



HORIZON MODEL RANGE





1973 - 2023

FOUNDED IN THE FIELD.

Sands has underlined its dedication to the future of farming and crop protection in two key ways. The first is family management continuity, ensuring that existing and potential customers can be assured of the company's commitment. Thomas Sands, Neal's son, joined the business in 2005, subsequently joining his father as a director of the business. While the first mark of dedication is in the business's people – and in addition to senior management, Sands is committed to training its employees and helping them to develop their skills. The second is in premises - over time, Sands has developed manufacturing facilities that are a match for those of any other firm in the UK self-propelled sprayer business. Now, though, plans are underway for the development of a whole new manufacturing facility close to the existing Stalham site, which is the most significant development in the business's history.



MAKING AS MUCH AS POSSIBLE IN-HOUSE

SAM sprayers are all made at our Norfolk factory, where we manufacture the vast majority of our machines from scratch. Key components such as engines, electrical equipment and tyres are sourced from trusted external suppliers, but almost everything else is made in-house. Here, we design the entire machine, from chassis to cab and tank to boom. Using the very latest technology, we cut and fold steel, we employ a team of dedicated welders to complete key components, we have a team of talented paint sprayers for the best possible finish, and expert assembly engineers who know every model of our range inside-out. With SAM sprayer you can rest assured that your machine has been built by people who care about their work and take the highest possible pride in it and what it means for your business.

samsprayers.co.uk

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OUR QUALITY STANDARDS

Whether you order from Sands our smallest and simplest machine or the largest model with full specification, we treat every customer order identically – with the utmost care and attention. Each is subject to the same high standards that have kept customers coming back to Sands for the past 50 years.

ONLY ONE LEVEL



HORIZON 3000/3500

The Horizon 3000 is the **lightest** and the most compact model in the Horizon range but still offers high spraying outputs with exceptional build quality and reliability, while the 3500 is the more intermediate model. Both models benefit from having our unique Panoramic cab. Designed in house and built in Germany this cab features the latest Category 4 filtration. Comfort, visibility, build quality and ergonomics are to the highest standard and the impressive low noise levels take operator wellbeing to the next stage.



3000 (3500) SPECIFICATIONS

Engine Tier 5 Final 6-cylinder water-cooled engine with Add Blue 160kw/214hp

Transmission Fully hydrostatic 4-wheel drive with 4-speed transmission for high field torque & high road speed Poclain wheel motors

Braking Primary hydrostatic with dynamic braking & Boosted braking on the joystick

Hydraulic Oil Tank 200 litres (High Grade HV 46)

Steering Selectable 4-wheel steer on foot pedal with auto alignment

Chassis Welded hollow steel section

Axles Telescopic axles. 68-80 Manual Adjusting Sliding Axles

Suspension Self-levelling hydro-pneumatic suspension

Cab High visibility, luxury cab with climate control, high back air seat, DAB Radio, electric & heated mirrors, Category 4 carbon filtration, 8 x LED Work Lights, LED Dip & High Beam

In-Cab Controls Steering column adjustable for height & rake. Joystick control for forward/reverse, main on/off and control of boom sections and height, and selectable 4-wheel steer. In cab control of clean water rinse tank

Spray Tank Size 3000 litres (3500 litres)

Pump Standard 5-cylinder 280l/min

Wash Tank 300 litres (external) mounted over rear axle

Filtration 2" Main suction filter with flushing pressure filter and nozzle filters

Boom Size Standard 24m 2 stage gullwing.

Sprayline Standard stainless steel 0.75in with Prime and Purge boom re-circulation. Triplet nozzle bodies c/w 3 sets of spray tips.

Section Controls Standard 7 section cut offs in 24m.

Plumbing Twin rotary valves to control self-filling, spray, wash and pump out. Stainless steel 25 litre chemical induction hopper

Application Control Ag Leader, Trimble, TopCon, John Deere etc.

Min Spray Height 0.5m

Max Spray Height 2.4m

Wheelbase 2.8m (3.2m)

Turning Circle 6m (7m)

Ground Clearance 950mm

Tyres 380/85 R30

Fuel Tank 270 litres

Max Road Speed 40 km/h

Working Weight 7.2 (7.4) tonnes

Overall Width 2.9m

Overall Length 7.67m (7.95m)

Overall Height 3.6m

OPTIONS

- Dual Ride (Hard & Soft Suspension)

- 400 l/min Twin Speed Pump

- Variable Geometry Boom (Positive & Negative)

- 5 Sensor Boom Levelling

- Duo React Bodies (4+1)

