

## COMMERCIAL WATER HEATERS

*The Lochinvar Multi-Flue Charger gas-fired, tank-type water heaters are designed to provide ease of installation, low stand-by loss and years of trouble-free service. Chargers are ideally suited for apartments, schools, food service and many other commercial and industrial applications with requirements for hot water.*

### MULTI-FLUE CHARGER GAS MODELS

#### STANDARD FEATURES

**QUALITY DESIGN** - Features a multi-flue design for increased efficiency and fast heat transfer.

**GLASS-LINED STEEL TANK** - The durable glass lining is fused to the steel tank at 1600°F to assure lasting protection against rust and corrosion while providing clear, clean hot water. 300 PSI test pressure; 150 PSI working pressure and is available in standard construction or ASME construction (over 200,000 Btu/hr input).

**TANK SAVER ANODE** - Multiple anodes inhibit corrosion of the tank interior for long, trouble-free service.

**MOTORIZED FLUE DAMPERS** - Factory installed dampers hold in heat during the off cycle.

**CONNECTIONS AND TAPPINGS**- The Charger is designed with three sets of water circulation tappings. Water connections on the top, the front and the back provide ultimate flexibility, especially in retrofit applications.

**SPARK IGNITION** - Efficient operation.

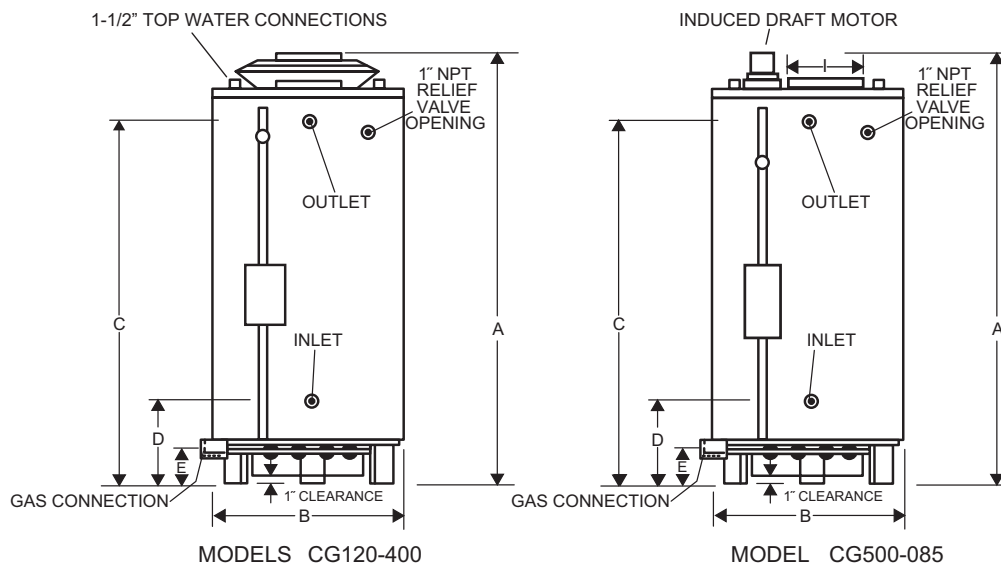
**3-YEAR LIMITED TANK WARRANTY\*** – See warranty sheet for details.

**1-YEAR PARTS WARRANTY** – Available for residential applications only.



**Lochinvar®**  
HIGH EFFICIENCY BOILERS & WATER HEATERS

## DIMENSIONS & SPECIFICATIONS



### FOR EASE IN ORDERING BY MODEL NUMBER

CG	N	180	080
Charger	Natural Gas	Btu/hr Input	Gallon Capacity

*This is a natural gas  
Charger water heater.  
It has standard construction,  
180,000 Btu/hr, and 81 gallon  
storage capacity.*

