



PRESIDIO
2700

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A rugged, class-leading self-propelled sprayer that delivers the accuracy and uniformity fundamental to good spraying.

With 2700 litre capacity and boom widths from 24 to 36m, PRESIDIO is built to optimise design strength, weight distribution and flotation.

The main and flush tanks are integrated into the chassis, providing low centre of gravity and excellent stability.

A powerful pre-emptive OnRate fluid system delivers pressure based application control.

The air-bag suspension gives superb comfort and ride, protects the sprayer and enhances boom performance.

Ground clearance is 1.25m on track widths of 2.0 - 2.5m, or 1.5m on track widths of 2.6 - 3m, makes PRESIDIO ideally configurable for modern precision farming.

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



PRESIDIO is a perfect partner for POMMIER TR4 & RHA aluminium booms.

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, or RHA 36m, and see what really outstanding spraying looks like.



Main tank:	2700 litres
Engine:	Deutz 6 cylinder 129.4kW
Transmission:	4WD hydrostatic
Boom:	TR4 or EAGLE 24 to 30m RHA 36m
Chassis:	Heavy duty
Clearance & Track width	1.25m on 2.0 - 2.5m or 1.5m on 2.6 - 3m
Control:	HC 8600, opt HC 9600
Fluid system	OnRate
Pump	680L/m run-dry centrifugal



Powerful components

Its the sum of parts that makes PRESIDIO a powerful workhorse:

POMMIER TR4 24, 28 & 30m and RHA 36m bi-fold aluminium booms deliver unwavering performance through design and construction techniques learned over 35 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.

HC8600 controller is everything you need in a split screen for guidance, mapping, AutoSteer, AutoSection, application rate, tank content, AutoHeight 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 and Access

A wide front platform provides easy entry to the cab and excellent access to the tank.

With an unobstructed view, the PRESIDIO cab gives the operator excellent all-round visibility..

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



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 aluminium TR4 and RHA boom options are simply, not like any other.

Their bi-fold TR4 24, 28 & 30 and RHA 36 metre are just half the weight of equivalent steel structures.

With proven weight reduction benefits the TR4 and RHA boom's in field performance and reliability is renowned.

Every kilogram of weight reduction on the wings significantly reduces the load and forces transferred to the centre.

Their inherent low weight, with high capacity to bear loads, make POMMIER booms up to 50% lighter and 20% stronger than steel counterparts.

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

Aluminium is more corrosive resistant and does not require painting.

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

36m RHA



30m TR4



Effortless height control

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

PendEze Centre

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



RHA aluminium centre

Unique aluminium centre saves considerable weight and makes the 36m RHA a possibility on this class of self-propelled sprayer.

Steel boom

EAGLE steel boom option is renowned in intensive farming circles for unequalled performance in rough conditions.

If you prefer a steel boom, you can't go past it!

Available in sizes from 24 to 30 metres, EAGLE is a strong two dimensional truss construction supported by fast acting paralift boom height control.

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

Individual wing tilt and 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

Exceptional boom performance comes from the inertia trapeze suspension and anti-yaw dampening system, which delivers unmatched stability through cornering and headlands.

The coil spring suspension absorbs shock transmitted to the boom while spraying.



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 boom's gull-wing unfold and fold sequence 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 8600 all-in-one controller provides the highest level of performance and application precision, with OnRate Control, AutoHeight, AutoSectionControl, Guidance and much more.

The larger optional HC 9600 is also available.

Function and rate control is at your fingertips.



Function control

Operation and application controls are at your fingertips.

Fold the boom, adjust the spray pressure, engage auto rate control, adjust the agitation, engage the pump, and turn the end nozzles on and off.



HC 9600 - optional

Touchscreen controller delivers the highest level of performance and application precision.

The complete integration of all information on one intuitive touchscreen screen provides 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 pressure change at the nozzles.

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

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 is standard.



Rinse Tank

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

HC 451, picture above, electronic tank gauge informs the user of the actual volume in the main tank.



