

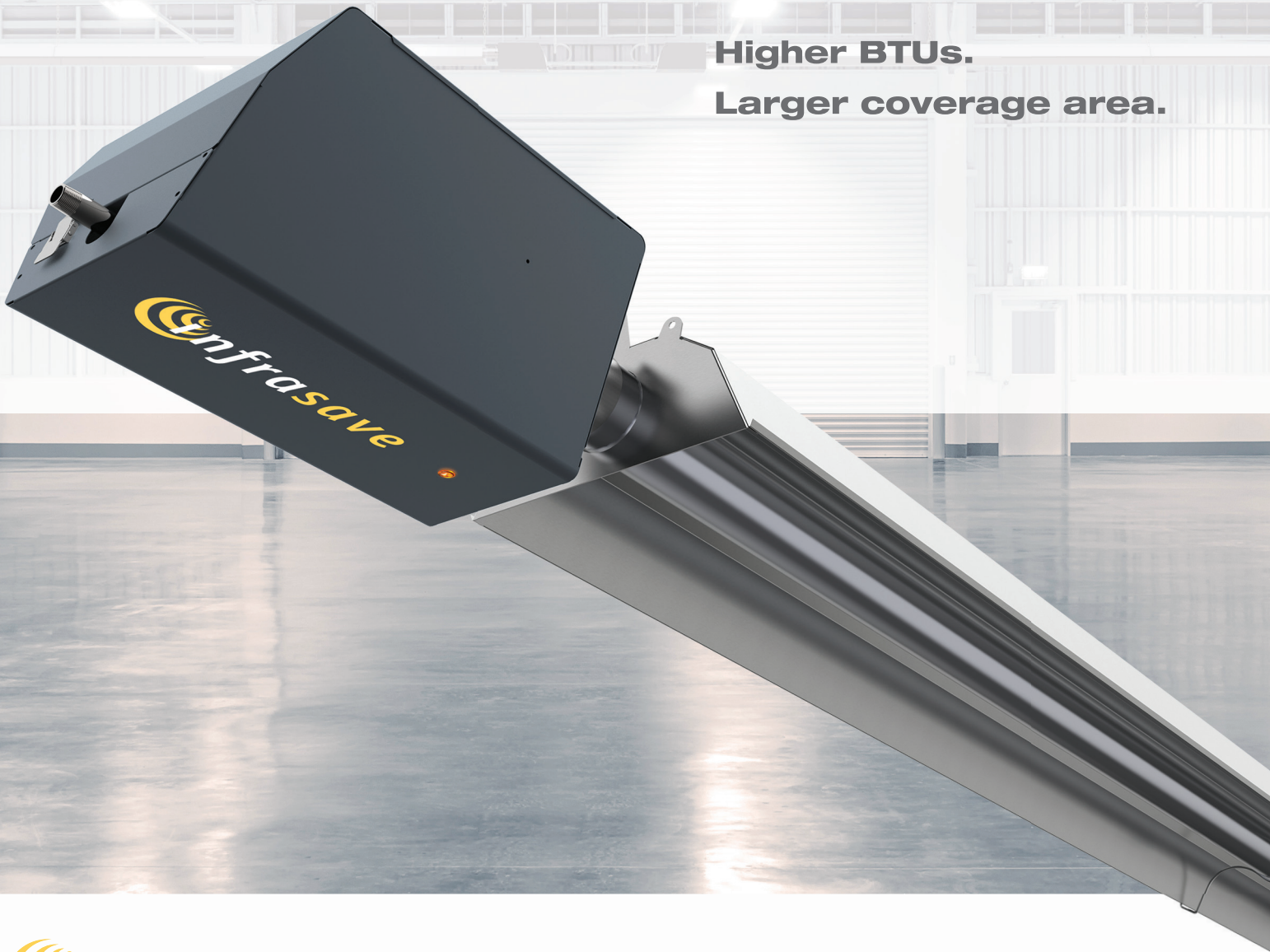
Built with an ECM Blower

# superTube®

Performance and efficiency reinvented.

Higher BTUs.

Larger coverage area.



