

PROTECT YOUR CROP WITH THE BEST



CAT



Househam self-propelled sprayers
We have the solution to meet your
spraying challenge.



HOUSEHAM



We understand the unique needs of Australian farmers

Househam tailor their machines to meet customer requirements, and that includes building the machine to suit the territory. Househam machines are exported into many countries Worldwide and are designed to withstand demanding conditions, including extremes in temperature.

Our Self-Propelled machines have been in Australia since 1998 and, during this time, have undergone rigorous testing at the hands of the people who know best – you. For example, Air Ride suspension, which is now standard on every machine that leaves the factory, was developed with the help of Australian cotton farmers.

Househam has an ever-growing Dealership network covering key areas of Australia. Specially trained support is never too far away.

Britain's #1 crop protection manufacturer

Introduce European precision and technology to your farm.

Driven by the need to reduce operational costs, and maximise output yields, Europe is a hotbed for farming innovation. As Britain's leading self-propelled manufacturer, Househam are at the forefront of crop sprayer design, focussing strongly on effective chemical application. Only a precise and efficient machine can make the best use of chemical and fuel, covering the ground quickly and accurately with minimal damage to the crop. With fluctuating commodity prices and farm input costs, Househam understand the pressures of modern day agribusiness.

The Air Ride range of Self-Propelled sprayers from Househam is designed to optimise crop care. Machines have a low weight which minimises soil compaction and allows the machine to be used on drying ground long before other machines and before disease takes hold. Four-wheel-steer reduces crop damage and keeps headland size to a minimum.

Each sprayer is powered by World renowned Caterpillar engines which are reliable and fuel efficient. Even the position of the engine has been given careful consideration to provide equal weight distribution. Not satisfied with the other controllers on offer, Househam developed a dedicated electronic rate controller in-house. The TMC (Total Machine Control) integrates many machine functions into one simple-to-use touch screen console. Add to this the versatile Field Master GPS unit also developed by Househam, and you have a truly effective machine for chemical or liquid fertiliser application.

In order to help modern growers meet the increasing Global demand for food, Househam have applied the latest design and technology in a simple, no-nonsense way that delivers real benefits. With the support of our chain of committed dealers and representatives, have peace-of-mind that your crops are taken care of.

Make the Househam Air Ride your first choice for crop protection.



THE AIR RIDE SERIES

Househam self propelled machines come with tank sizes from 2000lt to 5000lt, and booms up to 36 meters. All sprayers are offered with high specifications and can be adapted to suit operator requirements.

AR 2000



The AR2000 is a very nimble and compact machine, with a shorter chassis giving an extra-tight turning circle. Ideal for smaller or odd-shaped fields.



Engine 140hp CAT
Spray tank size 2000 litres
Gross Weight 7740kg

Wheel Base 2.92m
Turning Circle 5.4m
Ground Clearance 830mm

AR 3000



The AR3000 The benchmark in Self-Propelled sprayers. Features an impressive list of equipment and productive attributes as standard.



Engine 170hp CAT
Spray tank size 3000 litres
Gross Weight 9840kg

Wheel Base 2.92m
Turning Circle 7m
Ground Clearance 890mm

AR 3500/3600



The AR3500 and 3600 is based on the popular 3000, but for Farmers requiring a little more capacity to cover more ground between fill-ups.



Engine 170hp CAT
Spray tank size 3500 litres
Gross Weight 9840kg

Wheel Base 2.92m
Turning Circle 7m
Ground Clearance 890mm

AR 4000



The AR4000 With a bigger, stronger chassis, this is the choice for larger farms. Also for the operator who uses higher application rates and needs a greater capacity.



Engine 230hp CAT
Spray tank size 4000 litres
Gross Weight 11960kg

Wheel Base 3.20m
Turning Circle 8.6m
Ground Clearance 915mm

AR 5000



The AR 5000 An upgrade on the 4000, this machine is the ultimate in efficient and productive chemical application

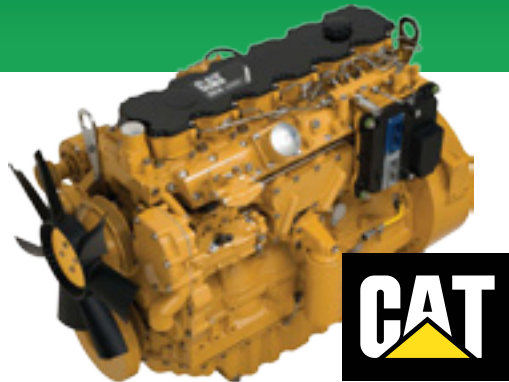


Engine 170hp CAT
Spray tank size 5000 litres
Gross Weight 13660kg

Wheel Base 3.20m
Turning Circle 8.6m
Ground Clearance 915mm

STANDARD FEATURES

The Househam AR takes the hard work out of spraying, with an impressive list of standard equipment.



