



CARBON NEUTRAL

UTILIZING A
RENEWABLE
RESOURCE

**NEWMAC CLC 90-100 E
LOW EMISSION**

Combination Wood/Oil Furnace

TESTED TO CSA B415.1



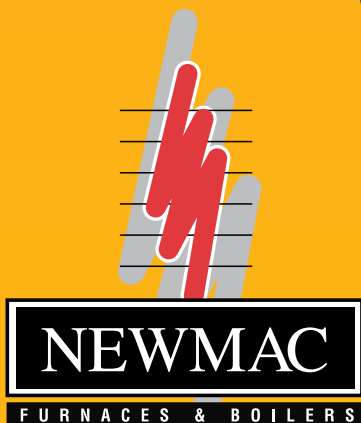
When you recommend a Newmac furnace, you are recommending the best. Our high-quality, efficient furnaces have been providing consistent heat and comfort to home owners since 1974.

Head Office

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Ontario Office

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STAINLESS STEEL AIR CHUTE



STAINLESS STEEL SECONDARY AIR SYSTEM



SECONDARY AIR INLET



LOWER PRIMARY AIR INLET



REAR FLUE



FORCED DRAFT SYSTEM



NEWMAC
FURNACES & BOILERS

Solid Fuel Features

- Average Wood Output 100,000 btu/h
- CSA B415.1 Tested
- Efficiency above 75%
- Preheated Primary and Secondary Air
- Secondary Air Inlet
- Lower Primary Air for minimum burn rate
- Thermostat operated Forced Draft Fan with adjustable control
- Stainless Steel Secondary Air system delivers super-heated air into the firebox igniting wood gases for low emissions and high efficiency

Oil Features

- Oil Output
 - Beckett AFG - 89,000 and 98,000 btu/h
 - Riello F3 - 95,000 and 102,000 btu/h
- Corbel Ceramic Fiber combustion chamber for quieter operation and higher efficiency

General Features

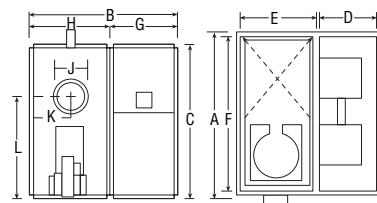
- 14 ga primary and 12 ga secondary heat exchanger
- 7" flue allows single pipe connection to chimney
- 10 year pro-rated heat exchanger warranty
- New Spring Clad Door Handle
- Clean out tools supplied

Approvals

- Solid Fuel Combination Certification: CAN/CSA B366.1, UL 391
- Oil Fuel Safety Certification: CAN/CSA B140.4 & B140.0

CL C90/100E Footprint

A	Length	49-1/4"
B	Width	42"
C	Height	45 1/2"
ExF	Warm Air Plenum	22-1/4"x47-1/2"
DxF	Return Air Plenum	16-1/4"x 47 -1/2"
J	Flue Pipe Diameter	7"
K	Flue pipe to Side of Furnace	12"
L	Floor to Centre of Flue Pipe	33-1/2"



Approved Burners



F3



AFG

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- Engineered stainless steel system designed to increase firebox temperature to burn particulates and gases resulting in cleaner burn and very low emissions
- 24" long firebox
- Brick lined firebox for better burning efficiency
- Large loading door with stainless steel air chute
- Gravity heat during power failure with correct duct design
- Optional pellet fuel burner / hopper assembly available

- A.F.U.E. 83%
- Approved with Beckett AFG and Riello F3 high static burners
- WMO-1 blocked vent safety switch included (Required in Canada)
- Beckett Burner has Stainless Steel Air Tube

- Blower section can be mounted on left or right side
- Belt drive for easy airflow adjustment
- Pre-wired electrical harness for easy installation
- Steel panel liners for improved airflow and insulation
- Twin 9" blowers for better air circulation and filtration
- Similar to CL 86/96C

- Emissions Standards: Tested to CSA B415.1
- Applicable Installation Standards: NFPA 31/90B/211, CSA 139 & CSA B365, NBC

CL C90/100E Specifications

Average Wood Output (btu/h)	100,000
Delivered	83.17%
HHV	72.95%
LHV	78.56%
Oil Output (btu/h)	
Beckett AFG	88,000 or 98,000
Riello F3	95,000 and 102,000
Blower	Twin G9"
Belted Motor	1/3 hp
CFM	1200
Air Filters	2-16"x25"
Ex. Static	0.20 "w.c.
Flue Pipe	7"
Firebox Dimension	24"x14"x18"
Firedoor	14" x 14"
Weight	815 lbs.
Avg. Emission Rate	1.69 g/hr. (0.035g/MJ)
Avg. Electrical Power Consumption	0.183 KW

Due to continuous development and improvement, program specifications are subject to change without notice.

Newmac or its products are certified, listed or members of:



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