 l/min ACE Centrifugal wet seal run dry centrifugal spray pump which is controlled by a hydraulic Pulse Width Modulation (PWM) valve to adjust the output.

A 76 mm hydraulically operated rotary valve controls the suction source from the main tank or the rinse tank or an external supply.

On the pressure side a similar 50 mm hydraulically operated rotary valve controls the supply to the boom recirculation system & nozzles, to the chemical filler, to the main tank or for pressure empty.

A dedicated hydraulic driven 82 l/min diaphragm pump with electric rotary control valve is used exclusively for clean water supply for the main tank, rinse nozzles, priming Ace pump or hand gun.



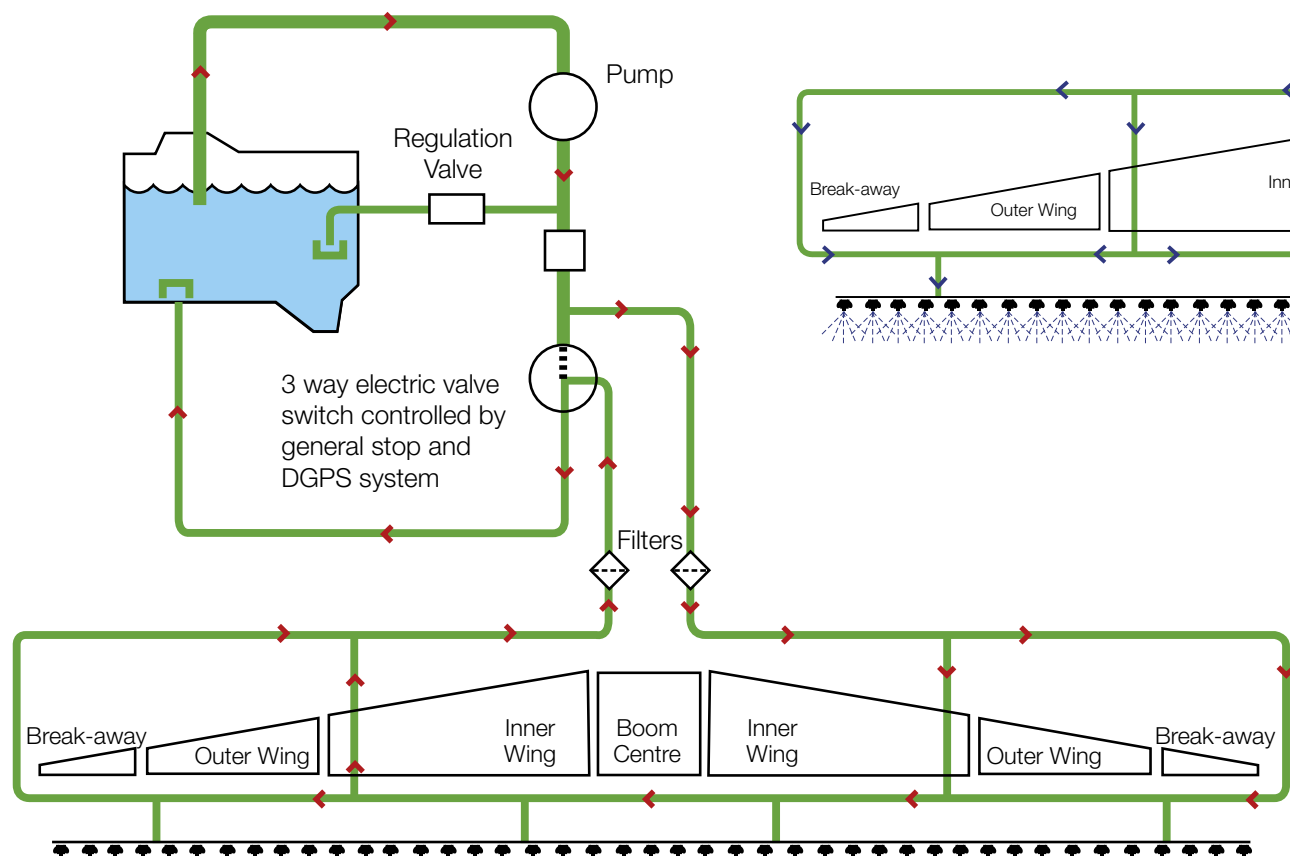


## Nozzles On

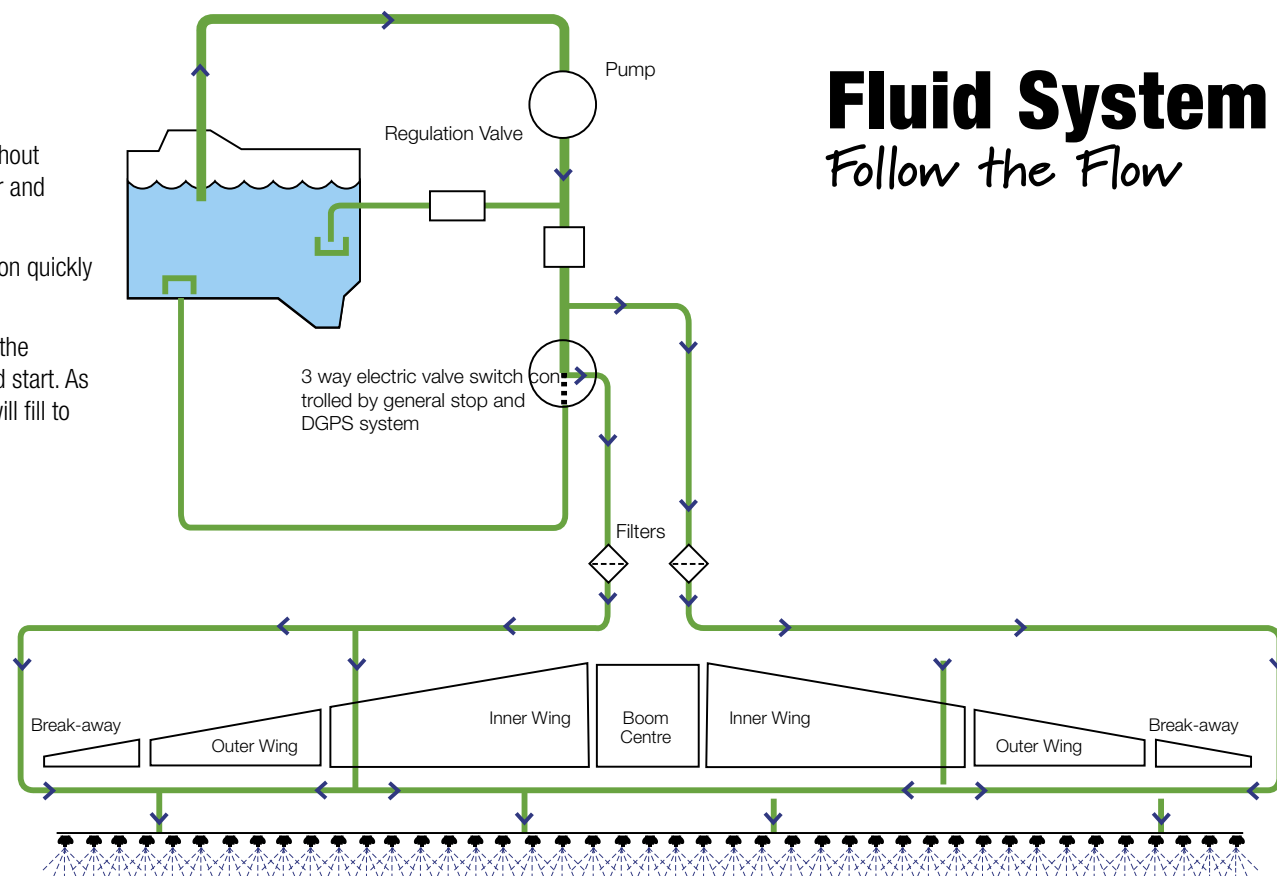
Make operation selections intuitively with on-screen symbols for spray with or without agitation, fill from an external source, prime main pump, tank rinse, chemical filler and more.

The valves rotate to their respective positions and seamlessly perform the operation quickly and efficiently.

When batch filling using the spray pump and ground station control panel, select the symbol representing filling from an external source, input the volume required and start. As long as there is a connection to the source and the pump is primed, the system will fill to the required volume and shut off when it is reached.



## Fluid System Follow the Flow



## Nozzles Off

When the nozzles are off the high volume boom recirculation system is automatically activated to ensure the boom is charged and ready to spray. This also happens during the trip out to the spray job.

A high capacity regulation valve ensures consistent application volumes for recirculation and for automatic rate control when spraying.

