

# SPIRIT

**BUILT TO PERFORM.  
DESIGNED BY YOU.**

- Simple Operation
- Ultra Low Weight
- Advanced Technology
- 3000L Capacity



**HOUSEHAM**  
*Advanced Sprayers. Healthier Crops*



# SPIRIT

## EASY DOES IT.

**The Spirit has been our versatile, popular, entry-level sprayer for many years. Our latest model is our best yet.**

Designed to be a simple-to-operate, low-weight, self-propelled machine for a wide range of uses. The Spirit offers a 3000-litre capacity tank and precision nozzle control to maximise productivity. The latest generation provides a more premium experience thanks to features such as the CLAAS Jaguar Cab and Bosch Rexroth wheel motors.

Minimal soil compaction is achieved by an unladen weight that starts from just 6000kg, a low-weight optimised chassis, rear-mounted engine and 50/50 weight distribution whether the spray tank is full or empty.

### KEY FEATURES

- ◆ Spray tank capacity 3000 litres
- ◆ Dry weight from 6000kg
- ◆ Total Machine Control (TMC) with integrated NavGuide GPS mapping system
- ◆ 13/24 or 14/28 twin-fold booms
- ◆ MTU 4R1000 170hp 4 cylinder stage V engine (230hp engine also available)
- ◆ 250 litre fuel tank
- ◆ 0.9m ground clearance (up to 1.1m available)
- ◆ CLAAS Jaguar X10 cabin



# RIT



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## DESIGNED TO PERFORM.



**The Spirit is built on an advanced, single piece chassis complete with enhanced A-Frame axles both front and rear. Power comes from an MTU 4R1000 4 cylinder Stage V engine providing 170hp.**

The Spirit chassis design allows for a low centre of gravity and 50/50 weight distribution, ensuring it remains stable even on the most challenging terrain.

Precise engineering has kept the dry weight of the whole machine to just 6000kg and offers 0.9m ground clearance to minimise crop damage.

The Danfoss pump and Bosch Rexroth motors combine to provide an all-wheel-drive system ensuring outstanding traction and precise speed control.

In addition, the Spirit incorporates a range of advanced technologies designed to maximise application accuracy and productivity.



# DESIGNED FOR PRECISE CONTROL.

**The Househam-designed Total Machine Control (TMC) system integrates many functions into one simple-to-use touchscreen.**

The TMC provides complete application rate control, hydrostatic drive control, engine management and diagnostics and fault system monitoring via built-in warnings, fault detection, and automatic service reminders.

Combined with our NavGuide GPS guidance system, you benefit from exceptional field mapping accuracy, light-bar guidance and auto-section control.



# PRECISION SPRAYING TECHNOLOGY OPTIONS.

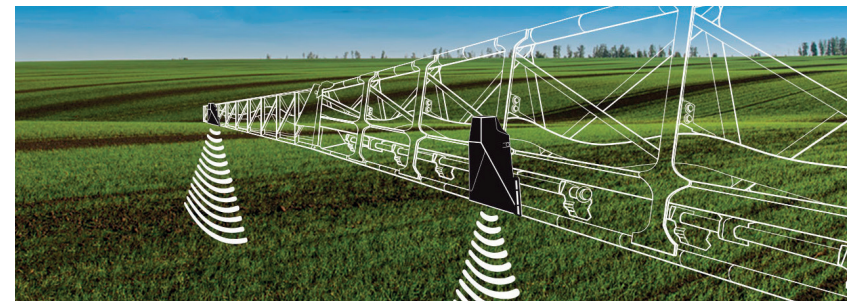
**INDIVIDUAL NOZZLE CONTROL (INC)** With Househam's own technology, you gain control over each individual nozzle. Linked with NavGuide section control, it provides maximum precision and minimal overlap.

**AUTO NOZZLE SELECT (ANS)** Househam's innovative system enables you to control the spray rate over a wide range of speeds and application rates. The system can handle either quad or twin bodies, then activates each output so that nozzles can be automatically selected according to the requested flow rate or speed. ANS can also be operated manually from the cab.

**TURN COMPENSATION** When the sprayer begins to turn, the boom tip speeds vary significantly; this is magnified by the width of the boom along with the rate of return. As the section control system monitors and controls each nozzle position and line, along with its relative forward speed, is maintained through a turn, the application rate can be increased to apply the correct dose at the right point.



