

More infrared heat with less energy

The Cata-Dyne™ WX Series Explosion-Proof Heater is more efficient, produces more radiant infrared power and offers more energy savings than competing brands. This heater, exclusive to CCI Thermal Technologies Inc., is highly fuel efficient and creates superior infrared heat.

More radiant infrared power

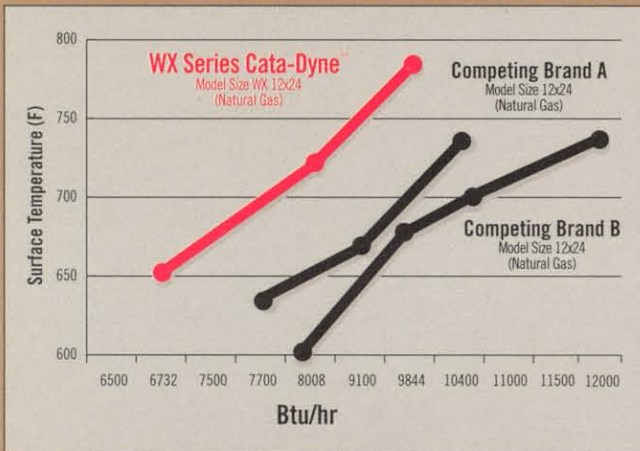
The quantity of energy radiated by a body, its radiant power, is directly related to its surface temperature. Scientists use a complex formula — the Stefan Boltzman Law — to express this simple concept: hot objects

generate more radiation than cooler objects.

The higher operating surface temperatures of the Cata-Dyne™ WX Series Explosion-Proof Heater means that it has more radiant infrared power than competing brands.

New proprietary catalyst formulations, developed by CCI Thermal laboratories,

have proven in field applications to show significant advancement in the infrared heating technology. Uniform heat distribution, high fuel efficiencies, more radiant power and a certified explosion-proof rating make the WX Series revolutionary.



Approved For Use in Explosive Atmospheres

The WX Series Cata-Dyne™ Heater is certified by the Canadian Standards Association (CSA) for use in Class I, Divisions 1 and 2, Group D hazardous locations.

The WX Series Cata-Dyne™ Heater is the only flameless infrared catalytic gas heater certified by Factory Mutual (FM) in the USA for use in Class I, Divisions 1 and 2, Group D hazardous locations.



Cata-Dyne™



WX Series Explosion-Proof Heater

A Leader In Advanced Heating Solutions



Systems, Inc.

International Measurement and Control Systems

IMAC SYSTEMS, INC.

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More Efficient

When comparing Btu/hr ratings vs. fuel consumption, the WX Series Cata-Dyne™ Heater is 20% more efficient than the closest competitor's heater of the same model size.

Cata-Dyne™ WX Series Heater vs. Competing Brands

Heater	Cata-Dyne™ WX Series Heater	Competing Brand A	Competing Brand B
Model Size	WX12x24 (Natural Gas)	Box Size 12x24 (Natural Gas)	Box Size 12x24 (Natural Gas)
Btu/hr Input (CSA Rated)	8,000 Btu/hr	8,000 Btu/hr	12,000 Btu/hr
Btu/hr Input (Orifice Size)	8,008 Btu/hr	6,961 Btu/hr	11,556 Btu/hr
Average Surface Temperature	730°F	640°F	700°F
Btu/hr Output	5,797 Btu/hr 72% Efficiency Rating	4,169 Btu/hr 52% Efficiency Rating	5,211 Btu/hr 43% Efficiency Rating

More Energy Savings

The higher infrared radiant power and superior efficiency of the WX Series Cata-Dyne™ Heater means that it takes fewer heaters than competing brands to heat the same space. It also consumes significantly less fuel.

In the example below, the WX Series Cata-Dyne™ Heater requires fewer heaters to heat the same sized building when comparing heat load calculations.

Cata-Dyne™ WX Series Heater vs. Competing Brands

Heater	Cata-Dyne™ WX Series Heater	Competing Brand A	Competing Brand B
Heating Requirements For Building	25,000 Btu/hr	25,000 Btu/hr	25,000 Btu/hr
Model Size	WX12x24 (Natural Gas)	Box Size 12x24 (Natural Gas)	Box Size 12x24 (Natural Gas)
Btu/hr Output	5,797 Btu/hr	4,169 Btu/hr	5,211 Btu/hr
Average Surface Temperature	730°F	640°F	700°F
Heaters Required to Heat Building	25,000 / 5,797 = 4.3 Heaters	25,000 / 4,169 = 6.0 Heaters	25,000 / 5,211 = 4.8 Heaters
Fuel Consumption (Natural Gas Required)	34.4 Cubic Feet Natural Gas/hr	41.8 Cubic Feet Natural Gas/hr	55.5 Cubic Feet Natural Gas/hr