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 used to clean out containers.

4WD & Cruise

PRESIDIO has an excellent power-to-weight ratio.

A 129.4kW 6 cylinder Deutz TCD2012 turbo charged, water cooled, engine with common rail fuel injection is Tier 3 compliant.

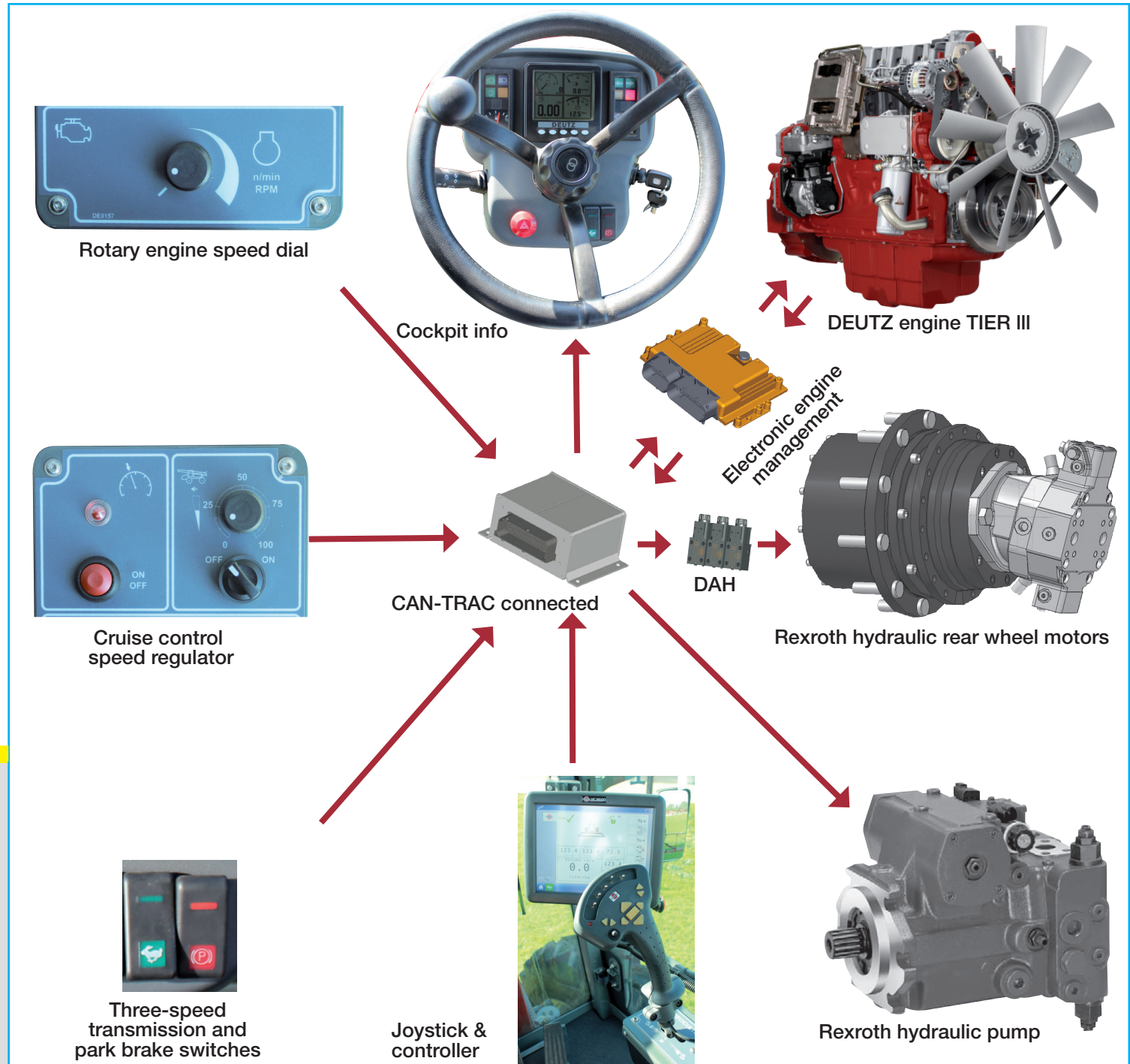
4WD, 3-speed hydrostatic transmission with cruise control is standard. The engine, transmission and cruise combine to provide power, efficiency and smooth control of forward speed.

