

EDRHER™

Intelligent thinking. Clever design

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EDRYER

Imperial Thermal Engineering's Eseries is a quantum leap forward in the preparation and handling of modern bituminised rubber compounds (hot-melt) and bitumen sheet material. This equipment has been developed in order to eradicate the use of propane gas on construction sites.

The Edryer has been developed with production in mind powered by clean single-phase electricity. Using an electrically operated piece of equipment as a primary heat source will avoid the safety and quality control issues arising from the use of LPG gas torches. On today's modern construction sites gas-fired equipment is becoming unacceptable and deemed to be a significant risk.

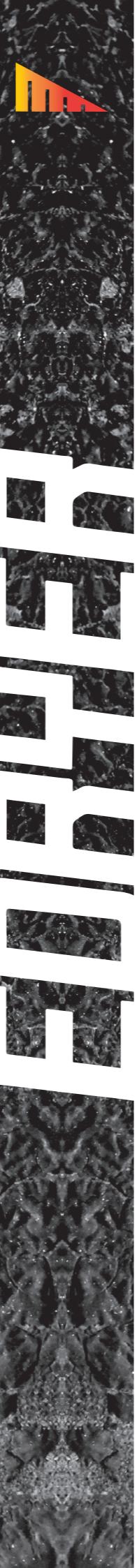
Current risks associated with gas torches include:

- Presence of naked flames in confined and semi-confined spaces
- Use of a torch on or adjacent to adjoining buildings where unknown material maybe present
- The use of gas torches to dry plywood or other combustible materials
- Presence of naked flames in the proximity of spirit based primers
- Materials exceeding maximum manufacturers specified temperatures
- Poor regulation of heat often exceeds the flash-point of the material.
- Significant safety hazards such as direct burns to operators during use
- Site specific controls associated with naked flames and hot works.
- Hot-works permits required reducing the working day by at least one hour.
- Significant CO₂ footprint from use of gas torches.
- Inherent dangers of unattended equipment
- Site space issues through associated storage requirements for gas bottles.

The Edryer has been designed and developed to address drying process offering unrivalled safety

Product description

The Edryer is a Hot Air torch capable of replacing the conventional LPG gas for the drying process



on a variety of decks. The Edryer is electrically powered and with no naked flames is inherently safe. Powered by clean 110V single phase electricity the Edryer can deliver 4KW of dry air at velocities that can compete at ease with conventional LPG gas torches.

Designed and built in the UK, the Edryer is an electrically powered, high speed torch. Single phase 16amp supply with a simple 'plug and play' logic system, the equipment heats the air quickly and efficiently through the complex heater matrix to the desired temperature. The control systems ensure the equipment operates at the selected temperature and with no naked flame the risk of fire is eradicated. The burn risk to operatives is also reduced significantly with the equipment shrouded to provide cool surfaces. Works on or adjacent to existing buildings is also minimised as the torch only emits hot dry air and not a naked flame. The hot air is focused onto the deck using an extended nozzle.

Safety is a paramount factor and the Edryer has been specifically designed. Current censoring detects any grounding issues which locks out the machine in milliseconds protecting the operative from the risk of shock.



Key/ safety features

- Light weight electrically powered torch replacing the conventional gas equivalent
- Nozzle attachment for drying purposes

- Dryer Mode - 360M3/hr. @ 108 KPH @ 86 C0
- Suitable and safe for both internal and external building applications
- Highly manoeuvrable
- Designed to be arm held, perfectly balanced for pitch, roll and radial movement
- Unique design, providing 'cool side' surfaces.
- Joystick controller incorporating the trigger control switch
- Simple to use
- Safety lockout feature in the event air restriction with automatic reset.
- Electrical technology eliminates the risk of flash and vapour ignition fires
- Pre-set temperature control that is factory set

Control panel

User Friendly

The Edryer series is simple to operate and manage, requires no specialist knowledge and very little training. It is not possible to tamper with the factory pre-set temperature and air flow settings thereby removing the possibility of dangerous conditions being created by the operative.

Plug and play

Simply plug the Edryer into the site mains supply and press the ON button once the bright LED button illuminates.

Power requirements and consumption

110V, single phase, 32Amp.
Edryer has a 3 pole 32A male connector on the side panel.

Power consumption: 4 KW only during operation
All Edryers are supplied with a 5m cable as standard that link the torch to the power pack through the umbilical cord.

Note: For use on site without a permanent fixed supply we recommend using a 16KVA site generator with a 32amp 3 pin plug fitting.
(See image below)



Specifications and Sevicing

Manoeuvring

- The Edryer is mounted on a trolley to allow for ease of movement around site

Lifting

- The Edryer can easily be manoeuvred about site with ease on its self-contained trolley stand and weighs no more than 25kg

Dimensions

Overall size of Edryer:

- Length 800mm
- Width at widest point 230mm
- Cable length 5m

Trolley dimension:

- Overall height 1320mm
- Width 600mm
- Depth 500mm

Weight

- Total overall weight inclusive of trolley - 25 kg
- Edryer weight - 6 kg

Cleaning and Care

(Disconnect before cleaning)

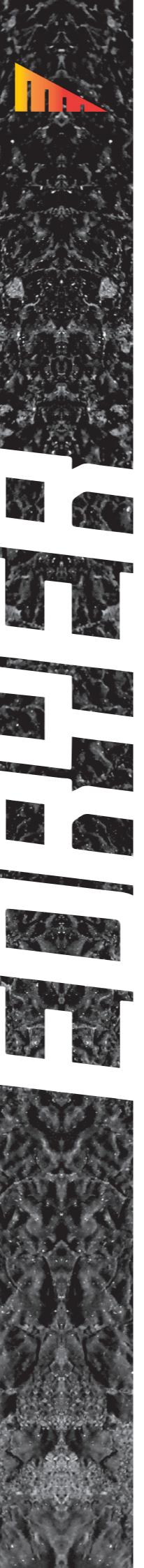
- As with any electrical equipment regular cleaning should take place in order to maintain the unit
- Wipe down with a damp cloth. As this is an electrical piece of equipment do not spray with water
- Use paraffin on a soft cloth to remove any bitumen residue
- Do not use solvents
- It is advised that the detail nozzles are cleaned periodically with paraffin to avoid build-up of bitumen which may affect ability to do detail work effectively

Onsite training

- Full training will be given when the machine is delivered to the customer

Servicing and warranty

- The Edryer series is covered by a 1-year manufacturer's warranty (conditions apply)
- The warranty remains valid for that period on the condition that service conditions are adhered to
- 3-month PAT testing is required
- Servicing is required every 6 months. Care plan available on request



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