



PRESIDIO
2700

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Introducing a new generation self-propelled sprayer that is rugged, class-leading and delivers the accuracy and uniformity that is fundamental to good spraying.

PRESIDIO is built for demanding conditions, with optimised design strength and weight distribution. With 2700 litre capacity, it is available in boom widths from 24 to 30m for class leading field performance and flotation. The main and flush tanks are integrated into the chassis, providing low centre of gravity and excellent weight distribution.

HARDI OnRate fluid system with on-board chemical loading delivers precision application every time, while the air-bag suspension provides superb comfort and ride.

With crop clearance of 1.25m on configurable track width of 2.0 - 2.5m or 1.5m on 2.6 - 3m track width, PRESIDIO is the ideal choice for row-crop and broad acre farming applications.

From exceptional to outstanding

Truly optimised spraying results come from combining the best sprayer with the best technology – and the best boom.

PRESIDIO is a perfect partner for the POMMIER TR4 aluminium boom.

Aluminium construction means wider booms weigh less, and POMMIER'S world-leading designs are incredibly strong and robust.

Choose a TR4 in widths from 24 to 30m and see what really outstanding spraying looks like.



Specifications

Main tank:	2700 litres
Engine:	Deutz 6 cylinder 129.4kW
Transmission:	4WD hydrostatic
Boom:	TR4 or EAGLE 24 to 30m
Chassis:	Heavy duty
Clearance & Track width	1.25m on 2.0 - 2.5m or 1.5m on 2.6 - 3m
Control:	HC 9500
Fluid system	OnRate
Pump	680L/m run-dry centrifugal



Powerful components

It's the sum of parts that makes PRESIDIO a powerful workhorse:

POMMIER TR4 24, 28 & 30m bi-fold aluminium booms deliver unwavering performance through design and construction techniques learned over 30 years.

PendEze boom centre allows the boom to remain stable while travelling across the ground and while turning on headlands.

Bosh Rexroth 4WD transmission with axial piston pump and bent axis piston motors deliver high power, economy and reliability. Intelligent electronics prevents wheel slippage for superior tractive power.

HC9500 controller is everything you need in a split screen for guidance, mapping, AutoSteer, AutoSection, application rate, variable rate, tank content, AutoHeight, spray records and more.

Run-Dry Ace high performance centrifugal pump with wet seal technology protects the seal and provides consistent pressure over the entire flow range.



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 & 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.

Better booms

POMMIER TR4 is, simply, not like other booms.

The bi-fold TR4, available in 24, 28 & 30 metre widths is made from aluminium, so it's just half the weight of equivalent steel structures.

Unlike other boom structures, TR4 features four tubular profiles running in parallel, separated by triangulated connecting elements to form an exceptionally strong truss.

POMMIER uses its own profiles and material cross-sections which are larger than what would be possible with equivalent steel structures, to exploit the many benefits of aluminium.

Yaw forces created on headlands, corners and while spraying are dramatically decreased through patented yaw-dampening cylinders.

Wing tilts are equipped with nitrogen accumulators for smooth ride and performance.

You won't find a better boom on the market.



Effortless hydraulic ParaLift

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

TR4 PendEze Centre

Incorporates both pendulum and trapeze elements in the centre to effectively deal with the pitch, roll and inertia forces created on headlands, while cornering and when spraying.



Aluminium advantage

Structural stiffness and strength of the POMMIER aluminium extrusions builds in design flexibility and performance.

Aluminium is more corrosive resistant and does not require painting.

Wing tilts are nitrogen dampened to provide smooth ride.

The nozzles are spaced at 50cm and protected by the boom structure.

Steel boom

If you prefer a steel boom, you can't go past the EAGLE boom, which is renowned in broadacre and row crop applications, offering unequalled performance in rough conditions.

Available in sizes from 24 to 30 metres, EAGLE is a strong two dimensional 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 breakaway system protects the boom from damage.

Boom flush taps are standard.

