



## Model TD300 Model TD600

# Mobile Hydronic Heaters

by  
**heat wagon** 

# heat wagon

TD300

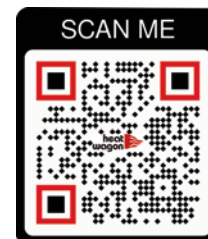


*Max Thawing Capability With 3,000' Hose...4,500 Sq. Ft. (18" Spacing)  
Max Curing Capability With 3,000' Hose...6,000 Sq. Ft. (24" Spacing)*

TD600



*Max Thawing Capability With 5,000' Hose...7,500 Sq. Ft. (18" Spacing)  
Max Curing Capability With 5,000' Hose...10,000 Sq. Ft. (24" Spacing)*



- Unmatched temperature control with adjustable "flow reverser" control
- Designed to operate in colder climates . . . as low as -40°F
- Enclosed trailer offers convenience and ease
- 8-light diagnostic panel for foolproof troubleshooting with external operating light
- Climate control system with pre-heated fuel and combustion air assures reliable subzero start up
- Heating system is low pressure and atmospherically vented, so no special boiler certification is required
- Easy to use 500' hose sections utilize quick-connect "no drain" couplers that ensure quick set-up
- Powered by MQ Whisperwatt 7 KW gen set
- Both units are TÜV Certified for US and Canada to CSA and UL standards
- Listed and approved in Greenspec directory

**heat wagon** 

Rev. 6-22

342 N. 400 E. Valparaiso, IN 46383  
888-432-8924 • 219-462-7985 • [www.heatwagon.com](http://www.heatwagon.com)

# Model TD300

## Heating Unit

Burner .....Riello single stage  
 Fuel .....Diesel fuel/#1 or 2 heating oil  
 Input Capacity .....301,000 BTU/hr., 87.2 KW  
 Output Capacity .....255,850 BTU/hr., 71.5 KW  
 Fuel Consumption .....2.15 GPH (100% run time)  
 Fuel Capacity .....150 gallons  
 Max Operating Temp.....195°F  
 Thaw Capacity-3,000' of hose (at 18" spacing).....4,500 sq. ft.  
 Cure Capacity-3,000' of hose (at 24" spacing).....6,000 sq. ft.

## Heat Transfer System

Fluid .....Non-toxic propylene glycol/water mix  
 Operating Pressure .....35 PSI  
 Flow .....965 GPH  
 Pump .....1.5 HP  
 Circulation System .....5/8" dia. hose, 500' min. loop length  
 1000' max loop length, min. of 2 loops  
 Manifold System.....Detachable, 6 port - 3/4" quick disconnect

## Hose Reel

Control.....Forward/Reverse with foot activation switch  
 Capacity .....3,000' of 5/8" dia. hose

## Power

Generator .....Multiquip Model DA7000 SS  
 7KW Max power  
 6KW Continuous power  
 3600 RPM, 60 Hz AC  
 Kubota 2-cylinder engine  
 Liquid cooled  
 Hour meter

## Trailer

Specifications .....GVWR 12,000 lbs.,  
 Pintle hitch  
 7 Pin trailer connector  
 Electric brakes with break-away switch  
 Total weight package .....5,950 lbs. dry weight  
 Overall Dimensions .....188"L x 76" W x 96" H



8-light diagnostic panel



Reel holds  
3,000 feet of hose



Secured fuel tank access



Easy access to burner

# Model TD600

### Heating Unit

Burner .....	Riello single stage
Fuel .....	Diesel fuel/# 1 or 2 heating oil
Input Capacity .....	620,200 BTU/hr., 182 KW
Output Capacity .....	508,564 BTU/hr., 149 KW
Fuel Consumption .....	4.43 GPH (100% run time)
Fuel Capacity .....	250 gallons
Max Operating Temp .....	195°F
Thaw Capacity-5,000' of hose (at 18" spacing).....	7,500 sq. ft.
Cure Capacity-5,000' of hose (at 24" spacing).....	10,000 sq. ft.

## Heat Transfer System

Fluid .....	Non-toxic propylene glycol/water mix
Operating Pressure .....	35 PSI
Flow .....	965 GPH
Pump .....	1.5 HP
Circulation System .....	5/8" dia. hose, 500' min. loop length 1000' max loop length, min. of 2 loops
Manifold System .....	Detachable, 8 port - 3/4" quick disconnect

## Hose Reel

Control.....Forward/Reverse with foot activation switch  
Capacity .....5,000' of 5/8" dia. hose

## Power

Generator .....Multiquip Model DA7000 SS  
7KW Max power  
6KW Continuous power  
3600 RPM, 60 Hz AC  
Kubota 2-cylinder engine  
Liquid cooled  
Hour meter

## Trailer

Specifications .....	GVWR 12,000 lbs., Pintle hitch 7 Pin trailer connector Electric brakes with break-away switch
Total weight package .....	9,750 lbs. (with reel, water heater module, hoses, loaded with heat transfer fluid & fuel)
Overall Dimensions .....	195" L x 94" W x 96" H



## 8-light diagnostic panel



**Reel holds  
5,000 feet of hose**



**Pintle hitch with electric  
brakes and 7 pin  
trailer connector**

Thaw Devil by Heat Wagon . . . maximizing your energy with innovative features. Focused on dramatically reducing fuel consumption making it the most environmentally friendly, cost efficient system on the market today.



