

**Blaze  
King**

# Chinook-CBT

*Model CK24C/CK24F*



# Chinook-CBT

## The Truth About Heating With Wood

Blaze King Stoves provide optimum heating efficiency from solid wood fuel. When wood is initially burned in the firebox, as much as one-third of the wood's energy is released as gases and liquid/vapor materials. Blaze King catalytic combustors capture these gases and materials and "burns" them instead of allowing this valuable energy source to escape up the chimney. This second burn capability means greater heat output, cleaner emissions from the wood consumed and a cleaner chimney! Your overall consumption of wood is reduced while heat output is increased. The "Real World" Btu's listed are what the average consumer can expect to achieve, with slight variations depending upon geographical location, type of wood, elevation and amount of fuel added. If you were to stand in front of your Blaze King Chinook-CBT Wood Stove and frequently add fuel, burn the unit on high and have optimal conditions, your stove could produce much higher BTU's, but that would not represent how you would operate your stove.



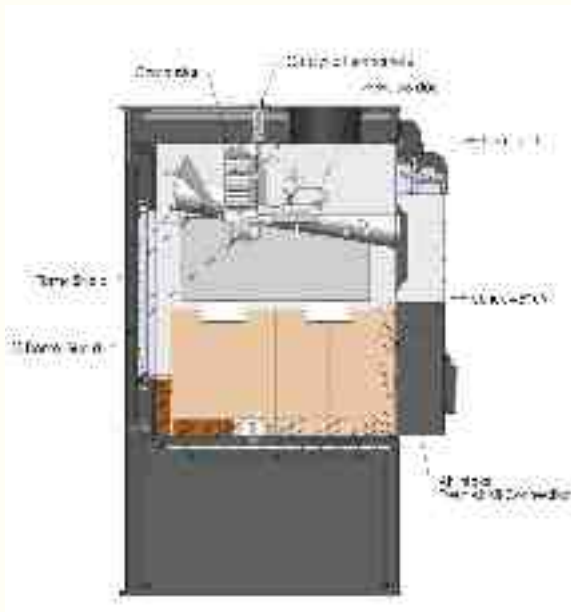
### Chinook-CBT With Curved Sides (CK24C) or Chinook-CBT With Flat Sides (CK24S)

You get to decide which is perfect for your home. The more contemporary appearance of the Blaze King Chinook-CBT with curved sides or the more classic lines of the Chinook-CBT with flat sides.

Keep in mind that although both stoves have the same firebox and superior performance characteristics, there are slight changes in specifications and clearances. Please consult the Clearances and Specifications in this brochure for details.

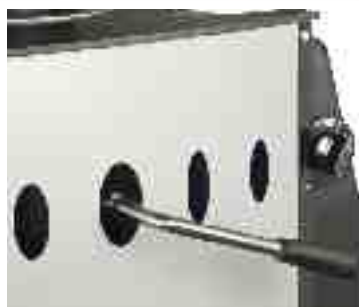


*Shown with optional ash drawer.*



### *From The Catalytic Experts....*

Blaze King was the first manufacturer to certify a clean burning catalytic wood in November of 1984 under the Oregon Department of Environmental Quality. We have continued to refine our catalytic combustion design and while others in our industry have turned their backs on the technology, we have embraced it whole-heartedly. The Chinook CBT (Clean Burn Technology) is our cleanest burning catalytic wood stove and embodies nearly three decades of continuing refinement.



### Automatic Thermostat & By Pass

Blaze King's thermostat eliminates the need for constant adjustment of draft controls such as those found on ordinary wood stoves. This thermostat, which we have used since 1977, automatically compensates for the natural uneven burning of wood. The by pass handle lifts a steel plate and should be opened each time a fire is started or wood is added to the fire. When closed, the by-pass redirects all the hot gasses through the catalytic combustor to assure peak performance, ultra clean burning and high efficiencies.

### Dual Air Fan System

Radiant heat only works when there are no obstacles in the way. Unfortunately the truth is most homes are filled with furniture and other obstacles, blocking radiant heat. Blaze King solves this problem by using a dual fan system to move room air over the stove's top surface, warming it and circulating it into your home.

# Clearances

## Min. Clearances For Chinook-CBT CK24C With Curved Sides

Residential Installation	A	B	C	D	E	F	J
Roof Exit, Parallel & Corner <i>(No Rear Shield or Fans Required)</i>	9 1/2"	6"	20 5/8"	*13 5/8"	4"	*14 1/2"	72"
Wall Exit, Parallel & Corner <i>(No Rear Shield or Fans Required)</i>	9 1/2"	6"	20 5/8"	*13 5/8"	4"	*14 1/2"	*74"
Alcove, Roof Or Wall Exit <i>(Must Use Fan Kit or Rear Shield &amp; Double Wall Pipe)</i>	9 1/2"	6"	20 5/8"	13 5/8"	N/A	N/A	72"
Mobile Home Installation							
Roof Exit, Parallel & Corner <i>(Must Use Fan Kit or Rear Shield &amp; Double Wall Pipe and Fresh Air Intake Kit)</i>	9 1/2"	6"	20 5/8"	13 5/8"	4"	14 1/2"	72"

### Alcove Minimum Requirements

Width 48" Maximum Depth 48" Minimum Height 72"

*\* Check Local Codes/Pipe Manufacturer Requirements For Clearances. In All Of Canada and Most Of USA, 18" Clearances From Single Wall Pipe Is Required.*

