A50-IC (2) Quad chamber pet cremation machine for small to large pets

Multiple chamber pet cremation machine for increased output of household pet cremations, Manage up to 30 pets a day.

The A50 IC 2 pet cremation machine is streamlined to increase your output efficiently through its four cremation chambers. Pneumatically controlled front loading door with a second lower chamber for easy manual de-ashing to optimise your daily throughput to up to 30 pets.

Designed for safety, performance and efficiency benefiting from Hot Hearth technology, continuously recycling heat throughout the primary cremation chambers, delivering complete 360° heating drastically reducing cremation time. Unrivalled in it’s field boasting a 40% reduction in fuel consumption compared to alternative solutions. Designed for growing pet crematoriums.

**Machine Specification**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Upper Chamber L x W x H (mm)</td>
<td>1545 x 728 x 705</td>
</tr>
<tr>
<td>Lower Chamber L x W x H (mm)</td>
<td>1545 x 710 x 627</td>
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<tr>
<td>Weight (Approx tonnes)</td>
<td>13</td>
</tr>
<tr>
<td>Nominal Burn Rate UK* (kg/hr)</td>
<td>&lt;50</td>
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<tr>
<td>Thermal Capacity (kW)</td>
<td>690</td>
</tr>
<tr>
<td>Power Supply 50/60 hz (3 Phase)</td>
<td>380 - 415v</td>
</tr>
<tr>
<td>Door Aperture</td>
<td>660 x 620</td>
</tr>
<tr>
<td>Hot Hearth Principle</td>
<td>Yes</td>
</tr>
<tr>
<td>Fuel Types</td>
<td>Diesel, LPG, N-Gas</td>
</tr>
<tr>
<td>Control Panel</td>
<td>PLC</td>
</tr>
<tr>
<td>Additional Operation Equipment</td>
<td>Optional</td>
</tr>
<tr>
<td>Insulation Board</td>
<td>25mm Superwool</td>
</tr>
<tr>
<td>Insulation Fire Brick</td>
<td>Grade E23</td>
</tr>
<tr>
<td>Fire Brick (Alumina)</td>
<td>42.5%</td>
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</tbody>
</table>

*We reserve the right to change the specification, dimensions and quality of materials from time to time, so long as the alteration is minor or an improvement to the said product.

**Primary Chamber**

- Heavily insulated internal refractory lining. Constructed from high grade refractory brick ensuring a secure self supporting, interlocking arrangement.
- Manually opening, securely locking, access door with viewing port.
- Automatic temperature controlled on-off waste ignition burner complete with internal air fans.
- Hot Hearth Combustion Burner, temperature controlled on-off, complete with internal air fans.
- Secondary combustion burner air fans, automatically controlled distribution to their designated area.
- Two temperature sensor mounting points.

**Secondary Chamber**

- Fully insulated internal refractory lining. Constructed from high grade refractory brick and low thermal mass insulation.
- Secondary chamber burnout burner, temperature controlled on-off complete with internal air fans
- Automatically controlled integrated combustion burner air fans.
- Temperature sensor mounting point at the base of the exit flue ensuring the chamber reaches the necessary 850°C minimum, with a 2 second retention time.

**Optional Extras**

- De-ashing Tool
- Pet & Horse Cremulator
- Lift Table
- Fuel Tank
- Spares Kit & Servicing
The Addfield Difference

• Pre-Fabricated 8mm & 10mm robust mild steel casing, seam welded and suitably stiffened/braced where necessary.
• Lightweight resilient refractory fibre insulation door, providing a tight seal, giving excellent thermal efficiency.
• Primary and secondary chamber lining thickness 180mm rated at 1450°C.
• Premium paint finish - Steel structures are painted using a two-pack high grade paint system.
• Unique Hot Hearth technology enabling increased efficiency of cremation by providing additional heating below the chamber encouraging 360° heat distribution.
• Multi-layered refractory lining using fire bricks and insulation bricks, improving thermal efficiency.

Additional Operation Equipment

Hydraulic Lift Table
Providing an easier way of lifting weights up to 150kg. Having an extendable bed for safer loading. Height adjustable up to 1.3m, and a pull lever to smoothly lower the table. Ball bearing assisted loading tray.

De-ashing Tools
De-ashing tools increase the comfort of de-ashing the cremator. Associated with removing hot ash from the chamber of the cremator straight into the ash box, ready to be processed in the cremulator unit.

Pet Cremulator
The cremulator processes the remains of domestic animals and grinds them into a fine ash for returning to the owner. The operation process for this only takes 60 seconds from bone material to a final ash residue.