

# ADAMS

## COMMERCIAL & LARGE RESIDENTIAL GAS & OIL FIRED FURNACES

### The Furnace for Every Application:



#### HIGHBOY SERIES

Available for either residential, commercial or light industrial use. Input sizes from 70,000 to 1,000,000 BTU/Hr. These compact highboy models will fit into utility rooms, basements or right on a factory floor. Standard models are equipped with front flues; rear flues are available on special order.

Two stage firing is available on 700,000 and 1,000,000 BTU models.

#### HORIZONTAL SERIES

Especially designed for convenient installation in garages, attics or crawl space installations in homes,

stores, service stations, factories and warehouses.

No furnace or utility room needed. Hanger channels, filters and 2-stage pump are optional. Two stage firing is available on 700,000 and 1,000,000 BTU models.



#### COUNTERFLOW SERIES

The Counterflow model is specifically designed for use in concrete slab buildings or those with crawl space areas using perimeter or radial type systems. Non-combustible base available for installation on wood floors. Available from 90,000 to 1,000,000 BTU/Hr. Standard models are equipped with

front flues; rear flues available on special order. Two stage firing is available on 700,000 and 1,000,000 BTU models.

#### LOWBOY SERIES

Designed for buildings or homes with basements; Heat exchangers are heavy gauge, cylindrical designed steel. Standard models are equipped with rear flue. Front flue models available on special order. Available from 90,000 to 1,000,000 BTU/Hr. Two stage firing is available on 700,000 and 1,000,000 BTU models.



#### CONVERTS EASILY TO COOLING

All of the furnaces shown here are easily adapted for use as summer air-conditioning units. Simply add a cooling package to an existing gas or oil-fired warm air furnace. All air-conditioners are air cooled and require no water source. Complete range of models and sizes are available.



# **SPECIFICATIONS**

## **AACOV HIGHBOY**

| Model Number | BTU/Hr. Input | BTU/Hr. Output | CFM @ .20 | MTR. H.P. | CFM @.50 ESP COOL | MTR. H.P. | FLUE DIA. |
|--------------|---------------|----------------|-----------|-----------|-------------------|-----------|-----------|
| AACOV175     | 175,000       | 140,000        | 1400      | 1/2       | 2000              | 3/4       | 6"        |
| AACOV230     | 230,000       | 184,000        | 1800      | 3/4       | 2100              | 1         | 8"        |
| AACOV350     | 350,000       | 280,000        | 2600      | 1         | 3000              | 1-1/2     | 9"        |
| AACOV500     | 500,000       | 400,000        | 4000      | 2         | 4200              | 2         | 12"       |
| AACOV700     | 700,000       | 560,000        | 5200      | (2) 1     | 6000              | (2) 1-1/2 | (2) 9"    |
| AACOV1000    | 1,000,00      | 800,000        | 8000      | (2) 2     | 8400              | (2) 2     | (2)       |

Standard models are equipped with front flue, rear flues are available.

## **AACO LOWBOY**

|          |          |         |      |       |      |           |        |
|----------|----------|---------|------|-------|------|-----------|--------|
| AACO175  | 175,000  | 140,000 | 1400 | 1/2   | 2000 | 3/4       | 6"     |
| AACO230  | 230,000  | 184,000 | 1800 | 3/4   | 2100 | 1         | 8"     |
| AACO350  | 350,000  | 280,000 | 2600 | 1     | 3000 | 1-1/2     | 9"     |
| AACO500  | 500,000  | 400,000 | 4000 | 2     | 4200 | 2         | 12"    |
| AACO700  | 700,000  | 560,000 | 5200 | (2) 1 | 6000 | (2) 1-1/2 | (2) 9" |
| AACO1000 | 1,000,00 | 800,000 | 8000 | (2) 2 | 8400 | (2) 2     | (2)    |

Standard models are equipped with rear flue, front flues are available.

## **AOCF COUNTERFLOW**

|          |          |         |      |       |      |           |        |
|----------|----------|---------|------|-------|------|-----------|--------|
| AOCF175  | 175,000  | 140,000 | 1400 | 1/2   | 2000 | 3/4       | 6"     |
| AOCF230  | 230,000  | 184,000 | 1800 | 3/4   | 2100 | 1         | 8"     |
| AOCF350  | 350,000  | 280,000 | 2600 | 1     | 3000 | 1-1/2     | 9"     |
| AOCF500  | 500,000  | 400,000 | 4000 | 2     | 4200 | 2         | 12"    |
| AOCF700  | 700,000  | 560,000 | 5200 | (2) 1 | 6000 | (2) 1-1/2 | (2) 9" |
| AOCF1000 | 1,000,00 | 800,000 | 8000 | (2) 2 | 8400 | (2) 2     | (2)    |

Standard models are equipped with front flue, rear flues are available.

