



HARRIER

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

- *Precise Spray Control*
- *Low Soil Compaction* • *Advanced Technology*
- *4000-6000 Litres Capacity*



HOUSEHAM

Advanced Sprayers. Healthier Crops



HARRIER

DESIGNED BY YOU, FOR YOU.

Househam's latest generation of self-propelled sprayer.
A high standard specification with efficiency, reliability and comfort at the heart of its design.

Househam's latest generation of self-propelled sprayer is more than just a new design. It's a sprayer that's been created from the ground up in response to direct customer feedback. In fact, The Harrier is designed by you, for you. Throughout the design and development process, our expert design team has been working in close co-operation with customers. The result speaks for itself. With a high standard specification built-in, The Harrier places performance, efficiency, reliability and comfort firmly at the heart of a world-leading design.

KEY FEATURES

- | | |
|--|--|
| ◆ Spray tank capacity
4000, 5000 or 6000 litres | ◆ MTU 4R1000 228HP engine - as
standard (MTU 6R1000 240HP
engine also available) |
| ◆ Dry weight from 8500kg* | ◆ Stage V pack |
| ◆ Total Machine Control (TMC) with
integrated FieldMaster GPS mapping system | ◆ 300 litre fuel tank |
| ◆ 24-36m boom choice:
13-24m flat fold steel boom with fixed
incline and centre pivot back frame | ◆ Clean water capacity –
10% of spray tank |
| - Triple fold boom system: 28, 30, 32, 36m | ◆ 1.1m unobstructed
underbody clearance |

*Depending on machine specification





PRECISE CONTROL
Multiple functions from one simple to control touchscreen [PAGE 6](#)



MINIMAL COMPACTION
Perfect balance with outstanding machine stability [PAGE 8](#)



ADVANCED TECHNOLOGY
Innovations at the cutting edge of sprayer technology [PAGE 10](#)

DESIGNED TO PERFORM.

The Harrier is built on an advanced, single piece chassis complete with supremely robust A-frame axles both front and rear. Power comes from a MTU 41000, 4 cylinder, Stage V engine - providing 228hp – that is fully compliant with current legislation.

To supplement the advanced chassis, the 4,000 litre spray tank has been completely re-designed to incorporate minimal pipe work and a sump that enables emptying on side slopes for maximum efficiency.

In addition, The Harrier incorporates a range of advanced technologies designed to maximise application accuracy and your productivity.

Optional: These include Auto Nozzle Select (ANS), ultra sonic Boom Height Control, Spray Pilot hydraulically controlled auto-steer, HITS transmission. All part of Househam's commitment to creating and incorporating the best technology available to enhance sprayer performance in the field.



DESIGNED FOR PRECISE CONTROL.

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

Combined with FieldMaster GPS system – also designed exclusively for Househam sprayers – you benefit from exceptional field mapping accuracy, light-bar guidance and auto-section control.

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



ADVANCED TECHNOLOGY, TOTAL CONTROL OPTIONS.

HYDRAULIC INCLINE Househam engineers understand the problems you encounter in the field. Our hydraulic incline feature enables you to incline one boom while still using the other. This is an invaluable capability when you have to spray around obstacles in the field and adjust the boom for contours in the terrain.

AUTO NOZZLE SELECT Househam's innovative ANS (Auto Nozzle Select) system enables you to control the rate of spray over wide range of speeds and application rates. Multiple nozzles fitted on the same section with individual nozzles activated electronically. Nozzles can be automatically selected according to the requested flow rate or speed. The system can also be operated in manual mode and is fully controlled from the cab.

INDIVIDUAL NOZZLE CONTROL With Househam's own technology you gain control over each individual nozzles with up to 16 manual section switches. Linked with the Fieldmaster section control providing maximum precision.



NORAC 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 during night hours, making maximum use of low wind conditions. NORAC systems use sensors at the boom's centre and tips to adjust nozzle height at different sections of the boom, altering position hundreds of times per second. See NORAC boom levelling in action in our video.





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 Category 4, ROPS-approved Excalibur cab.

Spacious and fully climate controlled, the cab provides a comfortable, ergonomically designed operating environment with panoramic visibility. Features include a high back Grammer air suspension seat, fold-away buddy seat, cool box, DAB radio and CD with Bluetooth and heated electric mirrors.

A class leading ride on road or in field is achieved with the use of air ride load sensing suspension system. Even weight distribution and a low centre of gravity ensures stability whatever the terrain.

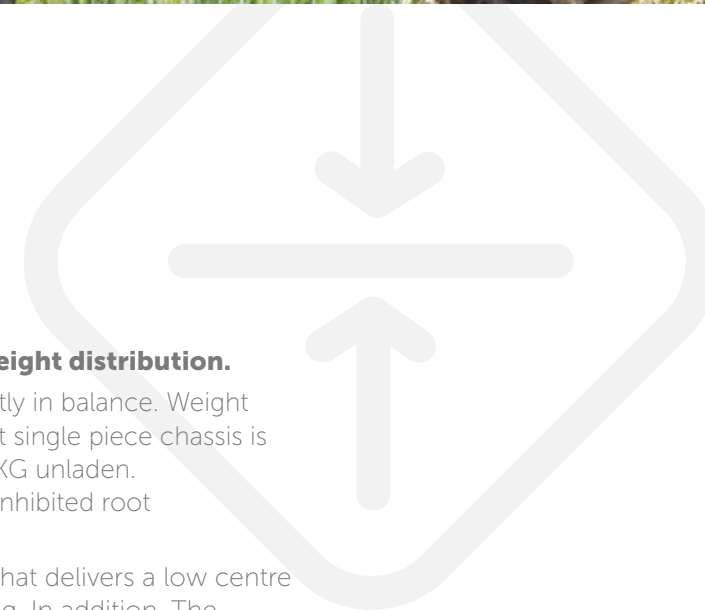


MINIMAL SOIL COMPACTION.

