

TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT)

4 TON TRAILER MOUNTED HOT BOX AND ASPHALT RECYLER
SPECIFICATIONS

REV. 2.22

ACCEPTABLE BRANDS: FALCON; STEPP; or EQUAL

These specifications describe an asphalt recycler and hot box capable of: recycling asphalt chunks and millings; transporting and keeping it hot all day; holding hot mix asphalt overnight; heating and re-heating cold patch asphalt.

ALL SPECIFICATIONS ARE CONSIDERED MINIMUM UNLESS OTHERWISE NOTED.

ALL MANUFACTURES STANDARD EQUIPMENT SHALL BE INCLUDED UNLESS SUPERCEDED BY SPECIFICIED OPTIONS.

1. STORAGE BIN / HOPPER

- A. 4-Ton Capacity
- B. Hopper shall be a tilting / dumping style
- C. The hoist system shall be electric over hydraulic
- D. Triple Wall Construction
- E. Two (2) inch high temperature insulation between walls
- F. All welded construction
- G. Insulated loading and unloading doors that include hydraulic lift assist or fully hydraulic opening.

2. HEATING SYSTEM

- A. Fuel type: Diesel
- B. Temperature Control: Automatic

- C. Power Supply: 12-volt battery w/marine grade charger or 750 MV power pile generator attached to unit. The system shall include a low voltage warning system.
- D. The overnight warming system shall be an 110V.
- E. Recycler: Two (2) burners, with 24-hour timer that is installed on the hopper that can be programmed to start the hopper burners at a preset time.

3. TRAILER

- A. Two 7,000 lb. capacity axles
- B. Brakes – Electric on all wheels, w/electric breakaway kit
- C. Jack – 5,000 lb. drop leg jack
- D. Lighting – Turn signals, stop lights, park lights, all DOT approved
- E. Side reflectors or clearance lights, DOT approved
- F. Hitch – Adjustable hitch with 3” pintle eye with Grade 70 safety chains w/snap hook
- G. Paint – Manufacturer’s standard
- H. Chassis Frame – Six-inch by two-inch by 3/16 tube frame construction & sealed weld joints.

4. ADDITIONAL FEATURES

- A. Remote control dual hydraulic dumping capability or scissor hoist
- B. 30-gallon emulsion heated tack tank with spray system including hose reel
- C. Solvent sprayer system for cleaning purposes
- D. 4 Position Tool Holder

E. Basket for mounting plate or roller (ID 24" X 24")

F. Hour gauge for primary burner

G. Temperature gauge

5. ADDITIONAL REQUIREMENTS

A. Equipment shall be fully assembled and ready for operation upon delivery

B. Unit must comply with all Federal DOT, State DOT and OSHA requirements.

C. Bidder shall be a franchised stocking dealer within the State of Tennessee which is capable of providing parts and service.