

# Power efficiency

Comfort and design



**PRESIDIO**  
**2700**

## PRESIDIO

The PRESIDIO delivers class leading field performance and flotation.

The 2700 l main and 260 l flush tanks are integrated into the chassis providing low centre of gravity and excellent weight distribution.

EAGLE booms from 24 to 30 m with wing tilt produce high work rates and make spraying fast and efficient.

4WD, 3-speed hydrostatic transmission with cruise control is standard and is powered by Deutz 6 cylinder 129.4 kW (173 hp) engine.

Built for demanding service, PRESIDIO optimises design strength and weight distribution.

Air bag suspension provides superb comfort and ride and offers excellent crop clearance.

HARDI fluid system from tank to nozzle delivers precision application to the target every time.

It is ideally suited to rowcrop and smaller broad acre farming applications.



### Specifications

Main tank:	2700 l
Engine:	Deutz 6 cylinder 129.4 kW (173 hp)
Transmission:	4WD hydrostatic
Boom:	Eagle 24 to 30 m
Chassis:	Heavy-duty
Clearance	1.25 m
Track width	2-2.5 m or 2.5-3 m
Control:	HC 6500
Fluid system	SmartValve manifold
Pump	680 l/m run-dry centrifugal



## PRESIDIO cab

For long spraying days and nights the PRESIDIO 4-pillar cab is operator friendly, comfortable and quiet.

Tinted safety glass with pull down sun visor minimises glare whereas the slim corner posts allow excellent visibility.

The field of view to the boom and to the front wheels is excellent. Entering rows, spraying and maintaining accurate boom height has never been easier.

The forward sloping bonnet enhances the field of view to the road in transport, and adjustable electric rear view mirrors are standard.

Climate control air conditioning is set-and-forget, delivering operator comfort in hot or cold conditions.

The work platform provides easy entry to the cabin through the rear left-side cab door and offers excellent access to the tank.



### Cab

With an unobstructed view, the PRESIDIO cab gives operators excellent visibility in all directions.

It has a generous proportion relative to the overall size of the machine, with good comfort and low noise level.

The rear cab door provides easy entry and excellent access to the platform and tank.



### Climate control and sound system

A fully integrated climate control air conditioning system provides set-and-forget cab comfort.

A combination dust and charcoal filter protects the operator.

Bluetooth compatible radio with 4 speakers is standard.

## Operator efficiency

The cab is well-appointed and offers efficient space to operate this level of self-propelled sprayer.

Whether driving or spraying, the layout and location of controls is user friendly.

Six air outlets in the ceiling lining direct climatically controlled air throughout the cab to maintain cab comfort.

A radio mp3 player with speakers positioned in the four quarters of the ceiling lining delivers quality sound. The system includes USB, SD card slots and is Bluetooth compatible.

The overhead console houses the light and wiper switch controls.

The right side window panel opens wide to provide external access to the right side of the sprayer.

The steering console pivots in two places to provide the most comfortable driving position. The engine management monitor and engine warning lights are integrated into the console.



### Driver's seat

The PRESIDIO driver's seat is made from high quality materials for the best comfort, allowing many hours of fatigue-free spraying,

The seat has airbag suspension and offers height, swivel, back and leg adjustment.

*A storage compartment is built into the seat mounting base.*



### Auxilliary control console

Secondary control switches for lighting and windscreen wiper functions are grouped on the console just above the operator's head, along with the electrically operated external rear vision mirrors.

*Air conditioner outlets are located throughout the cab.*

## Application control

Spraying is easy with all the operational and application controls at your fingertips.

On the driver's seat console is the forward reverse hydrostatic control joystick.

On-the-go 3 speed range selector, engine rpm dial and cruise control work together to provide a smooth and accurate forward speed.

Engine rpm can be stored in memory and set at the press of a button.

A foot brake alongside a foot accelerator allows the PRESIDIO to accelerate and stop like a conventional vehicle.

The in-cab HC 6500 application controller platform provides the highest level of performance and application precision. Function and rate control are at your fingertips.

Optional HC 8500 or HC 9500, *right*, all-in-one terminal control rate, AutoHeight, AutoSectionControl, guidance and much more.



### Boom fold control

Operational and application control at your fingertips.

The SetBox folds the booms, adjusts the pressure manually and engages auto rate control.



### HC 9500 controller option

12.1" touchscreen spray controller delivers the highest level of performance and application precision.

The complete integration of all information on one intuitive touchscreen provides the operator with the options of Guidance, Rate Control, AutoSteer, AutoHeight, AutoSectionControl, spray records, field notes and variable rate application.