CAT

Powered by Caterpillar

Powerful and reliable ACERT engines with electronic management for maximum fuel economy. Mounted in the centre of the chassis for excellent weight distribution, and with electronic RPM controls in the cab and outside at the filling point.



Air Ride Suspension

With a super-smooth ride when the going gets rough, the Self-Levelling design increases stability whilst reducing machine and operator fatigue.



All Wheel Steer

Intelligent system switched easily from the cab to give ultimate manoeuvrability. Leaves only one set of wheel tracks as the rear wheels follow the front perfectly, reducing crop damage and soil compaction.

Low Machine Weight

Reduce your impact on the soil and the crop, and get back in the field as soon as possible after rainfall. Ideal for row-crop and irrigated land, or for areas of higher rainfall.

All Wheel Drive

Hydrostatic drive to all wheels gives excellent traction and stability with the benefit of reduced soil disturbance in soft conditions. With no gearbox, manoeuvring is a simple movement of the control lever.



Recirculating Boom

Combined with quick-acting air valves at the nozzle gives instant spray at the required pressure. No waiting for pressure to build and no under-application on headlands. With a clean-water tank on board as standard, a wash-out cycle can be performed in the field.



Quality Spray Pump

German made, Altek diaphragm pump featured on the machine is characterised by its robustness, reliability and long service life. The pump is electronically monitored for diaphragm wear.



Easy Chemical induction

Simple and safe – the stainless steel inductor is easy to clean and features an effortless electronic control panel. No more messing about with taps, just push the button and go – even with protective gloves. The electronic system has 60% less pipe-work to wash out than with manual taps.

All the cab comforts

Modern, quiet and comfortable with excellent all-round visibility. Spacious, carbon filtered air conditioning and all machine controls at the operator's fingertips. Push button control is provided for all functions including boom operation and wash-out cycles.



Controls at your finger tips

Total Control Management

All of the sprayer's functions are controlled via the Househam Sprayers touch screen display TMC (Total Machine Control).

- ✓ Application rate control
- ✓ Engine management
- ✓ Automatic service reminder system
- ✓ Engine monitoring and diagnostics
- ✓ Hydrostatic drive control and monitoring
- ✓ Integrated warning/fault detection
- ✓ GPS control ready (Househam Fieldmaster)



OPTIONAL FEATURES



There is a host of optional equipment available for use with Househam sprayers, from liquid Fertilizer system, Hydraulically Adjusted Axle, Fast Filling Pump to Ultrasonic Boom Levellers, speak to your Househam Dealer for more details.



Boom Widths

From 12 to 36m with all-steel construction, whichever size you choose, you are assured of a strong and reliable boom. Nozzles are secured out of harms' way, and spring-loaded break-away ends minimise tip damage. Options include wing tilt, ultrasonic boom levelling, Headland Assist (return-to-height) and air sleeves in some sizes.

Engine and Transmission

A 170 hp or 225hp CAT engine can be selected, and optional electronic Traction Control can assist in steep or slippery terrain.



Chassis and Wheel Track

With fixed wheel track widths available from 1.6m (64") to 3.6m (144") and a hydraulically adjustable option, a Househam can suit your crop perfectly. Ground clearance can also be tailored to your needs. Add underside protection, towing eyes or a drawbar to complete the package.

Spray Lines

Nozzle spacing and spray sections can be tailored and other options added such as twin line, Liquid Fertiliser system or end jets.



Controller Upgrades

In addition to the standard TMC (Total Machine Control) system, the FIELDMASTER offers GPS functionality along with a host of enhanced machine controls including Auto Section Control, Field Boundary Mapping and Variable Rate Application.

