

# Cold In-place Recycling (CIR) Cargo & Spread Rate Control System Trailer



## Bearcat's Industry Leading Firsts \_\_\_\_\_

Full Cab Control

1-Foot Spray control

Internal Poppet Spray Valves

Computer Rate Control

Limit Switches on Wings

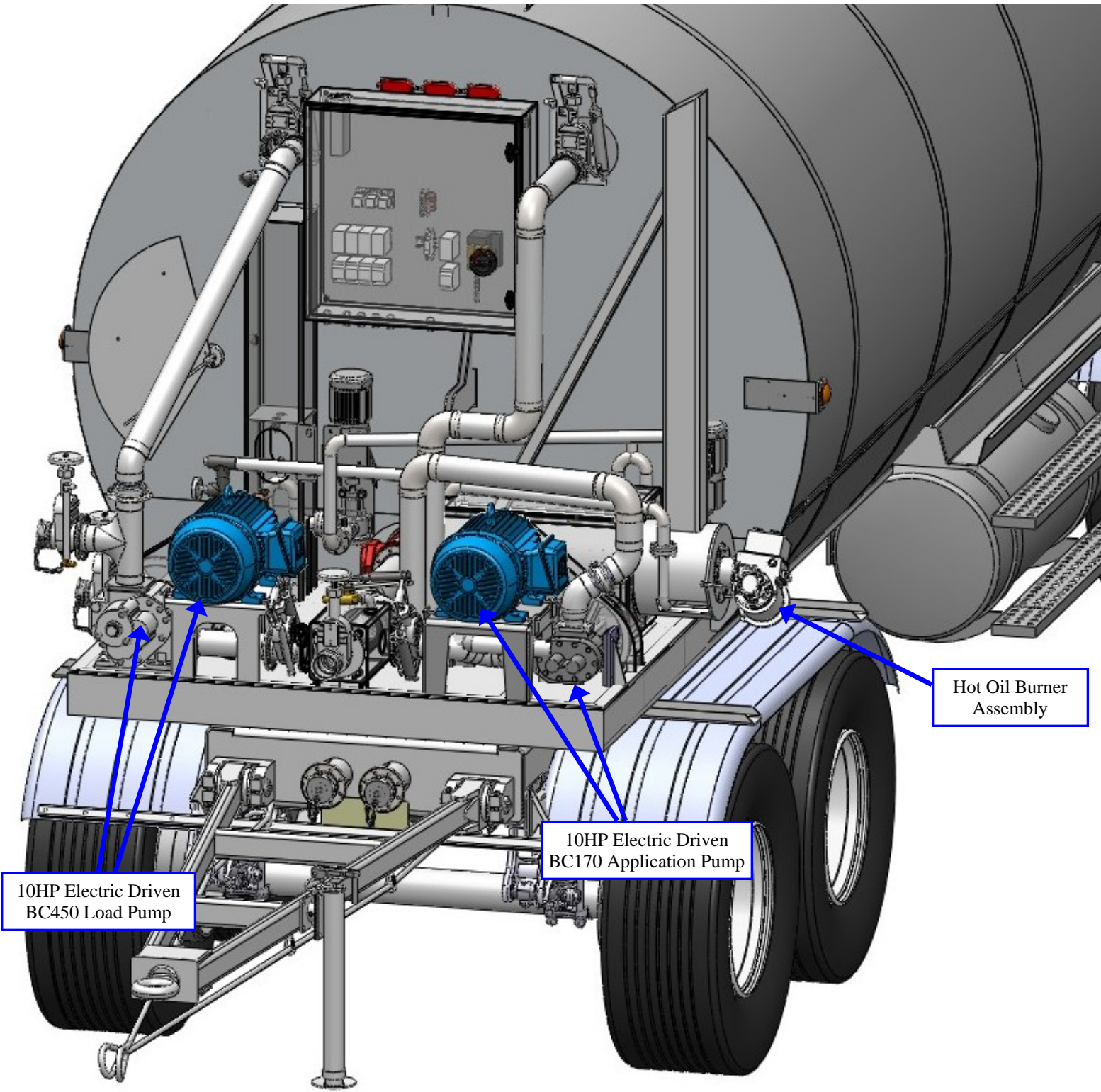
Double Fold Wings

All Electric Tack Truck

Self Contained Crumb Rubber Trailer

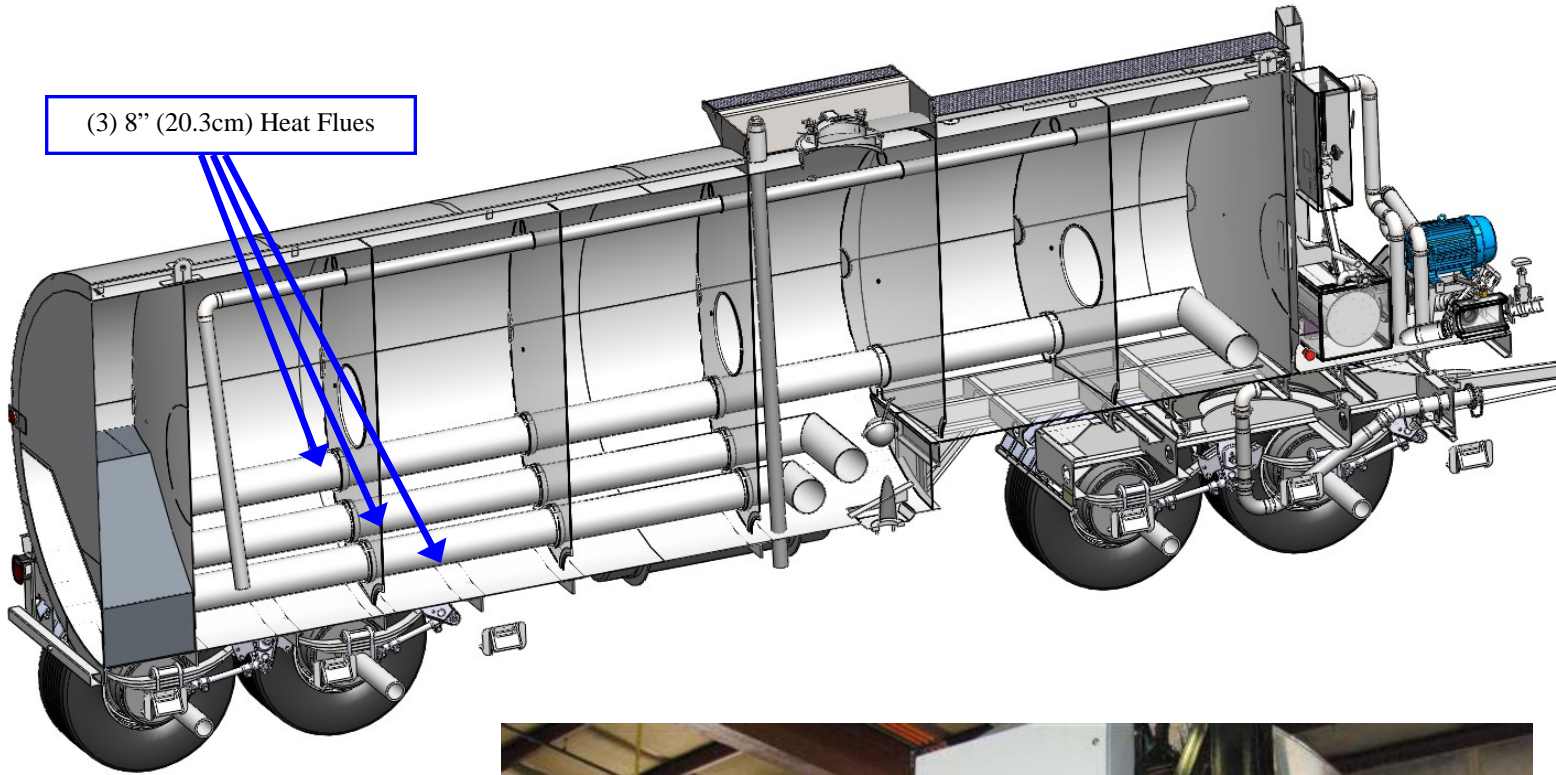
\_\_\_\_\_ *BearCat Mfg. "Innovation by Design"*