- All Nozzles Bodies Fit Within Our Boom

- All Makes Of GPS

- Various Tyre Sizes

- Mudguard Extensions

- High Level Strobe Lights

- Drawbar

- Side Mounted Mixing Hopper

- Auto-Greasing Unit

- Foot Brake

- Dribble Bar Guards

- Blue LED Boom Lights

- Mixing Hopper Light

- Full Egnos Or RTK Steering

- 2"/3" Hydraulic Fast Fill Pump

- 2" Power Fill Point

- Toolbox

- High Level Indicator Lights

- Arag Auto-Fill Shut Off

- Single/Duo Stocks Applicator

- Techneat Applicator

- Tank Storage Rack



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**SOMETHING
FOR **EVERY**
SIZE OF FARM**



HORIZON 4000

The Horizon 4000 is in the middle of our Horizon range and offers high spraying outputs with exceptional build quality and reliability. The 4000 models benefit from having our unique Panoramic cab. Designed in house and built in Germany, this cab features the latest Category 4 filtration. Comfort, visibility, build quality and ergonomics are to the highest standard and the impressive low noise levels take operator wellbeing to the next stage.



4000 SPECIFICATIONS

Engine Tier 5 Final 6-cylinder water-cooled engine with Add Blue 160kw/214hp

Transmission Fully hydrostatic 4-wheel drive with 4-speed transmission for high field torque & high road speed Poclain wheel motors

Braking Primary hydrostatic with dynamic braking & Boosted braking on the joystick

Hydraulic Oil Tank 200 litres (High Grade HV 46)

Steering Selectable 4-wheel steer on foot pedal with auto alignment

Chassis Welded hollow steel section

Axles Telescopic axles. 68-80 / 72-84 Manual Adjusting Sliding Axles

Suspension Self-levelling hydro-pneumatic suspension

Cab High visibility, luxury cab with climate control, high back air seat, DAB Radio, electric & heated mirrors, Category 4 carbon filtration, 8 x LED Work Lights, LED Dip & High Beam

In-Cab Controls Steering column adjustable for height & rake. Joystick control for forward/reverse, main on/off and control of boom sections and height, and selectable 4-wheel steer. In cab control of clean water rinse tank

Spray Tank Size 4000 litres **Pump** Standard 5-cylinder 280l/min

Wash Tank 300 litres (external) mounted over rear axle

Filtration 2" Main suction filter with flushing pressure filter and nozzle filters

Boom Size Standard 24m 2 stage gullwing.

Sprayline Standard stainless steel 0.75in with Prime and Purge boom re-circulation. Triplet nozzle bodies c/w 3 sets of spray tips.

Section Controls Standard 7 section cut offs in 24m.

Plumbing Twin rotary valves to control self-filling, spray, wash and pump out. Stainless steel 25 litre chemical induction hopper

Application Control Ag Leader, Trimble, TopCon, John Deere etc.

Min Spray Height 0.5m **Max Spray Height** 2.4m

Wheelbase 3.2m **Turning Circle** 7m

Ground Clearance 950mm **Tyres** 380/85 R34

Fuel Tank 280 litres **Max Road Speed** 50 km/h

Working Weight 7.5 tonnes **Overall Width** 2.9m

Overall Length 7.95m **Overall Height** 3.7m

OPTIONS

- Dual Ride (Hard & Soft Suspension)
- 400 l/min Twin Speed Pump
- Variable Geometry Boom (Positive & Negative)
- 5 Sensor Boom Levelling
- Duo React Bodies (4+1)
- All Nozzles Bodies Fit Within Our Boom
- All Makes Of GPS
- Various Tyre Sizes
- Mudguard Extensions
- High Level Strobe Lights
- Drawbar
- Side Mounted Mixing Hopper
- Auto-Greasing Unit
- Electronic Valve Control (E-Taps)
- Dribble Bar Guards
- Blue LED Boom Lights
- Mixing Hopper Light
- Full Egnos Or RTK Steering
- 2"/3" Hydraulic Fast Fill Pump
- 2" Power Fill Point
- Toolbox
- High Level Indicator Lights
- Arag Auto-Fill Shut Off
- Single/Duo Stocks Applicator
- Techneat Applicator
- Tank Storage Rack



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One of the reasons we know your business so well is that it's our business too. The Sands family has been involved in farming for over 125 years, and still farms today. Sands Agricultural Machinery was founded in 1973 when Neal Sands decided to build exactly the machine he wanted for his contracting business that had developed from the farming operation, and when neighbouring farmers recognised the qualities of a machine built to precisely meet requirements, they asked if he would build sprayers for them too. With farm sizes growing larger and crops requiring high clearance becoming more popular, Neal launched his manufacturing operation to the farming public at the Royal Norfolk Show in 1975, as demand began to boom for sprayers that could do more than the typical mounted and trailed machines of the time. Orders increased to the point where it was decided to establish a full-scale manufacturing operation, and the principle of building exactly what the customer requires still holds true at Sands today.



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