



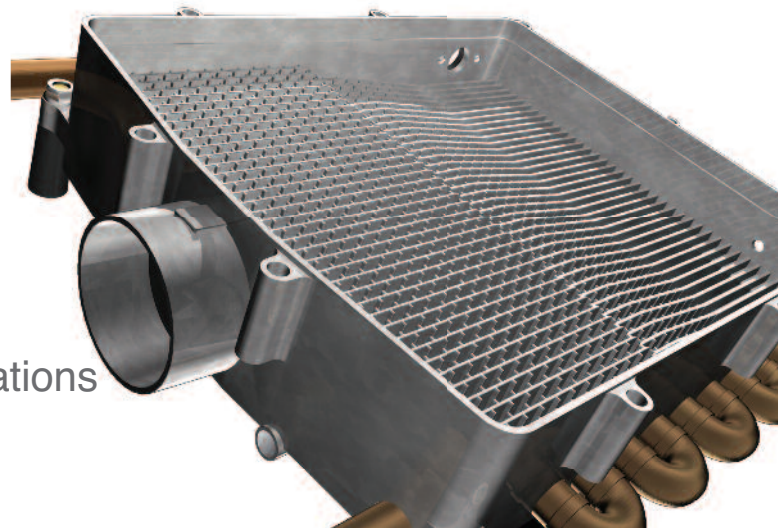
Challenger Solo

Condensing High Efficiency Gas Boiler



The Challenger Solo Condensing Boiler's reliable copper tube/aluminum block heat exchanger is paired with an advanced control that automatically regulates the capacity of the boiler to maximize efficiency without compromising comfort.

- > Combination Copper Water Tube, Aluminum Block Heat Exchanger
 - > Glycol Compatible
 - > Up to 92.3% AFUE
 - > 3" PVC, CPVC, SS Twin Pipe Venting
OR
Concentric Venting for Single Wall Penetration
- > Standard Outdoor Reset
 - > Whisper Quiet Operation
 - > Indirect Water Heater Compatible
 - > Low NOx
 - > 4 Models from 85 to 145 MBH
 - > Light Weight
 - > Compact Footprint for Closet Applications
 - > Direct Vent/Sealed Combustion



Technical Specifications



Model	CC 85s	CC 105s	CC 125s	CC 150s
Input Modulation (MBH)	23 to 84	29 to 106	33 to 124	33 to 145
AFUE	90%	90%	90%	92.3%
DOE heating Capacity (MBH)	75	94	110	129
Net Boiler IBR Rating (MBH)	65	82	96	112
Fuel	NG and LP	NG and LP	NG and LP	NG and LP
General Specifications				
Cabinet Height (Inch)	23 1/4	25 1/2	28	28
Cabinet Width (Inch)	17 3/4	17 3/4	17 3/4	17 3/4
Cabinet Depth (Inch)	9 1/2	9 1/2	9 1/2	9 1/2
Weight (Lbs)	66	73	80	80

- Boiler Certified to ANSI Z21.13 / CSA 4.9
- 5 and 10 year parts and labor plans available
- Convenient spare parts kit available

Standard Features

Heat Exchanger

- Copper waterway cast directly in the heat exchanger
- Cast aluminum heat exchanger with vertical flueways
- 10 year (non-prorated) limited warranty

Burner

- Stainless steel burner with woven steel fiber mesh
- Direct spark ignition
- Variable speed blower assembly
- Negative pressure regulated gas valve
- Propane conversion orifice

Sensors

- Boiler supply temperature
- Boiler return temperature
- Boiler outlet pressure
- Flue temperature

Intake and Venting

- 3" parallel venting (standard)
- 80/125 concentric venting (optional)
- PVC, CPVC, SS material options

Control

- Digital control displays in US customary or metric units
- Advanced modulating temperature control
- Outdoor reset
- Boiler low water protection
- Freeze protection
- High limit protection

Electrical Connections

- 120V/60Hz Power supply
- Primary pump
- Thermostat
- Outdoor sensor
- Indirect water heater aquastat

Piping Connections

- EZ Install piping mounting bracket
- 1" NPT boiler inlet and outlet
- 3/4" condensate drain
- Simple primary/secondary connections with optional Timesaver manifold

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