

# SPHD STEPP PREMIX HEATERS

Dump Discharge



Three sizes available 1.5(2ton), 2.0 (2.75ton), and 3.0 (4 ton) cubic yard.  
Diesel Fired Oil Jacketed with Truck Scissor Hoist Hydraulic Dump.  
Heated Tack Tanks with Pumping Systems Available.



Specifications



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Call 651.674.4491

The Stepp Trailer Mounted SPHD is the  
perfect blend of  
PERFORMANCE, DURABILITY,  
and VERSATILITY  
for your pothole patching needs and budget!

Quick Spec	SPHD 1.5	SPHD 2.0	SPHD 3.0
CAPACITY	1.5 Cubic yd./ 2 Ton	2.0 Cubic yd./ 3 Ton	3.0 Cubic yd./ 4 Ton
AXLE	Tandem 6,000 lb.	Tandem 6,000 lb. ea.	Tandem 7,000 lb. ea.
TIRES	(4) 225/75R15	(4) 225/75R15	(4) ST235/80R16
GVWR	12,000 lbs.	12,000 lbs.	14,000 lbs.
EMPTY WEIGHT (avg.)	3,000 lbs.	3,500 lbs.	3,900 lbs.
Dimensions (avg.)	208"L 90"W 68"H	208"L 90"W 76"H	208"L 90"W 90"H
Diesel Burner BTU	120,000 BTU	120,000 BTU	120,000 BTU

# Stepp's Hot Pack Dump Trailer

For heating, hauling, and storage of bituminous mix for road repair

## Hopper

Capacity shall be 1.5 (2 ton), 2.0 (3 ton) or 3.0 cubic yards (4 ton) of asphalt mix. Hopper floor shall be flat when the hoist is down to achieve the lowest overall hopper height for driver visibility of operators at the rear of the unit. Hopper to be oil jacketed design with a 5" internal u shaped flue, submerged in the bottom of oil jacket. Oil jacket shall heat the bottom and half way up the sides. The oil jacket shall be constructed of 10 gauge steel and have an internal fill with a cold seal expansion tank. The oil jacket will have a 1" bottom drain and a 1" cold fill plug. The oil jacket will be surrounded by 2" of 1½# density high temperature fiberglass insulation covered with a 12 gauge insulation jacket. The hopper will be covered with two ( ) 16 gauge steel insulated hoods, insulated with poly urethane closed cell spray foam insulation opening to form a funnel.

## Trailer

To be A-frame style constructed of 2" x 6" x 3/16" high strength rectangular steel tubing reinforced at all stress points. The 1.5 cy hopper shall be equipped with 6000# leaf spring tandem axle, unit shall have a 235-85 R15 tires E tires, heavy duty 12 gauge steel fenders, pintle hitch, adjustable from 21" to 34", and adjustable screw jack (one piece bolt on heavy duty shackle).



## Electric Brakes

All axles to be equipped with 12 volt electric brakes wired in heavy trailer cord or protective loom with 6 prong connector. A break away kit is also included. Trailer brakes lock in case of accidental brake away from towing vehicle. Brakes are applied automatically and are wired to a 12 volt Group 24 battery. Hydraulic surge brakes available as an option.

## Paint

Unit shall be primed with primer and painted with a polyurethane paint.

## Manuals

Two (2) sets of operator's manuals and parts books per unit.

## Warranty

One (1) year on parts and workmanship. Component parts manufacturers warranty prevails. All components as specified or equal.

## Check out These Design Benefits!

The Stepp Hot Pack Dump Trailer is the Perfect blend of performance, durability and versatility for your pot-hole needs and budget.



### Top Door Lift Assist

Takes 60% of the weight of the doors off the operator and gives “slam” protection. Swing Type handles that lock into open and close positions provided.



### Electric Overnight Heaters

are available to reduce start up time and maintain heated material at temperature. Provides low density heat that will not scorch material.



### Compactor Plate Carrier

To have electric raise and lower for operator convenience and shall have a spring lock and fold up out of the way when not in use.



### Automatic Temperature Controls

Monitor temperature of material in hopper and tack tank and automatically control LP or Diesel burner system. Automatic control system includes spark ignition system with battery, battery box and charging circuit.



### Water Tank

15 gallon plastic water tank for use with the Compact Plate Carrier Option.



### Hose Reel

Hose reels available for tack hoses, wash down hose, and hand torch hose



### Light Option Include

Combination stop, turn, and clearance lights with license plate bracket wired in a protective loom with 4 prong connector.

