THORNE & DERRICK INTERNATIONAL

Portable ATEX Heater

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Defend Against Cold

www.thorneandderrick.com




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Portable ATEX Heater...

Many Problems...

Low temperatures and humidity often delays projects and fabric maintenance activity.

Painting and coating gets rescheduled.

Curing takes longer.

Costs overrun and deadlines are missed.

...One Solution

You asked, we listened, thought and designed a solution that exceeds your needs. ATEX, tough, compact, powerful and user friendly.

It can easily be carried to exactly where it is needed.

Fully ATEX certified and made with marine grade materials. It is more than able for the toughest environments.

The Problem

Paint & Coating Curing

- Is the temperature too low for painting?
- Is the paint taking too long to dry?
- Are your projects getting delayed?

Now You Are No Longer Dependent On The Weather...

.... Your Projects Can Be Completed Easily & On Time

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...Heat Where You Need It

The Problem
Composite Repairs

- Is it the wrong temperature for your composite repairs?
- Are your repairs not curing properly?

The Problem
Condensation

- Is your environment too damp for painting or repairing?
- Is condensation forming in your work area?

The Problem
Frozen Machinery & Pipe Work

- Is your plant freezing or waxing up?
- Are your instruments affected by the cold weather?

The Solution...

...Portable ATEX Heater

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Portable ATEX Heaters - The Benefits

- Compact & lightweight.
- Weighs only 55 Kg.
- Ergonomically designed.

- Highly efficient heating.
- Optimised heating element design.

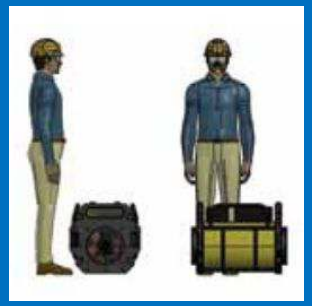
- Input voltage 400V +/- 10%.
- Operation 50/60Hz.

  3Ph+E or 3Ph+N+E compatible.

- ATEX Certified for zones 1 + 2.
- IP65.
- Temperature rating -20°C to +40°C.

- Produces airflow of 2130m^3/hour
- 15Kw output
- 15°C temperature rise

- Suitable for stacking and ducting.
  Flexible anti-static ducting connects directly to the heater.



- Can be easily moved.
- Can be placed close to the work area.

- Design ensures no heat loss.
- No coldspots in the airflow.

- Provides greater flexibility.
- Can be used to heat many areas

- Can be used in most environments.
- High specification standard brings peace of mind.

- The powerful airflow and efficient heating will heat any area impressively quickly.

- Heaters can be connected by ducting.
  Can be used in different configurations.

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Typical Configurations

1

Heater inside the work area

- Fastest way to increase the temperature.
- Recirculates the same air.
- No ducting needed.

2

Heater inside the work area with ducting to outside.

- Minimal heat loss.
- Fresh air brought in.
- Provides the necessary air changes .

3

Heater outside the work area with ducting to inside.

- Keeps fan out of working area.
- Quieter.
- Fresh air brought in.

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4

Heater with dual ducting.

- Keeps fan out of work area.
- Safe, clean air brought in.
- Less chance of bad air being brought in.

5

Multiple heaters.

- Heats area extremely quickly.
- Less ducting in working area.
- Can also be used inside work area

Compatible With

Ducting

30cm Flexible Ducting is highly durable, antistatic and flame retardant.

It is available in 5m and 10m lengths, along with various couplers to allow for many different configurations.

MDU

Unique and unrivalled design.

Marine grade stainless steel envelopes and protects GRP enclosure. Ultra compact, totally stable 3 phase power distribution.

Integrated cable storage hooks and carry handles.

Full MCB protection.

Portable ATEX Heater

A powerful, compact ATEX Heater for hazardous areas.

The portable ATEX Heater embodies many principles: ATEX, Tough, compact, powerful, user friendly and easily moveable.

The heater can be carried by 2 people to wherever it is needed.

It can be used in several different configurations, with or without ducting. Tough marine graded materials give it a long life, even in extreme

Highly flexible electronics can cope with many different electrical supply systems.

This powerful unit is an impressive heat source.

Now you can control the temperature in your working environments. Projects can be completed on time, even in low temperatures. Paint and composite repairs can be cured and frozen equipment thawed.

It can be used offshore or onshore, indoors or outside. It provides the necessary air changes as well as heat. Its design combines high durability with easy maintenance.

Delivered complete, ready to use and fully certified it can be pushed into action immediately.

Thanks to this new ATEX Heater safe warm air can now be produced wherever it is needed.

Key Features

- ATEX approved for Zones 1 and 2 (Gas)
- Compact and lightweight
- IP65
- Produces airflow of 3110m3 /hour
- IP65
- Up to 18Kw output
- Efficient heating
- Produces airflow of 3110m3 /hour
- Optimised heating element design
- Marine grade materials
- Multiple lifting handles
- Compatible with T&D Ducting & MDU

Key Applications

- Offshore platforms
- Oil Refineries
- Confined Spaces
- Fabric maintenance
- Pipeline maintenance
- Composite repairs
- Curing or drying paint

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Portable ATEX Heater

Standard Specification

Certification
II 2 G c IIB T3
Ex d e IIB T3 Gb

Operating Temperature
-40 to +40°C

Cable Options
10m Braided

Plug Options
32A CEAG 4P
Other options on request

Supply Voltage
400V (+/-10%)
3 Ph 50/60 Hz

Ingress Protection
-40 to +40°C

Dimensions
L 760mm x W 560mm x H 560mm

Weight
53kg Exc. Cable

TDPH15/400 CEA ATEX

Power
15Kw @ 400VAC

Current Draw @ 400VAC
Start up: 29A, Run: 23A

Voltage
400V +/- 10%

Free Airflow
3110m^3/h 1830cfm

Ducting Size
300mm Diameter

3 Phase supply
3Ph+E or 3Ph+N+E

Air Speed
15.5m/s 51ft/s

Typical Temp Rise
Approx. 20°C above ambient

Noise Level @ 1m
83dbA

Ordering Information

ATEX Heater

TDPH15/400CEA

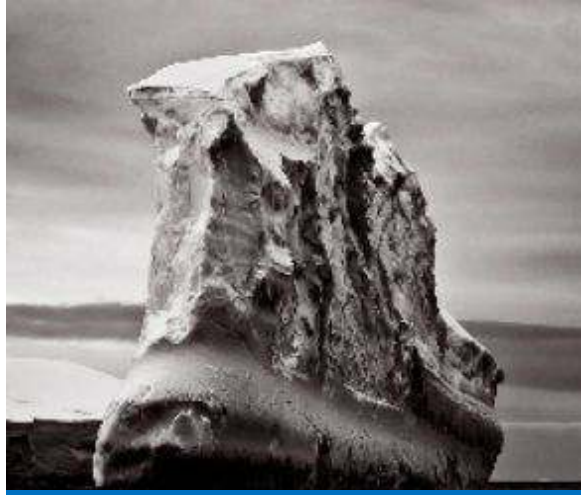
Accessories And Spares

TDFD30/05-EX
Anti-static Ducting 30cmØ 5m

TDFD30/10-EX
Anti-static Ducting 30cmØ 10m

TDFD30/CU
Duct Coupler 30cmØ

TDDU440/05-2EX
ATEX MDU with 32A Sockets



Don't forget to ask about our other Heating products or our full ranges of Lighting, Ventilation and Power

Our extensive range includes both ATEX approved and industrial products.

For more information please contact Thorne & Derrick on:

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