Under normal spraying conditions the flow is monitored by a flowmeter. However the system switches to pressure monitoring when the flow to the boom is very low. This ensures the highest level of accuracy under all spraying conditions.

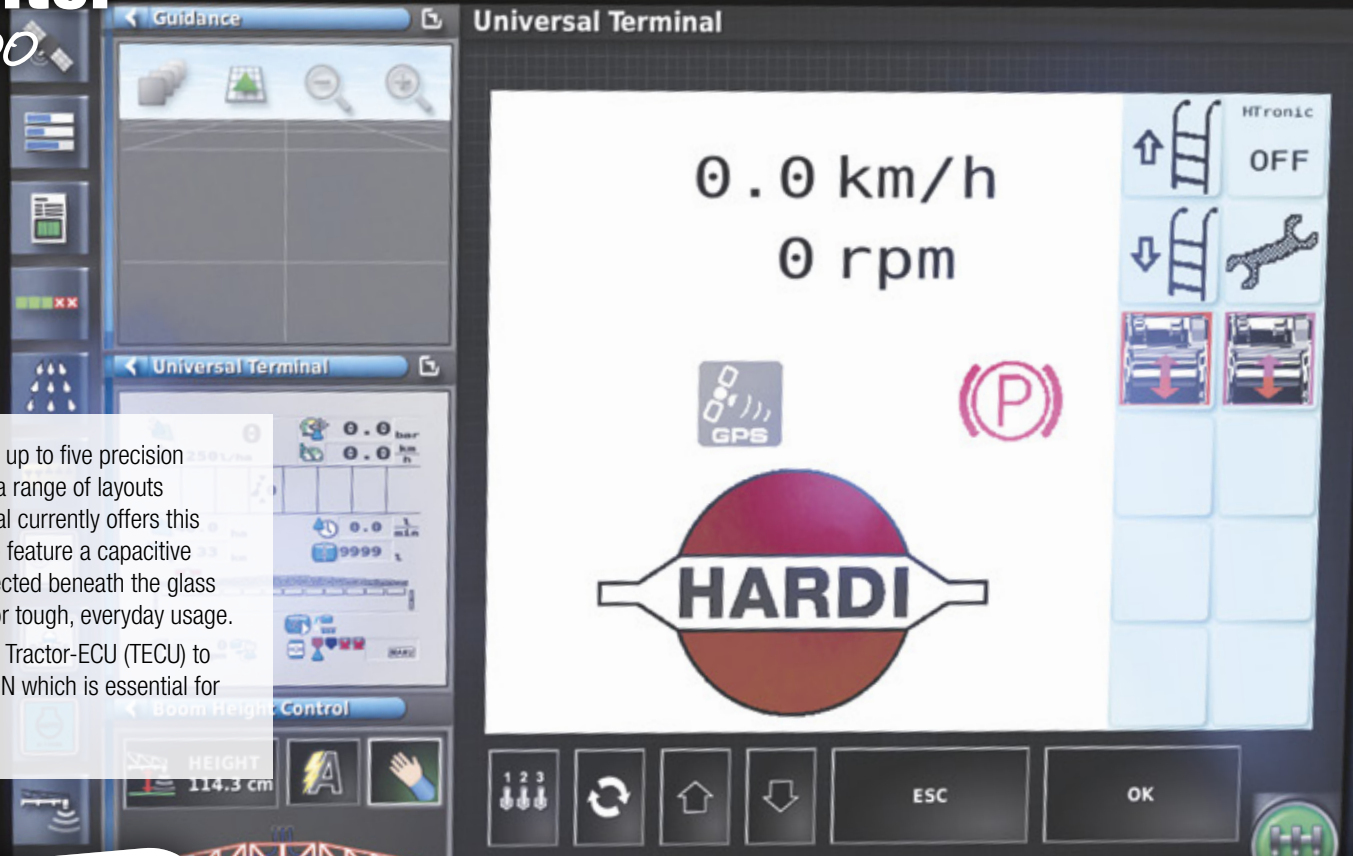
The bypass fluid can be directed to the tank for agitation or back to the pump suction if no tank agitation is required.



# Control Center

## HARDI HC 9600

TOPCON X35 can be used to display up to five precision farming functions simultaneously in a range of layouts and user interfaces. No other terminal currently offers this versatility! It is also one of the first to feature a capacitive touch screen. The touch-film is protected beneath the glass pane, making the technology ideal for tough, everyday usage. The terminal is fitted with an integral Tractor-ECU (TECU) to receive information from the RUBICON which is essential for precision farming applications.