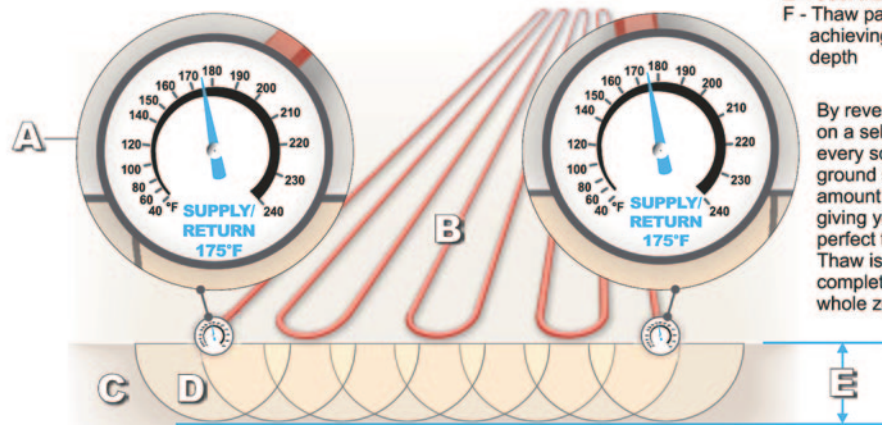
## Uniform thaw = energy savings

- The ThawDevil TD600 maximizes every ounce of the energy it uses by directing heat across the thaw grid in a systematic manner that results in a uniform thaw pattern.
- Other systems use circulation loops that move fluid in one direction only. The fluid, as heat transfer occurs, will cool down as much as 45% as it moves towards the end of the loop. This will result in an uneven thaw pattern. Therefore, while ground under the warm end continues to be heated, energy is wasted well after it has been thawed due to the colder end of the loop falling behind by as much as 75%. This forces you to thaw for several days longer... needlessly costing you extra time and fuel.
- The flow reverser system maximizes your costly energy by reversing fluid flow on a selected schedule. This means that every square foot of ground sees the same amount of energy giving you an almost perfect thaw pattern... and more importantly, saving you valuable time and reducing energy requirements.

Temperature gauge readings represent a job's average HTF temperatures on one zone (hose loop).

### ThawDevil by Heat Wagon

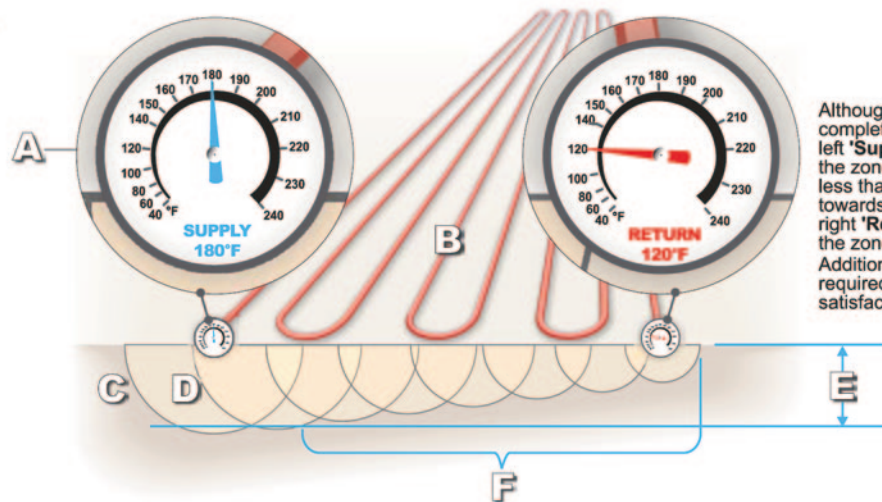
with flow reverser technology



- A - Temp. gauge readings
- B - Zone; hose loop
- C - Thaw site cross section
- D - Thaw pattern
- E - Goal thaw depth
- F - Thaw patterns not achieving the goal thaw depth

By reversing fluid flow on a selected schedule, every square foot of ground sees the same amount of energy giving you an almost perfect thaw pattern. Thaw is uniform and complete across the whole zone.

### Other Systems



Although thawing is complete on the hot, left 'Supply' side of the zone, progress is less than satisfactory towards the cooler, right 'Return' side of the zone. Additional days will be required to achieve satisfactory results.