

CONTACTS

Head Office and Manufacturing Facilities

Northern Stoker (Northern Metalworks)
4 Thompson Road, P.O. Box 550
Sunderland, ON, Canada L0C 1H0

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Fax: 705-357-3388

Email: customerservice@northernstoker.ca

Website: www.northernstoker.ca
www.northernmetalworks.ca

Office Hours:

7:30am-4:00pm Monday-Friday

Shipping and Receiving:

7:00am-5:00pm Monday-Thursday

7:00am-4:00pm Friday

After Hours:

Call for appointment

Closed:

Saturday and Sunday

Dealer Representative, Technical Support and Service

Local Dealers: Check our website
for a complete list of dealers.



HIGH OUTPUT OUTDOOR BIOMASS FURNACE



PROUDLY CANADIAN.
Designed and Manufactured.
"Simplicity, Durability and
Dependability"

www.northernstoker.ca

WE ARE FULL SERVICE

Not only do we sell and install Northern Stoker Outdoor Wood Furnaces but, we offer complete solutions in parts and accessories:

- Selection of Insulated Underground Pipes
- Selection of PEX Pipe and Fittings
- Plumbing Manifolds, Fittings and Solenoids
- Hydronic Circulators, Pumps and Fittings
- Heat Exchangers - Water to Air
- Heat Exchangers - Water to Water
- Heat Exchangers - Pool and Hot Tub
- Heat Exchangers - Radiators, Towel Warmers
- Plate Exchangers - Hot Water Tank
- Selection of Valves and Controls
- Furnace Consumables - Door Rope, Chimney Supplies, Corrosion Inhibitor Fluid, and much more
- Electrical and Electronics
- Blowers and Solenoids
- Air Handlers and In-Floor Heating

This is a brief list of what is available, please contact your Dealer for complete details and availabilities on required parts.

Whatever the size of project, our Dealers are more than happy to assist you with their expertise and years of knowledge in the outdoor wood furnace market. Through our network of Dealers and Suppliers, we can source almost anything that you desire for your project.

ADVANTAGES

- Safety locks and handles on the control house and fuel loading door - for child safety and tampering
- Exterior light for fuel loading at night
- Interior control house light for viewing the control panel and for servicing
- Insulated control house allows full access to electrical and plumbing - very user friendly
- Removable grate for complete cleaning of combustion chamber
- Large heavy duty easy to turn cleanout augers
- Easy connection and visual inspection of plumbing manifolds and connections
- Safety - takes the fire out of the house/buildings
- No more dust and dirt in the house!

**Visit our website
for complete information
www.northernstoker.ca**

FEATURES

One of the most heavy *duty outdoor furnaces* on the market today – Extends durability, dependability and life expectancy.

- *3/8" steel construction* around door, burn chamber and heat exchangers (where direct heat is applied to water).
- *Cool stack temperature* of 371 to 390 degrees Fahrenheit during Intertek laboratory testing.
- Conventional air injection firing and over fire air for a more complete burn, reducing emissions.
- *Simplified electronic control system* that automatically maintains set temperature and reports critical operating information.
- *No computer programming* required to setup and operate the furnace parameters.
- Easily connect the furnace to a portable generator in the event of a power failure.
- Flue design and auger flighting incorporates *heavy duty cleanout augers* which *enhances heat transfer* to the water jacket by the exiting flue gases traveling 360 degrees spiraling out the flue.
- Wiring is visible and easily accessible
- *Intertek approvals:*
Control# 4007135, Conforms to UL 2523, Certified to CAN/CSA B366.1
- *Revolutionary* water cascade tube
- 10 year Limited Warranty



**NORTHERN
STOKER**

10 YEAR LIMITED WARRANTY

Conforms to UL 2523, Certified to CAN/CSA B366.1

	MODEL #30-30	MODEL #36-42	MODEL #48-54
LOADING DOOR OPENING	17 3/4" (45cm) W x 17 3/4" (45cm) H	21 3/4" (55cm) W x 21 3/4" (55cm) H	30 1/2" (77.5cm) W x 30 1/2" (77.5cm) H
FIREBOX (BURN CHAMBER)	30" (76.2cm) DIAMETER x 30" (76.2cm) L, 3/8" (0.95cm) THICK STEEL	36" (91cm) DIAMETER x 42" (107cm) L, 3/8" (0.95cm) THICK STEEL	48" (122cm) DIAMETER x 54" (137cm) L, 3/8" (0.95cm) THICK STEEL
WATER JACKET INSULATION	ROXUL INSULATION R-28 AVERAGE	ROXUL INSULATION R-28 AVERAGE	ROXUL INSULATION R-28 AVERAGE
APPROX. WEIGHT (EMPTY) AND MAXIMUM OUTSIDE DIMENSIONS	2360 lbs (1070.5kg), 72 1/8" (183.2cm) L x 52 1/4" (132.7cm) W x 99" (251.5cm) H	3175 lbs (1440kg), 84" (213.4cm) L x 56 11/16" (144cm) W x 105 5/8" (236.3cm) H	4420 lbs (2005kg), 96" (244cm) L x 69 1/4" (176cm) W x 114 5/8" (291.1cm) H
WATER CAPACITY	104 IMP. GALLONS (472.8L)	167 IMP. GALLONS (758L)	308 IMP. GALLONS (1400L)
ELECTRICAL RATING	120V, 60HZ, 15A	120V, 60HZ, 15A	120V, 60HZ, 15A
HEAT OUTPUT	APPROXIMATELY 3000 SQ FT (278.74m ²) OF WELL INSULATED BUILDING.	APPROXIMATELY 6,000 SQ FT (557.4m ²) OF WELL INSULATED BUILDING.	APPROXIMATELY 11,000 SQ FT (1021.9m ²) OF WELL INSULATED BUILDING.
FUEL TYPES (WITHOUT STOKER)	DRY SPLIT WOOD/BIOMASS	DRY SPLIT WOOD/BIOMASS	DRY SPLIT WOOD/BIOMASS
CORROSION INHIBITOR (WATER ADDITIVE)	REQUIRES APPROX. 1 GALLON (3.78L) FOR FURNACE AND LINES	REQUIRES APPROX. 1 GALLON (3.78L) FOR FURNACE AND LINES	REQUIRES APPROX. 2 GALLONS (7.56L) FOR FURNACE AND LINES
MANUFACTURED AND ASSEMBLED	DESIGNED AND BUILT IN SUNDERLAND, ONTARIO, CANADA	DESIGNED AND BUILT IN SUNDERLAND, ONTARIO, CANADA	DESIGNED AND BUILT IN SUNDERLAND, ONTARIO, CANADA