### TOPCON X35:

- Up to 5 applications can run simultaneously.
- Latest touchscreen technology.
- Customised expansion options.
- ISOBUS standardised control and machine settings - reduces downtime and Interface problems as well as calibration processes.
- Unrestricted visibility in the cab.
- TOPCON X35 is the latest generation ISOBUS terminal – unbeatable in terms of flexibility, versatility and user-friendliness.





# Filling Station

*User friendly, functional, and ergonomic design*



**Designed to make loading safe, quick and easy, the combined mixing and transfer station is hydraulically lowered into position for refilling**

The filling station is a robust stainless steel construction and includes the Chemical Hopper, Direct Chemical Suction connection, Fast Fill connection, optional Multi-Stage Fast Fill Pump and Hand Gun.

For safe connection and working the 60 litre hopper is 70 cm above the ground when lowered into position. When folded away the entire work station is tucked out of the way under the right hand side panel.

Chemical can be suck directly into the RUBICON or mixed through the hopper and transferred.

Batch mixes can be pumped directly into the tank or the system can be programmed through the electronic valve sequencing control panel to suck in a given volume.





# BOOM management



## Boom Centre

RUBICON redefines boom stability: A revolutionary boom suspension system allows independent stiffness control settings on the springs and rams fixed to either side of the centre frame. The boom remains stable under the harshest operating conditions.

Field trials were performed with a boom set to only 50 cm height, and speeds of up to 50 km/h (turns at up to 30 km/h) without having the boom touching the ground!

The wide centre frame provides excellent on road visibility.

Spring tension holds the centre frame in the middle position while the hydraulic damper absorbs energy from booms movement. A hydraulic actuator operated from the cab exerts more or less pressure on the spring to change the resistance.







#### **Wide ParaLift Enhances Boom Stability**

The ParaLift is extra wide and provides the basis for unbeatable boom stability. It is anchored to the chassis at 1.7 m centres and picks up the boom at 2.3 m width. The ParaLift's width and torsional strength greatly exceeds the requirement for the widest booms currently available.

Two large ParaLift plunge cylinders with nitrogen accumulation provide the boom with vertical shock absorption and height control. The boom can be raised from 0.5 m to 2.7 m above the ground.

An air activated ParaLift locking system secures the boom into position for safe road transport.





# Paragon Aluminium Booms

## Width Without Weight

**When it comes to wide boom innovation and design Paragon Aluminium Boom is the market leader.**

Their accumulated 30 years' experience provides real benefits for farmers considering a lighter, stronger and wider boom option.

The 36.5 m, 48.5 m and 54.5 m Paragon Aluminium booms are well proven in field performance and reliability, and the weight reduction benefits over steel cannot be underestimated.

Optional AutoHeight control sets a new benchmark in wide boom performance, maintaining a lower boom height which provides better drift control.

With the Paragon Aluminium boom wings at half the weight of equivalent steel structures and when combined with Paragon Aluminium Boom patented yaw dampening, load and forces transferred to the centre during spraying are significantly reduced.

Paragon Aluminium boom soft close feature protects the boom when folding.



### AutoHeight Boom Control

AutoHeight control provides stress-free boom height control as it maintains the correct nozzle operating height, delivers better application and reduces spray drift.

AutoHeight uses ultrasonic sensors fitted to the boom centre and wings to control and maintain a preset height of the entire boom above the ground or crop. The sensors, developed for field conditions, are robust and precise.

The proportional valve control of individual boom wing height corrections is smooth, even and automatic. AutoHeight maintains a preselected boom height from the ground or crop.

### It features:

- 5 precision ultrasonic sensors
- Choice of soil or crop mode
- Proportional valve control
- 35 km/h operation speed

AutoHeight takes the stress out of having to monitor the boom position in anticipation of frequent terrain changes, and allows more efficient use of crop protection chemicals.







### Recirculation

Essential for priming, rinsing and for looking after the environment. As soon as the tank is recharged the fluid system automatically switches to recirculation, which means the boom is charged so you can go spraying as soon as the boom is unfolded.

The recirculation system also allows you to run clean water through the boom, back to the main tank at the end of the day rather than to spray rinse onto the ground.



### ActivAir

ActivAir is rapid nozzle on/off control system, that utilizes the Rubicon's on-board air supply to instantaneously open and close the non-drip nozzles during spraying.