[www.infrasave.com/supertube](http://www.infrasave.com/supertube)



**The latest advancement in infrared radiant heating- built with EC Motor [ECM] technology, advanced whisper-quiet operation, and true modulation models.**

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# Experience Infrasave **superTube**<sup>®</sup>

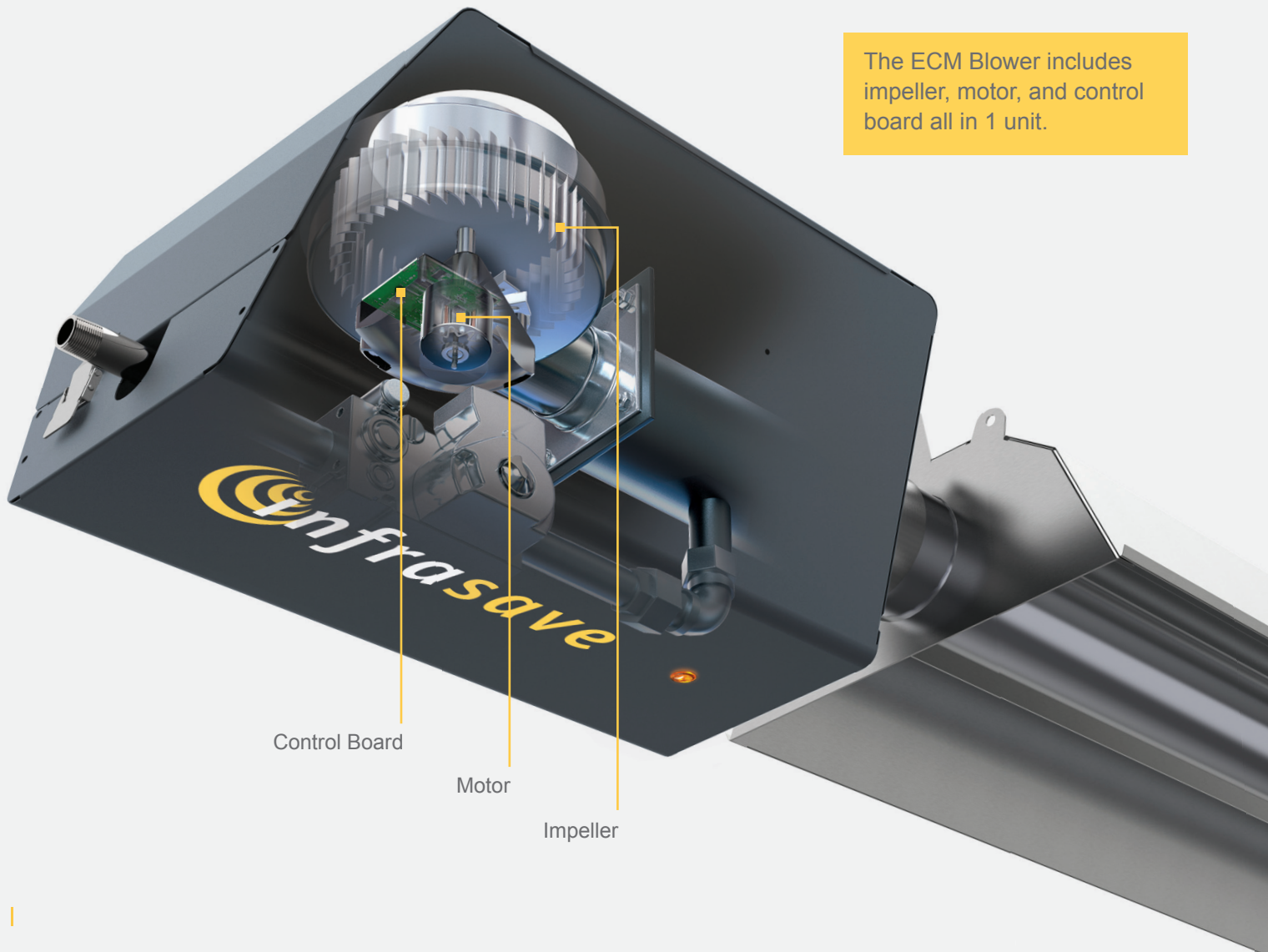
Optimize your building with the latest gas fired infrared technology.

Infrasave is the first and only manufacturer in North America to use EC Motors across the complete superTube product line of single-stage, two-stage, and modulating infrared tube heaters.

## → **Electronically Commutated Motor [ECM]**

- Provides +85% energy efficiencies throughout a full range of operation, in addition to whisper-quiet operation.
- An EC Motor is 2x more efficient than a PSC motor [Permanent Split Capacitor] and 3x more efficient than a Shaded Pole AC motor which is commonly used for infrared tube heaters.
- A constant torque EC Motor leads into more robust and stable combustion through the heaters' entire range of operation and external pressure changes.

