



Charger and Super Charger

Dependable, Tank Type Water Heaters for Commercial and Industrial Applications

Charger

The Lochinvar Charger gas fired water heaters are designed to provide high efficiency, low stand-by loss and years of trouble-free service. All models meet the latest edition of ASHRAE Energy Efficiency Standards. Chargers are ideally suited for apartments, schools, food service and many other commercial and industrial requirements for hot water. They are built to ensure easy installation and maintenance.

Outstanding Features:

- Multi-flue design increases efficiency and heat transfer.
- Durable fused glass lining prolongs tank life.
- Up to two inches of Polyurethane foam insulation maximizes heat retention and lowers standby heat loss.
- Up to four magnesium tank saver anodes inhibit corrosion and prolong tank life.
- Heavy steel jacket with baked enamel finish.
- 300 psi tested tank with 150 psi approved working pressures.
- Automatic Reset High-Limit provides protection from overheat.
- 80% Thermal Efficiency
- Low silhouette drafthood.
- Spark ignition standard on models 125,000 Btu/hr and larger.

- Standing pilot millivolt system on 65,000 - 85,000 Btu/hr models.
- Hand hole cleanout permits easy access for cleaning.
- Approved for 180°F operation.
- Slide out burner tray for convenient servicing on models 125,000 Btu/hr and larger.
- Combustible floor approval.
- Automatic Flue damper on all models above 125,000 Btu/hr.
- 115 VAC is required on all models above 125,000 Btu/hr.
- 3 year limited warranty.

Optional Equipment:

- Temperature and Pressure Gauge
- NSF Construction.



Super Charger

The Lochinvar Super Charger incorporates all of the high efficiency performance and design benefits of the Charger with the addition of an integrated fan induced combustion system. The result is optimum combustion with fan-assisted movement of the flue products over the multi-flue tank surface for improved heat transfer from the flue gases to the water. The Super Charger fan induced system allows installation with conventional negative draft venting using standard type "B" vent material.

Outstanding Features:

- Glass-lined tank.
- Multiple magnesium tank saver anodes.
- Polyurethane foam insulation.
- Heavy steel jacket with baked enamel finish.
- Adjustable thermostat.
- Automatic Reset High-Limit.
- Standard or ASME tank construction.
- 300 psi test pressure for 150 psi working pressure.
- Approved for 180°F operation.
- 80% Thermal Efficiency

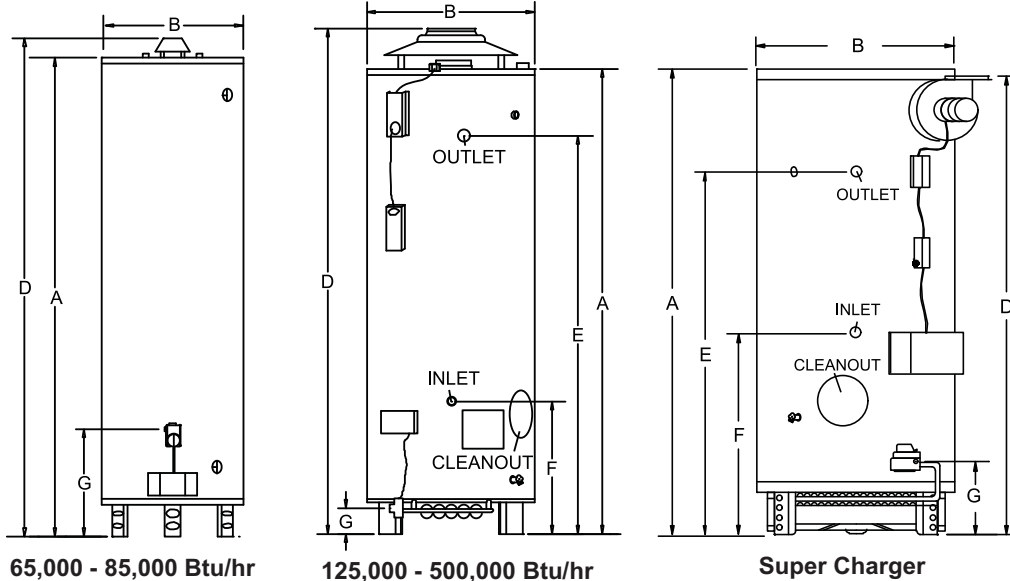
- Efficient multi-flue design.
- Hand hole cleanout.
- Simple 115 VAC circuitry.
- 4 second main gas shutdown.
- 3 year limited warranty.

Optional Equipment:

- Temperature and Pressure Gauge
- NSF Construction.



Dimensions and Specifications:



**FOR EASE IN ORDERING
BY MODEL NUMBER**

C	N	R	125	075	D	F9
Charger	Natural Gas	Construction	Btu/hr Input	Gallon Capacity	Flue Damper	Spark Ignition

This is a natural gas Charger water heater. It has standard construction, 125 Btu/hr, and 75 gallon storage capacity. It comes with a flue damper and spark ignition.



Low NOx models are available on inputs under 400,000 Btu/Hr.

Add -SC to model number.