## **ASO HORIZONTAL**

|         |          |         |      |       |      |           |        |
|---------|----------|---------|------|-------|------|-----------|--------|
| ASO175  | 175,000  | 140,000 | 1400 | 1/2   | 2000 | 3/4       | 6"     |
| ASO230  | 230,000  | 184,000 | 1800 | 3/4   | 2100 | 1         | 8"     |
| ASO350  | 350,000  | 280,000 | 2600 | 1     | 3000 | 1-1/2     | 9"     |
| ASO500  | 500,000  | 400,000 | 4000 | 2     | 4200 | 2         | 12"    |
| ASO700  | 700,000  | 560,000 | 5200 | (2) 1 | 6000 | (2) 1-1/2 | (2) 9" |
| ASO1000 | 1,000,00 | 800,000 | 8000 | (2) 2 | 8400 | (2) 2     | (2)    |

Standard models are equipped with front flue, rear flues are available.

**ADAMS**  
MANUFACTURING COMPANY

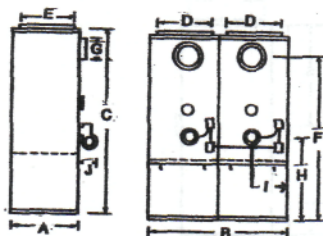
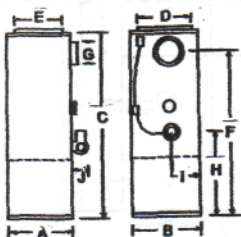
9790 Midwest Ave. • Cleveland, Ohio 44125

(216) 587-6801

adamsx@att.net

Available from:

## DIMENSIONS

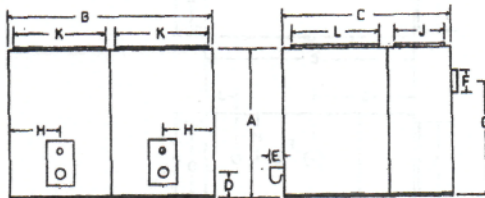
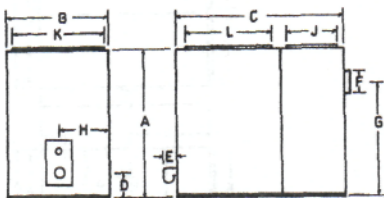


AACOV175 - AACOV500

## HIGHBOY

AACOV700 - AACOV1000

| Model     | A   | B   | C   | D   | E   | F   | G   | H   | I     | J   |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|
| AACOV175  | 27" | 27" | 72" | 22" | 22" | 56" | 6"  | 30" | 13.5" | 8"  |
| AACOV230  | 30" | 30" | 76" | 26" | 26" | 63" | 8"  | 36" | 15"   | 10" |
| AACOV350  | 36" | 36" | 76" | 34" | 34" | 69" | 9"  | 35" | 18"   | 10" |
| AACOV500  | 42" | 42" | 96" | 38" | 38" | 86" | 12" | 46" | 21"   | 10" |
| AACOV700  | 36" | 72" | 76" | 34" | 34" | 69" | 9"  | 35" | 18"   | 10" |
| AACOV1000 | 42" | 84" | 96" | 38" | 38" | 86" | 12" | 46" | 21"   | 10" |



AACO175 - AACO500

## LOWBOY

AACO700 - AACO1000

| Model    | A   | B   | C   | D     | E    | F   | G   | H     | J   | K   | L   |
|----------|-----|-----|-----|-------|------|-----|-----|-------|-----|-----|-----|
| AACO175  | 48" | 27" | 59" | 8"    | *    | 8"  | 33" | 13.5" | 16" | 22" | 22" |
| AACO230  | 52" | 29" | 63" | 9"    | *    | 8"  | 45" | 15"   | 19" | 24" | 24" |
| AACO350  | 53" | 36" | 61" | 11"   | 8.5" | 9"  | 37" | 18"   | 13" | 34" | 34" |
| AACO500  | 65" | 42" | 72" | 12.5" | 8.5" | 12" | 54" | 22"   | 13" | 38" | 38" |
| AACO700  | 53" | 72" | 63" | 11"   | 8.5" | 9"  | 37" | 18"   | 13" | 34" | 34" |
| AACO1000 | 65" | 85" | 72" | 12.5" | 8.5" | 12" | 54" | 22"   | 13" | 38" | 38" |

\*Burner enclosed in furnace housing 175 & 230 models only.