## Mixing, filling and transfer

Loading is fast, efficient and easy. The controls are within easy reach and are logically placed in the WorkZone.

Two colour-coded SmartValves operate the primary filling, spraying and cleaning functions.

Fast, high-capacity filling is done through two 2-inch camlock couplings, one to the main tank and the other one to the RinseTank. Main tank has a filtered inlet.

Loading chemicals is safe and easy via a high capacity TurboFiller that is lowered to provide suitable access.

The TurboDeflector in the bottom of the TurboFiller creates a powerful liquid vortex which thoroughly mixes the chemical into a solution before it is transferred.

The HARDI fluid system is fully integrated with U-pin, O-ring sealed manifold valves and is driven by the 680 l/m WetSeal run-dry centrifugal pump.



### Fluid system

The PRESIDIO manifold fluid system is powered by a 680 l/m WetSeal run-dry centrifugal pump and is controlled through colour-coded SmartValves for safe, easy operation.

The tank drain is manually operated by a ball valve.



### TurboFiller

Lowering the TurboFiller into the operating position is made easy with a spring-loaded drop down bracket that automatically locks for transport.

The TurboDeflector in the bottom of the TurboFiller creates a powerful liquid vortex for thorough mixing. A rinse nozzle is located there to clean out containers.



## Spray and rinse

The 2700 l capacity main tank and 260 l RinseTank are fully integrated into the chassis to provide optimum weight distribution, the lowest centre of gravity and a deep sump for complete emptying.

The tank shape allows effective agitation as there are no sedimentation traps.

The 260 l RinseTank is centrally positioned just behind the cab and has minimal effect on the weight distribution whether full or empty.

RinseTank nozzles easily reach all surfaces for flushing between fills and in the field.

The fluid system is easily accessed, easy to understand and easy to use. Access to the tank is from the same platform as the entrance to the cab.

Charging the fluid system, spraying and cleaning is fast and efficient.

CleanWater tank for personal hygiene is standard.



### SmartValve

This area has all the primary functions needed to operate the sprayer. Everything is located within easy reach of the operator in a simple and logical way.

Filling and cleaning is controlled by two colour coded SmartValves.

Agitation is controlled through a graduated throttle valve.



### RinseTank

A 260 l RinseTank is integrated into the main tank and chassis, providing adequate water for rinsing the sprayer tank and boom. RinseTank nozzles easily reach all surfaces for flushing between fills and in the field.

## EAGLE boom

The EAGLE boom is renowned in broad acre and row crop applications, offering unequalled performance in rough conditions.

Available in sizes from 24 to 30 m, EAGLE is a strong two-dimension truss construction supported by fast acting ParaLift boom height control.

Individual wing tilt is standard for tilting the boom wing on headlands, over obstacles and to keep the boom out of harm's way.

A non-directional spring loaded break-away system protects the boom from damage.

Boom flush taps are standard.



### Effortless hydraulic ParaLift

A wide ParaLift gives fast effortless boom height control to 2.2 m with excellent boom stability.



### EAGLE wing fold

The wing sections are a robust two dimensional construction. Hydraulic cylinders near the centre fold the inner wings and simultaneously fold the outer wings by cable.



## EAGLE performance

The exceptional boom performance is based on the inertia trapeze suspension and anti-yaw dampening which delivers unmatched stability through cornering and headlands.

The smooth ride comes down to a combination of the dynamically linked coil spring centre and airbag suspension on the PRESIDIO.

The coil spring suspension absorbs shock transmitted to the boom from driving over normal field condition.

All the nozzles are well protected behind the boom structure and can be adjusted to suit the nozzle tip length.

The gull wing boom unfold and fold is uncomplicated, fast and efficient.



## 4WD and cruise

PRESIDIO has a 129.4 kW (173 hp) 6 cylinder Deutz TCD2012 engine which delivers excellent power-to-weight ratio. It is turbo charged, water cooled, has common rail fuel injection and is TIER 3 compliant.

