



Lochinvar[®]
HIGH EFFICIENCY BOILERS & WATER HEATERS

COPPER-FIN[®]
BOILER
Submittal Sheet

CB-Sub-12

COPPER-FIN[®] GAS BOILERS (MODELS CB 0497-2067)

JOB NAME _____

LOCATION _____

ENGINEER _____

WHOLESALE _____

MECH. CONTRACTOR _____

MODEL NO. _____

TYPE GAS _____

Btu/hr INPUT _____

Btu/hr OUTPUT _____

NOTES _____

Standard Features

- 81% Thermal Efficiency
- Electronic Temperature Control
- Fan Assisted Combustion
- Sealed Combustion Chamber
- Stainless Steel Burners
- Low NOx Operation Exceeds the Most Stringent Air Quality Requirements
- ASME Copper Finned Tube Heat Exchanger
- 160 psi Working Pressure
- Gasketless Heat Exchanger Design
- Pump Relay w/ Delay
- Down Stream Test Valve
- Referenced Gas Valves
- Loch-Heat Ceramic Tile Combustion Chamber
- Hot Surface Ignition
- Adjustable High Limit w/ Manual Reset
- 50 psi ASME Relief Valve
- Temperature & Pressure Gauge
- Flow Switch
- 24 Volt Control System
- BMS Terminal Strip
- Combustion Air Filter
- Freeze Protection
- 10 Year Limited Warranty on Heat Exchanger (See warranty for details)

Optional Equipment

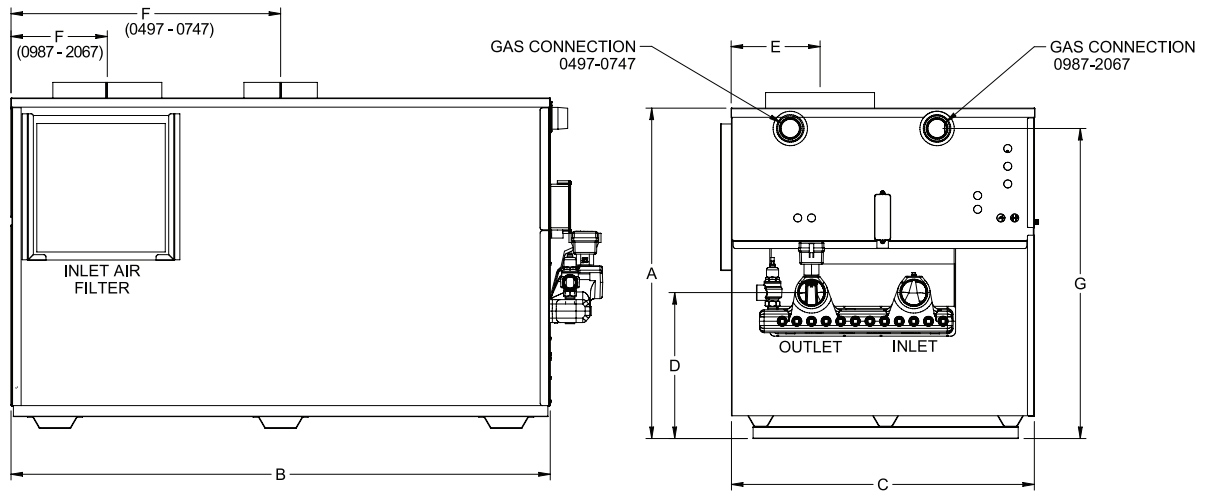
- Alarm Bell
- Contacts on any Failure
- Contacts for Air Louvers
- Cupro-Nickel Heat Exchanger
- High & Low Gas Pressure Switch w/ Manual Reset
- Outdoor Reset Control
- Manual Reset Low Water Cut-Off w/ test
- Stack Frame
- MP² Sequencer
 - 30 psi ASME Relief Valve
 - 75 psi ASME Relief Valve
 - 100 psi ASME Relief Valve
 - 125 psi ASME Relief Valve
 - 150 psi ASME Relief Valve

Available Firing Systems

- M9 Hot Surface Ignition with Electronic Supervision (Standard)
- M13 GE GAP/FM/CSD1
- M7 California Code

Registered under U.S. Patent # 5,989,020

Copper-Fin® Gas Boiler Dimensions & Specifications



Copper-Fin Heating Boiler					Dimensions & Specifications									
Model Number	Input Max MBH	Thermal Efficiency	Heating Net AHRI Capacity Rating		A	B	C	D	E	F	G	Gas Conn.	Vent Size	Shipping Weight
			MBH	MBH										
CBN0497	495	81%	401	349	31-1/2"	45-1/4"	22-1/4"	12-1/2"	9-1/2"	22-3/4"	29-1/2"	1-1/4"	6"	440
CBN0647	645	81%	522	454	31-1/2"	56-3/4"	22-1/4"	12-1/2"	9-1/2"	28-1/2"	29-1/2"	1-1/4"	8"	510
CBN0747	745	81%	603	524	31-1/2"	64"	22-1/4"	12-1/2"	9-1/2"	32"	29-1/2"	1-1/4"	8"	550
CBN0987	985	81%	798	694	36"	48-1/4"	33-1/2"	15-3/4"	8-1/2"	8-1/2"	33-3/4"	2"	10"	845
CBN1257	1255	81%	1,017	884	36"	58-1/2"	33-1/2"	15-3/4"	9-1/2"	10-1/2"	33-3/4"	2"	12"	905
CBN1437	1435	81%	1,162	1,010	36"	68-3/4"	33-1/2"	15-3/4"	10-1/2"	10-1/2"	33-3/4"	2"	12"	1050
CBN1797	1795	81%	1,454	1,264	36"	82-1/4"	33-1/2"	15-3/4"	11"	11"	33-3/4"	2"	14"	1193
CBN2067	2065	81%	1,673	1,455	36"	92-1/2"	33-1/2"	15-3/4"	11"	11"	33-3/4"	2"	14"	1350

Notes: Change 'N' to 'L' for LP gas models.

No deration on LP models.

Performance data based on manufacturer test results.

Water connections for models CB 0497-747 are 2" NPT on 6-1/2" centers.

Water connections for models CB 0987-2067 are 2-1/2" NPT on 11-1/4" centers.

Venting Options

Outdoor Vent Cap

Model No.	Fans	Controls	Approx. Total Amps
497	3.6	3.6	7.2
647	3.6	3.6	7.2
747	3.6	3.6	7.2
987	3.4	4.6	8.0
1257	3.4	4.6	8.0
1437	3.8	4.6	8.4
1797	3.8	4.6	8.4
2067	3.8	4.6	8.4



Lochinvar, LLC
300 Maddox Simpson Parkway
Lebanon, Tennessee 37090
P: 615.889.8900 / F: 615.547.1000

