

The background of the advertisement is a photograph of a wooden building with horizontal shingle siding. A large, dark brown diagonal shape, resembling a stylized 'X' or a corner cut, is overlaid on the image. The company logo and tagline are in the top left, and the product name is centered in the middle. The descriptive text is in the bottom right.

INNASOL
SUPER POWER ▶

INNASOL HEAT POD

THE READY-MADE
BIOMASS SOLUTION FOR
COMMERCIAL BUILDINGS



INNASOL HEAT POD: THE SMART HEATING SOLUTION FOR COMMERCIAL BUILDINGS

Renewable heating systems are here to stay. Clean, cost effective and superbly efficient, technology such as biomass boilers mean there really is an established, better way to heat new and existing commercial buildings. The government will even pay you for the next 20 years for any renewable energy you produce.

Smart people might call it a 'no-brainer'.

And, with the Innasol Heat Pods, even more commercial properties can experience all the benefits of clean, renewable biomass heating. Because they don't rely on being installed where gas or oil systems once lived. They're plug-and-play in one convenient block, so they can be installed faster. And you can enjoy the financial, environmental and thermal improvements sooner.

Innasol Heat Pods can be utilised across a wide range of buildings such as multi unit residential developments, hospitals, schools, nursing homes, glasshouses and agricultural buildings and office complexes.



CONVERT TO A SUSTAINABLE ENERGY SOURCE – SUPPORTED BY THE RHI

The UK still has far too many outdated, inefficient heating systems, in homes and businesses and buildings, which pollute the environment and create higher heating bills for everyone. This dirty 'habit' can be solved by switching to super-efficient biomass heating systems.

The government renewable heat incentive (RHI) is designed to support this planet changing decision, with payments for 20 years securing your heating costs for the future. Can you afford to miss this smart, clean and profitable opportunity?

CHANGING THE UK'S BAD HEATING HABITS

The advantages of the Innasol Heat Pod at a glance:

- Complete ready made heating solution with an output of 50 kW to 500 kW
- Heat can be produced within hours of Heat Pod delivery to site
- Leading Austrian biomass heating technology
- Easy filling with biomass fuels and sufficient space for maintenance
- One-stop service and transparent cost calculation
- Save up to 50% in heating costs
- Governmental Renewable Heat Incentive is guaranteed for 20 years



ETA BIOMASS TECHNOLOGY: THE HEART OF THE INNASOL HEAT POD

ETA biomass boilers are market leaders in renewable heating technology and provide the perfect match to compliment the high standards of the Innasol Heat Pod. The extensive range of ETA boiler sizes combined with ideal fuel storage sizing allow the flexibility to supply the perfect heating solution to meet individual needs. One tidy 'plug-and-play' package tailored to your needs.

And making the switch to an Innasol Heat Pod is quick and simple.

Step 1: Site Preparation

- Preparation of the base for the heat pod to stand on
- Running the electrical and water mains supply to the base
- Running of heat distribution mains to the base
- Installation of drains or soak hole to the base

Step 2: Delivery

- Delivery of the heat pod via specialised vehicle
- Lifting of the heat pod onto base via crane or HiAb vehicle
- The heat pod rests in final position

Step 3: Connection

- Connect electrical mains
- Connect heat mains
- Connect water mains and fill system
- Erect flue system and secure

Step 4: Switch on

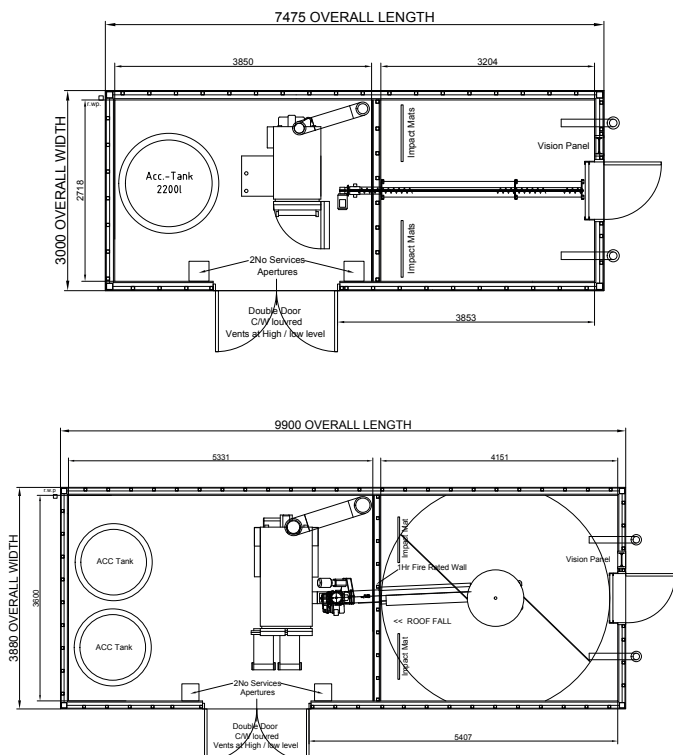
- Delivery of fuel to store
- Commissioning and testing of system
- Switching system on and enjoying clean efficient heat

Innasol Heat Pods are basically a mobile plant room that can be easily adapted to work in a wide variety of situations, housing the most advanced and efficient ETA biomass boilers with proven smart technology.



