

**INFRARED ASPHALT HEATER**

**HDE P400-UT**

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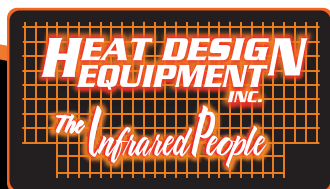
\*May show Options

## **HDE P400-UT** **INFRARED** **ASPHALT HEATER**

The **HDE P400-UT** will heat up and soften a localized area of the surface course asphalt so that it can be re-worked and compacted to eliminate the surface deterioration. The highly efficient infrared heaters can soften the asphalt to original mixing temperatures in 5 to 10 minutes, making repair of an asphalt surface effective and economical. Potholes, surface cracks, bad joints, segregation, bird baths, catch basins, and manholes can be economically repaired with minimal time expended and minor traffic re-routing throughout the year.

The **HDE P400-UT** is designed to be used as a 4' (1.2m) x 6' (1.5m) infrared patcher and it can also change into a 8' (2.4 m) x 36' (900 mm) lineal crack/seam heater. Each heater has its own C.S.A. approved gas ball valve so that it can be individually lit. The venturi design uses the pressurized gas from two 30 pound vapor withdrawal LPG cylinders and mixes it with air to create a mixture which, when ignited behind the ceramic cloth heats the surface of the cloth to high infrared emission temperatures 1400 - 1500 F. (760 - 815 C). This feature eliminates the need for any batteries or blowers. The adjustable regulator allows the operator to control the amount of heat required to heat the asphalt. If the pavement is older, lighter, or coarser, the operator can turn the pressure up to allow for more heat penetration. After 5 minutes of high heat (25 - 45 PSI) the operator can turn the pressure to low heat (15 - 25 PSI), which allows the heat to soak deeper into the surface while eliminating any scorching of the asphalt. The four 5" steel caster wheels allow for easy maneuverability on any type of paved surface by pushing or pulling with the two removable T handles.

The **HDE P400-UT** can be attached to any 3-Point hitch tractor or small skid steer tractor.



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# **INFRARED ASPHALT HEATER**

## **HDE P400-UT**

**BTU Output:** 400,000 BTU

**Regulators:** Adjustable 5 – 40 PSI for easy temperature adjustment

**Heaters:** Four - 100,000 BTU High Intensity Infrared Heaters

**Heater Dimensions – L x W:** 48" x 18"

**Fuel:** Vapor Propane

**Fuel Consumption (Vapor Propane):** 8.2 LITERS/HOUR ( 2.2 US GALLONS / HOUR )

**Gas Mixing:** Venturi Type ( No Blowers or Batteries ) with stainless steel hood to protect from wind

**Hoses:** 3/8 LPG type III C.S.A. approved hoses with reusable fittings

**Heater Surface:** Ceramic Fiber

**Frame Dimensions - L x W x H:** 80" x 75"

**Heating Area – L x W:** 72" x 52" or 36" x 102"

**Weight:** 500 LBS

**Powered By:** Two -40 pound tanks ( TANK NOT INCLUDED )

**Wheels:** Two - 4" Steel swivel caster wheels  
Two - 4" Steel lockable caster wheels

### **OPTIONS**

- 40 lb propane tank
- Hand held Infrared Temperature Sensor
- Hand-held propane torch with automatic igniter
- Rejuvenator sprayer package



### **CASTERS**

Heavy duty four position cast iron caster with grease fitting. Wheels can rotate from the front to the side of the machine to maneuver around objects. Two wheels are equipped with roll-lock brake kit.



### **HEAT ADJUSTMENT**

The heat can be easily adjusted through the 0-60 PSI adjustable regulator. Higher pressure is required for colder conditions or older pavements. Lower pressure is required when working with new asphalt or sensitive pavements.



### **PATENTED CARTRIDGE SYSTEM**

HDE'S replaceable cartridge is made up of multiple layers of filters screens and ceramic. Simple bolt and nut attachment allows for easy replacement of the heating element. Typical cartridge life is an average of 1500 hrs.



### **PROPANE TANK**

The P400 can operate on two 40 pound LPG vapor cylinders. They are secured by a 2" heavy duty nylon strap.