Spray Unit

Customise to your application with a centrifugal pump, fast fill pump or additional bowser (fast) fill point. Auto Fill option also available. Add a pressure washer for complete decontamination or extra work lights for night work.



AIR RIDE SERIES Standard Machine Specifications

	AR2000	AR2500	AR3000	AR3500	AR3600	AR4000 AR5000
Engine	CAT 4.4 140HP Tier 3 Common Rail Turbo Diesel		CAT 6.6 170HP Tier 3 Common Rail Turbo Diesel		CAT 6.6 225HP Tier 3 Common Rail Turbo Diesel	
Transmission	Full Hydrostatic 4WD. Two Speed Motors with Hill Ascent and Descent Modes					
Hydraulic Oil	100ltrs HV46 (Viscosity Improved)					
Steering	Intelligent 2/4 Wheel Hydraulic Steering with Auto Alignment of the Rear Wheels					
Braking	Primary Hydrostatic with cab operated static Park Brake					
Chassis	Torsionally Rigid, Welded Box Section with Telescopic Axles					
Suspension	Active Self Levelling, Load Compensating Air Suspension Front and Rear					
Cabin	Panoramic cab with; TMC, climate control, carbon filtration, air seat, under seat storage, cool box, radio/CD, beacon and external work lights, separate "Buddy Seat", and twin electric cab mirrors. Narrow steering column adjustable for height and rake with foot rests.					
Spray Tank	2000 litres GRP	2500 litres GRP	3000 litres GRP	3500 litres GRP	3600 litres S/Steel	4000/5000 litres S/Steel
Wash Tank	240 litres	240 litres	240 litres	240 litres	360 litres	400/500 litres
Spray Pump	Altek 4cyl 260l/min Diaphragm Pump with Suction Fill facility					
Filtration	Suction Filter and Flushing Pressure Filter with Agitation Control					
Boom	12/24m (Typically, but further options available) with hydraulic fold, lift and tilt. Yaw adjustment and 3D break away tips.					
Spray Lines	Single 3/4" (19mm) Stainless Steel Recirculating Line with 0.5m Nozzle Spacing. Triplet Nozzle Bodies and One set of Flat Fan Jets					
Section Control	4 x Air Operated Sections with Altek Precision Stop Bodies					
Min Spray Height*	0.55 m	0.65 m	0.65 m	0.65 m	0.65 m	0.65 m
Max Spray Height*	2.40 m	2.50 m	2.50 m	2.50 m	2.50 m	2.50 m
Application Control	Househam TMC Unit Using Flow Based Regulation and Ramsey Nocton Pressure Control					
Wheel Track	Manual Telescopic Track Adjustment					
	1.73-2.03m (68"-80")	1.73-2.03m (68"-80")	1.73-2.03m (68"-80")	1.83-2.13m (72"-84")	1.83-2.13m (72"-84")	1.98-2.13m (78"-84")
Wheel Base	2.92 m	3.16 m	3.16 m	3.16 m	3.16 m	3.58 m
Turning Circle	5.4 m	7.0 m	7.0 m	7.0 m	7.0 m	8.6 m
Ground Clearance	0.85 m	0.95 m	0.95 m	1 m	1 m	1.2 m
Std Tyres / Wheels	320/85 R32	320/85 R32		380/85 R30		480/70 R38
Fuel Tank	200 litres Plastic					
Max. Field Speed	25 kph					
Max. Road Speed	40 kph					
Unladen Weight	5.50 Tonnes	6.35 Tonnes	6.50 Tonnes	6.55 Tonnes	7.36 Tonnes	8.06 Tonnes (5000L)
Gross Weight (Liquid Relative Density = 1)	8.24 Tonnes	9.19 Tonnes	9.84 Tonnes	10.39 Tonnes	11.42 Tonnes	13.66 Tonnes (5000L)
Width (Booms Folded)	2.8 m	2.8 m	2.8 m	2.8 m	2.8 m	2.9 m
Length (Booms Folded)	7.2 m	7.5 m	7.5 m	7.5 m	7.5 m	8.3 m
Height (Booms Folded)	3.6 m	3.6 m	3.6 m	3.6 m	3.6 m	3.9 m

*Quoted Using Standard Wheels And Ground Clearance Shown Above

If you would like know more about the Househam AR Series, speak to the people who understand crop protection.

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