



Lochinvar®

HIGH EFFICIENCY BOILERS & WATER HEATERS

COPPER-FIN® COMMERCIAL WATER HEATER PKG. SYSTEM

Submittal Sheet

CWP-Sub-17

COPPER-FIN® COMMERCIAL GAS WATER HEATER PACKAGE SYSTEM

Job Name: _____

Model No. _____

Location: _____

Type Gas: _____ BTU/Hr
Input _____

Engineer: _____

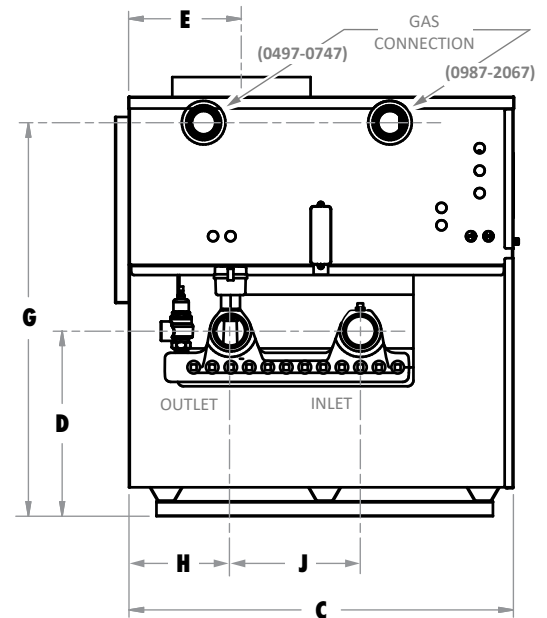
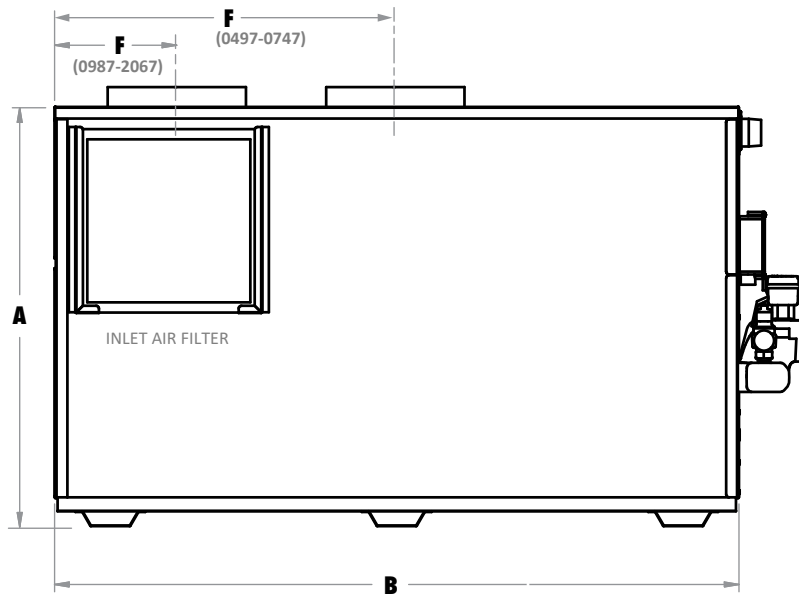
Recovery Rate in GPH _____ @ _____ °F Rise

Agent/Wholesaler: _____

Equipment Tag(s): _____

Contractor: _____

NOTES:



Model Number	Btu/hr Input	GPH @ 100°F Rise	A	B	C	D	E	F	G	H	J	Gas Conn	Water Conn	Vent Size	Shipping Wgt. (lbs.)
CWN0497PM	495,000	486	31-1/2"	45-1/2"	22-1/4"	12-1/2"	7"	7	29"	6-1/2"	6-1/2"	1-1/4"	2"	6"	467
CWN0647PM	645,000	633	31-1/2"	56-3/4"	22-1/4"	12-1/2"	8-1/2"	8-1/4"	29"	6-1/2"	6-1/2"	1-1/4"	2"	8"	551
CWN0747PM	745,000	731	31-1/2"	64"	22-1/4"	12-1/2"	8-1/2"	8-1/4"	29"	6-1/2"	6-1/2"	1-1/4"	2"	8"	611
CWN0987PM	985,000	967	36"	48-1/4"	33-1/2"	15-3/4"	8-1/2"	8-1/2"	33-3/4"	8-3/4"	11-1/4"	2"	2-1/2"	10"	843
CWN1257PM	1,255,000	1,232	36"	58-1/2"	33-1/2"	15-3/4"	10-1/2"	9-1/2"	33-3/4"	8-3/4"	11-1/4"	2"	2-1/2"	12"	939
CWN1437PM	1,435,000	1,409	36"	68-3/4"	33-1/2"	15-3/4"	10-1/2"	10-1/2"	33-3/4"	8-3/4"	11-1/4"	2"	2-1/2"	12"	1,035
CWN1797PM	1,795,000	1,762	36"	82-1/4"	33-1/2"	15-3/4"	11"	11"	33-3/4"	8-3/4"	11-1/4"	2"	2-1/2"	14"	1,168
CWN2067PM	2,065,000	2,027	36"	92-1/2"	33-1/2"	15-3/4"	11"	11"	33-3/4"	8-3/4"	11-1/4"	2"	2-1/2"	14"	1,285

Change "N" to "L" for LP Gas Models

Performance data based on manufacturer test results.

Copper-Fin®

Refined Copper-Fin technology over 50 years to include advanced fan-assisted combustion, hot surface ignition, a unique gasketless copper finned tube heat exchanger and highly efficient insulating materials.



Standard Features

- 81% Thermal Efficiency
- Electronic Temperature Control
- Fan Assisted Combustion
- Sealed Combustion Chamber
- Stainless Steel Burners
- Low NOx Operation - Meets SCAQMD Rule 1146.2
- ASME Copper Finned Tube Heat Exchanger
- 160 psi Working Pressure
- Gasketless Heat Exchanger Design
- All Bronze Circulating Pump
- Pump Delay w/Freeze Protection
- Remote Tank Thermostat
- Glass-Lined Water Surfaces
- Referenced Gas Valves
- Loch-Heat Ceramic Tile Combustion Chamber
- Hot Surface Ignition
- ASME Temperature & Pressure Relief Valve
- Adjustable High Limit w/Manual Reset
- Flow Switch
- 24 Volt Control System
- BMS Terminal Strip
- Combustion Air Filter
- 5 Year Limited Warranty on Heat Exchanger (See warranty for details)

Optional Equipment

- Alarm on Any Failure
- Contacts on any Failure
- Contacts for Air Louvers
- Cupro-Nickel Heat Exchanger
- High & Low Gas Pressure Switch w/Manual Reset
- Manual Reset Low Water Cut-Off w/test
- Stack Frame
- MP2 Sequencer

Venting Options

- Outdoor Vent Cap and Pump Cover

Available Firing Systems

- F9** Hot Surface Ignition with Electronic Supervision (Standard)
- F7** California Code

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



Lochinvar, LLC
300 Maddox Simpson Parkway
Lebanon, Tennessee 37090
P: 615.889.8900 / F: 615.547.1000
f t in YouTube Lochinvar.com



Copper-Fin® Water Heater Package System: Configurations and Dimensions

Note: Additional package systems are available. Consult factory for dimensions and specifications.

VERTICAL ROUND JACKETED TANK DIMENSIONS			
Gallon	H _T	D _T	Weight
119	62-1/2"	28"	345
200	77-1/4"	32"	600
257	91"	34"	1108
318	80"	40"	1290
432	80"	46"	1,512
504	92"	46"	1,623

