

## Forced Air Burner Comparison

Burner Feature Comparison	Old Burner System	New Burner System
<p><b>Number of Gas Orifices to Maintain.</b>  <b>The new forced air burner only has one orifice to maintain, this saves troubleshooting and service time.</b></p>	44	1
<p><b>Gas volume necessary to obtain 140 degree temperature rise. Shown in inches of water column. Variances in gas delivery due to outside temperature, tank capacity levels and facilities total gas usage dictates a less than adequate gas supply resulting in poor combustion and coil soot buildup.</b>  <b>The new forced air burner requires 30% less fuel to operate and eliminates soot buildup.</b></p>	11"	3" to 5"
<p><b>Burner blower system provides air flow to insure 100% combustion of fuel.</b>  <b>The new forced air burner eliminates soot buildup resulting in costly repairs and poor temperature rise.</b></p>	No Blower System, relies on natural air flow to provide proper draft.	Blower is integral part of design
<p><b>Burner blower reduces downdraft.</b>  <b>The new forced air burner has an internal blower system that reduces possible downdrafts, eliminating dangerous carbon monoxide in the work area and potential for severe equipment damage.</b></p>	No Blower System, relies on natural air flow to provide proper draft.	Blower is integral part of design
<p><b>Burner system senses proper air flow for combustion.</b>  <b>The new forced air burner senses for adequate airflow and combustion. If the sensors reveal unsafe conditions the system automatically shuts down.</b></p>	No safety monitoring system.	Integrated safety monitoring system.
<p><b>All burner components are designed, assembled and provided by one manufacturer as an engineered system.</b>  <b>The new forced air burner includes the blower, gas valve, gas regulating system, electronic ignition, burner orifice and safety sensing system in one bolt on package that provides dependable operation, easy troubleshooting and service.</b></p>	Burner components are provided by three or four different suppliers.	Fully engineered package from gas inlet to burner orifice.
<p><b>Burner Base is sealed eliminating intrusion from rodents causing costly damage.</b>  <b>The new forced air burner blower system provides all the intake air necessary for combustion and eliminates the naturally asperated burner ring that was open and allowed rodents up into the coil. This eliminates costly repairs and potential fire hazard of igniting the rodent nesting material.</b></p>	Open base allows for any rodents to contaminate the burner chamber.	Sealed base keeps all foreign material and rodents from entering the burner chamber.