



eco energy

CARBON NEUTRAL



Forced Draft
Combustion Air

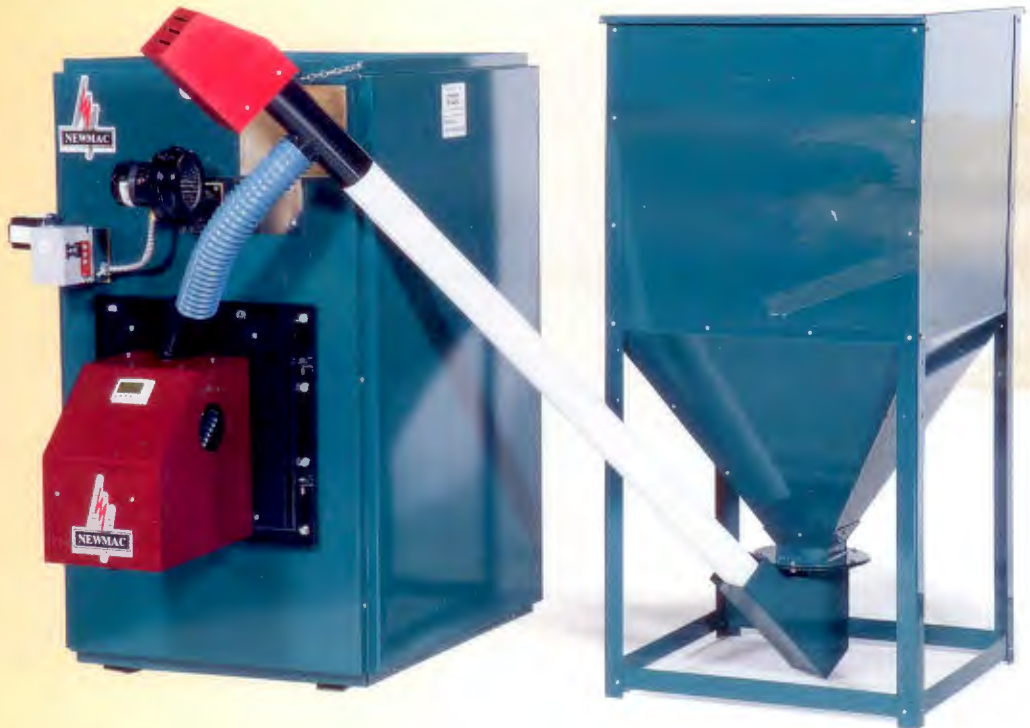


Stainless Steel
Burner Head



NEWMAC
FURNACES & BOILERS

Utilizing a Renewable Resource



Newmac Pellet Burner

Features

- High fire output 120,000 BTUH
- Low fire output 60,000 BTUH
- Approved for new installation* as pellet/oil CL86/96C combination furnace
- Retrofit wood to pellet fuel on existing CL86/96C models *
- Uses standard 2100 F solid fuel rated chimney
- Stainless Steel burner head
- Automatic Self Cleaning Burner Head
- Cartridge heater rod 1200F Igniter
- Emission range of 1.59 to 2.48 g/hr
- Pre-Programmed control operates feed rates and burner function automatically
- Simple operation by a single 2 Stage thermostat for automatic low and high fire operation
- Flexible feed hose connection permits easy maintenance of burner head and ash removal
- Burner head designed with Primary and Secondary Air supply

*WAO and WB100 models tested

Head Office

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SAFETY TEMPERATURE SENSOR



LCD DISPLAY



HOPPER ASSEMBLY



BURNER DOOR

NEWMAC Pellet Burner

Utilizing a renewable carbon neutral resource

Safety

- Conventional High Limit
- Integrated feed tube temperature limit control turns burner off at preset 170F safety
- Power to be disconnected to open fire door
- Burn-back gate to prevent fire backflow to hopper
- Photocell for flame detection
- Feed tube designed to prevent burn-back
- Photosensor to verify ignition
- Blocked Flue Manual Reset Safety Switch incorporated
- Existing Certified Furnace Clearances Maintained

Programmable Control

- Burner control is factory programmed with no user input required
- High fire, low fire and standby modes
- Stand-by mode shuts burner down when there is no heat demand
- Standby mode restarts burner when thermostat calls for heat
- LCD display of operating parameters on burner control
- Top mounted display for easy viewing

Pellet Hopper/Auger

- Field assembled hopper available
- Overfeed burner design to minimize mechanical components
- Modular design incorporating furnace, burner, thermostat, auger feed tube & storage hopper
- Flexible feed hose & suspended feed auger assembly
- 400 lb. capacity storage hopper
- Estimated ash removal interval for good quality pellets is 3 weeks based on average run time. Ash removal interval depends on pellet quality and degree of usage and may be more frequent

Retrofit

- Approved to be installed on existing installations of CL86/96 C*
- Oil burner can be back-up or primary fuel source on CL86/96C
- Minor changes required to existing controls for pellet burner retrofit
- Specially designed firedoor for mounting pellet burner

*(WB and WAO models tested)

Approvals

- Solid Fuel Combination Safety Certification: CAN/CSA B366.1, UL 3 91
- Emissions Standards: Tested to CSA B415.1
- Applicable Installation Standards: NFPA 30/90B/211, CSA B365, & NBC

Check with local authorities having jurisdiction for additional requirements.

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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