



Biomass Combustion Systems
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250,000 BTU/hr Shop Heater



3/8" steel end walls
5/16 plate steel cylinder
25" diameter firebox 40" long
11.2 cu ft of furnace volume
10 1/2" x 15" loading door
induced draft fan with 1/2 HP motor
8" diameter stack

Width 34, Length 60" Height 75 1/2" Weight 2200

Heat Exchanger
17 - 2" diameter tubes 26" long
8" x 20 1/2" clean out door
18" tube axial fan 3100 CFM @ 1/2 s.p. 3/4 HP

Clearances are the same.

500,000 BTU/hr Shop Heater



Output:

Up to 500,000 BTU/hr.

Firebox:

1/2" Steel End Walls

3/8" Plate Steel Cylinder

30" Diameter firebox x 57" length

21.5 cu. ft. volume

12" x 18" loading door

Induced draft/forced draft fan with 3/4 HP motor

10" Diameter Stack

Heat Exchanger:

(20) 2' diameter tubing x 47.25" length

10" x 24" clean-out door

24" tube axial fan-6,900 cfm @ 1/2 s.p., 1.5HP

Overall Dimensions:

Width: 40"

Length: 82"

Height: 87"

Weight: 4,300 lbs.

UL 391 Safe Clearance

Allow for at least 30" from sides

36" from back 48" from front*

18" from flue connector

6" from ducting and plenums

800,000 BTU/hr Shop Heater



Output:

Up to 800,000 BTU/hr.

Firebox:

3/4" Plate Steel End Walls

5/8" Plate Steel Cylinder

36" Diameter firebox x 60" length

35.34 Cubic Foot Volume

15" x 22" Loading Door

Induced draft/forced draft fan with 1 HP motor

12" Diameter Stack

Heat Exchanger:

(32) 2" diameter tubes x 48" length

(2) 17" x 17" Clean Out Doors

30" tube axial fan-9,000 cfm @ 1/2 s.p., 2HP

Overall Dimensions:

Width: 48"

Length: 88"

Height: 108"

Weight: 6,000 lbs.

UL 391 Safe Clearance

Allow for at least 30" from sides

36" from back 48" from front*

18" from flue connector

6" from ducting and plenums