Air pressure is distributed along the boom through 8mm tubing to electrically activate solenoid valves and then through 4mm tubing to each non-drip valve.

ActivAir's rapid nozzle control is fast and accurate, making it ideal for AutoSection control systems. Plus the spray lines are divided into 9 up to 18 sections to ensure minimal overspray when AutoSection control is in operation.

When a solenoid is activated to turn the nozzles on, air pressure opens the non-drip valves and the nozzles start spraying. When the solenoid is deactivated to turn the nozzles off the non-drip valves are held closed under spring tension.

When the nozzles are off the fluid system continuously recirculates the spray mix through the boom tubes at high volume to ensure the boom is primed before spraying starts.



# Night vision

## Lighting

The under boom lighting kit allows the spraying to go on long after the sun has set.

If the opportunity to spray comes at night, it is so much easier with the RUBICON's extensive lighting package.

The rear access stairway light is activated from cabin roof to show the way along the platform.

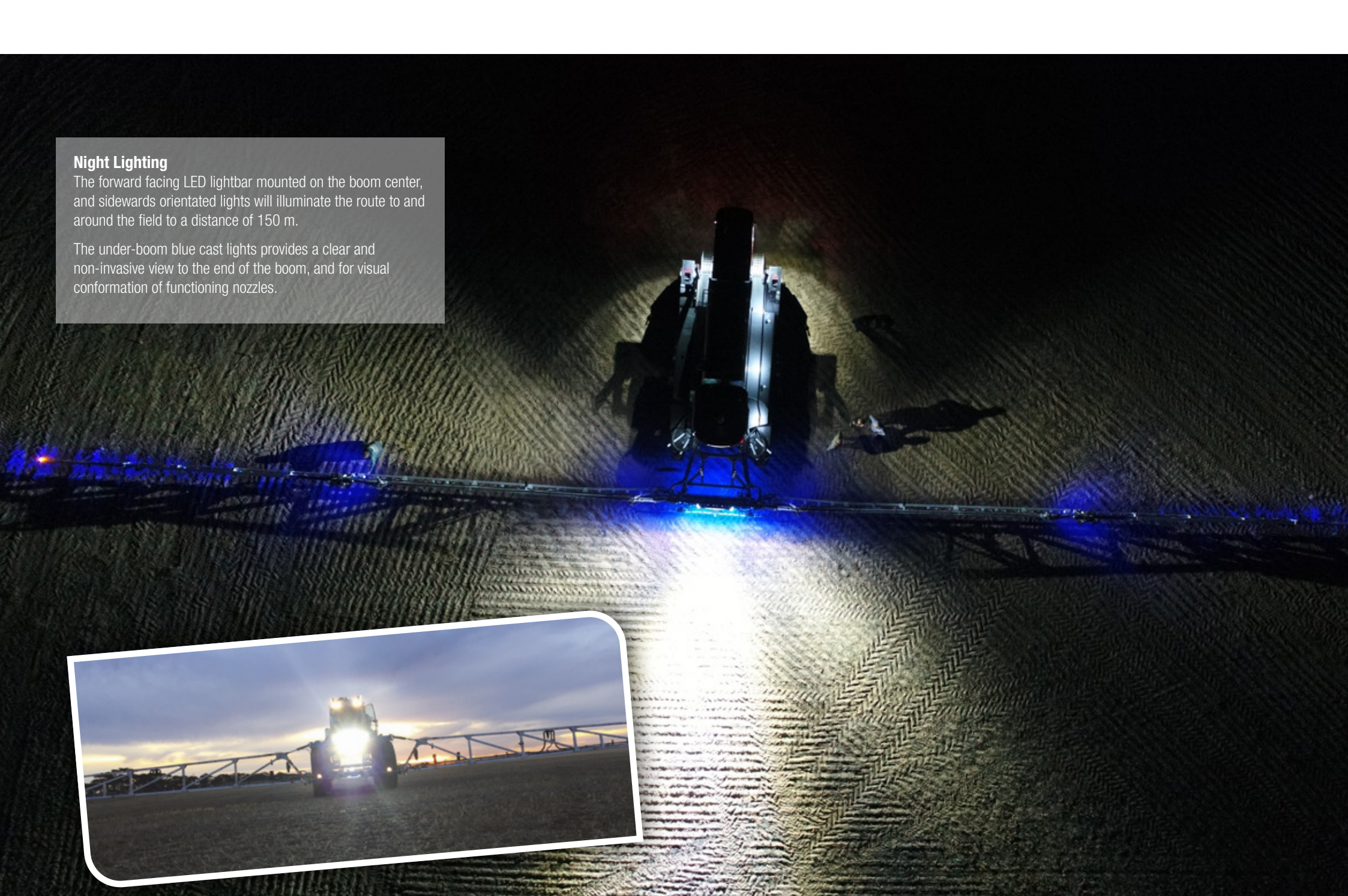




### Night Lighting

The forward facing LED lightbar mounted on the boom center, and sideways orientated lights will illuminate the route to and around the field to a distance of 150 m.

The under-boom blue cast lights provides a clear and non-invasive view to the end of the boom, and for visual conformation of functioning nozzles.





# Main Tank / Rinse Tank

**6500 / 9000 litre baffled stainless steel tank is integrated into the RUBICON chassis and is designed for capacity spraying**

Baffles not only enhance the integrity of the tank structure but improve the handling and directional stability of the sprayer. Suppressing the magnitudes of fluid slosh by controlling its flow and movement improves braking performance and yaw stability, making spraying comfortable and safe.

Three rotational tank rinse nozzles are fitted standard and provide consistent tank flushing.







### Maximum Capacity

A deep sump running the full length of the tank ensures total draining, easy cleaning and minimal residue.

There is a sturdy ladder on the right hand side of the Main Tank which allows easy access to the lid.

RUBICON's 1000 litre Diesel tank provides enough fuel for a whole day or night of spraying.





# Productivity

*750 to 1000 hectares per day*

## 9000 litre capacity

Delivers 150 ha per tank @ 60 l/ha, represents a 50% increase in sprayed hectares compared with alternative 6000 litre capacity SP's