INNASOL HEAT POD: FULLY EQUIPPED AND READY FOR INSTALLATION

- ETA biomass boilers ranging 50 kW to 500 kW
- ETA fuel feed systems
- Available for both wood pellet and wood chip – optional sliding roof for wood chip
- Buffer tank complete with insulation
- Complete flue system according to boiler requirements including condensation trap & drain, draft stabiliser and explosion flap
- RHI approved heat meter
- Dosing pot
- Return riser mixing set with primary circulating pump
- Mapress carbon steel pipe and fittings
- Mapress copper pipe and fittings
- Foil back pipe insulation
- Electrical isolation fuse board
- Florescent light
- Power sockets
- Dust proof light in store



INNASOL HEAT POD PRODUCT DESCRIPTIONS

INNASOL HEAT POD 50 PELLET

7.500 x 3.000 x 2.872 m plant room with integrated fuel store. Fully fitted with ETA PE-K 50 kW boiler, including 1,650 l of buffer storage with insulation, direct pellet screw feed system, return riser, sensors and control panels. 19 m³ fuel store, nozzle-filling system. All plumbing and wiring pre-installed.

INNASOL HEAT POD 50 HACK

7.500 x 3.000 x 2.872 m plant room with integrated fuel store. Fully fitted with ETA Hack 50 kW boiler, including 1,650 l of buffer storage with insulation, agitator feed system, return riser, sensors and control panels. 19 m³ fuel store, automatic sliding roof. All plumbing and wiring pre-installed.

INNASOL HEAT POD 70 PELLET

7.500 x 3.000 x 2.872 m plant room with integrated fuel store. Fully fitted with ETA PE-K 70 kW boiler, including 2,200 l of buffer storage with insulation, direct pellet screw feed system, return riser, sensors and control panels. 19 m³ fuel store, nozzle system. All plumbing and wiring pre-installed.

INNASOL HEAT POD 70 HACK

7.500m x 3.000m x 2.872m plant room with integrated fuel store. Fully fitted with ETA Hack 70 kW boiler, including 2,200 litres of buffer storage with insulation, agitator feed system, return riser, sensors and control panels. 19m³ fuel store, automatic sliding roof. All plumbing and wiring pre-installed.

INNASOL HEAT POD 90 PELLET

7.500 x 3.000 x 2.872 m plant room with integrated fuel store. Fully fitted with ETA PE-K 90 kW boiler, including 2,200 l of buffer storage with insulation, direct pellet screw feed system, return riser, sensors and control panels. 19 m³ fuel store, nozzle-filling system. All plumbing and wiring pre-installed.



INNASOL HEAT POD 90 HACK

7.500 x 3.000 x 2.872 m plant room with integrated fuel store. Fully fitted with ETA Hack 90 kW boiler, including 2,200 l of buffer storage with insulation, agitator feed system, return riser, sensors and control panels. 19 m³ fuel store, automatic sliding roof. All plumbing and wiring pre-installed.

INNASOL HEAT POD 130 PELLET

9.850 x 3.800 x 2.919 m plant room with integrated fuel store. Fully fitted with ETA Hack 130 kW boiler, including 3,300 l of buffer storage with insulation, direct pellet screw feed system, return riser, sensors and control panels. 32 m³ fuel store, nozzle-filling system. All plumbing and wiring pre-installed.

INNASOL HEAT POD 130 HACK

9.850 x 3.800 x 2.919 m plant room with integrated fuel store. Fully fitted with ETA Hack 130 kW boiler, including 3,300 l of buffer storage with insulation, agitator feed system, return riser, sensors and control panels. 32 m³ fuel store, automatic sliding roof. All plumbing and wiring pre-installed.

INNASOL HEAT POD 199 PELLET

9.850 x 3.800 x 2.919 m plant room with integrated fuel store. Fully fitted with ETA Hack 199 kW boiler, including 4,400 l of buffer storage with insulation, direct pellet screw feed system, return riser, sensors and control panels. 32 m³ fuel store, nozzle-filling system. All plumbing and wiring pre-installed.

INNASOL HEAT POD 199 HACK

9.850 x 3.800 x 2.919 m plant room with integrated fuel store. Fully fitted with ETA Hack 199 kW boiler, including 4,400 l of buffer storage with insulation, agitator feed system, return riser, sensors and control panels. 32 m³ fuel store, automatic sliding roof. All plumbing and wiring pre-installed.