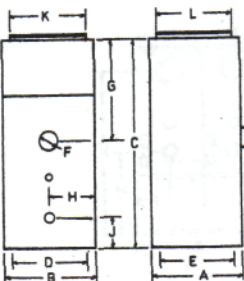
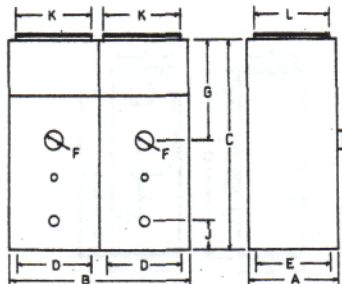
# ADAMS

9790 MIDWEST AVENUE  
CLEVELAND, OHIO 44125

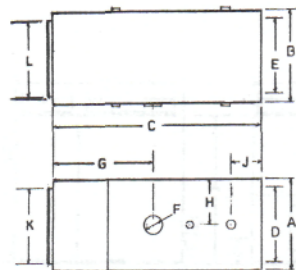
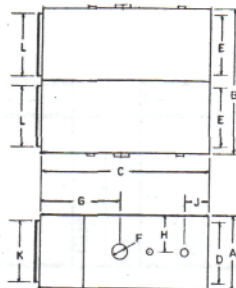
WWW.ADAMSMANUFACTURING.COM

Phone 216-587-6801

Fax 216-587-6807

**DIMENSIONS****AOCF175 - AOCF500****COUNTERFLOW****AOCF700 - AOCF1000**

| Model    | A   | B   | C   | D   | E   | F   | G   | H     | J   | K   | L   |
|----------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|
| AOCF175  | 27" | 27" | 72" | 22" | 22" | 6"  | 30" | 13.5" | 9"  | 20" | 25" |
| AOCF230  | 30" | 30" | 76" | 26" | 26" | 8"  | 38" | 15"   | 13" | 32" | 25" |
| AOCF350  | 36" | 36" | 76" | 34" | 34" | 9"  | 30" | 18"   | 13" | 32" | 32" |
| AOCF500  | 42" | 42" | 96" | 38" | 38" | 12" | 46" | 21"   | 13" | 40" | 40" |
| AOCF700  | 36" | 72" | 76" | 34" | 34" | 9"  | 30" | 18"   | 13" | 32" | 32" |
| AOCF1000 | 42" | 84" | 96" | 38" | 38" | 12" | 46" | 21"   | 13" | 40" | 40" |

**ASO175 - ASO500****HORIZONTAL****ASO700 - ASO1000**

| Model   | A   | B   | C   | D   | E   | F   | G   | H     | J   | K   | L   |
|---------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|
| ASO175  | 27" | 27" | 72" | 22" | 22" | 6"  | 30" | 13.5" | 9"  | 20" | 25" |
| ASO230  | 30" | 30" | 76" | 26" | 26" | 8"  | 38" | 15"   | 13" | 32" | 25" |
| ASO350  | 36" | 36" | 76" | 34" | 34" | 9"  | 30" | 18"   | 13" | 32" | 32" |
| ASO500  | 42" | 42" | 96" | 38" | 38" | 12" | 46" | 21"   | 13" | 40" | 40" |
| ASO700  | 36" | 72" | 76" | 34" | 34" | 9"  | 30" | 18"   | 13" | 32" | 32" |
| ASO1000 | 42" | 84" | 96" | 38" | 38" | 12" | 46" | 21"   | 13" | 40" | 40" |

**ADAMS**

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Phone 216-587-6801

Fax 216-587-6807

# ADAMS

## RESIDENTIAL OIL-FIRED FURNACES

**The Furnace for Every Application:**



Keep Your Family and Home Warm and Cozy When it's Cold Outside



# ADAMS



### HIGHBOY-AUTO Series

This power packed Highboy with burner and controls enclosed in a modern style cabinet fits easily into utility rooms or basements.

Available in five sizes:  
70,000, 90,000,  
105,000, 120,000  
& 140,000 BTU.



### COUNTERFLOW Series AOCF

Counterflow models are specifically designed for use in basementless homes using radial or perimeter type heating systems. The burner is exposed for easy access.

Available in four sizes, from  
90,000 to 140,000  
BTU input.

### LOWBOY Series AACO

The Lowboy model is designed for homes with basements. All burners and controls are completely enclosed.

Available in four sizes  
from 90,000 to  
140,000 BTU input.