## 48.5 m boom width

Covers 120 ha/hr @25 km/h or 144 ha/hr @30 km/h represents a 35% increase in work rate over alternative 36.5 m boom widths.

## Front boom

The operator has a commanding view over the boom and can see all of the nozzles from the driver's seat. Makes spraying easier and safer, which not only improves the comfort but to the quality of the productivity.

## OverRide suspension

Is fully independent for Incredibly smooth ride. Allows each wheel to address the paddock conditions undisturbed by the others. Provides superior ride and handling, gives better traction, moves with wheel track adjustment and delivers a more stable boom.

## Tyres

The ride and driving comfort is also attributed to the 480/70/54, reduces rolling resistance and the longer contact area to the ground delivers the ultimate flotation. The narrowness of the tyres lessens crop damage. Option to get 380/90 R54 tyres.

## Ground clearance

The under chassis clearance is a huge 1.85m.

## Reduced turbulence

With a smooth underbelly, 1.85m free flow ground clearance and the narrower 480/70/54 tyres there is less dust and wind drag than with lower wider tyred SP's.

## Weight distribution

Balanced – With all tanks full and with a 54 m boom open the weight distribution is – Front 48.7% and the Rear 51.3%.

## Paragon Aluminium boom

The weight reduction benefits of the Paragon Aluminium boom wings at half the weight of equivalent steel structures cannot be underestimated. The patented Yaw dampening to significantly reduce the load and forces transferred to the centre during spraying.

## Track width

Is infinitely variable with full tank, on-the-run, from 3 m to 4 m providing for different applications and improved productivity. The OverRide suspension moves in and out with the wheel track width.

## Engine & Transmission

370 Hp Cummins – the most advanced engine technology delivers the power and reliability when you need it. The 4WD hydrostatic transmission is the latest intelligent drive management system from Danfoss, which delivers highest level of performance with reduced fuel consumption, high operator comfort and 4 wheel braking.

## Fluid System

The AIS Circulation system is pressurised by a Run Dry Ace centrifugal pump and an automatic valve sequencing system. The tank fill volume is set, and once reached the fluid valves automatically switch over to agitation and boom priming. The tank content is then agitated and the spray circuit is primed and at standby operating pressure in readiness to start spraying.

