

EXTREMELY EFFICIENT FLAMELESS HEATER EXTRACTING THE MAXIMUM BTU FROM THE ENERGY IN DIESEL. THE ENGINE TURNS A BALANCED TORQUE HEAT GENERATOR TO RAPIDLY HEAT FLUID & USES MULTIPLE HEAT EXCHANGERS, CAPTURING HEAT FROM THE RADIATOR, ENGINE BLOCK, & EXHAUST.

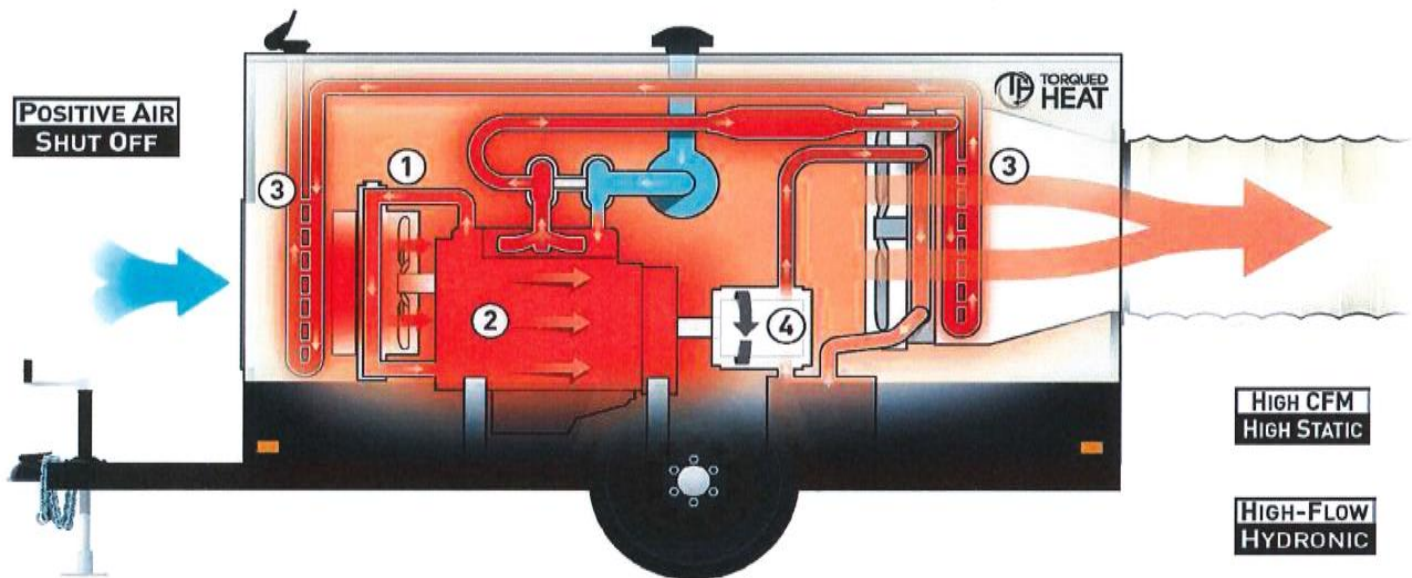
SMART FUEL MANAGEMENT

ENERGY EFFICIENCY – SMART FUEL MANAGEMENT

The unit adjusts RPM to supply only the heat needed, causing significantly less fuel consumption. Fuel savings can be over 50% ! REDUCE GPH FROM 5.2 TO <3.6

→ Competition – a typical 300,000 BTU hydronic heater uses over 3.25 GPH.

→ Competition – a typical 1,000,000 BTU force-air heater uses over 8.25 GPH.



COGENERATION HEAT & POWER

THERMAL EFFICIENCY – DUAL RAPID HEAT GENERATION

Combine the waste heat created in burning diesel fuel with a Torque Heat Generator that converts the engines torque into heat by shearing fluid.

1. Capture all the heat from the **RADIATOR & INTERCOOLER**
2. Capture all the heat from the **ENGINE BLOCK**
3. Extract significant heat with **MULTIPLE EXHAUST HEAT EXCHANGERS**
4. Use the engines torque to turn a **TORQUE HEAT GENERATOR**

KANSAS

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Manhattan
(785) 537-2101

Topeka
(785) 266-5770

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Features

One Machine for Both Forced Air & Hydronic Applications

Save fuel, maintenance, logistics with just one machine. The machine can operate in forced air only mode, hydronic only mode, or duel mode with both hydronic & forced air.

TORQUE HEAT GENERATOR

Extracts Maximum BTU from Diesel Fuel

The design provides drastic fuel savings. Directly attached to the crankshaft is a torque heat generator that rapidly creates heat by shearing fluid. Plus the machine uses multiple heat exchangers capturing heat from the radiator, engine block, & exhaust.

SMART FUEL MANAGEMENT

Smart Fuel Management

The machine is electronically controlled by temperature & CFM so system will lower RPM when temperature is reached. This typically saves 50% of fuel used compared to the industry standard of either on or off.

HIGH CFM HIGH STATIC

Highest CFM and Static Pressure

Drive air longer & higher. Hydraulically driven fan can deliver over 12,000CFM with over 5" Static Pressure. Fan speed is electronically controlled.

HIGH-FLOW HYDRONIC

High Flow Hydronic

18 GPM hydronic fluid flow, 9x faster. Deliver heat fast & consistent. Thaw 3-4 times faster, cure evenly.

POSITIVE AIR SHUT OFF

Keep the Heat Close

Flameless heat with PASO limits location restrictions so the machine can be where heat is needed, saving significant heat loss from a 150'+ hose run. Operate in the red zone.

Clean and Dry Air

Fresh air in = Fresh air out. No exhaust or moisture.



Reliable with Simple Maintenance

No high maintenance boilers or fire boxes, just routine diesel engine service on the Caterpillar C4.4. No Calibration.

Inside Fuel Tank with Fuel for Two Days

Fuel is kept warm inside providing greater fuel efficiency. Enough fuel to run over 48 hours in normal operation.

Designed for Rough Field Use

The components are designed for transport & field use. We do not use residential or stationary components.

Harmonically Balanced for Long Life

Every system is harmonically balanced & then equipped with a custom engineered anti-vibration plate so harmonics don't damage engine or THG. Torqued Heat is the only manufacturer that does this.

Fork and Crane Placement

Single axle trailer with ball or pintle hitch (ball optional) that can be lifted with a fork lift or crane.

Full Fluid Containment

In addition to using environmentally safe (non-toxic, non-hazardous, non-combustible) heat transfer fluid, the machine meets UL standards for the US and Canada.

Fuel Consumption	Ambient Temp	Set Temperature	Outlet Temperature	CFM	Delivered BTU's
3.25 GPH	-16°	185°	172°	3200	649,728
3.88 GPH	-16°	200°	204°	3600	855,360
4.72 GPH	-16°	185°	182°	5000	1,069,200
4.77 GPH	-16°	185°	182°	7000	1,496,880

Options

Powered Hose Reels

Powered hose reel with 3600 feet of hose (6 x 600').

Custom Hose Reels & Packages

We can design specific hose packages for your application.

Specifications

Length/Width/Height: 183/86/106in 465/219/270cm

Weight w/o fuel and with: 7000/9000lbs 3175/4083kg

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