

# TRAILER HEATERS

The Leader in Radiant Blue Flame Technology



Asphalt Reheat Systems currently offers three main varieties of our patented Manta Ray Trailer units. Originally, these were designed for re-warming pavement in the process of stamping asphalt with print designs. The current trailer heaters are so versatile they can be used wherever an even area of heat is needed; stamping and/or repair work.

Like all of the heating units in the A.R.S line these self propelled trailers use a radiant blue-flame type of heat to warm the asphalt's surface. This technology is superior to the standard infrared heaters and was developed to specifically help save on fuel costs and heating the surface faster.

#### Fuel:

- Up to 3 hours of heat time on 3 Gallons.
- Built in 74 Gallon Propane Tank
- Low BTU or Fuel Used (92,000 BTU/hr) with high heat output
- POL & quick disconnect connections with high pressure hoses
- Fuel regulated to 22 PSI
- High efficiency gas shut-off valves
- Appropriate air/fuel mixtures for maximum heat output and minimum fuel consumption.

#### Construction:

- Electronic Drive Wheel with Speed Control.
- 14 gauge stainless steel boxes
- Expanded steel screen protects blanket
- 2200° F thermal insulation blanket
- Two Deep cycle 12 volt batteries
- Built-in 12/24 volt battery charger
- Battery voltage meter
- Hour usage meter
- 6000lb Trailer Axle
- Wired trailer lights, 4 pin connection
- Heavy-duty electric winch lowers & raises heating panels independently
- Folds up for compact transportation/storage

#### Operation:

- Electric igniter for controlled and safe starts
- Fwd/Rev maneuverable drive wheel
- Spring loaded timer control
- Automatic ignition with timer activation

#### ONE STEP OPERATION

#### EFFICIENT FUEL CONSUMPTION

#### SHORT HEATING TIMES

#### LIGHT WEIGHT DESIGN

#### STAINLESS STEEL CONSTRUCTION

#### LOW MAINTENANCE

#### LOW POWER REQUIREMENTS

#### BUILT IN BATTERY CHARGER

## CONTACT INFO:

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## Manta Ray Trailer

The first product to be introduced by Asphalt Reheat Systems continues to be the finest in it's class. This unit sets the standard as far as versatility goes. The original Manta Ray includes an efficient variable speed controller and an electric drive mechanism which allows the trailer to be easily maneuvered by one person.

The trailer can come equipped with four independently run 4x4 heat panels. Two optional heaters can be run as portable units completely independent of the main trailer unit and all panels can come as split channel units. The fuel and air is introduced to the box via a low pressure system, without the need for an electric blower unit, which minimizes power usage. The Manta Ray comes equipped with a built in, fully automatic, 24 volt battery charger, so you simply plug it in at night. This unit is ideal for printing and/or repairs of both large and small projects.



Heating Area: 32-64 SQ FT  
Weight: 1850-2200 lbs. (w/o fuel)  
Dimensions: L=120" W=108" H=69" (transport mode)  
Options: Standard (Two 4x4 heating panels)  
Full (Same as standard plus two 4x4 portables)  
Heating Times: Avg. surface pliable in < 5 Min.  
Fuel Consumption: At least 1 hr per 2 gallons of LP  
Usage: All sizes of reheat repairs and areas of stamped asphalt application.



## Manta Ray EXT Trailer

This recent addition to our trailer mounted line of heaters allows for even greater productivity. Our Ext. unit can come equipped with three, independently controlled 4x6 heater panels. The two main heater panels attached to the trailer are available as Split Channel Heaters, which means they both can be divided into two controlled heat zones. The third optional heater panel can be attached along side the two main panels to provide a 6x12 working area per heat cycle.

Like the standard Manta Ray, this unit also uses a low power, low pressure fuel system. Added to the extended trailer frame is a 1200 lb. hoist that can easily transport a plate compactor into the bed of the trailer. The unit runs off a 24 Volt system and comes with a built in battery charger. The Ext. is easily movable by one person with a 5000 lb. electric drive mechanism. It's considered the ultimate unit for large printing and repair projects.



Heating Area: 12 - 72 SQ FT  
Weight: 2500 lbs. (w/o fuel)  
Dimensions: L=144" W=102" H=92" (Transport Mode)  
Options: Split Channel (Able to heat 2x6 areas), High Output, 1000 lb. Swivel Hoist  
Heating Times: Avg. surface pliable in < 5 Min.  
Fuel Consumption: At least 1 hr per 2 gallons of LP  
Usage: Larger areas of reheat repairs and sections of stamped asphalt application.



## Manta Ray EXT-HB Trailer

The latest addition to the Asphalt Reheat Systems line is the ultimate heat and repair unit. This unit comes standard with two independent 4x6 heater panels that can be individually operated and come in a Split Channel version. Like the other Manta Ray units, this also uses the low power, low pressure fuel system.

The Ext. Trailer also comes with a 1 ton Hot Box attached to the bed as well as a 1200 lb. hoist to lift the optional portable 4x4 heater atop the unit to become the Hot Box's heat source. The Ext. HB gives you the capability of maintaining or reheating any material to make true hot asphalt repairs. The trailer runs off a 24 Volt system and comes with a built-in battery charger. The unit is easily operated by one person and capable of making the highest quality repairs in the industry.



Heating Area: 12 - 72 SQ FT  
Weight: 3100 lbs. (w/o fuel or material)  
Dimensions: L=144" W=102" H=92" (Transport Mode)  
Options: Split Channel (Able to heat 2x6 areas), High Output, 1000 lb. Swivel Hoist, Portable Heater as Hot Box heat source.  
Heating Times: Avg. surface pliable in < 5 Min.  
Fuel Consumption: At least 1 hr per 2 gallons of LP  
Usage: Larger areas of reheat repairs with hot asphalt onboard and sections of stamped asphalt applications.

