Thorne & Derrick
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FCR Hazardous Area Convector Heaters

Heavy duty folded steel construction and finned stainless steel elements give the FCR range an exceptionally long life. The FCR range is certified for use in hazardous areas where the atmosphere is classified as a Zone 1 or 2 (IIA, IIB, IIC) gas group.

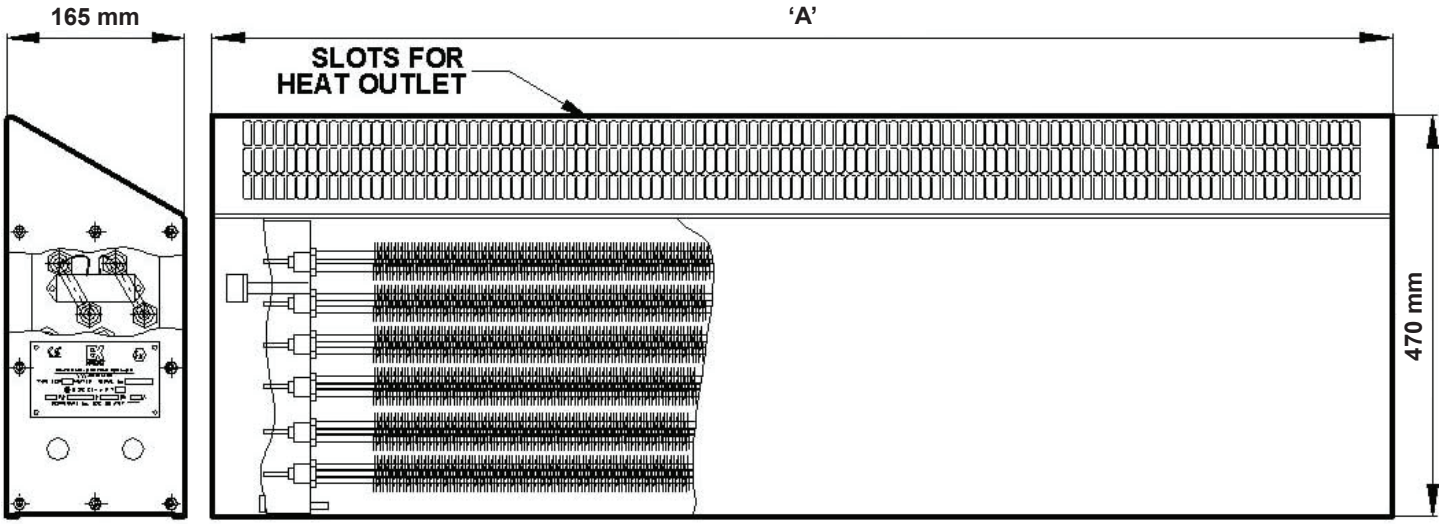
FEATURES

- Certified weatherproof protected to IP67
- Small footprint, occupying less floor space
- Sloped top, preventing objects being placed on the grill
- Floor or wall mounting
- Integral terminal enclosure
- Suitable for ambient temperatures from -60°C to +40°C
- Incoloy 800 finned elements for long life
- Grey gloss, powder coated, sheet steel construction
- Optional built-in room temperature control thermostat
- 2 × M20 (temporary plugged) cable entry provided as standard

TYPICAL APPLICATIONS

- Aircraft hangars
- Battery stores
- Chemical plants
- Container heating
- Frost protection
- Fuel servicing areas
- Gas installations
- Offshore installations
- Storage areas

Model Name	Load (kW)	Voltage (V)	Weight (kg)	Dim A (mm)
Convector Heaters Ex e II T3				
FCR 1110	1	110	17	1240
FCR 110A	1	110	19	1295
FCR 1240	1	240/415	17	1240
FCR 1240A	1	240	19	1295
FCR 2110	2	110	32	1240
FCR 2110A	2	110	34	1295
FCR 2240	2	240/415	32	1240
FCR 2240A	2	240	34	1295
FCR 3240	3	240/415	47	1750
FCR 3240A	3	240	49	1805



Certification
ATEX/IECEx Ⓔx II 2 G
Ex e IIC T3...T2 Gb Zone 1 and 2 (IP67)
CU TR (EAC) 1Ex e II T4...T2 Gb
CSA approval upcoming

Controls
If required, the heaters can be controlled from the EXHEAT Industrial range of remote mounted thermostats available for use in hazardous areas

Elements
Finned heating elements, comprising high quality 80/20 nickel chrome resistance wire, compacted in magnesium oxide insulating powder and encased in an Incoloy 800 sheath

Enclosure
Heavy duty powder coated mild steel

Mounting
Wall or floor mounting via brackets/feet supplied

Rating
Standard heating ratings 1kW, 2kW and 3kW

Voltage
1 phase: 110V to 120V and 230V to 254V
3 phase: 380V to 440V, subject to design parameters