

Sierra 140 EPA-Approved Furnace



Steers is proud to introduce the Sierra 140 furnace. Specifically designed to meet the strict combustion standards of the Environmental Protection Agency (EPA), the Sierra 140 uses 30% less heating wood and has a 90% reduction in polluting emissions. Its highly advanced combustion technology sets it apart from all others.



Features of the Sierra 140

- ◆ Wood burning efficiency rating of 73%
- ◆ Optional fuel oil burner and electrical element
- ◆ Oil burning efficiency rating of 82%
- ◆ Average emissions of 2–7g/h
- ◆ Fully accessible trap door for easy cleaning
- ◆ Optional insulated vestibule for quiet performance
- ◆ 140,000 BTU

A portion of the proceeds of Sierra 140 sales will go towards environmental protection and awareness programs right here in Newfoundland and Labrador.

SIERRA 140

Technical Data

Fuel	wood
Maximum output	140,000 BTU (42 kW)
Integrated thermostatic control	yes
Efficiency	73%
Loading capacity	up to 70 lbs (32 kg)
Flue spigot diameter	6"
Recommended exhaust pipe diameter	7"
Type of chimney required	2100 F (1150 C)
Recommended chimney diameter	7"
Furnace exterior dimensions	26"W x 47"D x 48"H
Firebox dimensions	17"W x 22.5"D x 16"H
Door opening dimensions	13.75"W x 10"H
Door type	glass with cast iron frame
Hot air plenum dimensions	24.5"W x 28.25"D
Cold air plenum dimensions	24.5"W x 15.75"D
Ash pan dimensions	12"W x 16"D x 3"H
Number of filters	2
Filter dimensions	12"W x 24"D x 1"H
Blower	1/3 HP, Direct drive, Four speed -1300 cfm
Steel thickness (firebox)	3/16"
Minimum clearance (front)	48"
Minimum clearance (rear)	24" recommended for servicing
Minimum clearance (sides)	24" recommended for servicing
Minimum clearance (ducts)	6" for the first 6 feet and 1" thereafter
Recommended service clearance	24"
Weight	560 lbs (254 kg)
Color	Charcoal
Warranty	Limited lifetime warranty
Safety tests standard	Can CSA B366, 1-M91, CSAB212-93, UL391 3e, Ed. rev. 1999
Emissions test standard	EPA
Maximum log length	22"

Optional fuel oil burner

Maximum output	91,000 BTU (27 kW)
Burner orifice	0.65 gal*/hr (2,46 l/hr)
Pump pressure	120 PSI
Standard burner	Beckett AFG
Other approved burners	Riello
Efficiency	82%
Burner location	right
Recommended service clearance (burner)	24"
Optional insulated vestibule (burner)	yes
Recommended exhaust pipe diameter	5"
Exhaust pipe location	left

Optional electrical elements

Output - recommended electrical element	18 kW
Output - other optional electric elements	20 kW
Element location	left
Recommended service clearance (element)	24"

* US Gallon (1 US Gallon = 0.83 Imperial Gallon)

