

HEF Hazardous Area Enclosure 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

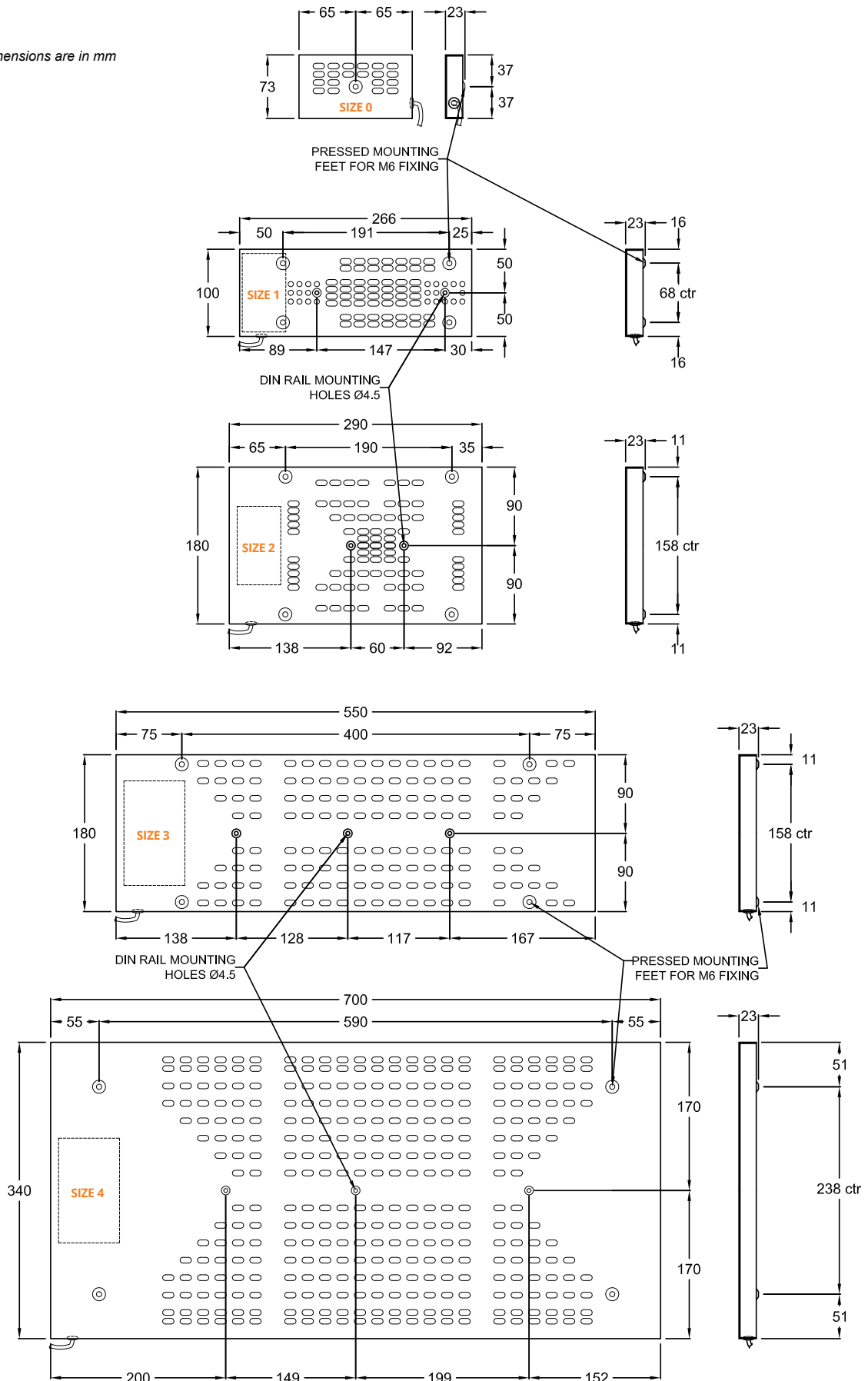
Mounting of the heater can be in any orientation

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
Temperature fluctuations	Valve blocks

All dimensions are in mm



ATEX / IECEx, CU TR, KGS Certified Models

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 Certified Models

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HEF500	500W	T3	6.5kg	SIZE 4

Note: CSA T4 certified models available upon special request.

Certification

ATEX / IECEx

Ex II 2 G Ex e IIC T4 Gb

CU TR (EAC)

2 Ex e II T4

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

KGS

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)