### Hearth Protection

	Ember Protection	G	H	I	K
USA	43 1/4" x 34 3/4"	2 3/4"	16"	0"	18" (Single Wall Pipe)
Canada	53 1/4" x 45 1/4"	8"	18"	8"	18" (If K=18" Then J=84")

## Min. Clearances For Chinook-CBT CK24F With Flat Sides

Residential Installation	A	B	C	D	E	F	J
Roof Exit, Parallel & Corner <i>(No Rear Shield or Fans Required)</i>	10 3/4"	6"	20 5/8"	*13 5/8"	4"	*14 1/2"	72"
Wall Exit, Parallel & Corner <i>(No Rear Shield or Fans Required)</i>	10 3/4"	6"	20 5/8"	*13 5/8"	4"	*14 1/2"	*74"
Alcove, Roof Or Wall Exit <i>(Must Use Fan Kit or Rear Shield &amp; Double Wall Pipe)</i>	10 3/4"	6"	20 5/8"	13 5/8"	N/A	N/A	72"
Mobile Home Installation							
Roof Exit, Parallel & Corner <i>(Must Use Fan Kit or Rear Shield &amp; Double Wall Pipe and Fresh Air Intake Kit)</i>	10 3/4"	6"	20 5/8"	13 5/8"	4"	14 1/2"	72"

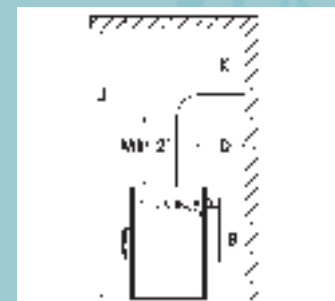
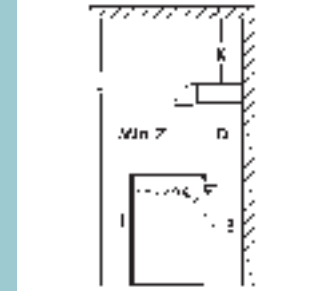
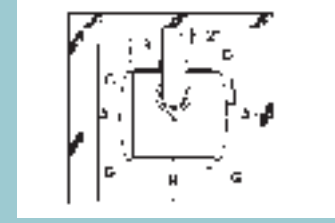
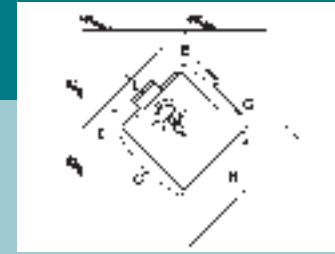
### Alcove Minimum Requirements

Width 48" Maximum Depth 48" Minimum Height 72"

*\* Check Local Codes/Pipe Manufacturer Requirements For Clearances. In All Of Canada and Most Of USA, 18" Clearances From Single Wall Pipe Is Required.*

### Hearth Protection

	Ember Protection	G	H	I	K
USA	43 1/4" x 34 3/4"	4"	16"	0"	18" (Single Wall Pipe)
Canada	53 1/4" x 42 3/4"	8"	18"	8"	18" (If K=18" Then J=84")



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# Specifications



	CK24C (CURVED SIDES)	CK24F (FLAT SIDES)
Square Ft. Heating Capacity	1200+	1200+
Wood Length ( <i>Front to Back Loading</i> )	16"-18"	16"-18"
Wood Capacity Soft Wood	40 lbs	40 lbs
Wood Capacity Hard Wood	60 lbs	60 lbs
Approximate Weight	450 lbs	450 lbs
Width	29 1/4"	26 3/4"
Depth (with fans)	31 1/2"	31 1/2"
Height	35"	35"
Flue Size	6"	6"
Door Opening	18 5/8" x 9 7/8"	18 5/8" x 9 7/8"
Firebox Depth ( <i>Front to Back</i> )	18"	18"
Width	20"	20"
Height	12 3/4"	12 3/4"
Firebox Capacity	2.75 Cu/Ft	2.75 Cu/Ft
Emissions-EPA Weighted Average	1.0 grams/hr	1.0 grams/hr
Btu's-EPA Test Fuel	27,280 Btu's	27,280 Btu's
Real World Btu's Cordwood	40,000 Btu's	40,000 Btu's
Low Burn Time-Soft Wood	30+ hrs	30+ hrs
High Burn Time-Soft Wood	8+ hrs	8+ hrs

NOTICE: Improper installation of your wood burning appliance or failure to operate it according to the guidelines detailed in the owners manual, may negate your warranty and endanger your home or family. Contact local building or fire officials about restrictions and installation requirements in your area. Photos and illustrations are for descriptive purposes only. Changes dictated by the manufacturer's continuing design improvement programs may not be shown. These products are covered by one or more patents in the United States, Canadian and other countries. All Blaze King® Industries products are manufactured under license agreement from: Blaze King® Industries, 146 A Street, Walla Walla, WA. 99362 and in Canada by Blaze King® Systems Inc. 1290 Commercial Way, Penticton BC V2A3H5. Design and specifications subject to change without notice. 3/11 CP78355 5M

Overall efficiency is based upon burning your stove on low, medium low, medium high and high burn rates. Low Heat Value (LHV) is the European method of testing efficiency and excludes any Btu's consumed in an effort to extract all the moisture from the wood fuel. Blaze King prefers the overall efficiency given it best reflects real world performance.

Overall Efficiency	76.1%
Low Heat Value (LHV) Efficiency	86.7%



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