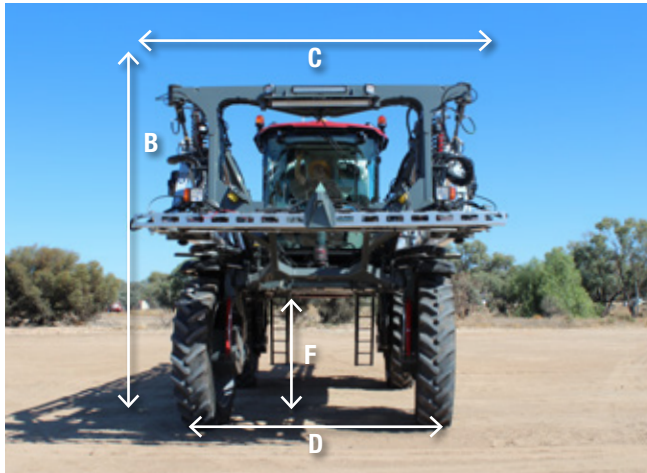
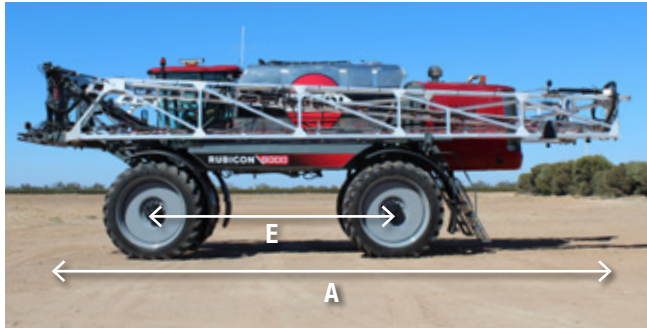
## ActivAir shut off

The reticulation system primes the boom tubes and the ActivAir section control provides instant nozzle opening at the right pressure – there is no lag and is ideal for ASC.





