



ENERGY SYSTEMS

The World Leader In Used-Oil Heating Systems™



The Industry Workhorses

# Large Volume Used-Oil Furnaces

## Models CB-3500 & CB-5000

Clean Burn CB-3500 and CB-5000 used-oil furnaces are the workhorses of the industry. They provide high volume heating capacity and legendary reliability for larger facilities.

Engineered from the ground up to burn used oil, these units are the industry gold standard for quality, reliability and long service life.

Only Clean Burn has a national network of authorized factory trained technicians for the finest installation and service.



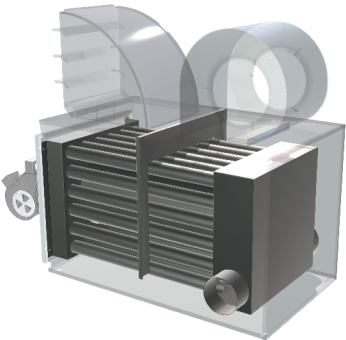
Model CB-3500

Model CB-5000



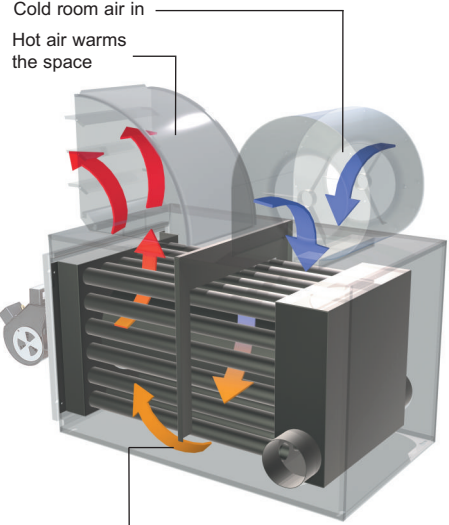
Clean Burn is a strong advocate of environmental protection and energy conservation. Our multi-oil heating systems, storage tanks and recycling centers eliminate extra handling and transportation of used oils and, consequently, help avoid the possibility of used oils entering our water supplies.

The first choice for efficiency, reliability and return on investment



**Inside the red box**

Unmatched engineering and quality construction lie at the heart of these large-capacity furnaces. There is no better choice than Clean Burn for reliable operation and long service life.



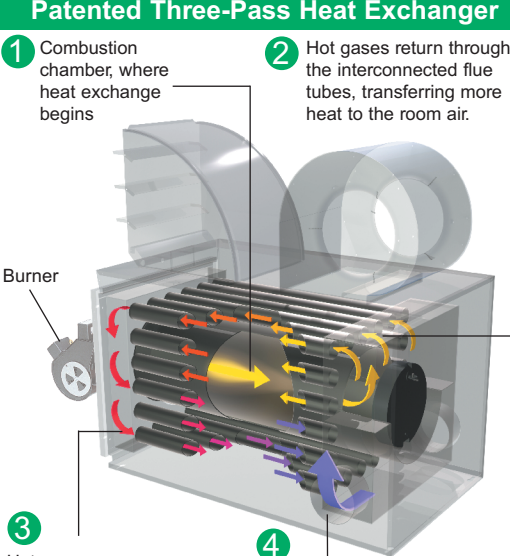
Cold room air in

Hot air warms the space

Cold room air is heated by contact with the large amount of heat exchange surface area as it circulates around the flue tubes.

**Patented Three-Pass Heat Exchanger**

- 1 Combustion chamber, where heat exchange begins
- 2 Hot gases return through the interconnected flue tubes, transferring more heat to the room air.
- 3 Hot gases reverse direction again, extracting even more heat.
- 4 Chimney exhaust, where stack temperatures are lower than any other comparable unit.