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

Househam engineers design each machine to be perfectly in balance. Weight is evenly distributed over all four wheels. The Low weight single piece chassis is designed for optimised weight distribution at only 8,500KG unladen. As a result, soil compaction is minimised leading to less inhibited root development and higher yields.

Large row crop wheels and a low boom configuration that delivers a low centre of gravity also ensure outstanding stability when spraying. In addition, The Harrier's generous ground clearance of 1m helps to minimise crop damage.



ADVANCED TECHNOLOGY DEVELOPED BY HOUSEHAM.

Developed by Househam maximum efficiency and operator comfort.

From the panoramic, ergonomic cab – the best in its class, to a boom system that combines versatility, technology and stability featuring recirculating booms and quick-acting air valves at the nozzle as standard, with options that include Hydraulic incline, Auto Nozzle Select (ANS) for constant and accurate application, Boom Height Control that utilises ultrasonic sensors for efficient following of contours and Spray Pilot – a hydraulically controlled system for hands free steering for ultimate accuracy and efficiency.

SPRAY PILOT Steering can be completely hands-free using Househam's Spray Pilot system. Automatic steering means that spray can be applied at the most efficient rate consistently across any field.

HITS The Househam Intelligent Transmission System helps to regulate the maximum speed both on and off road to ensure the most efficient operation of your Househam machine. See HITS in action in our video.

BOOM HEIGHT CONTROL Each Househam boom incorporates five ultrasonic sensors that constantly track the contours of the ground and automatically adjust the boom height to ensure optimal spray coverage.

HEAVY DUTY HEIGHT MAST

A close coupled, high lift height mast facilitates good weight distribution and enables booms to constantly adjust to ground conditions as part of our Boom Height Control technology.



WORLD CLASS SERVICE AND PARTS SUPPORT.

No-one knows a Househam better than Househam's team of engineers.

The team receives regular, up to date training and is able to service and carry out repairs on all makes of crop sprayers, wherever you are based in the world.

As part of our commitment to make sure your Househam delivers maximum efficiency, all the time, you can count on us to provide a rapid response so that you can keep on spraying. Fixed price servicing is available to help you to manage costs as efficiently as possible.

Our global parts operation is run from our impressive purpose-built Spare Parts Dept. at Woodhall Spa. With over 400 square metres of racking and 24,000 line items in stock, we carry a very a comprehensive range of spares not only for Househam and Spraycare machines but also generic parts for other manufacturers' models.

An experienced team of parts specialists is available to provide you with accurate advice about the parts you need. Local Dealer/Service Centres can also provide immediate help when needed.



TECHNICAL SPECIFICATION

HIGH CAPACITY SPRAY SYSTEM

- ◆ 4000 litre GRP tank (Stainless steel tank also available, up to 6000L)
- ◆ 24m twin fold boom (also available Triple Fold up to 36m) with variable geometry boom levelling
- ◆ 4m fold height compliant
- ◆ Single piece chassis with A-frame axles front and rear with fully enclosed side mounted spray system with minimum pipework

LOW SOIL COMPACTION

- ◆ From only 8,500KG unladen (on 4000L, 24m)
- ◆ Low weight single piece chassis design for optimised weight distribution
- ◆ A-frame axles front and rear

SUPERB CLEARANCE

- ◆ High clearance up to 1.1m

THE POWER TO PERFORM

- ◆ MTU 4R1000 228HP engine -as standard (MTU 6R1000 240HP engine also available) Stage V engine to adhere to emission legislation
- ◆ Road speed 40 KM/HR (50 KM/HR with HITS)
- ◆ Field speed 20 KM/HR

CLASS LEADING CONTROL ON ROAD OR FIELD

- ◆ Air ride load sensing suspension system
- ◆ Self-levelling suspension for a smooth ride
- ◆ Even weight distribution and a low centre of gravity ensures stability whatever the terrain

ADVANCED SPRAYER TECHNOLOGY OPTIONS

- ◆ High precision featuring Individual Nozzle Control (INC) and Auto Nozzle Select (ANS)
- ◆ 4 spray sections minimum up to Individual nozzle control
- ◆ Ultra Sonic Boom Height Control and Spray Pilot - hydraulically controlled hands-free steering system
- ◆ Househam's Total Machine Control (TMC) V3 Controller with FieldMaster GPS mapping and guidance
- ◆ Quick, effective cleaning that meet all EU legislative requirements

OPERATOR COMFORT

- ◆ Excalibur Cabin, Category 4 filtration certified/ROPS-approved
- ◆ Spacious, comfortable and fully air-conditioned cab (climate controlled)
- ◆ Panoramic visibility
- ◆ High back Grammer air suspension seat + fold down buddy seat
- ◆ Heated electric mirrors and windscreen + cool box
- ◆ DAB radio and CD/Bluetooth
- ◆ LED lighting as standard