Charger Dimensions & Specifications

Model Number	Tank Const.	Btu/hr Input	Gallon Cap.	GPH @ 100°F Rise	A	B	D	E	F	G	Vent Size	Gas Conn	Water Conn	Nipple Spread	Shipping Weight
LNRO65-050*	STD	65,000	48	60	56-1/4"	22"	59-1/4"	-	-	13"	4"	1/2"	3/4" T	11"	160
CNRO76-075*	STD	76,000	75	74	59"	26"	62-1/4"	-	-	15"	4"	1/2"	1" T	11"	247
CNRO85-100*	STD	85,000	100	82	65-1/4"	28-1/4"	68-3/4"	-	-	15-1/2"	4"	1/2"	1-1/4" T	16"	420
CNR125-075-DF9*	STD	125,000	75	121	65"	28-1/4"	72-1/4"	54-1/2"	34"	4-3/4"	5"	3/4"	1-1/2" T/F	14-1/2"	520
CNR155-035-DF9*	STD	155,000	38	150	43"	28-1/4"	51"	34-3/2"	19-1/2"	4-3/4"	6"	3/4"	1-1/2" T/F	19"	438
CNR160-075-DF9*	STD	160,000	75	155	65"	28-1/4"	72-1/4"	54-1/2"	34"	4-3/4"	6"	3/4"	1-1/2" T/F	14-1/2"	520
CNR180-080-DF9	STD	180,000	80	175	64-1/2"	28-1/4"	72-1/2"	56"	19-1/2"	4-3/4"	6"	3/4"	1-1/2" T/F	19"	540
CNR200-080-DF9	STD	199,999	80	194	64-1/2"	28-1/4"	72-1/2"	56"	19-1/2"	4-3/4"	6"	3/4"	1-1/2" T/F	19"	540
CNR199-100-DF9	STD	199,999	100	194	65"	30-1/4"	75"	56-1/2"	23-1/2"	4-1/2"	6"	3/4"	1-1/2" T/F, 2" B	23"	725
CNR200-100-DF9	STD	199,999	98	194	75-1/2"	28-1/4"	83-1/2"	67"	19-1/2"	4-3/4"	6"	3/4"	1-1/2" T/F	19"	610
CNR250-100-DF9	STD	250,000	98	242	75-1/2"	28-1/4"	83-1/2"	67"	19-1/2"	4-3/4"	6"	3/4"	1-1/2" T/F	19"	610
CNR300-075-DF9	STD	300,000	75	291	64-1/2"	28-1/4"	73"	54-1/4"	29"	10-1/2"	7"	3/4"	1-1/2" F	19"	590
CNR370-065-DF9	STD	370,000	65	359	64-1/2"	28-1/4"	73-1/2"	54-1/4"	29"	10-1/2"	8"	1", 3/4" LP	1-1/2" F	19"	665
CNR400-080-DF9	STD	399,999	80	388	60"	30-1/4"	71-1/2"	51-1/2"	23-1/2"	10-1/2"	8"	1", 3/4" LP	1-1/2" F, 2" B	23"	800
CNR500-080-DF9	STD	505,000	80	496	60"	30-1/4"	69-1/2"	51-1/2"	23-1/2"	10-1/2"	10"	1", 3/4" LP	1-1/2" F, 2" B	23"	800
CNA251-100-DF9	ASME	250,000	98	242	75-1/2"	28-1/4"	83-1/2"	67"	19-1/2"	4-3/4"	6"	3/4"	1-1/2" T/F	19"	690
CNA301-075-DF9	ASME	300,000	75	291	64-1/2"	28-1/4"	73"	54-1/4"	29"	10-1/2"	7"	3/4"	1-1/2" F	19"	645
CNA371-065-DF9	ASME	370,000	65	359	64-1/2"	28-1/4"	73-1/2"	54-1/4"	29"	10-1/2"	8"	1", 3/4" LP	1-1/2" F	19"	720
CNA401-080-DF9	ASME	399,999	80	388	60"	30-1/4"	71-1/2"	51-1/2"	23-1/2"	10-1/2"	8"	1", 3/4" LP	1-1/2" F, 2" B	23"	835
CNA501-080-DF9	ASME	505,000	80	496	60"	30-1/4"	69-1/2"	51-1/2"	23-1/2"	10-1/2"	10"	1", 3/4" LP	1-1/2" F, 2" B	23"	835

♦ Indicates LP Inputs * These models have one aquastat.

Super Charger Dimensions & Specifications

Model Number	Tank Const.	Btu/hr Input	Gallon Cap.	GPH @ 100°F Rise	A	B	D	E	F	G	Vent Size	Gas Conn	Water Conn	Nipple Spread	Shipping Weight
CNR625-065-DF9	STD	625,000	65	606	69-1/2"	28-1/4"	69"	54-1/4"	29"	10-1/2"	8"	1", 3/4" LP	1-1/2" F	-	720
CNR725-080-DF9	STD	725,000	80	703	79-3/4"	28-1/4"	79-1/4"	64-1/4"	29"	10-1/2"	8"	1", 3/4" LP	1-1/2" F	-	800
CNA626-065-DF9	ASME	625,000	65	606	69-1/2"	28-1/4"	69"	54-1/4"	29"	10-1/2"	8"	1", 3/4" LP	1-1/2" F	-	775
CNA726-080-DF9	ASME	725,000	80	703	79-3/4"	28-1/4"	79-1/4"	64-1/4"	29"	10-1/2"	8"	1", 3/4" LP	1-1/2" F	-	880

Notes: Change "N" to "L" for LP gas models. Performance data is based on manufacturer test results.

LP Inputs

Model Number	Btu/hr Input	GPH @ 100°F Rise
CLR160-075-DF9	155,000	147
CLR200-080-DF9	190,000	184
CLR250-100-DF9	235,000	228
CLR400-080-DF9	375,000	364

Model Number	Btu/hr Input	GPH @ 100°F
CLR500-080-DF9	475,000	461
CLA251-100-DF9	235,000	228
CLA401-080-DF9	375,000	364
CLA501-080-DF9	475,000	461

Water Connections
T = Top Connections
F = Front Connections
B = Back Connections



Lochinvar
 High Efficiency Water Heaters, Boilers and Pool Heaters



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