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



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



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.

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

Smooth operator

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 while the slim corner posts allows excellent visibility.

Six air outlets in the ceiling lining direct climatically controlled air throughout the cab and a radio mp3 player with speakers positioned in the four quarters of the ceiling delivers quality sound. The system includes USB and 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.



In the driver's seat

The PRESIDIO driver's seat is made from high quality materials to allow many hours of comfortable, fatigue-free spraying. Airbag suspension and height, swivel, back and leg adjustment mean it can be set to suit any preference.

A storage compartment is built into the seat mounting base, and is easily accessed.



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.

Spray easy

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

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

An on-the-go three-speed range selector, engine-rev dial and cruise control work together to provide a smooth accurate spraying speed.

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

Accelerating and stopping during road transportation is easy, thanks to a foot brake alongside the accelerator pedal, just like a conventional vehicle.

HC 9500 all-in-one controller provides the highest level of performance and application precision, with OnRate Control, AutoHeight, AutoSectionControl, Guidance and much more.

Function and rates control are at your fingertips.



Function control

Operational and application control at your fingertips.

Folds the booms, adjusts the spray pressure, engages auto rate control, adjusts the agitation, engages the pump, turns the end nozzles on and off.



HC 9500 controller 12.1" touchscreen spray controller delivers the highest level of performance and application precision.

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

Stay on rate, no matter what

Modern precision farming practices require a powerful pre-emptive pressure based application control system.

OnRate allows you to retain the target rate through changing spraying speeds, with variable rate application and auto boom section control systems active at the same time.

OnRate monitors the pressure, pump speed and flow input using advanced algorithms. The pump speed is adjusted to deliver the system pressure needed to achieve the desired application rate.

OnRate holds the target rate whether sections are switched on or off, varying speed, changing rate or turning in or out of headlands.

The fluid system is driven by a high performance, variable speed 680 l/m wet seal run-dry centrifugal pump.



OnRate - 20 times faster

Pump pressure and flow is controlled by an infinitely variable proportional hydraulic valve which is up to 20 times faster than conventional flow meter controlled regulation systems.

The on-board computer processes input data including forward speed, target rate and active boom sections in order to manage the pump speed.



Fast and precise

The pump speed is altered with pin-point precision providing smooth, incredibly fast incremental change in pressure at the nozzle.

The proportional hydraulic valve is recalibrated when all of the nozzles are turned off and is highly accurate, smooth and incredibly fast.

Mix, fill & spray

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 through two 2 inch camlock couplings, one to the main tank and the other to the rinse tank. Main tank has a filtered inlet.

The 2700L capacity main and 260L rinse tanks 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 and the rinse tank is centrally positioned just behind the cab so it has minimal effect on the weight distribution whether it's full or empty.

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

A hand wash tank for personal hygiene is standard.



Tank rinse

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



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 and transfer. A rinse nozzle is located there to clean out containers.

4WD & Cruise

PRESIDIO has a 129.4kW 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.