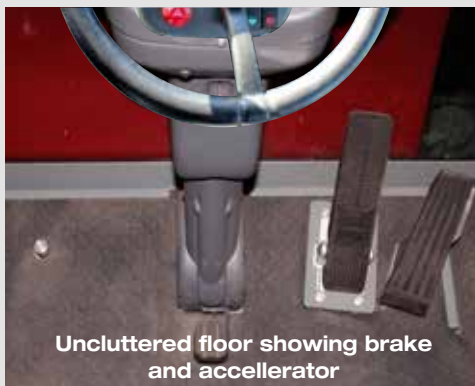
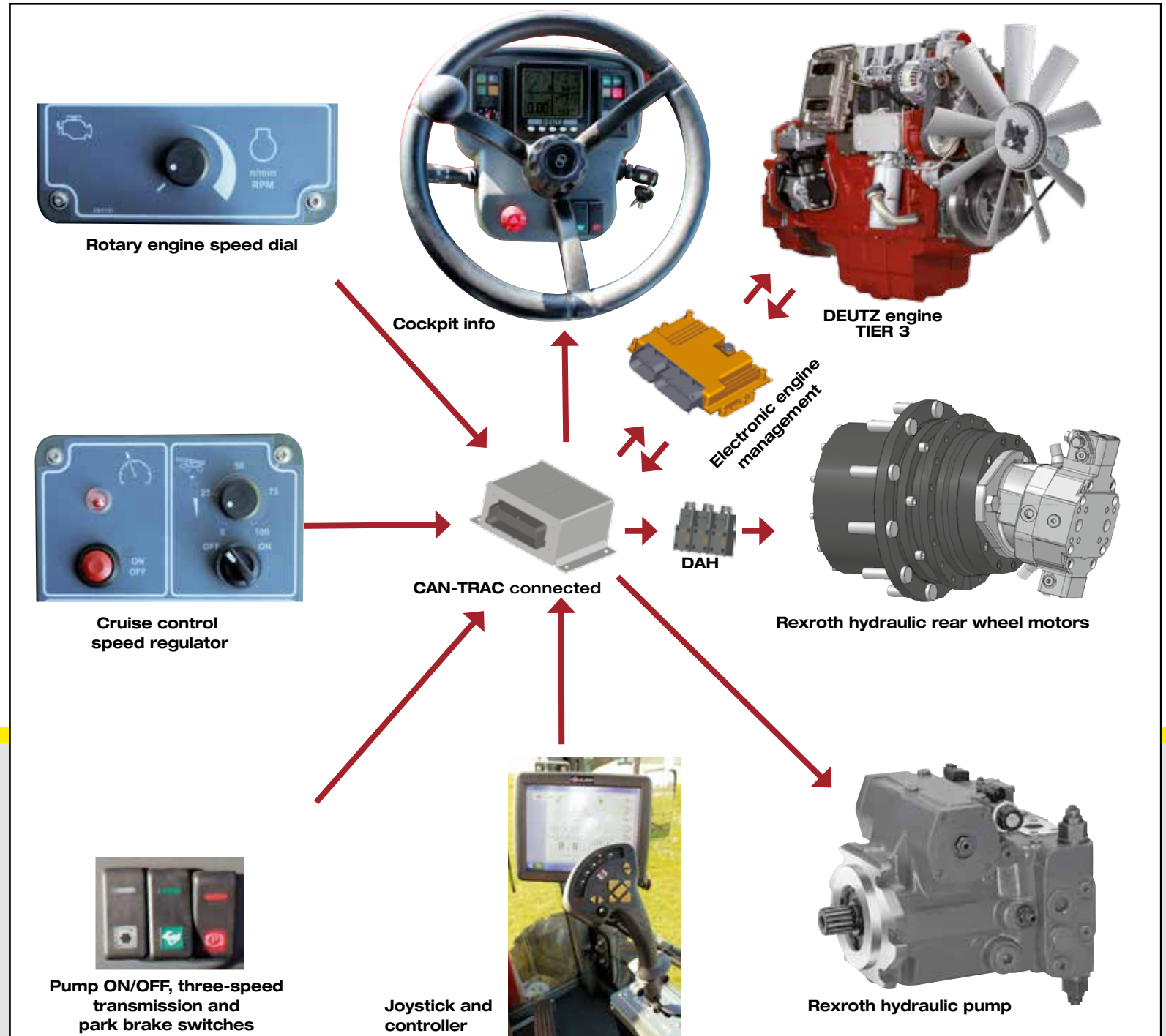
4WD, 3-speed hydrostatic transmission with cruise control is standard. The engine, transmission and cruise combine to provide power, efficiency and smooth control of forward speed.

Electronic control of the hydrostatic transmission and diff lock optimises performance, increasing driving comfort and improving fuel savings.

Speed and direction of travel is managed by the joystick manipulator or cruise control regulator which allows the operator to concentrate on the application.

Engine info is centrally located, includes a wide variety of operator chosen data with audible warning alert.

