

Comparison Chart

Heatrex offers a selection of explosion-proof heater constructions to meet your specific application.

233 Series

Our most popular and versatile construction has a broad range of stock designs, special options and the industry's lowest Ignition Temperature Code rating, 320°F (160°C).



Features	233 Series
Hazardous Location NEC Classifications	Class I, Divisions 1 and 2, Groups C and D Class II, Divisions 1 and 2, Groups E, F, and G Class 1, Zones 1 and 2, Groups IIB
Ignition Temperature Code	T3C 320°F (160°C)
KW Range	Up to 30 KW
Standard Built-in Overtemperature Protection	Dual overtemperature protection with automatic and manual reset thermal cutouts
Other Standard Built-in Controls	Controlling contactor, control circuit transformer
Standard Control Voltage	24V
Single Point Line Voltage Connection for Incoming Power	Yes
Optional Built-in Controls	
Thermostat	Yes
Disconnect Switch	Yes
Selector Switch	Yes
Manual Reset Cutout	Standard
"Heater On" Pilot Light	Yes
"Warning" Pilot Light	Yes
Control Circuit Transformer	Standard
Standard Construction	
Heater Assembly	Liquid-to-air heat exchanger, steel tube with aluminum fins, propylene glycol, immersion heater
Cabinet/Housing	Powder coated galvanized steel
NEMA 7, 9 Control Enclosure	Cast aluminum
Mounting Brackets	Wall, ceiling or pole mounting kits (optional)
Optional Constructions	
Dirty Duty Corrosion Resistant	Choice of 316SS Construction or Heresite® coating
Wet Location	Suitable for IP55 wet locations
50 Hertz Motor	Yes
Agency Approvals	
	CSA _{US}



Comparison Chart

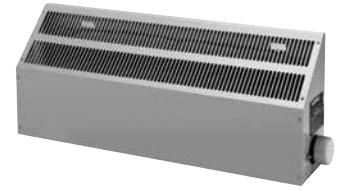
236 Series

The industry's smallest and most economical design for Class I, Group D applications up to 12 KW.



254 Series

Small, compact design with a wide range of optional built-in controls.



236 Series	254 Series
Class I, Divisions 1 and 2, Group D Class 1, Zones 1 and 2, Group IIA	Class I, Divisions 1 and 2, Groups B, C and D Class II, Divisions 1 and 2, Groups E, F, and G Class 1, Zones 1 and 2, Groups IIC
T3 392°F (200°C) (Varies with KW)	T3C 320°F (160°C) (Varies with classification)
Up to 12 KW	Up to 9.5 KW
Primary and secondary automatic reset cutouts with fan relay	Primary automatic reset cutout
Controlling contactor	None
120V	Maximum 277V
Separate 120V motor line required	Yes
Yes	Yes
No	No
No	No
Yes	No
No	No
No	No
No	Yes
Stainless steel finned tubular elements	Heater core enclosed in copper tube with large aluminum fins
Stainless steel	Powder coated galvanized steel
Cast aluminum	Cast aluminum
Swivel mounting bracket (standard)	Wall mounting bracket (standard)
Yes	Wet locations (Type 3) iridite coated elements
No	Wet locations (Type 3) iridite coated elements
No	N/A
CSA _{us} & ABS	CSA _{us} & ABS

