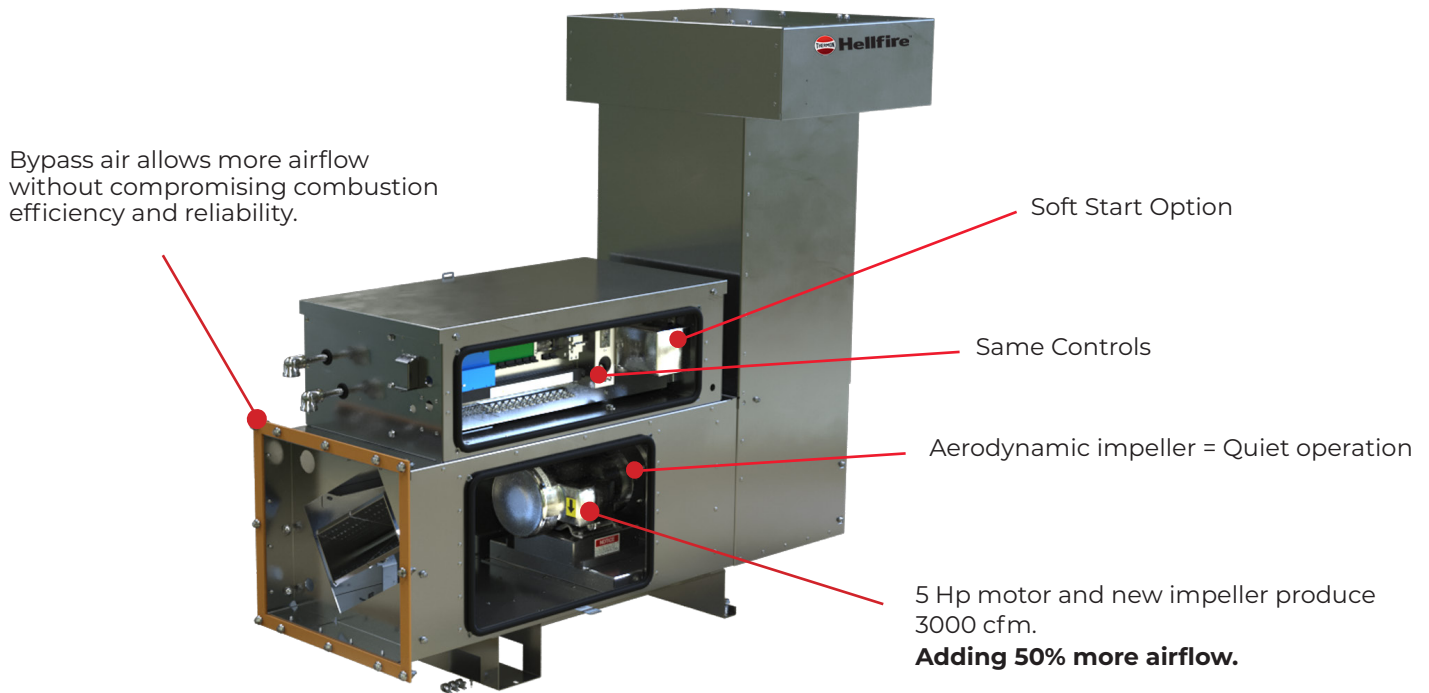




Hellfire™

905 BLIZZARD DUTY

Thermon's Blizzard Duty Hellfire 905 is the most powerful member of the Hellfire™ family. Increased airflow and high discharge velocities make the Blizzard Duty the ideal solution for harsh environments with strong prevailing winds. An all new high efficiency 5hp blower design maximizes airflow while minimizing noise levels.



FEATURES & BENEFITS

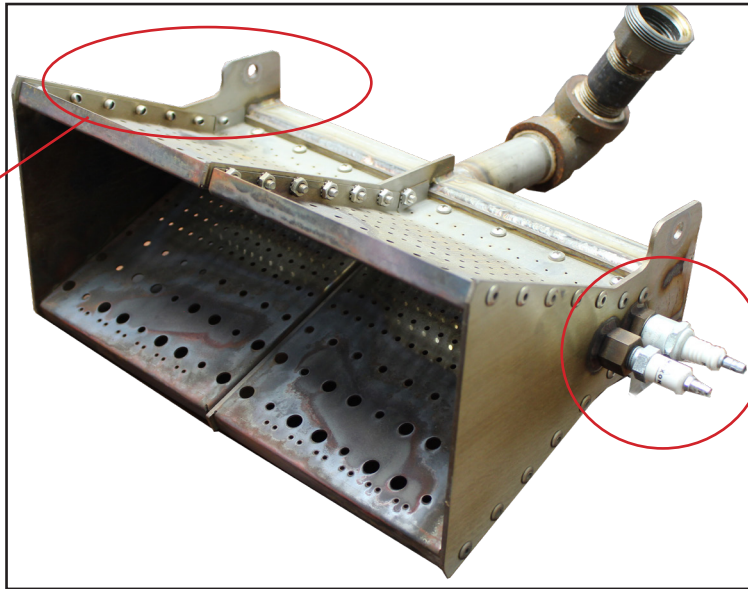
- › High discharge velocities for clearing snow in harsh environments
- › Low noise design suitable for urban installations
- › Soft start option to eliminate inrush currents for sites with compromised power
- › ArcticSense snow detection system
- › CSA certified, high efficiency burner design for low overall cost of ownership
- › Downward compatible with existing ducting systems

SPECIFICATIONS

Model	Fuel Input	Motor/Blower	Airflow	Voltages	Options
HELLFIRE 905	Up to 900,000 BTU/hr (264 kW) Natural Gas or Propane	5 HP Direct-drive Centrifugal	Up to 3000 CFM (5097 m ³ /hr)	240V 1Φ 208/460/575V 3Φ	<ul style="list-style-type: none">» Energy management system with ArcticSense snow detector.» 240V 1 phase soft start motor current limiter.» Motor current monitoring kit.» Low or high intake option.

HELLFIRE BURNER

Mechanical fasteners allow for expansion and contraction.



Igniter and flame rod centered and perpendicular to flame path.

HELLFIRE DESIGN FEATURES (Provide superior construction, reliability, and efficiency)

- › Burner defroster prevents condensation on flame rod and igniter resulting in reduced ignition failures.
- › 98% Efficient burner operation delivers maximum heat output and minimizes carbon soot build up on igniter and flame rod.
- › **Proprietary** flame rod modifications minimize moisture ingress, loss of flame signal and nuisance alarms.
- › Motor/impeller assembly factory balanced to 0.20 in/s or less maximizes bearing life and reduced noise levels.
- › 100% Stainless steel burner extends service life, minimizes corrosion build up in gas orifice and reduces maintenance frequency by 50%.
- › Rail thermostat isolation and surge protection exceeding AAR standard of 3000 Vac maintains track circuit integrity and protects heater controls.
- › Fail safe rail thermostat defaults heater to full output in the event of thermostat failure.
- › Controller features:
 - » -40C rated components and heated output relays ensuring reliable operation at extreme temperatures.
- › Certified to AREMA Environmental 11.5.1 for EMI/ EMC, temperature, humidity, and tested to vibration and shock.
- › Tie duct incorporates 4 redundant insulated joints between rails, each rated to AAR standards, ensuring track circuit integrity.
- › Chassis design facilitates laminar air flow resulting in;
 - » reduced noise,
 - » efficient combustion and
 - » 3000 scfm air volume.



FOR ADDITIONAL INFORMATION:

www.Thermon.com

