



CROP SPRAYERS



Sands Agricultural Machinery Ltd

have been involved in the application of agrochemicals since the 1960s and have been designing and building self-propelled crop sprayers since 1975. This has given the Company a wealth of knowledge and experience that enables them to produce high specification machines to satisfy the demands of today's farmers and growers.

The latest Horizon range of self-propelled crop sprayers has been designed to offer maximum in-field performance with the highest level of operator comfort. Available in five model sizes, these technically advanced sprayers have been developed in house by Sands and have incorporated numerous 'operator' led features. This has made the Horizon a true drivers' machine, with the impressive cab layout allowing for long days spraying without excessive fatigue.

All the components used in manufacture have been carefully selected for quality, reliability and durability to ensure minimum downtime and maximum output.



“
In upgrading our sprayer we found that the Sands offered the better package given the wet spring. It has performed over expectation with a light footprint, tighter turning enabling us to travel when others have been struggling

Sam Stephenson,
Wandale Farm, Yorkshire.

”

Horizon 3000 Options

- Global Positioning System (GPS)
- Electric or Hydraulic Steering Kits
- Boom Levelling
- Sands VG Boom Upgrade
- Twin Lines (Duo-React 4+1)
- 2" Hydraulic Fast Fill Pump
- 2" Fast Fill Port
- 400 lpm Pump Upgrade (Dual Speed)
- Simple Infill Water System
- Blue Boom Lights & Mixing Hopper Light
- End Jets (Cab Controlled)
- High Power Pressure Washer
- Simple Washdown System
- Side Mounted 25 Litre Mixing Hopper
- Front Mounted Slug Applicators
- Dual Ride Suspension
- Automatic Headland Boom Lift
- Drawbar
- Mudguard Extensions
- Tank Rack
- Extra Strobe Lights for Road Use
- Forklift Point For Wheel Change
- Reversing Camera

Horizon 3000

Horizon 3000 Specifications

Engine:	140kw-188hp	Height:	3.65M (380/85 R30)	Spray Pump:	300 lpm Dual Speed
Fuel Tank Capacity:	280 Litres	Length:	7.74M	Boom:	12M - 24M
Drive System:	Poclairn Easy Drive System	Width:	2.9M	Spray Lines:	19mm Stainless Steel With Triplet Nozzle Bodies, Automatic Prime & Purge Re-Circulation
Brakes:	Front Dynamic Boosted Brakes	Working Weight (24M):	7.8 Tonnes (Approx)	Rowcrop Wheel Options:	380/85 R30 - 380/85 R34
Park Brake:	Rear Park Brake	Turning Circle:	6M	Flotation Wheel Options:	600/60 R28 - 600/60 R30
Emergency Foot Brake:	Optional	Axle Adjustment:	68"-80"		
Hydraulics:	Load Sense Hydraulic System	Underbelly Clearance:	970MM		
		Road Speed:	0 - 45kph		
		Tank Capacity:	3000 Litres		

Sands are major exporters of self-propelled sprayers to many parts of the globe. The map shows areas where our sprayers have been exported to, please contact us for details of our overseas representatives.



Horizon 4000



The Horizon 4000 litre capacity offers the user high in field performance without the excessive weight of other similar capacity machines. When fitted with a 24m boom unladen weight is a class leading 8.2t. This enables it to cover the ground lightly in the wetter seasons when fitted with flotation wheels. On rowcrop wheels underbelly clearance is a minimum 1000mm reducing crop damage and aiding visibility in tall crops.

Horizon 4000E



Front dynamic brakes are a standard feature giving improved stopping performance on the road and extra security when working in steep fields.

The 'E' variant with its low overall height is especially suitable for those working on extreme slopes. When fitted with the optional 'Smart Drive Traction Control' the 'E' is probably the most stable and safest machine for tackling the worst of conditions.

Horizon 5500



The largest capacity Horizon boasts a payload of 6000 litres. Powered by the Deutz TCD 6.1 engine (242hp) and now driving through the larger Poclain motors the 6000 is capable of extremely high outputs.

As befits a machine of this capacity full dynamic braking on all wheels is standard, together with the Premier Plus Drive system which automatically changes wheel motor displacements as speed increases. An in-field cruise control function is a standard feature ensuring a more constant spraying speed and thus a more uniform spray quality.