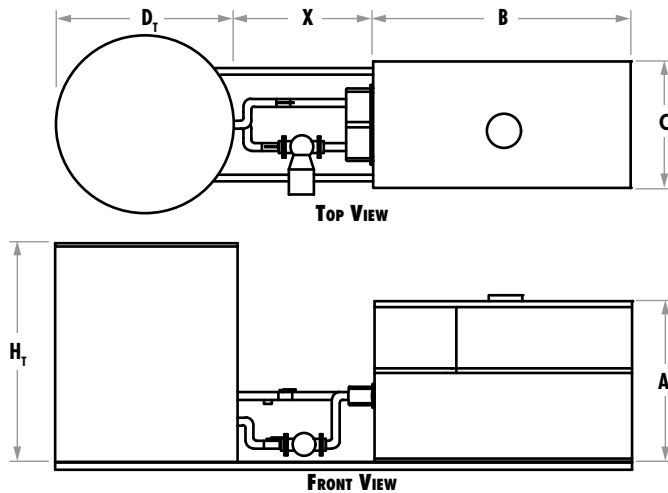
PIPING DIMENSIONS	
X	Y
42"	12"

Refer to **Dimensions and Specifications** table on **page 1** for Heater Dimensions "A", "B", & "C"

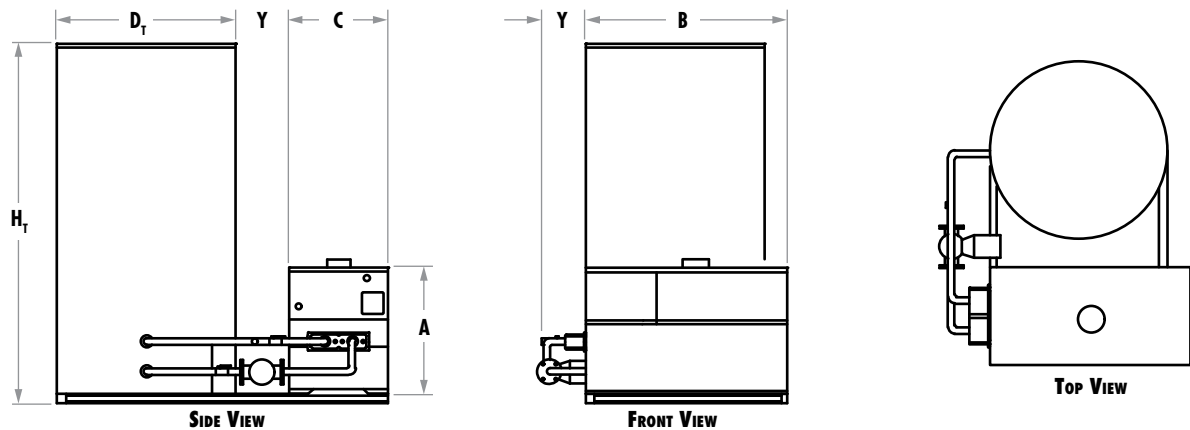
HORIZONTAL TANK DIMENSIONS				
Gallons	H _T	W _T	D _T	Weight
300	48-1/2"	78-1/4"	42-1/4"	1,610
400	55-1/2"	78-1/4"	48-1/4"	1,840
500	55-1/2"	90-3/4"	48-1/4"	1,950
600	61-1/2"	90-3/4"	54-1/4"	2,460
800	61-1/2"	102-1/4"	54-1/4"	3,000
1,000	61-1/2"	126-1/4"	54-1/4"	3,200
1,250	67-1/2"	130-1/4"	60-1/4"	3,940
1,500	73-1/2"	126-1/4"	66-1/4"	4,560
2,000	79-1/2"	137-1/4"	72-1/4"	4,810
2,500	85-1/2"	144-1/4"	78-1/4"	6,370

NOTES: If overall dimensions are critical consult factory.
All package systems are skid mounted. Add 3" to tank H_T for I-Beam skid height.

PS Configuration Unit with 119 to 504 gallon capacity jacketed and insulated Lock-Temp Vertical Storage Tank



PU Configuration Unit with 119 to 504 gallon capacity jacketed and insulated Lock-Temp Vertical Storage Tank



PW Configuration Unit with 300 to 2500 gallon capacity jacketed and insulated Lock-Temp Horizontal Tank