**HOUSEHAM BOOM LEVELLING** Designed to maintain a constant nozzle height over the crop canopy, boom levelling technology optimises spray dispersion and efficiency while minimising drift. As a result, operators can work faster and operate in more challenging conditions, reducing the impact of wind. The system uses sensors along the boom to monitor its position multiple times a second, adjusting the boom height constantly.



# ADVANCED TECHNOLOGY, DEVELOPED BY HOUSEHAM.

**SPRAY PILOT AUTO SYSTEM** Take steering completely out of your hands using Househam's Spray Pilot system. Automatic steering means that spray can be applied accurately even without tramlines.

**AUTO TANK FILL** With Househam's Auto Tank Fill, it has become easier and safer to fill your tank. Simply input the desired volume, turn the pump on, and the TMC will do the rest.

**EFFICIENT SPRAY SYSTEM** The Spirit has been designed with minimal plumbing to keep the spray system clean with the least amount of residual chemicals left.





# DESIGNED FOR EFFICIENCY AND COMFORT.

**Long hours in the field become less demanding and more of a pleasure thanks to the comfortable and superbly appointed CLAAS Jaguar X10 Cabin.**

Spacious and fully climate controlled, the cab provides a comfortable, ergonomically designed operating environment with panoramic visibility. Features include a high back fabric air-suspended seat, fold-away buddy seat, 27-litre fridge and optional DAB radio. With enhanced operator safety in mind, Category 4 Filtration can also be fitted as an optional extra.

A class-leading ride on the road and in the field is achieved using our air ride load sensing suspension system. Even weight distribution and a low centre of gravity ensure stability whatever the terrain.





## MINIMAL SOIL COMPACTION.

### **The secret to achieving low compaction of soil is weight distribution.**

Househam engineers design each machine to be perfectly in balance. The low-weight single-piece chassis is designed to allow the weight to be evenly distributed across all four wheels. As a result, soil compaction is minimised, leading to less inhibited root development and higher yields.

320/85 R32 row crop wheels as standard and optional 600/60 R28 flotation wheels, providing a much larger footprint and enabling you to operate in challenging conditions. A low boom configuration that delivers a low centre of gravity also ensures outstanding stability when spraying. In addition, the Spirit's ground clearance of 0.9m helps to minimise crop damage.



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## TALK TO US.

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Alongside our own Product Support Team, we have a network of dealers all over the world who are there to support you any hour of the day.

To see who your closest dealer, give our Product Support Team a call.

# TECHNICAL SPECIFICATION



## EFFICIENT SPRAY SYSTEM

- ◆ 3000L GRP tank (stainless steel tanks also available)
- ◆ Additional clean water tank with approximate 10% capacity of main tank
- ◆ 13/24 or 14/28m twin-fold booms
- ◆ Fully enclosed side mounted spray system and minimal pipework
- ◆ Simple manually operated valves for spray system operations including boom flush, tank wash and rinse
- ◆ Recirculating booms for more enhanced cleaning and allows more consistent chemical mixing

## LOW SOIL COMPACTION

- ◆ From 6,000kg dry weight
- ◆ Low weight chassis with front and rear A-frame axles for optimised weight distribution and traction
- ◆ All premium wheel and tyre combinations available

## THE POWER TO PERFORM

- ◆ Efficient MTU 4R1000 Stage V 170hp 4 cylinder engine adhering to all latest emission legislation (up to 230hp optional)
- ◆ Bosch Rexroth wheel motors

## OPERATOR COMFORT

- ◆ CLAAS Jaguar X10 Cab
- ◆ Panoramic 360 degree visibility
- ◆ High back, air suspended fabric seat
- ◆ Fully integrated armrest, joystick and control panels
- ◆ 27 litre high capacity fridge
- ◆ Radio with bluetooth connectivity (Optional DAB)
- ◆ Optional Category 4 filtration

## ADVANCED SPRAYER TECHNOLOGY

- ◆ Househam's touch screen TMC V6
- ◆ NavGuide GPS mapping and light-bar guidance
- ◆ High precision spray system featuring automatic control of multiple sections up to Individual Nozzle Control (INC)
- ◆ Twin or quad line Auto Nozzle Select (ANS)
- ◆ Turn Compensation
- ◆ Automatic boom levelling via Ultrasonic sensors
- ◆ Spray Pilot hydraulically controlled automatic steering system
- ◆ Standard, Advanced and Ultra lighting packages

## CLASS LEADING RIDE ON ROAD OR FIELD

- ◆ Market leading self levelling air suspension system
- ◆ Low centre of gravity ensures stability whatever the terrain
- ◆ 0.9m ground clearance



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