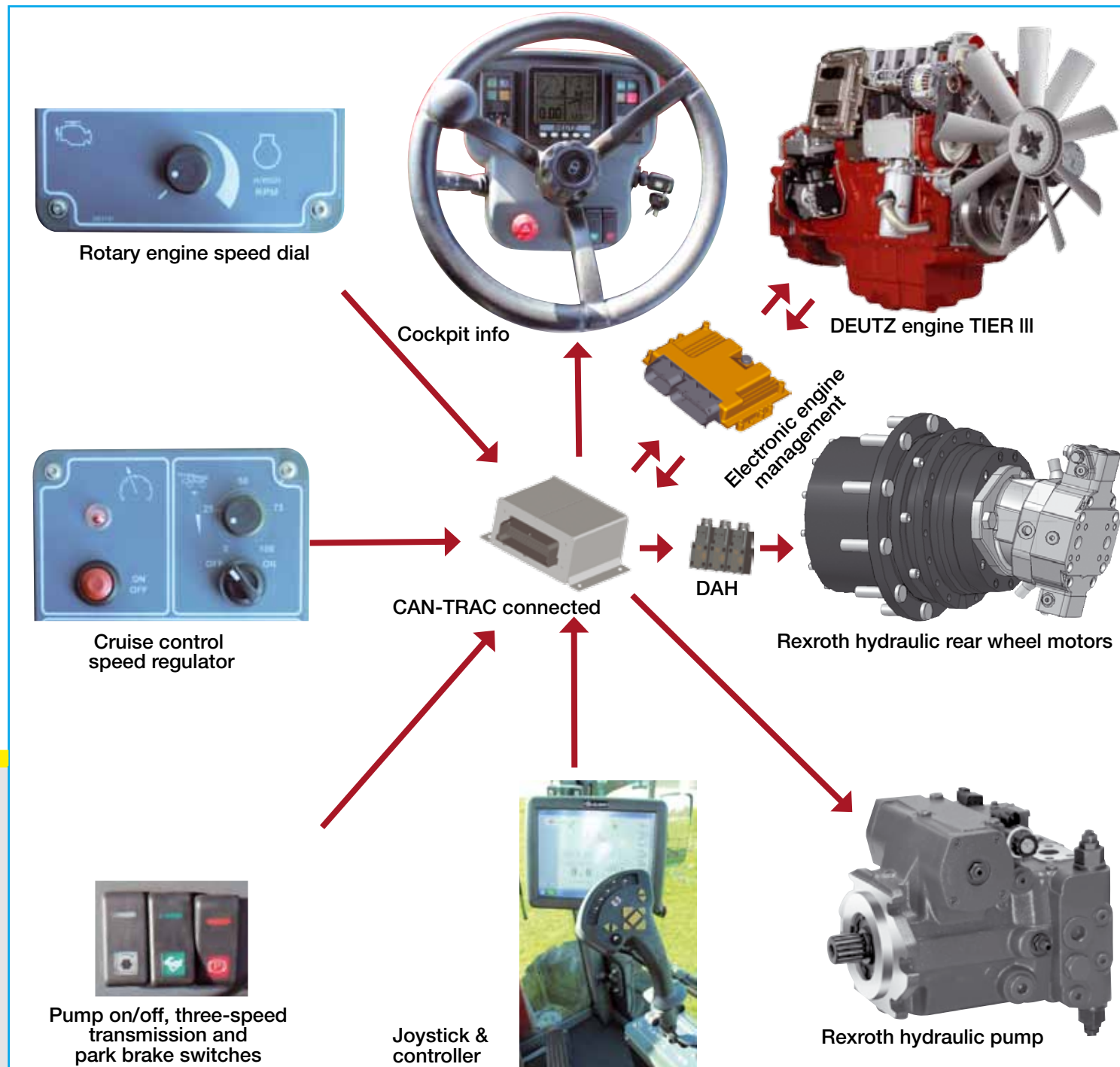
Speed and direction of travel is managed by the joystick manipulator or cruise control regulator which allows the operator to concentrate on the application.

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

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



Uncluttered floor showing brake and accelerator



The ride

PRESIDIO gives outstanding operator comfort and ride. It is equipped with compact front and rear air bag suspension and hydraulic shock absorber dampening, to protect the sprayer and provide a smooth ride which enhances boom performance. The rear axle oscillates to maintain traction on all four driving wheels.

Ground clearance is 1.25m on 2.0 to 2.5m mechanically adjustable track widths and 1.5m on 2.6 to 3m adjustable track widths.

Optional mudguards help keep the machine clean.