Optional specifications:

- Steel cladding (standard profiles and colours only)
- Larch cladding (natural rough sawn effect)
- Other finishes available on request subject to availability & cost





COMMERCIAL INNASOL HEAT POD SPECIFICATION

DIMENSIONS

Large Heat Pod - external:

- 9900 x 3880 x 3450 mm (L.W.H)
structural steel
- 10100 x 3980 x 3450 mm (L.W.H)
with cladding

Large Heat Pod - internal after lining:

- 9620 x 3600 x 3000 mm (L.W.H)

Medium Heat Pod - external:

- 7475 x 3000 x 3150 mm (L.W.H)
structural steel
- 7675 x 3100 x 3150 mm (L.W.H)
with cladding

Medium Heat Pod - internal after lining:

- 7195 x 2720 x 2700 mm (L.W.H)
(other sizes can be supplied on request)

PROFILED STEEL ENVELOPE

The structure comes with full CE certification and 5 year structural warranty subject to standard maintenance regime. 1.6 mm. Profiled mild steel panel structure with a base rail of 125 x 65 mm hot rolled channel and a top rail manufactured utilising 70 x 70 x 6 mm angle. Corners are formed with 80 x 80 x 5 mm square hollow section posts accommodating certified lifting points to accept a 24 mm lifting eye, doorposts are 80 x 40 x 4 mm in rectangular hollow section. Within the floor 100 x 50 mm hot rolled channel steel floor joists at 375 mm centres roof 80 x 40 x 4 mm rectangular hollow steel section at 1200 mm centres overlaid externally with 1.6 mm profiled mild steel profiled sheet. All steel substructure painted using a pronto paints 207:502 compliant coating AC high build sheen with an 80-100 micron facing.

External cladding:

Envelope can be clad in larch timber, other finishes can be applied to meet specific customer requirements upon request.

External surfaces (roof):

Outer surface to be painted dark green using a pronto paints 207:502 compliant coating AC high build sheen with an 80 - 100 micron facing. The roof is laid to fall away from the pellet store to the short elevation of the boiler room into performed steel gutter section and discharged at ground, pipe and gutter is to be fixed to the external of the steel sub structure and concealed behind the external cladding.

Service penetrations:

All necessary apertures and cut outs for boiler flues and all other incoming and outgoing services are formed within the structure.



FLOOR

Plant Room:

Steel structural joists overlaid with a heavy duty steel chequer plate returning up the face of the internal walls 150 mm to form skirt.

Pellet Store:

Steel structural joists under drawn with galvanised steel sheet for vermin protection steel beams formed and installed at 400 mm centres to create required floor falls into the pellet auger a heavy duty 22 mm plywood with galvanised steel sheet fitted over these beams.

INTERNAL WALLS

Plant Room:

15 mm white CEs 120 faced megadeco which is a wipe down surface, adhered and mechanically fixed to a timber stud wall construction adhered to the internal face of the steel substructure. Joint between boards concealed utilising a plastic "H" section trim colour matched to boards.

Pellet Store:

The wall is internally lined in 18 mm plywood with galvanised steel sheet adhered to face up to a height of a minimum 300 mm above finished floor level. This is adhered and mechanically fixed to a timber stud wall construction adhered to the internal face of the steel structure. The walls are insulated with a minimum of 50 mm glass fibre insulation.

CEILING LINING

Plant Room:

The ceiling is internally lined in 15 mm white CEs 120 faced megadeco that is a wipe down surface, adhered and mechanically fixed to timber stud wall construction adhered to the internal face of the steel structure. The board is mechanically fixed into the studwork surround with joint between boards concealed utilising a plastic "H" section trim colour matched to boards.

Pellet Store:

The ceiling is internally lined in plywood, adhered and mechanically fixed to timber stud construction, then adhered to the internal face of the steel structure. The ceilings are insulated with a minimum of 50 mm glass fibre insulation.



EXTERNAL DOORS

Made from profiled steel panel structure or composite steel powder coated doors c/w 5 lever dead locks and high quality ironmongery with a minimum height of 2200 mm. Double door to the boiler room with louvres at high and low level providing the required ventilation to each leaf and a single door to the pellet store.

VIEWING PANEL

1200 x 300 mm powder coated aluminium viewing panel with required clear glazing is fitted to the pellet store area for assessing fuel levels.

FIRE RATING

The above plant room structure achieves a 1-hour fire rating.



The logo for Innasol Super Power. The word 'innASOL' is in a white, sans-serif font, with 'inn' in lowercase and 'ASOL' in uppercase. Below it, 'SUPER POWER' is in a smaller, green, sans-serif font, followed by a green right-pointing arrow.

innASOL

SUPER POWER ▶

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