



Multi-Flue Charger Commercial Gas Water Heaters

Dependable, Tank Type Water Heaters for Commercial and Industrial Applications

Charger

The Lochinvar 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. They are built to ensure easy installation and maintenance.

Outstanding Features / Quality Design

The Charger features a multi-flue design for increased efficiency and fast heat transfer. The tank is glass lined for prolonged life and protection from rust and corrosion. The tank is certified for 150 psi working pressure and is available in standard construction or ASME construction (over 200,000 Btu/hr input). Multiple anode rods are installed for additional protection from corrosion. Factory installed, motorized flue dampers hold in heat during the off cycle.

Ease of Installation

Charger installations are fast and easy. The water heaters are fully assembled and ready to drop into any applications. The Charger has a small footprint and is often shorter than competitor models. 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 on retrofit applications.

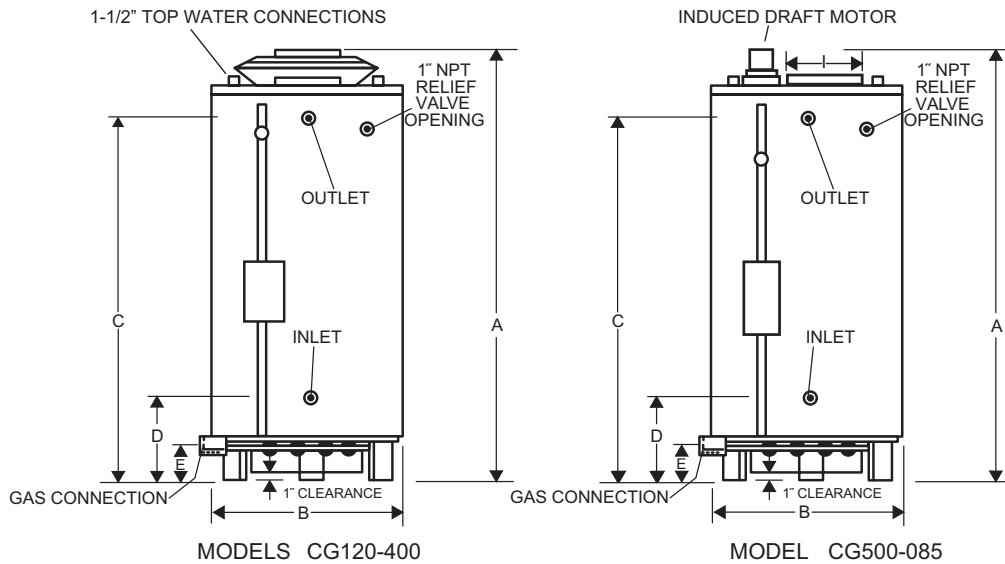
Even More to Offer

All Chargers feature spark ignition which is more efficient than traditional standing pilots. Hand hole cleanouts and slide out burner trays offer superior serviceability. And all models are combustible floor approved.



Meets ASHRAE Energy Efficiency Standards

Dimensions and 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.*

Model Number	Btu/Hr Input	Gallon Capacity	GPH @ 100°F Rise	A	B	C	D	E	Vent Size	Gas Conn.	Front & Back Water Conn.	Ship. Wt. Std	Ship. Wt. ASME
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	73"	27-3/4"	59"	19-3/4"	4-1/4"	6"	1/2"	1-1/2"	470	-
CGN180 080	180,000	81	175	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 (A)	199,000	100	193	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	6"	1/2"	2"	630	725
CGN250 100 (A) *	250,000	100	242	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	8"	1/2"	2"	630	725
CGN250 065 (A) *	251,000	65	243	75"	27-3/4"	58-3/4"	20"	4-1/2"	8"	1/2"	1-1/2"	750	862
CGN275 100 (A)	275,000	100	267	72"	30-1/4"	56-1/2"	19-3/4"	4-1/2"	8"	1/2"	2"	630	725
CGN305 065 (A)	305,000	65	296	75"	27-3/4"	58-3/4"	20"	4-1/2"	8"	1/2"	1-1/2"	750	862
CGN365 085 (A)	365,000	85	354	79-1/2"	27-3/4"	63"	22-1/2"	4-1/2"	8"	3/4"	1-1/2"	725	833
CGN400 100 (A)	390,000	100	378	75-1/2"	30-1/4"	59"	26-3/4"	4-1/2"	8"	3/4"	2"	760	874
CGN500 085 (A)	500,000	85	485	82-1/4"	27-3/4"	65-3/4"	25-1/2"	4-1/2"	8"	1"	1-1/2"	820	856

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)



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