

## HEF Hazardous Area Enclosure/Cabinet Heaters

The HEF is self-regulating, automatically adjusting its output to match ambient temperatures. Coupled with its compact design, this makes the HEF ideal for anti-condensation, frost protection and temperature control for all instrumentation and switch gear applications. The HEF range is certified for use in hazardous areas where the atmosphere is classified as a Zone 1 or 2 (IIC) gas group.



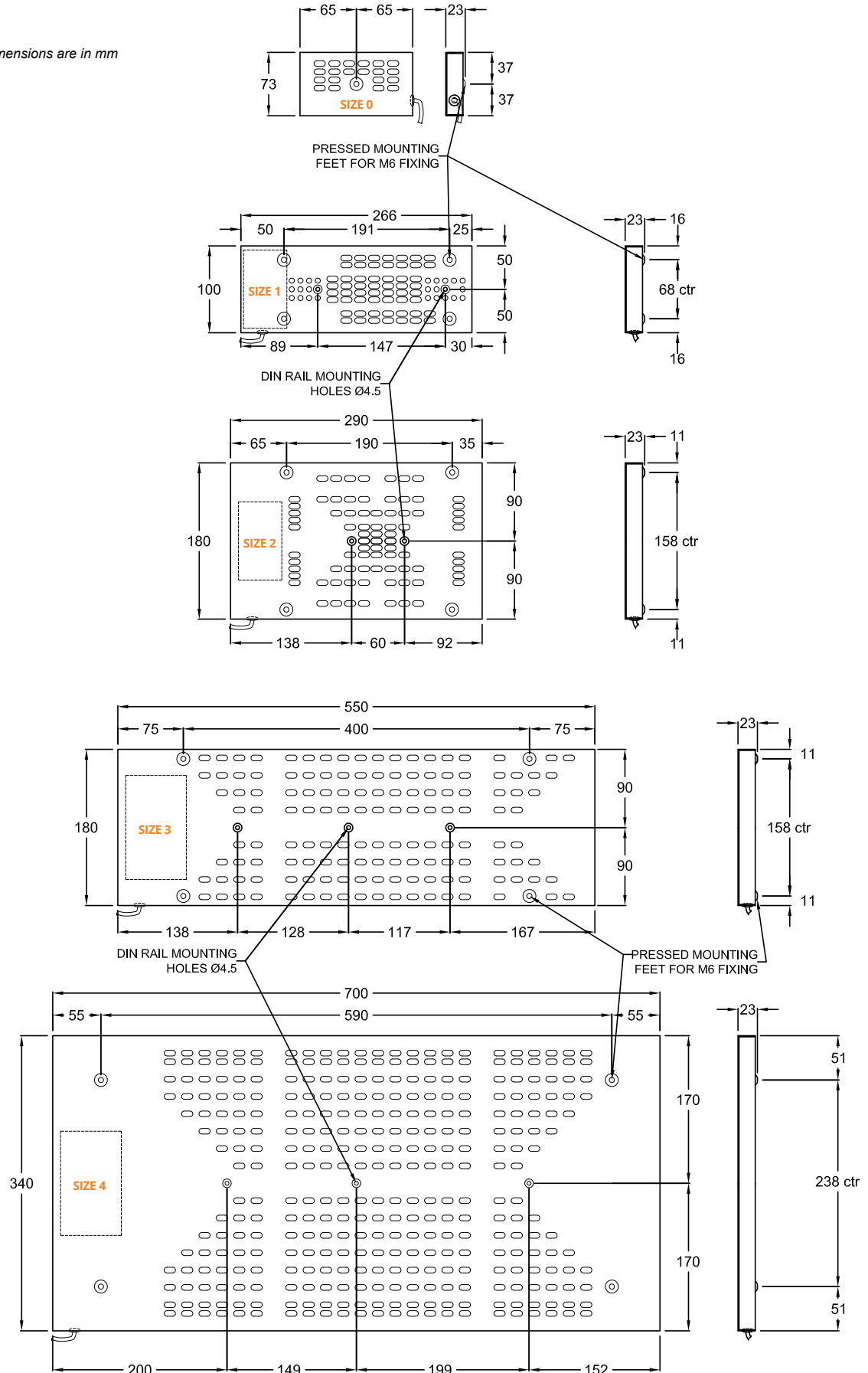
### FEATURES

- Certified and declared in accordance with ATEX directive 2014/34/EU
- Certified to CSA (Divisions and Zones) standards for North American markets
- Compact, low profile, 316 stainless steel case, requires minimal space
- Self-regulating - can be used without a thermostat
- Suitable for ambient temperatures from -60°C (-55°C for CSA certified models only) to +80°C
- Mounting of the heater can be in any orientation
- Design allows for closer installation proximity to internal components and cables (minimum distance 100mm away)

### TYPICAL APPLICATIONS

- Condensation prevention
- Container skid housing
- Control/monitoring panels
- Control valve housings
- Fire hose cabinets
- Frost protection
- Generators
- Instrumentation cabinets
- Manifolds
- Motor enclosures/cabinets
- Temperature fluctuations

All dimensions are in mm



**ATEX/IECEX, CU TR (EAC), KGS certification available**

Model	Output	Temperature Class	Weight	Size of Casing
HEF30	30W	T4	0.4kg	SIZE 0
HEF50	50W	T4	1.0kg	SIZE 1
HEF100	100W	T4	1.5kg	SIZE 2
HEF200	200W	T4	3.0kg	SIZE 3
HEF500	500W	T4	6.5kg	SIZE 4

**CSA**

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**Note:** CSA T4 certified models available upon special request.

**Certification**

**ATEX/IECEX**

Ⓜ II 2 G Ex e IIC T4 Gb

**CSA ® (CAN & USA)**

CAN: Class I, Division 2, Groups A, B, C and D, T3 or T4

CAN: Ex e IIC T3 or T4 Gb

USA: Class I, Division 2, Groups B, C and D, T3 or T4

USA: Class I, Zone 1, AEx e IIC T3 or T4 Gb

**CU TR (EAC)**

1Ex e II T4 GB

**KGS certification available**

Ex e IIC T4

**Casing**

316 perforated stainless steel

**Controls**

The HEF is self-regulating, automatically reducing its output as the ambient temperature rises. If overall enclosure temperature control is required, it is recommended that the HEF heater be used in conjunction with the AFT, HFT or FXT flameproof air sensing thermostats

**Elements**

Self-regulating

**Mounting**

The heater may be mounted in any orientation, using appropriate securing bolts through the mounting feet or DIN rail holes

**Rating**

The HEF range is available in a nominal 30W, 50W, 100W, 200W and 500W outputs

**Voltage**

Models available for 110V to 120V and 230V to 240V 1 phase supplies (max 254V subject to design parameters)