# The world's most reliable, most technically advanced used-oil furnaces, only from Clean Burn.

## The Gold Standard in Used-Oil Heating Equipment

- Engineered from the ground up to burn used oils, works with all oil types
- UL-listed as both a unit heater and a central (ducted) furnace
- Longest cleaning interval of all units in its class
- Unequaled service and support through Clean Burn Distributors
- Stainless steel combustion chamber, non-welded flue tubes, long service life
- Advanced burner preheats oil, regulates and optimizes combustion
- Swing-away burner and door for easy maintenance and service
- Automatic flow control, no fuel adjustments required
- Government purchasing: GS-07F-5357P

### Model CB-3500

The Clean Burn Model CB-3500 is rated at approximately 350,000 BTU/h. Designed for easy installation and convenient service. UL listed for use as a unit heater or central (ducted) furnace.

#### \*Maximum BTU/hour

350,000 (102 kW)

#### \*Maximum oil consumption

2.5 GPH (9.5 L/h)

#### Fuels

Used oils Crankcase, ATF, hydraulic  
Fuel oils #2, #4, and #5 fuel oil

#### Air flow output (CFM)

Unit heater 4200  
Central furnace (ducted)  
0.25 SPWC (in.) 4000  
0.30 SPWC (in.) 3800

#### \*Air compressor req'd

2.0 CFM @ 25 PSI  
(3.4 m<sup>3</sup>/h @ 1.7 bar)

#### Stack size

8 inch dia. (203mm dia.)

#### Furnace dimensions, assembled

74" L x 35 W x 61 H  
(1880mm x 889mm x 1549mm)

#### Approx. weight (uncrated)

850 pounds (385 kg)

#### Electrical requirements

230 VAC 60 Hz, single phase  
30 A circuit breaker

### Model CB-5000

The Model CB-5000, our largest furnace, is rated at approximately 500,000 BTU/hr. Popular at facilities with multiple bays. UL listed for use as a unit heater or central (ducted) furnace.

#### \*Maximum BTU/hour

500,000 (146 kW)

#### \*Maximum oil consumption

3.6 GPH (13.6 L/h)

#### Fuels

Used oils Crankcase, ATF, hydraulic  
Fuel oils #2, #4, and #5 fuel oil

#### Air flow output (CFM)

Unit heater 5500  
Central furnace (ducted)  
0.25 SPWC (in.) 5200  
0.40 SPWC (in.) 5000

#### \*Air compressor req'd

2.0 CFM @ 25 PSI  
(3.4 m<sup>3</sup>/h @ 1.7 bar)

#### Stack size

10 inch dia. (254mm dia.)

#### Furnace dimensions, assembled

78" L x 38 W x 73 H  
(1981mm x 965mm x 1845mm)

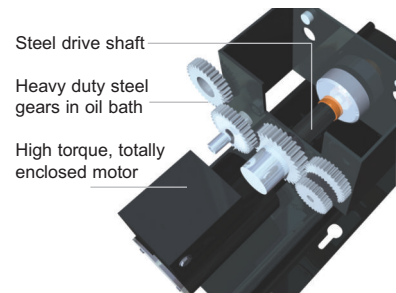
#### Approx. weight (uncrated)

1036 pounds (466.2 kg)

#### Electrical requirements

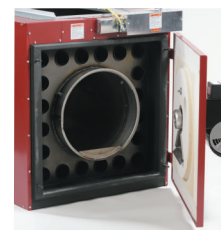
230 VAC 60 Hz, single phase  
30 A circuit breaker

### Powerful & Dependable Metering Pump



*Nothing else compares for reliability and installation options. The superior Clean Burn pumping systems have the potential to pump oil up to 300' distance with minimum -40°F oil temperature, and will draw oil stored in outside tanks.*

### Easy access for cleaning and service



*Door swings open for easy cleaning.*



*Burner swings out for easy service.*

#### Furnace systems include:

- In-line washable oil filter
- Tank filter
- Vacuum gauge for filter
- Barometric damper
- Wall thermostat
- Oil line fittings package
- Check valve
- Oil supply pump



\* Values indicated above are nominal. Actual values will vary depending on fuel and installation.

# CLEAN BURN

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*All Clean Burn products are backed by unmatched professional factory installation and service*