Horizon 6000



Specifications

Horizon	4000	4000E	5500	6000
Engine:	160kw-214hp	160kw-214hp	180kw-242hp	180kw-242hp
Fuel Tank Capacity:	280 Litres	280 Litres	280 Litres	280 Litres
Drive System:	Poclain Easy Drive System	Poclain Easy Drive System	Poclain Easy Drive System with Cruise Control	Poclain Easy Drive System with Cruise Control
Brakes:	Front Dynamic Boosted Brakes	Front Dynamic Boosted Brakes	Dynamic Brakes on all 4 Wheels	Dynamic Brakes on all 4 Wheels
Park Brake:	Front Park Brake	Front Park Brake	Front Park Brake	Front Park Brake
Emergency Foot Brake:	Standard	Standard	Standard	Standard
Hydraulics:	Load Sense Hydraulic System	Load Sense Hydraulic System	Load Sense Hydraulic System	Load Sense Hydraulic System
Height:	3.75M (380/85 R34)	3.75M (380/85 R34)	3.9M (420/85 R34)	3.9M (420/85 R34)
Length:	7.25M	8.5M	8.5M	8.5M
Width:	2.9M	2.9M	2.9M	2.9M
Working Weight (24M):	8.2 Tonnes (Approx)	8.4 Tonnes (Approx)	8.7 Tonnes (Approx)	8.8 Tonnes (Approx)
Turning Circle:	7M	8.5M	8.5M	8.5M
Axle Adjustment:	68"-80" & 72"-84"	68"-80" & 72"-84"	68"-80" & 72"-84"	68"-80" & 72"-84"
Underbelly Clearance:	1.02M (380/85 R34)	1.02M (380/85 R34)	1.07M (420/85 R34)	1.07M (420/85 R34)
Road Speed:	0 - 45kph	0 - 45kph	0 - 45kph	0 - 45kph
Tank Capacity:	4000 Litres	4000 Litres	5500 Litres	6000 Litres
Spray Pump:	300 lpm Dual Speed	300 lpm Dual Speed	300 lpm Dual Speed	300 lpm Dual Speed
Boom:	12M - 40M	12M - 40M	12M - 40M	12M - 40M
Spray Lines:	19mm Stainless Steel With Triplet Nozzle Bodies, Automatic Prime & Purge Re-Circulation			
Rowcrop Wheel Options:	380/85 R34 - 420/85 R34	380/85 R34 - 420/85 R34	380/85 R34 (24m) - 420/85 R34	420/85 R34
Flotation Wheel Options:	600/60 R30 - 600/60 R34 - 710/55 R30	600/60 R30 - 600/60 R34 - 710/55 R30	600/60 R34 - 710/55 R30	600/60 R34 - 710/55 R30



“ We are highly delighted with every aspect of our Sands Horizon 5500, from the comfortable, ergonomic cab and the efficiencies afforded by a high capacity machine to the knowledge that, if required, we will get rapid, knowledgeable back up from the team in Norfolk. A truly fantastic all round package! ”

David Ulyott,
Bapton Manor Farm Ltd, Wiltshire

Cab

The all new range of Horizon high performance sprayers majors on operator comfort, quality and reliability.

Featuring an all new 'sprayer specific' panoramic cab with category 4 filtration, the Horizon is capable of allowing the operator to achieve high daily outputs with the minimum of fatigue. Designed from the outset to offer the highest levels of comfort, ease of use and visibility together with class leading low noise levels. The result is the ultimate for a self-propelled sprayer.

The use of twin curved rear screens with a central support has removed the corner pillars giving an unimpeded view to the booms. An all new armrest console and joystick together with tactile and illuminated electric switches and spool controls has been ergonomically designed for ease of use.



Standard features

- Permanent hydrostatic four wheel drive
- Intelligent four wheel steer
- Single hydrostatic drive pump with torque split capability
- Full hydraulic suspension with Dual Ride option
- 24m gullwing boom (booms up to 40m are available)
- Single sprayline with triplet nozzles and prime and purge re-circulation
- Clean water rinse tank
- Stainless steel induction hopper with can wash and rinse ring
- Hand wash and clothing locker

- Extra storage boxes either side
 - Air take off point
- Panoramic Category 4 Cab Standard Features - Internal and External**
- Twin amber beacons
 - Electric adjustable and heated mirrors
 - HID work lights front and rear 4 + 4
 - Auto rate controller
 - Indicators on joystick when in road mode
 - Digital climate control
 - Rear view camera

- Removable fridge unit
- Grammer, high back air seat with electronic lumbar support
- Training seat
- Electric joystick with illuminated buttons indicating main on/off and sections selected
- Wide opening full glass door
- Sunblinds front and rear
- Bluetooth DAB radio/CD with USB connection
- Underseat storage
- Easy access to cab filter
- USB charging point

Options

- Global Positioning System (GPS)
- Electric Or Hydraulic Steering Kits
- Boom Levelling
- Sands VG Boom Upgrade
- All Boom Sizes
- Twin Lines (Duo-React 4+1)
- 2" Hydraulic Fast Fill Pump
- 3" Hydraulic Fast Fill Pump
- 2" Fast Fill Port
- 400 lpm Pump Upgrade (Dual Speed)

- Simple Infill Water System
- Electric Water System (2" OR 3")
- Blue Boom Lights & M. Hopper Light
- End Jets (Cab Controlled)
- High Power Pressure Washer
- Simple Washdown System
- Side Mounted 25 Litre or 50 Litre Mixing Hopper
- Front Mounted Slug Applicators
- Dual Ride Suspension

- Automatic Headland Boom Lift
- Drawbar
- Mudguard Extensions
- Tank Rack
- Extra Strobe Lights for Road Use
- Smart Drive Traction Control System
- Forklift Point For Wheel Change
- Hydraulic Sliding Axles (68"-84")
- Hydraulic Sliding Axles (72"-108")
- Electric "e" Taps

Our promise
to you...

A traditional family business providing a
complete design and build service



Customer meeting



CAD Design



Built to specification

“
We have been dealing with Sands for nearly 30 years and they sure know how to look after us in Scotland! The Horizon model has taken our farm to another level with precision spraying and just loves eating up our very steep hills.
”
Haig Hamilton,
J Haig Hamilton & Sons,
Scotland

“
Just finished an 18 hour stretch on the Sands 36 mtr Horizon and I can honestly say if I didn't need to sleep, I could carry on and do another 18 hours. Cracking machine, a joy to operate.
”

Scott Harrod
E.G. Harrison, Norfolk



After care - servicing



Delivered to you



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