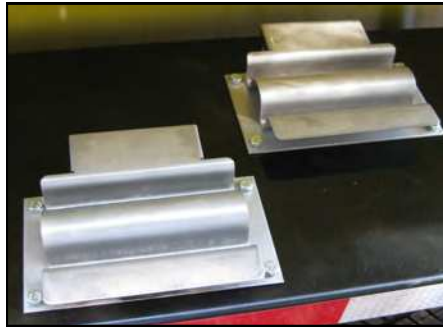
Lighting options are as follows:

- Standard 2 light system or 2 light LED system
- 4 Light System: 2 separate light for stop and turn signal, located on the rear on each side of the unit
- 4 Light LED System: 2 separate LED lights for stop and turn signal, located on the rear on each side of the unit.



**Heated Tack Tank**

Unit will be equipped with a heated tack tank with a capacity of 40 gallons. To have a 6" fill cap. Diesel bottom fired configuration. Will have a 2" molasses gate valve for draining the tank. Heated tack tank to be insulated with 2" of 1 1/2# hi-temperature fiberglass insulation with 16 gauge outside cover.



**Stainless Steel Tool Holders**

Spring loaded clamps for holding rakes, lutes, brooms and shovels. Mounted per customer specification, most commonly on fenders or front platform.



**Wash-down System**

Consists of a 12volt pump with hand spray wand and 15' hose to wash tools and interior of hopper.



**Shovel Cleaning Compartment**

Shall be constructed of 12 gauge material with splash guard compartments, drain plug, and rain tight cover. Shall hold (4) four shovels.



**Diesel Burner Enclosure**

Lockable enclosure to protect burner from outside elements also vandal proof.



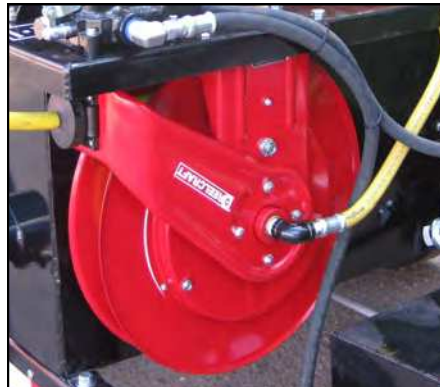
**Tool Box**

Constructed of 12 gauge steel with cover and locking hasp 12" x 12" x 36".



**Strobe Light**

12 volt powered. Controlled from operators control panel. Strobe mounted on top rear of the unit.



**Hose Reel**

Hose reels available for tack hoses, wash down hose, and hand torch hose



**Hand Torch**

Hand held LP hand torch with 15' hose and 20# LP bottle with rack. For heating hand tools and drying potholes.



**Fire Extinguisher**  
10 LB. ABC dry chemical fire extinguisher



**SMV-Sign**  
DOT Approved Slow Moving Vehicle Sign.



**Spare Tire**  
Spare tire with holder mounted onto frame of unit.



**Front Platform With Railing and Steps**  
Shall add easy hopper access. To be constructed of grip strut grating. Shall be bolted to frame.



**Battery Charger**  
Marine grade charger to maintain battery.



**Top Loading Doors**  
shall be covered with a minimum of 16 gauge steel. Shall utilize gas assist shocks with lock downs. Loading doors shall be insulated with 3" closed cell polyurethane foam. Doors in the open position shall form a funnel into heating hopper. Shall be of tapered design with water lip to allow water shedding. Shall have minimal clearance between top doors and hopper to decrease heat loss. Each door shall be of a tapered design, 5 5/16" down to 2 3/16".



**Discharge Doors**  
shall also include gas assist opening system for easy open/close and provide infinite positioning. Shall not require latches or hooks to hold open. Design shall have sloped inner walls to move mix forward to allow easy shoveling. Two discharge ports open to shovel platform constructed of 1/4" 304 stainless steel. Dual Doors with gas assist opening for infinite positions. Door size to be 13" high by 18" wide each, for a total 13" high by 36" wide.

Options! Options! Options!



**Arrow Board**

12 volt powered directional arrow. Controlled from operators control box. Mounted on rear of unit. Optional location available on request.

**Hydraulic Surge Brakes**

Axle to be equipped with hydraulic brakes and surge actuator with brake away protection. (Not Pictured)

**Diesel Engine** Kubota® water cooled diesel engine in lieu electric operated hoist. (Not Pictured)

**Gasoline Engine** Honda 13 Hp Electric Start With 18 amp charging circuit to operate the hoist or pumping system

**Pumping System with Fluid Drive**

To include a 12 hp, 2 Cylinder, liquid cooled, Kubota diesel engine with electric start. A 12 volt battery shall be included and located in a lockable battery box. The engine shall power a hydraulic pump. The hydraulic pump shall power a hydraulic motor which will operate a Viking HL-32 material pump. Pump shall be capable of forward and reverse positions. To include 15' of yellow ortec hose and 5' steel spray wand with an on/off valve. A 3-way valve shall be installed to allow for flushing of pump and plumbing. (Not Pictured)

