

▶ Little-Hot

It almost Pays to be Idle



The Aqua-Hot® Heating Systems Little-Hot™ Anti-Idle delivers cabin heating and engine pre-heating with huge fuel savings and extremely low emissions in a single, easy to install self-contained unit.

Mandates against idling put a lot of pressure on truckers. Good sense and new health rules mean you need to get quality rest. That can be hard to come by with an idling engine creating vibrations, noises and fumes. And who wants to pay for a motel and then wait for a service truck on a cold day?

You will get a fast pay back on your investment; typically between six and twelve months based on fuel savings. Plus the Little-Hot gives you the versatility you need to cope with the stresses on the road and various state anti-idling regulations.



IMPROVE YOUR REST AND YOUR COMFORT

TribridHot™ Technology – Operate the Little-Hot on shore power, diesel fuel or off engine heat

▶ LowE3 Technology

Diesel Energy Fuel Consumption (.1 to .25 Gal/Hour vs idling at 1 to 2 Gal/HR)

Low Emissions (reduces emissions by over 99% vs idling)

Low Electricity Use (only 7.45 DC operating amps)

- ▶ Thermostatic Climate Control
- ▶ Engine pre-heating
- ▶ 30°F to 90°F in one hour
- ▶ Reduces Engine Wear 30% to 50%
- ▶ No Idling
- ▶ No Cold Starting
- ▶ 1-Year Warranty

Options:

Hot water module delivers 120-degree water continuously to a shower and sink.

Little-Hot

 **Aqua-Hot**
HEATING SYSTEMS INC.®

It's A Matter Of Comfort

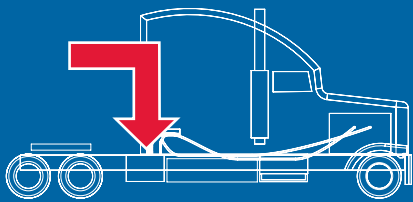
Little-Hot

NEW! TribridHot™ Technology pulls heat from one or a combination of heat sources

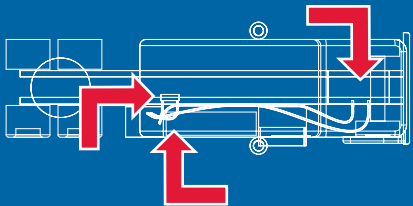
NEW! TribridHot™ Technology

TribridHot™ designated systems are designed to pull heat from one or a combination of sources. You can select the source. Diesel fuel when the engine is off. While you are driving or idling, use your engine's surplus heat. When you have AC power available, plug in. You can even combine sources. TribridHot™. It's technology at its warmest.

Little-Hot Installation Little-Hot slips into a standard box



Little-Hot connects to engine, fuel tank and floor board heat register



Test results show using the Aqua-Hot® Little-Hot™ with engine off reduces emissions over 99%

HybridHot™ Technology

Uses Engine Surplus Heat
Electrical Shore Power

Yes
Yes

Diesel Fuel Consumption
Fuel Usage (Running Continuously)
Fuel Usage (Average)
Fuel Usage (When Electricity is Available)
Fuel Usage (When Driving)
Max DC Operating Amps
Electric Heating Element(s)
Shore Power Circuit Requirement
Time Required to Preheat Engine 30°F - 90°F
Interior Heat / Sleeper Heat
Interior Thermostatic Heating Zones
Zone Circulation Pumps
Engine Preheat Pump
Controller Type
Heating Solution Storage Capacity
Expansion Tank Storage Capacity
Height x Width x Length (in inches)
Weight in Pounds (empty/full)
Optional Domestic Hot Water Supply
Domestic Water Temp
Domestic Water Flow Rate

.1 to .25 Gal/Hour
.25 Gal/Hour
.1 Gal/Hour
0 to .1 Gal/Hour
0 Gal/Hour
7.45
1-120V, 2000W
30 amps
1 Hour
8,200 to 24,600 BTUs
1
1
1
Electronic
4 Gallons
3 Quarts
9x18x26
90/136
Continuous
120°F
1.25 Gal/Min

Emission Average at Idle	NOx	CO2	HC	CO
Truck/Engine (600 RPM)	gr/hr	gr/hr	gr/hr	gr/hr
1999 Volvo/Detroit Diesel	83.40	3915.00	6.60	23.50
1992 Ford/Caterpillar	69.40	4653.00	14.90	28.10
1998 Freightliner/Cummins	154.50	5348.00	16.50	26.60
2001 Freightliner/Detroit Diesel	77.70	4392.00	7.90	22.20
Little-Hot Anti-Idle Emissions				
Little-Hot Average	0.09	0.09	0.01	0.11
Truck Average	96.25	4577.00	11.48	25.10
Little-Hot Reduction [%]	99.91	99.99	99.94	99.55

Grams	8 Hours		10 Hours		12 Hours	
	Truck	Little-Hot	Truck	Little-Hot	Truck	Little-Hot
NOx	770.00	0.69	962.50	0.86	155.00	1.03
CO2	36616.00	0.72	45770.00	0.90	54924.00	1.08
HC	91.80	0.06	114.75	0.07	137.70	0.08
CO	200.80	0.91	251.00	1.14	301.20	1.37

Source: Colorado State University 2009



Find us on line at
www.aqua-hot.com

Call us at (800) 685-4298
or (303) 659-8221

Aqua-Hot Heating Systems, Inc.
15549 East Highway 52
Fort Lupton, CO 80621
Fax: (303) 857-9000