MULTI-FLUE CHARGER GAS MODELS				DIMENSIONS AND SPECIFICATIONS								
Model Number	Btu/Hr Input	Gal. Cap.	GPH @ 100°F Rise	A	B	C	D	E	Vent Size	Gas Conn.	Water Conn.	Ship Wt. Std.
<b>Non-ASME</b>												
CGN120 070	120,000	71	116	69-3/4"	27-3/4"	52"	19-3/4"	4-1/4"	6"	1/2"	1-1/2"	400
CGN155 080	154,000	81	149	67-1/2"	27-3/4"	54-3/4"	20-1/2"	4-1/4"	6"	1/2"	1-1/2"	470
CGN180 076	180,000	76	174	67-1/2"	27-3/4"	54-3/4"	20-1/2"	4-1/2"	6"	1/2"	1-1/2"	470
CGN200 080	199,000	81	193	67-1/2"	27-3/4"	54-3/4"	20-1/2"	4-1/2"	6"	1/2"	1-1/2"	470
CGN200 100	199,000	100	193	75"	27-3/4"	62-3/4"	20-1/2"	4-1/2"	6"	1/2"	1-1/2"	603
CGN199 100	199,000	100	193	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	6"	1/2"	2"	630
CGN250 100*	250,000	100	242	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	8"	1/2"	2"	630
CGN250 065*	251,000	65	243	75"	27-3/4"	58-3/4"	20"	4-1/2"	8"	1/2"	1-1/2"	750
CGN275 100	275,000	100	267	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	8"	1/2"	2"	630
CGN305 065	305,000	65	296	75"	27-3/4"	58-3/4"	20"	4-1/2"	8"	1/2"	1-1/2"	750
CGN365 085	365,000	85	354	79-1/2"	27-3/4"	63"	22-1/2"	4-1/2"	8"	3/4"	1-1/2"	725
CGN400 100	390,000	100	378	75-1/2"	30-1/4"	59"	26-3/4"	4-1/2"	8"	3/4"	2"	760
CGN500 085	500,000	85	485	81-1/2"	27-3/4"	67-1/2"	27-1/4"	4-1/2"	8"	1"	1-1/2"	812
<b>ASME</b>												
CGN199 100A	199,000	100	193	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	6"	1/2"	2"	725
CGN250 100A*	250,000	100	242	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	8"	1/2"	2"	725
CGN250 065A*	251,000	65	243	75"	27-3/4"	58-3/4"	20"	4-1/2"	8"	1/2"	1-1/2"	862
CGN275 100A	275,000	100	267	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	8"	1/2"	2"	725
CGN305 065A	305,000	65	296	75"	27-3/4"	58-3/4"	20"	4-1/2"	8"	1/2"	1-1/2"	862
CGN365 085A	365,000	85	354	79-1/2"	27-3/4"	63"	22-1/2"	4-1/2"	8"	3/4"	1-1/2"	833
CGN400 100A	390,000	100	378	75-1/2"	30-1/4"	59"	26-3/4"	4-1/2"	8"	3/4"	2"	874
CGN500 085A	500,000	85	485	81-1/2"	27-3/4"	67-1/2"	27-1/4"	4-1/2"	8"	1"	1-1/2"	857

A = ASME construction

See the installation manual for dimensional locations on Front and Back Tappings.

\* Asterisk indicates models without top surface tapping. Top water connections are 1-1/2" NPT.

### STANDARD FEATURES:

80% Thermal Efficiency  
Multi-Flue Design  
Glass Lined Tank  
150 PSI Working Pressure  
Tank Saver Anode  
ASME Temperature & Pressure Relief Valve  
Automatic Reset High Limit  
Spark Ignition  
180°F Operation Approved

Combustible Floor Approved  
Steel Jacket with Foam Insulation  
Hand Hole Cleanout  
Slide Out Burner Tray  
3 Year Limited Warranty on Tank  
1 Year Limited Warranty on Parts

### OPTIONAL EQUIPMENT:

UL Sanitation  
High Altitude (2,000 to 8,000 feet)

For technical information call 800-722-2101. Lochinvar, LLC reserves the right to make product changes or improvements without prior notice.



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