

RanHeat

WA 300

300kW INDUSTRIAL WOOD WASTE WARM AIR HEATER

Turn your wood waste into energy and save money.



KEY POINTS

- The Ranheat WA 300 is the perfect machine for **all sizes of wood-working premises** to start **automating** the **disposal** of their **wood waste**.
- Capable of burning both **virgin wood** and **man-made boards** in a variety of forms including **chipboard**, **MDF**, and **OSB**. Burning **dust**, **chips** and **shavings**.
- It caters to Wood Workshops that are just making the step from individual bag filled dust extraction to **one centralised dust extraction unit**.
- WA 300 has the capacity to dispose of **10-12 tonnes of wood waste a week** and comfortably **heat 3000m²** (30000ft²).



SAVE MONEY ON YOU WASTE DISPOSAL

- The WA300 can have as little as one year return on investment depending on your current costs. The savings come from getting rid of wood disposal and skip costs, reduction or elimination of heating gas or electric heating bills, and labour and automation savings of having your waste products disposed of automatically.



AUTOMATIC

- Free yourself from having to manual empty your dust bags or skips from your dust extractions system. Attach a WA300 to your existing dust extraction system and gain the benefits of decreased labour costs, cleaner working environment and recycle your wood waste into heat.



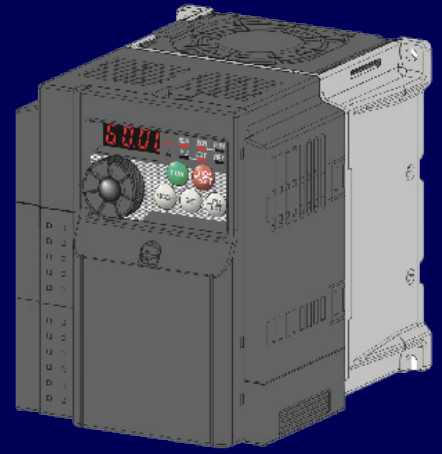
BUILT TO LAST

- WA300 has a completely modular design allowing for the individual replacement of all parts.
- All parts of the main combustion unit and heat exchanger can be replaced. All fans are Ranheat designed, the filtration and flue gas cleaning system are all Ranheat designed and manufactured.
- WA300 can last up to 25 years plus and there are many system out there, that we still service and maintain that are older.

OPTIONS

ENERGY SAVING INVERTERS

- This changes all the motors in the panel from direct online motors to inverter controlled. The WA 150 BagLoader has a combined 8.5kW of maximum energy draw. The inverter control of these motors reduces the electrical load by 2/3. At an energy cost of 25p/kWh this is a return on investment of 2-years.
- **£5,600 plus VAT**



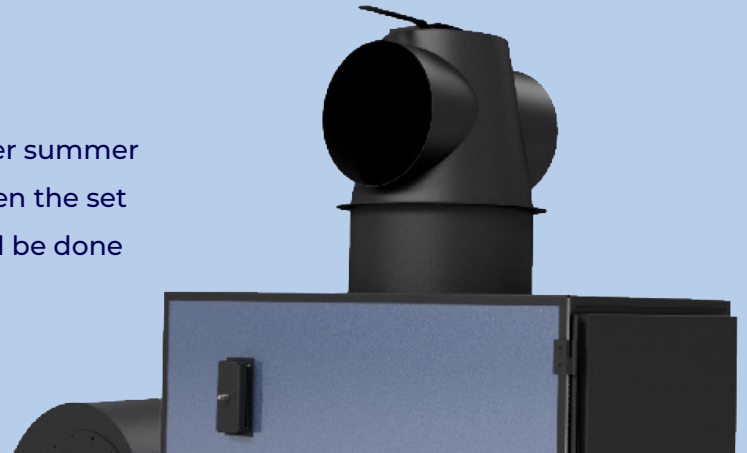
TOUCH-SCREEN HMI

- The default system comes with just switches and dials to operate the machine with a Web HMI to look at usage and other settings. Customers can choose to have a physical HMI on the screen to change settings with requiring another device.
- **£1,750 plus VAT**



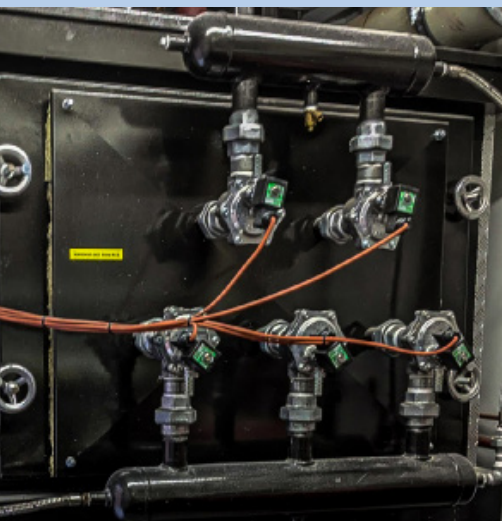
AUTOMATIC WINTER SUMMER DIVERTER

- Includes a thermostat and actuator on the winter summer diverter to automatically divert heat outside when the set temperature is met. On the base unit, this would be done with a manual diverter valve.
- **£2,500 plus VAT**



AUTOMATIC TUBE CLEANING

- To maintain best performance with the base system, heating tubes need to be cleaned with a brush and rod every week. Automatic Tube cleaning blasts the fire tubes with compressed air and regular intervals to break down soot buildup in the tubes, removing the requirement for weekly manual cleans. Manually cleaning the tubes can be done during base deashing and takes around 20 minutes a week.
- **£12,850 plus VAT**



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