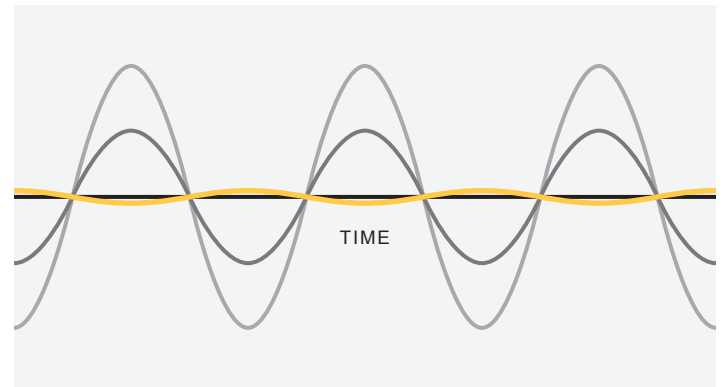
The ECM Blower includes impeller, motor, and control board all in 1 unit.



## → ECM Technology in superTube True Modulating Models

- The custom control board provides real-time optimization of fuel to air ratio for the perfect combustion through communicating with EC Motor and modulating gas valve.
- Eliminates temperature swings by pairing ECM technology with gas valves.
- The heating system's service life significantly increases as frequent ON/OFF cycles [cold starts] are reduced.
- Adapt the heat demand in the space to maintain a consistent comfort level by truly modulating the heat.

## Temperature Swing



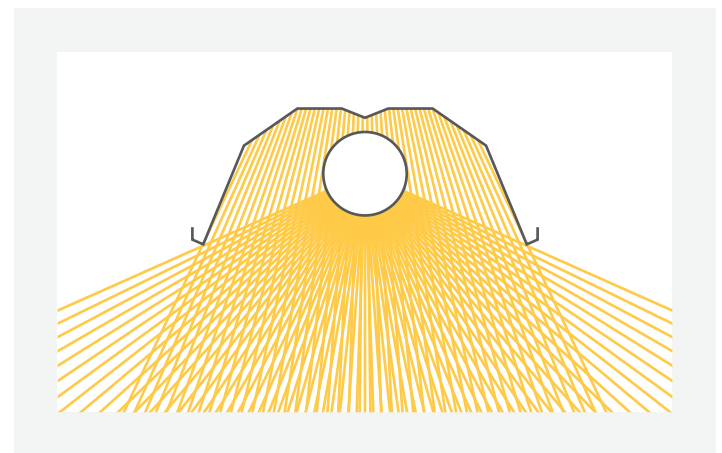
— Single-Stage — Two-Stage — Modulating — Desired Temperature

## → Optimized Reflector

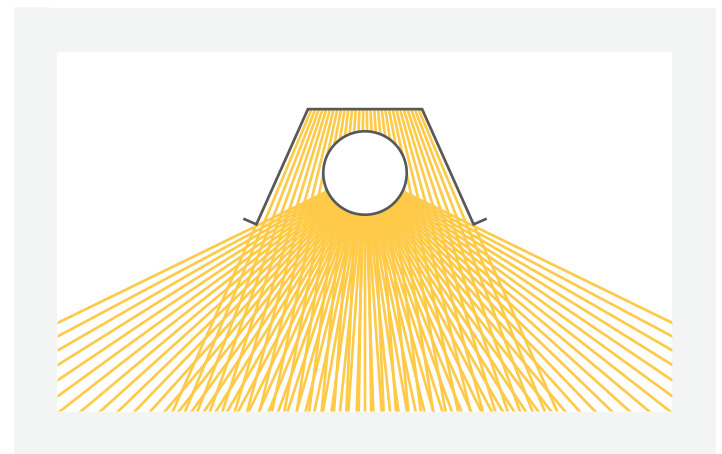
- The new reflector geometry provides increased efficiency over conventional reflectors and maximizes the heat distribution throughout the entire radiant area.
- A reduced air gap on the top of the tube heater results in less convection heat loss.
- Providing a more uniform heat distribution across the same heating surface.



## New Reflector



## Conventional Reflector



# Infrasave **superTube**®

Experience the **newest** technology in infrared radiant tube heaters.