# Cold In-place Recycling (CIR) 6800 Gallon Cargo & Spread Rate Control Trailer





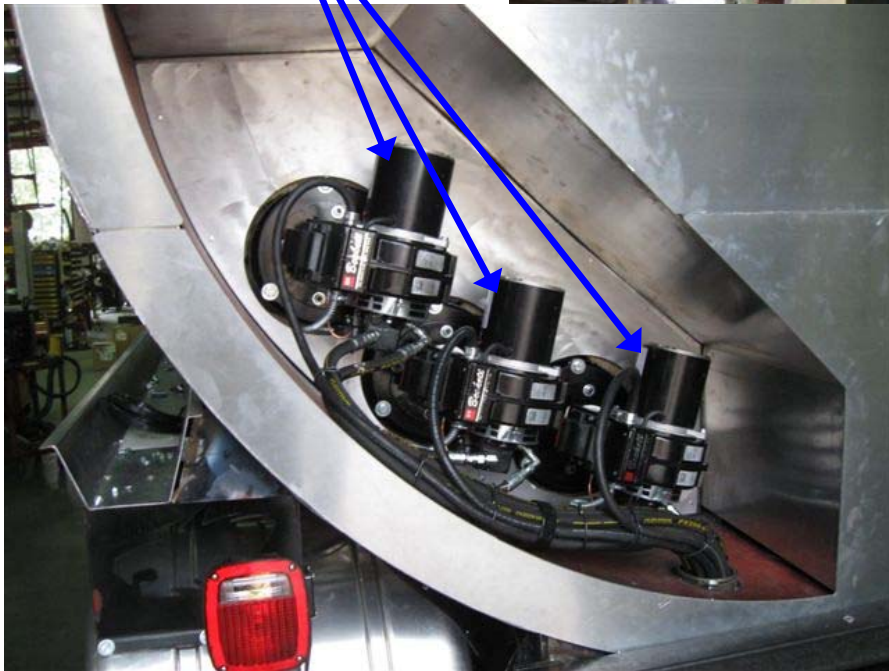
# Cold In-place Recycling (CIR) 6800 Gallon Cargo & Spread Rate Control Trailer



(3) 8" (20.3cm) Heat Flues



(3) 453,250 BTU burners with full length heat flues.



97,000 BTU Heat Transfer Oil Burner Assembly.

The Heat Transfer Oil is used to heat trace all asphalt plumbing, pumps and valves.

## **Cold In-place Recycling (CIR) 6800 Gallon Cargo & Spread Rate Control Trailer**

- 6,800 Gallon (25,740 Liter) Tank
- 4" (10.1cm) tank insulation.
- Product pump drive, 10hp 3phase TEFC motor cogged belt drive.
- Product pump 0.170G/rev (0.644 L/rev) 125GPM (473 LPM) max.
- Large 3" (7.62 cm) intake plumbing.
- Large 3" (7.62 cm) heated tank valve.
- Large capacity suction strainer.
- Large 3" (7.62 cm) side tank heated load valve.
- Stainless steel feed hoses to CIR plant.
- Full circulating system.
- Load pump drive, 10hp 3phase TEFC motor cogged belt drive.
- Load pump 0.450G/rev (1.7 L/rev) 350GPM (1325 LPM) max.
- Large 3" (7.62 cm) load plumbing.
- HOT oil system for pump case, plumbing, spraybar and valves. This system is designed to run hot oil through the plumbing and spraybar on the CIR plant.
- Maximum operating temperature, 450°F (232° C) w/stainless hoses.
- BearCat's pneumatic heated slide selector valves.
- Break away wings to prevent damage if an object is stuck while spreading product.
- The same BearCat CRC control system you have come to trust on the RT500 is used on the Cargo/Spread Rate Control Trailers.
- Three 8" (20.5 cm) u-type heat tubes.
- Three 453,250,000BTU diesel burners.
- Optional two 403,400BTU propane burners.
- (4) 25,000lb axles.
- Anti-lock brakes on the rear two axles.
- Dual ball-bearing turntable front dolly system.

The Cargo Trailer is designed to work with a CRC/Control System used on the CIR plant

- Input commands are the tons/hr from the belt scale, desired percent of asphalt/tons of RAP.
- The CRC controls the asphalt pump speed and closes the control loop by reading the actual asphalt flow from the fixed displacement gear type flow meter, or Optional: mass flow meter.
- The CRC will open and close the necessary spray-valves 1 thru 10 on the pug-mill spraybar.
- With the Optional: foam system the CRC will also control the correct amount of the foam water to be injected in the foaming chamber.
- Spraybar has a foam test valve (box) that can be used while circulating or spraying into the pug-mill.

**NOTE:** This trailer is designed to be transported empty then be loaded and used on the job site.