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.



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 manually adjusted track widths of 2.0 - 2.5m, or 1.5m on track widths of 2.6 - 3m, makes PRESIDIO ideally configurable for modern precision farming.

Optional mudguards help keep the machine clean.



Wheels and tyres

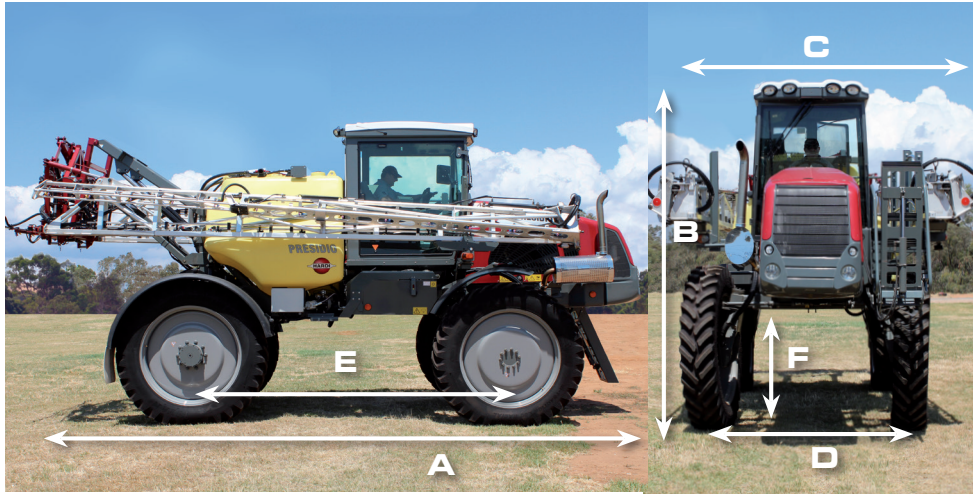
The load carrying performance of the PRESIDIO tyres have been selected to provide the best ride and flotation characteristics while minimising crop damage.

Manually 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.



Technical Specifications:

Tank, litres	2700
Pump, type- L/min	680L/m WetSeal run-dry centrifugal
Booms POMMIER TR4 or EAGLE	24, 28, 30m
POMMIER RHA	36m
Section distribution standard	5 section
Air-Bag suspension, standard	Airbag hydraulic shock absorbers
Weight (tank empty), kg	7700
Total length, m	A 8.85 EAGLE 30m. 10.85 RHA 36m
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

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 8600 all-in-one touch screen
 AutoSectionControl
 Electronic tank gauge transducer
 OnRate pressure based rate control
 5 section EFC boom distribution
 SprayCentre control
 680L/m WetSeal run dry centrifugal pump
 SmartValve fluid system
 25L TurboFiller
 2 inch FastFill - filtered on main tank
 Climate control
 Bluetooth sound system
 Roof-top warning beacon

Options available

EAGLE boom 24, 28, 30m
 POMMIER boom 24, 28, 30, 36m:
 Boom prime
 Boom line filters
 Solenoid end nozzles
 Auto steering
 HC 9600 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
 AutoHeight control
 HC451 remote electronic tank gauge

Tyre options:

	2700	Track
Standard	480/80 R38	from 2.2m
Optional	380/90 R46	for 2.0m



HARDI Australia Pty Ltd

ABN 74 076 150 617

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534—538 Cross Keys Road
 Cavan, 5094.
 South Australia
 P: (08) 8343 9999
 E: info@hardi-aus.com
 W: hardi.com.au