## → Features:

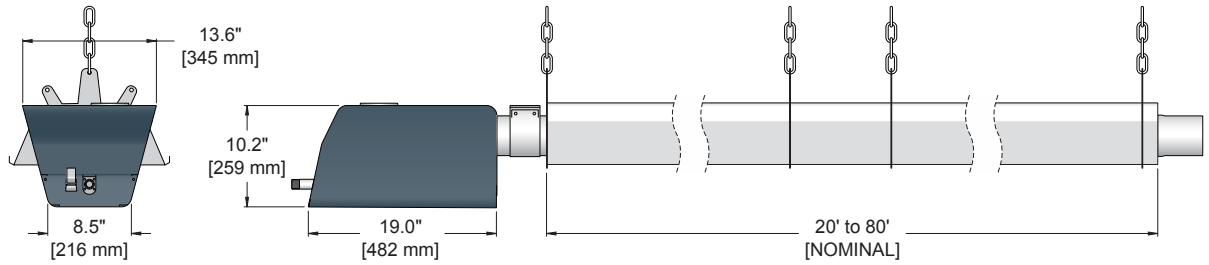
- Models range from 50,000 to 250,000 BTUHS, 20 – 80 ft length systems, and highest mounting options up to 50 ft.
- Available in NG/LP single-stage, two-stage, and modulating superTube [IST] models.
- Factory-installed turbulators and mounted ignitor.
- The burner housing design features a refined shape, new contemporary color and LED illuminating light.
- High-efficiency EC Motor technology with 85% motor efficiency and advanced whisper-quiet operation.
- True modulation adjustment of both air and gas allows precise control of the real-time response to the demand.
- Optimized reflector geometry provides increased efficiency over conventional reflector and maximizes heat distribution throughout the entire radiant area.
- Differential pressure switch design allows for variations in the ambient pressure.
- Emissive coated radiant tubes significantly improve the thermal efficiency of infrared heaters.
- Improved serviceability with screwless swing-down cabinet service access paired with a clamshell design and access hatch to the burner cup, which provides access to all components.
- Power cord with plug and flexible gas connector included.
- Optional 24V thermostats include Infrasave Tru Temp, Digital, ZonePRO Modulating, or Relay Multiple Heaters.
- Industry-leading warranty of 3 years on all components and 10 years for radiating tubes/burner cup.
- Perfect for commercial, industrial, warehouse, and distribution center applications\*.
- C-UL-US certified compliance with both Canadian and USA requirements.

\*Contact us about superTube U-Tube models and harsh environment models



## → Dimensions and specifications

With a wide range of sizes and models available, choose the ideal superTube to use in your commercial space.

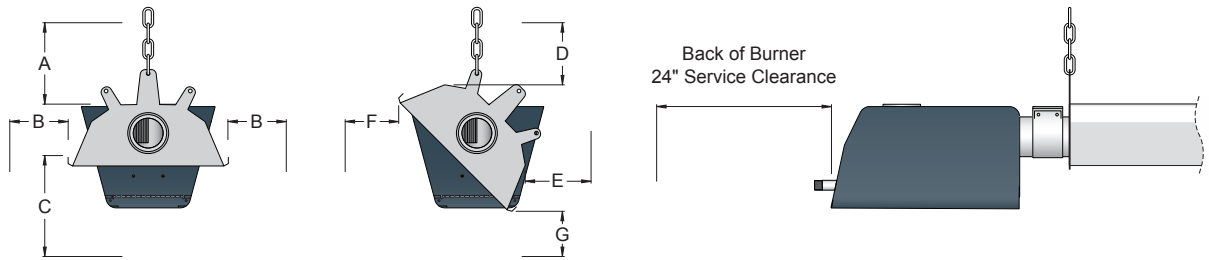


### Tube Lengths

- Single-Stage
- Two-stage
- Modulating

Model	20'	30'	40'	50'	60'	70'	80'
IST 250					■ ■ ■	■ ■ ■	■
IST 225					■ ■	■ ■	■
IST 205				■ ■ ■	■ ■ ■	■	
IST 180				■ ■	■ ■	■	
IST 155			■ ■ ■	■ ■ ■	■		
IST 130		■ ■	■ ■	■			
IST 115		■ ■ ■	■ ■ ■	■			
IST 80	■ ■ ■	■ ■ ■	■				
IST 65	■ ■	■ ■	■				
IST 50	■ ■	■ ■	■				

## → Clearance to combustibles



Model	Suspended Horizontally			Suspended at an angle up to 45°			
	A	B	C	D	E	F	G
IST 250	12"	44"	95"	14"	6"	78"	82"
IST 225	12"	42"	92"	12"	6"	78"	78"
IST 205	8"	40"	88"	10"	6"	78"	74"
IST 180	7"	36"	84"	8"	4"	76"	72"
IST 155	6"	30"	80"	7"	4"	74"	66"
IST 130	6"	28"	78"	7"	3"	72"	64"
IST 115	5"	26"	74"	5"	3"	70"	62"
IST 80	5"	24"	62"	5"	3"	60"	54"
IST 65	4"	22"	52"	4"	3"	50"	48"
IST 50	4"	20"	42"	4"	3"	44"	40"

# Gain a performance edge, with the latest advancements in infrared radiant heating and air curtain technology.

Experience creates security.

The name **Infrasave** has been synonymous with high-quality and economical commercial/industrial heating systems for decades. As an industry leader in gas infrared heating and air curtain systems, Infrasave has extensive experience. We stand by our claim to deliver products and services of the highest quality and performance, with an ease of installation always top of mind. With Infrasave, you rely on a premium trusted manufacturer.

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