### HORIZONTAL SUSPENDED Series ASO

Designed for convenient installations in garages, attics, or crawl space installation in homes, stores, service stations, factories and warehouses. No furnace or utility room is needed.

Hanger channels, filters and 2-stage pump are optional.

Available in four sizes from 90,000 to 140,000 BTU input.



### CONVERTS EASILY TO COOLING

All of the furnaces shown here are easily adapted for use as summer air-conditioning units. Simply add a cooling package to an existing gas or oil-fired warm air furnace. All air-conditioners are air cooled and require no water source. Complete range of models and sizes are available.





Available in Four Different Models to Fit Every Heating Need.  
Available in up to Five Different BTU Ratings. From 70,000 to 140,000.

**All Models can be Air Conditioning Ready-Simply add a Cooling**

Package and You Will Have a Dual Purpose Comfort Machine. Heating in the Winter and Cooling in the Summer.

● **The super high efficiency oil burner** coupled with our wrap-around heat exchanger and pyro-ceramic combustion chamber are the ingredients which boost up the efficiency level to make affordable and comfortable heating for today and tomorrow.

- **More efficient combustion** higher static air pressure provides better combustion, even in poor draft areas. Positive pre-mixing of oil and air produces excellent combustion characteristics. This power burner action accounts for a hotter flame...less fuel consumption.

- **Non-condensing combustion**, no drain line or sewer hook-up is required.

For Total Home Comfort  
Add a HUMIDAIRE Humidifier  
and CLEANAIRE Electronic  
Air Cleaner ....



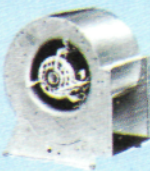
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(216) 587-6801  
email: adamsx@att.net

email: adamsx@att.net

**Draft-O-Stat**  
Each furnace  
equipped with  
vented Draft-O-  
"World's fine-  
metric contro



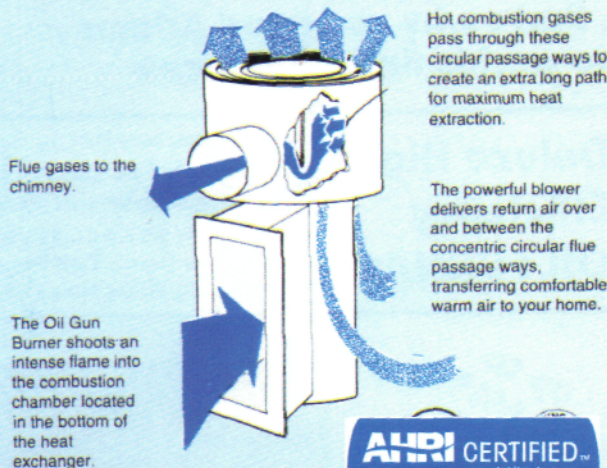
**Direct-drive Blower**  
The furnace is equipped with a 3-speed, whisper quiet direct drive blower assembly. No lubrication is required. The motor is equipped with overload protection shielded against TV and radio interference. Blower assembly is isolated from the furnace by rubber pads to eliminate noise and vibration.



**Pyro-ceramic**  
Combustion Chamber  
Preformed pyro-ceramic  
fiber combustion chamber  
is a one piece,  
molded unit and factory  
installed in the heat ex-  
changer. Warm-up is  
practically instantaneous,  
gaining immediate utiliza-  
tion of fuel at the start of  
the burner ON cycle.



Constructed of heavy gauge, heat resistant steel . . . one piece, seamless, permanently gas tight . . . with a pyro-ceramic combustion chamber.