Diesel fuel tank capacity is 310 l, providing easily a day's fuel efficiency.



## The ride

PRESIDIO gives outstanding operator comfort and ride.

To protect the sprayer and provide a smooth ride which enhances boom performance, the PRESIDIO is equipped with compact front and rear airbag suspension and hydraulic shock absorber dampening.

The rear axle oscillates to maintain traction on all 4 driving wheels.

PRESIDIO ground clearance is standard at 125 cm and is optional to 150 cm.

Mechanical track width adjustment is available in a choice of two axle options - 2 to 2.5 m and 2.5 to 3 m.

Optional mudguards give added benefit to keep the machine clean.



### Wheels and tyres

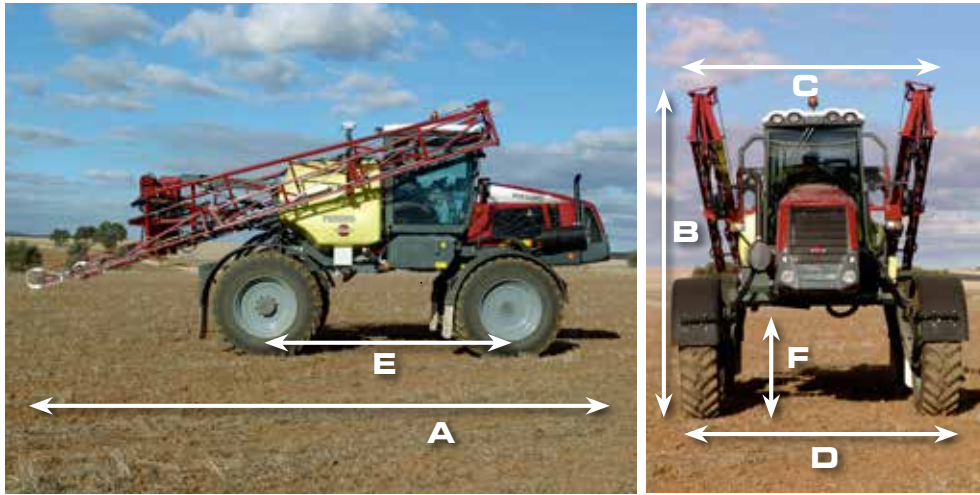
The load carrying performance of the PRESIDIO tyres have been selected to provide the best ride and flotation characteristics while minimising crop damage.

Adjustable axle options from 2 to 2.5 m or 2.5 to 3 m.



### Suspension

The compact airbag axle suspension elements carry the load while hydraulic shock absorbers dampen the ride. The suspension is ideally suited to different load ratings, providing the PRESIDIO with a low centre of gravity and enhanced boom stability.



### Standard features

4WD Hydrostatic transmission  
 Cruise control  
 Airbag suspension  
 HC 6500 rate control  
 SprayCentre control  
 SmartValve fluid system  
 25 l TurboFiller  
 2 inch FastFill - filtered on main tank  
 Boom section and pressure regulation  
 EAGLE boom, wing tilt and flush taps  
 Climate control  
 Bluetooth sound system  
 Electric mirrors

### Options available

Boom prime  
 Boom line filters  
 Solenoid end nozzles  
 OnTrac 2+ steering  
 HC 8500 all-in-one touchscreen controller with ASC  
 HC 9500 all-in-one touchscreen controller with ASC  
 Mudguards and mud flaps  
 Boom end guards

### Technical Specifications:

<b>Tank, litres brutto</b>	<b>2700</b>
Pump, type	WetSeal run-dry centrifugal
Pump capacity, l/min	680
Booms EAGLE, m	24, 28, 30
Section distribution standard	5 section
Airbag suspension, standard	Airbag hydraulic shock absorbers
Weight (tank empty), kg	7700
Total length, m	A 8.85
Total height, m	B 3.65
Width with boom folded, m	C 3.36
Track width, adjust options (fixed), m	D 2-2.5 or 2.5-3
Wheel base, m	E 3.81
Under axle clearance, m	F 1.25
RinseTank, l	260
Wheels/Tyres	380/90 R46
Brakes	Dynamic
Engine	Deutz 6 cylinder 129.4 kW (173 hp)
Transmission	3 speed hydrostatic, cruise control
Steering	2-wheel
Turning circle (curb to curb), m	(2.2 track width) 13.5

### Tyre options:

	2700	Track
Standard	480/80 R38	Not for 2 m
Options available	270/80 R48	
	320/90 R46	
	380/90 R46	

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**The Sprayer**