Wheels and tyres

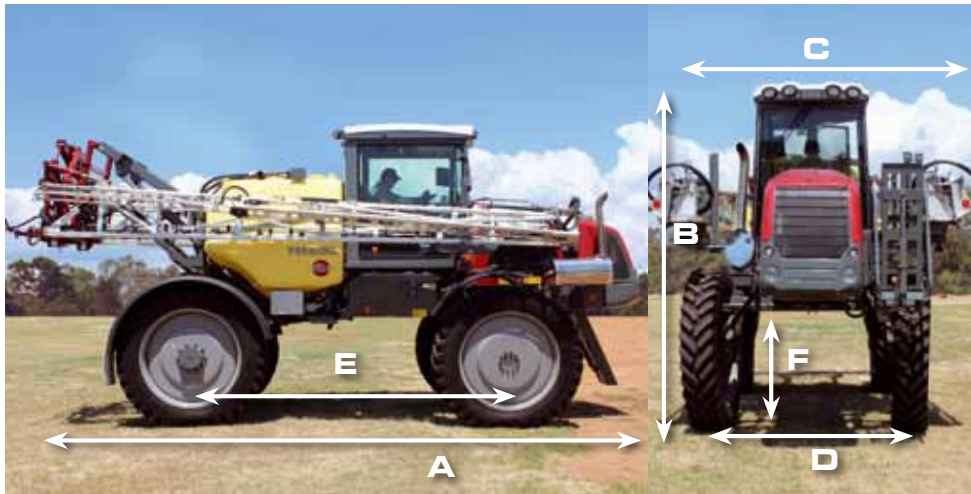
The load carrying performance of the PRESIDIO tyres have been selected to provide the best ride and flotation characteristics while minimising crop damage.

Adjustable axle options from 2 to 2.5m or 2.6 to 3m.



Suspension

The compact air bag 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

2700L main tank capacity
 260L rinse tank
 15L clean water tank
 ParaLift boom height control
 Boom wing tilt
 173.5hp (129.4kW) Deutz engine
 4WD Hydrostatic transmission
 Cruise control
 2 wheel steer
 2.0 to 2.5 track width
 Air bag suspension
 1.25m under axle clearance
 HC 8500 all-in-one touch screen
 AutoSectionControl
 OnRate pressure based rate control
 5 section EVC distribution
 SprayCentre control
 680L/m WetSeal run dry centrifugal pump
 SmartValve fluid system
 25L TurboFiller
 2 inch FastFill - filtered on main tank
 Boom section & pressure regulation
 Climate control
 Bluetooth sound system
 Electric mirrors
 Warning beacon

Options available

EAGLE boom 24, 28, 30m
 POMMIER boom 24, 28, 30m
 Boom prime
 Boom line filters
 Solenoid end nozzles
 Auto steering
 HC 9500 all-in-one touch screen controller with ASC
 Mudguards & mud flaps to suit track width and tyre equipment
 Boom end guards
 GPS receiver
 2.6 to 3m track width
 1.5m under axle clearance
 Electronic tank gauge
 AutoHeight control

Technical Specifications:

Tank, litres	2700
Pump, type- L/min	680L/m WetSeal run-dry centrifugal
Booms POMMIER or EAGLE	24, 28, 30m
Section distribution standard	5 section
Air-Bag suspension, standard	Airbag hydraulic shock absorbers
Weight (tank empty), kg	7700
Total length, m	A 8.85 with EAGLE 30m
Total height, m	B 3.65 with EAGLE 30m
Width with boom folded, m	C 3.36
Track width, adjust options (fixed)	D 2.0 to 2.5m see tyre options below 2.6 to 3m
Wheel base	E 3.81
Under axle clearance, m	F 1.25 on 2.2 to 2.5m track widths 1.5 on 2.6 to 3m track widths
Rinse tank, litres	260
Brakes	Dynamic
Engine	Deutz 6 cylinder 129.4kW
Transmission	3 speed hydrostatic, cruise control
Steering	2 wheel
Turning circle (curb to curb)	(2.2m track width) 13.5m

Tyre options:

	2700	Track
Standard	480/80 R38	from 2.2m
Options available	270/80 R48 320/90 R46 380/90 R46	for 2.0m



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