## SPECIFICATIONS AND DIMENSIONS

| <b>Model Number</b>   | <b>BTU Input</b> | <b>Approx Shipping Weight</b> | <b>Motor HP</b> | <b>Heating CFM<br/>.20 SP</b> | <b>Cooling CFM<br/>.50 SP</b> | <b>Tons Cooling</b> | <b>Dimensions</b>                                                                                                                   |
|-----------------------|------------------|-------------------------------|-----------------|-------------------------------|-------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>LOWBOY *</b>       |                  |                               |                 |                               |                               |                     |                                                                                                                                     |
| AACO 90 & 90-3        | 90,000           | 240                           | 1/3             | 800                           | 1200                          | 3                   | Cabinet Height 42½", Width 22", Depth 51½"                                                                                          |
| AACO 105&105-3        | 105,000          | 240                           | 1/3             | 1000                          | 1200                          | 3                   | Cold air intake opening 20" x 15"                                                                                                   |
| AACO 120              | 120,000          | 250                           | 1/3             | 1200                          | -                             | -                   | Warm air discharge 20" x 22"                                                                                                        |
| AACO 120-3.5          | 120,000          | 250                           | 1/2             | -                             | 1400                          | 3.5                 | Height, floor to center of flue, 37"                                                                                                |
| AACO 140              | 140,000          | 260                           | 1/2             | 1400                          | -                             | -                   | Two filters, one 10" x 20" x 1"                                                                                                     |
| AACO 140-4            | 140,000          | 260                           | 3/4             | -                             | 1600                          | 4                   | and one 20" x 20" x 1"                                                                                                              |
| <b>HIGHBOY **</b>     |                  |                               |                 |                               |                               |                     |                                                                                                                                     |
| AUFU 70 & 70-2.5      | 70,000           | 240                           | 1/3             | 800                           | 1000                          | 2.5                 | Cabinet Height 60", Width 22", Depth 34"                                                                                            |
| AUFU 90 & 90-3        | 90,000           | 240                           | 1/3             | 1000                          | 1200                          | 3                   | Cold air intake opening 19" x 24"                                                                                                   |
| AUFU 105&105-3        | 105,000          | 240                           | 1/3             | 1000                          | 1200                          | 3                   | Warm air discharge 20" x 22"                                                                                                        |
| AUFU 120              | 120,000          | 250                           | 1/3             | 1200                          | -                             | -                   | Height, floor to center of flue 50"                                                                                                 |
| AUFU 120-3.5          | 120,000          | 250                           | 1/2             | -                             | 1400                          | 3.5                 | Filter 20" x 25" x 1"                                                                                                               |
| AUFU 140              | 140,000          | 260                           | 1/2             | 1400                          | -                             | -                   |                                                                                                                                     |
| AUFU 140-4            | 140,000          | 260                           | 3/4             | -                             | 1600                          | 4                   |                                                                                                                                     |
| <b>COUNTERFLOW **</b> |                  |                               |                 |                               |                               |                     |                                                                                                                                     |
| AOCF 90 & 90-2.5      | 90,000           | 235                           | 1/3             | 800                           | 1200                          | 3                   | Cabinet Height 63", Width 23", Depth 25"                                                                                            |
| AOCF 105&105-3        | 105,000          | 245                           | 1/3             | 1000                          | 1200                          | 3                   | Cold air intake opening, 20" x 20"                                                                                                  |
| AOCF 120              | 120,000          | 245                           | 1/3             | 1200                          | -                             | -                   | Warm air discharge 18½" x 18½"                                                                                                      |
| AOCF 120-3.5          | 120,000          | 245                           | 1/2             | -                             | 1400                          | 3.5                 | Height, floor to center of flue 34½"<br>Filter 20" x 20" x 1"                                                                       |
| AOCF 140              | 140,000          | 315                           | 3/4             | 1400                          | -                             | -                   | Cabinet Height 72", Width 27", Depth 27"                                                                                            |
| AOCF 140-4            | 140,000          | 315                           | 3/4             | -                             | 1600                          | 4                   | Cold air intake opening, 20" x 25"<br>Warm air discharge 23" x 23"<br>Height, floor to center of flue 36"<br>Filter 20" x 25" x 1"  |
| <b>HORIZONTAL **</b>  |                  |                               |                 |                               |                               |                     |                                                                                                                                     |
| ASO 90 & 90-2.5       | 90,000           | 235                           | 1/3             | 800                           | 1200                          | 3                   | Cabinet Height 23", Width 63", Depth 25"                                                                                            |
| ASO 105 & 105-3       | 105,000          | 245                           | 1/3             | 1000                          | 1200                          | 3                   | Cold air intake opening, 20" x 20"                                                                                                  |
| ASO 120               | 120,000          | 245                           | 1/3             | 1200                          | -                             | -                   | Warm air discharge 18½" x 18½"                                                                                                      |
| ASO120-3.5            | 120,000          | 245                           | 1/2             | -                             | 1400                          | 3.5                 | Height, floor to center of flue 11½"<br>Filter 20" x 20" x 1"                                                                       |
| ASO 140               | 140,000          | 315                           | 3/4             | 1400                          | -                             | -                   | Cabinet Height 27", Width 72", Depth 27"                                                                                            |
| ASO 140-4             | 140,000          | 315                           | 3/4             | -                             | 1800                          | 4                   | Cold air intake opening, 20" x 25"<br>Warm air discharge 23" x 23"<br>Height, floor to center of flue 13½"<br>Filter 20" x 25" x 1" |

*Available from:*

[www.adamsmanufacturing.com](http://www.adamsmanufacturing.com)