

ASPHALT RECLAIMER HDE 4THBRT

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HDE 4THBRT ASPHALT HOT BOX RECLAIMER

RECYCLED HOT MIX
ANYWHERE,
ANYTIME
ANY TEMPERATURE



Options

*May show options

- 12 volt cable winch compactor lift
- Automatic timer for preset operation
- Directional arrow board with strobe light
- Hydraulically operated loading doors
- Heated tool chamber
- Installed 10 lb abc fire extinguisher with bracket
- Hydraulic surged brakes
- Custom color

Standard Features

- Cold patch heating controls
- 24" X 24" Compactor platform
- 12 volt trickle charger
- 100 pound lpg quick fill tank
- Tool storage rack
- Hour/battery meter
- Led lighting

**HEAT DESIGN
EQUIPMENT
INC.**
The Infrared People

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The *HDE Asphalt Reclaimer* is capable of both maintaining the temperature of virgin asphalt and reheating cold material to workable temperature. The HDE Asphalt Reclaimer can be used 365 days a year whether it is using material from the local asphalt plant or recycling left-over material to create a hot patching material in the middle of the winter. Reheating left over materials eliminates the need of disposal and can drastically reduce the amount of cold patch material needed to repair problem areas. The reheating process can take 8-12 hours depending on the ambient temperatures and the amount of asphalt that is being heated. By using a digital temperature controller we are able to heat the asphalt safely until it has reached the desired temperature. The controller prevents any burning of the asphalt by turning the heaters of at a preset temperature (i.e. 300 degrees F).

The HDE reclaimer will maintain proper working temperature of the asphalt for up to 48 hours. The hopper is heated by two 25,000 BTU infrared heaters. A 24-volt digital temperature controller monitors the hopper and powers the ignition systems as it requires heat to keeps the material pliable. The automatic spark ignition has a built in safety that will shut the gas off if the flame goes out. The HDE infrared heaters allow for uniform heat without overheating the asphalt. Ventilation in the box allows the hot air to move evenly around the box. Vents inside the hopper allow hot air from the heating chamber to heat the top portion of the hopper. The dual hopper allows for better heat distribution when being used as a hot box and assists in the reclaiming of cold asphalt. The loading doors open to form a chute for easy loading of virgin hot mix at the plant of chunks of cold asphalt for reclaiming. Unloading doors lock in the up position to prevent accidental closing during the unloading. The sloped dual hopper allows easy removal of hot mix.



HEATERS- 2 - HDE 35,000 to 60,000 BTU's heater's with patented design with replaceable heater cartridges
REGULATORS- 5 - 35 PSI Adjustable Regulator to control the temperature of the heaters
Tank - Propane cylinder with quick fill valve (*OPTIONAL BULK TANK*)
2-100 Pound Propane tank holder with nylon strap for secure transportation
Reusable Propane fittings

DIMENSIONS / WEIGHT

LENGTH – 14'6" - (174) **WIDTH** – 8' - (96") **HEIGHT** – 6.7" - (79")

EMPTY WEIGHT – 3400 lbs.

GROSS WEIGHT – 10400 lbs

TEMPERATURE CONTROL

- Adjustable Digital thermostat to maintain the temperature of the asphalt
- PID controller is programmed to maintain 300° F.
- Unit will turn on when the temperature drops below 275 ° and shut off when it reaches 325 °
- Thermo-coupler Probe for accurate asphalt temperature measurement
- All Controls are secured in Hammond NEMA 4 waterproof electrical box
- LED lights to indicate operation of the heating system

STORAGE BIN

CAPACITY: 3.4 cu. yard. (4 tons)

INSULATION: Triple walled with 2" of insulation

INNER WALL – 11 ga.

OUTER WALL – 10 ga.

HOPPER – 10ga"

SHOVELING PLATFORM – Heated

PLATFORM HEIGHT – 30"

UNLOADING DOORS – Two manual operated double hung insulated door (*Width - 20" x Height 16" x 17"Depth*)

LOADING DOORS - Manually open to form 6' x 7' Chute (*optional hydraulics*)

PAINT - Sand Blasted, 2 part epoxy primed and urethane paint (*Safety Orange*)

Heat chamber is painted with 1250 ° High Temperature paint to reflect heat



SAFETY CONTROLS

- 12-volt 3-try electronic spark ignition with 100 % flame detection shut off.
- 12 Volt DEEP CELL Battery with trickle charger for automatic charging while in transport
- Combination Hour/Volt Meter
- Controlled by Selector Switch

TRAILER SPECIFICATIONS

SUSPENSION: Tandem 14000 LB low pro TorFlex

BRAKES: Electric brakes on all wheels, electric breakaway kit (*Optional Surge Brakes*)

WHEELS & TIRES: ST235 / 85 R16 LRC 8 ply tires,

LIGHTING: Transport Canada & DOT Approved Lighting, Rubber Mounted Sealed Lights LED Lights and sealed wiring and soldered connections

CHASSIS FRAME: Six-inch by two-inch by 3/16 tube frame construction & sealed weld joints

JACK: 18,000 LB drop leg jack

HITCH: Adjustable hitch with 3" Pintel eye with Gr. 70 Safety Chains with Snap Hook

CONTROLS

All controls are mounted NEMA 12 rated enclosure to ensure maximum protection against the elements.

FUEL

The heat is fuelled by one 100 pound vapor drawn LPG tank with a quick fill multi-valve. This eliminates the need to switch tanks and allows the operator to fill up at any propane depot. A 2 ton hot box reclaimer will operate for up to 3 days before requiring a re-fill.

TRAILER SUSPENSION

All HDE trailers are equipped with **Dexter TORFLEX®** Rubber Torsion Axles

UNLOADING DOORS

The double hopper allows for more efficient heat distribution and easy unloading

