

ISPM-15 heat treatment kilns

ISPM-15 compliant heat treatment kilns for food packaging and pallets.

Suitable for:   

Our bespoke GlenFarrow heat treatment kilns heat the core of wood to 56°C for a period of 30 continuous minutes in order to comply with ISPM-15 regulations. The kiln can be set to automatically dry wood after it is heat treated, preventing mould from developing! Kilns can be heated by biomass, oil or gas boilers and we can include your chosen boiler in the pre-packaged units.

The benefits

- Two-in-one kiln, allowing you to both heat treat and kiln dry your wood
- Fully customisable in size, configuration, insulation, controls and more
- Fully insulated kiln and super-efficient operation
- Optional sliding container floor easy loading of wood
- Fully enclosed plant room with touch screen controls
- Adjustable temperatures
- Modular cassette system to allow for expansion

KEY FEATURES

MAX DRYING TEMP: 80°C

PALLET CAPACITY OPTIONS:

1. 21m³ 2. 31.5m³

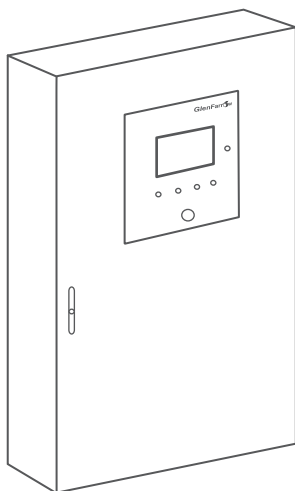
FLOOR SPACE OPTIONS:

1. 20m² 2. 27.6m²

DRYING TIME:

Approx. 4 hrs per full heat treatment cycle

How it works

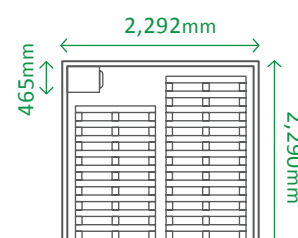
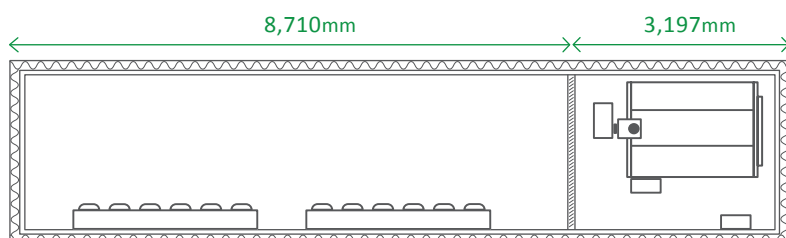


1. After the kiln is loaded, the temperature probes should be placed at the centre of the wood
2. The kiln is controlled by GlenFarrow's purpose built touch screen control panel. Once started the linear heat exchangers will heat up the kiln
3. When the temperature probes reach 56°C, an automatic 30 minute timer will begin to make sure the wood is correctly heat treated to ISPM-15 regulations
4. After 30 minutes is up, the kiln extraction dampers will open automatically and begin the recirculation drying process
5. A full report of the heat treatment process will be logged and can be viewed on the control panel
6. Remote access control of the panel can also be added to your system

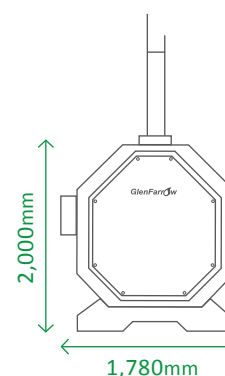
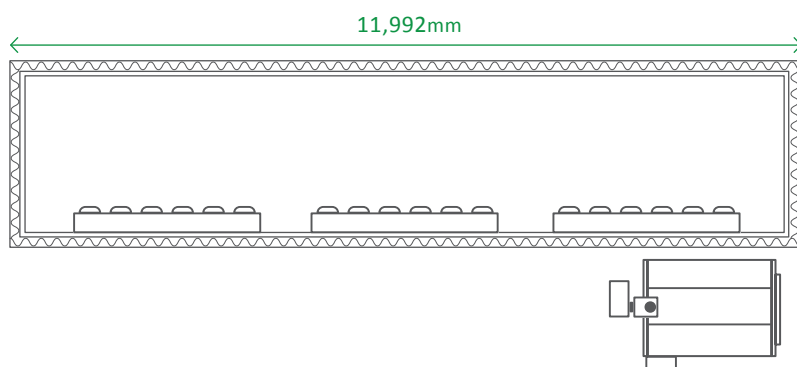


Specifications

Option 1: Boiler inside kiln container = 168 pallets



Option 2: Boiler and kiln separate = 252 pallets



FORESTRY COMMISSIONING PROCESS



- After commissioning of heat treatment kiln, UKAS carries out calibration on the temperature probes to ensure correct operation and provide certification
- The Forestry Commission runs checks to verify that the kiln is suitable for heat treatment. This usually involves two runs of the kiln whilst checking the core of the wood temperature at different stages
- Once the Forestry Commission signs off the kiln as suitable to use for heat treating wood to meet ISPM-15 regulations, GlenFarrow completes handover of the system