# Specifications



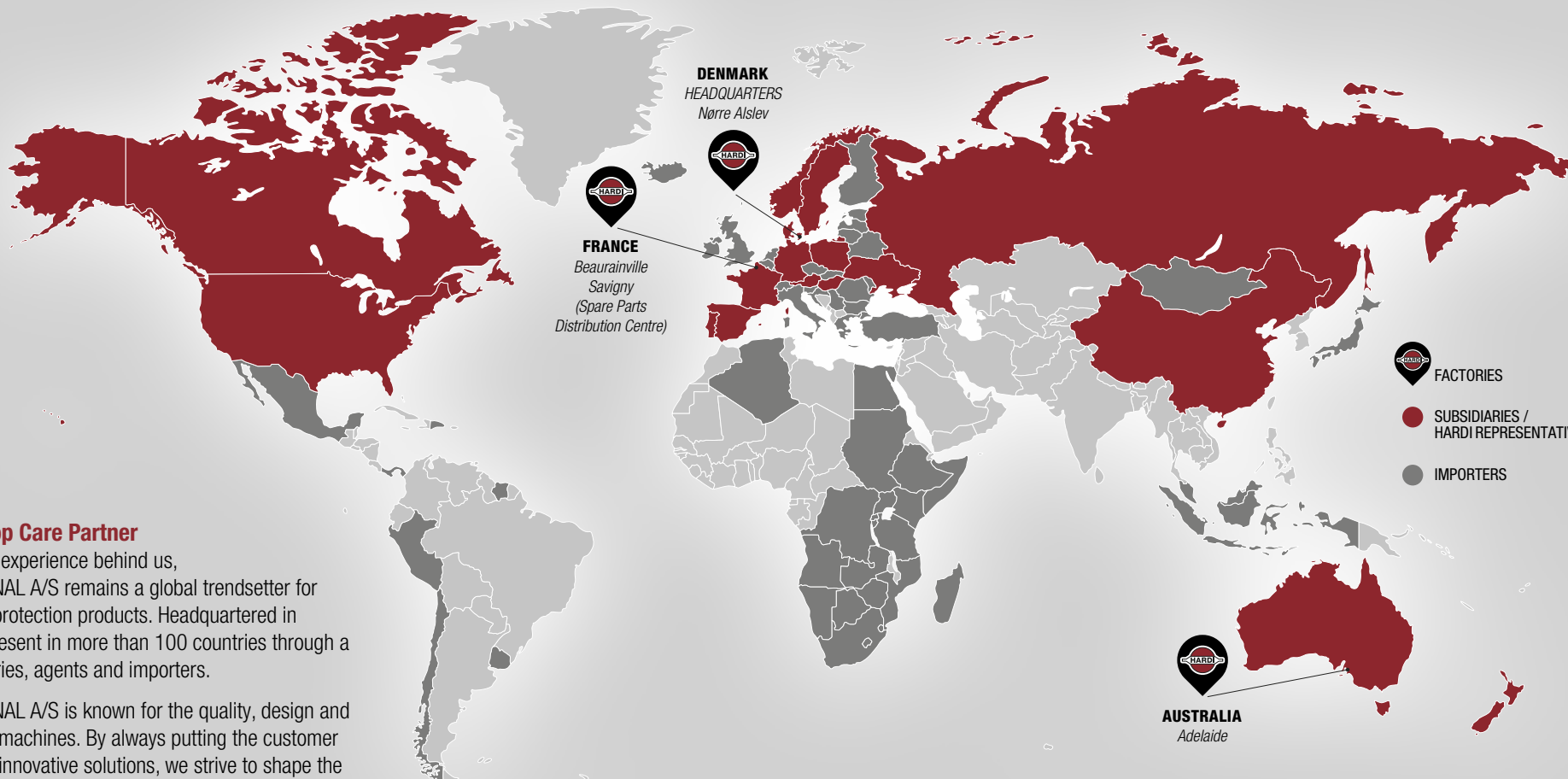
## Technical specifications

Tank, litres	6500 L / 9000 L	Track width	3 to 4 m hydraulic adjustment
Pump, type	HARDI / Ace 650 run-dry centrifugal	Turning circle (m)	17.88 m
Paragon Aluminium Boom	36.5 m / 48.5 m / 54.5 m	Weight empty, 48.5 m	15,670kg
Control Type	TOPCON X35	Weight full, 48.5 m	26,400 kg with 1,000L diesel + 630L rinse
Section distribution standard	All booms with standard 14 sections	Total length (m) A	10.2m - 36.5 m boom, 12.3 m - 48.5 m
Rinse tank, litres.	630 litres	Total height (m) B	4.2 m
Engine	9000 Cummins® QSL 9 Tier 3A 370 Hp (276 kW) 6500 Cummins® Tier 3A 330 Hp (246 kW)	Width with boom folded (m) C	3.68 m
Fuel Tank	1000 litres	Track width, adjustment (m) D	3 to 4 m
Transmission	Sauer-Danfoss H1	Wheel base (m) E	4.6 m
Hydraulic oil	200 litres	Under axle clearance (m) F	1.85 m
Suspension	OverRide Airbag + hydraulic Koni's	Wheels/Tires	480/70/R54 (9000), 480/95 R54 (6500)
Steering	2 wheel	Brakes	4 wheel dynamic

## Standard features:

- ▶ 6500 / 9000 l capacity
- ▶ 630 l rinse tank & rinse nozzles
- ▶ Paragon Aluminium 36.5 m boom
- ▶ 14 section boom distribution
- ▶ Boom recirculation system
- ▶ Boom line filters
- ▶ Solenoid end nozzles
- ▶ 330 or 370 hp Cummins engine
- ▶ 4WD hydrostatic transmission
- ▶ Cruise control
- ▶ 2 wheel steer
- ▶ 3 m to 4 m hydraulic track width
- ▶ OverRide Air bag suspension
- ▶ 1.8 m under axle clearance
- ▶ Mudguards
- ▶ TOPCON X35 controller with AutoSection Control
- ▶ Electronic tank gauge sensor
- ▶ Reversing camera
- ▶ Ground control
- ▶ Dual ladder and platform
- ▶ Climate control
- ▶ Radio VDO: earth cable, speakers and aerial installed
- ▶ 650 L/min WetSeal run-dry centrifugal pump
- ▶ 60 L Chemical Hopper Induction
- ▶ TurboFiller induction
- ▶ Chem probe
- ▶ Fast fill





### HARDI – Your Crop Care Partner

With over 60 years' experience behind us, HARDI INTERNATIONAL A/S remains a global trendsetter for application of crop protection products. Headquartered in Denmark, we are present in more than 100 countries through a network of subsidiaries, agents and importers.

HARDI INTERNATIONAL A/S is known for the quality, design and performance of our machines. By always putting the customer at the centre of our innovative solutions, we strive to shape the future in plant protection. Our increasingly intelligent products are capable of delivering exact doses and targeted applications with minimal drift and waste – to the benefit of the farmer and the environment.

We believe in a future where our products will be able to take care of plants one by one.



Your Crop Care Partner

## HARDI INTERNATIONAL A/S

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