



**BERRYMOOR
HEADS NOOK
BRAMPTON
CUMBRIA
CA8 9BE**

WOOD FUELLED HOT AIR SOLUTIONS FOR ALL YOUR PROCESS AND SPACE HEATING REQUIREMENTS

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Address

Date

Dear

Re: XXXkW Orligno 600 Hot Air Log Blower Installation

There follows a full quotation for the supply and installation of the above blower.

System Requirements

The system should be able to:

- Provide 100% of the wood drying process requirements for kiln drying and/or space heating.
- Burn all types of wood including mixed loads of sawdust and off cuts so long as they are free from any accelerants like creosote, glue, or solvent based products.

Note: Burning wood in different formats other than those above @ 20% moisture content can have a detrimental impact on the amount of smoke produced when the blower is not in full gasification mode or slumber mode.

System Design

An XXXkW Angus O600 hot air log boiler will supply a constant stream of up to 120°C clean air to a container which will be used to dry wood. The air will be ducted into the container at one end and exhausted from the other passing through the wood en-route during the drying process. The boiler will be positioned externally with the flue routed up the gable end of the building terminating above roof height. The container will be positioned in front of the boiler up against the low section of the lean-to. A 200mm duct will direct hot air from the boiler into the container. The duct will have a 100mm branch which will supply the office. Manually operated butterfly valves in the two ducts will allow control of the airflow to the kiln and the office or provide a shut off facility if required.

Components to be supplied

XXXkW Angus 600 Hot Air Log Blower

3m 200mm of stainless-steel twin walled flue system

150mm & 200mm spiral galvanized ducting and fittings between the blower and the kiln



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BIOMASS



Summary of Goods and Works Supplied

- A. Goods to be supplied by Ember Air
All goods listed in quotation
- B. Work to be undertaken by Ember Air
- ◆ Installation of gasification blower
 - ◆ Installation of flue system
 - ◆ Installation of ducting connecting the blower to the container compartment
 - ◆ Electrical works concerned with the blower installation using an existing 13amp switched fused spur
 - ◆ Testing and commissioning of system
 - ◆ Operator training and ongoing support

Works Excluded

- Mechanical handling required to offload the blower and get it onto the container floor
- All electrical works apart from the final appliance connection
- All works involved with constructing the blower room
- Supply and installation of exhaust vents in the kiln
- Installation of the internal ducting within the kiln

Contract price summary

Supply and installation of the blower as above	£ X,XXX.XX
VAT @ 20%	£ X,XXX.XX
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<u>Total contract price</u>	£XX,XXX.XX (inc VAT)

Contract payment terms

Stage 1	20% deposit required on acceptance of contract	£ X,XXX.XX (inc VAT)
Stage 2	50% required 3 weeks before dispatch date from the factory	£ X,XXX.XX (inc VAT)
Stage 3	Balance payable on completion	£ X,XXX.XX (inc VAT)

Payments can be made by cheque or bank transfer. Please make cheques payable to Haskins Associates Ltd. If paying by bank transfer I will contact, you on receipt of your signed response form.

Electrical Works

A switched fused spur will be required to power the boiler and fans. Please ensure that your electrician installs a dedicated supply in accordance with BS 7671 18th edition. This ensures that there is not more than a 3% voltage drop at a 10-amp load.

I enclose a customer contract form in connection with the above work. By signing this contract form, you are confirming the order for the products and installation services specified on the above quotation. This order will become binding when Ember Air notifies you of its acceptance and will be governed by Ember Airs terms of supply.

Yours Sincerely



Simon Haskins