

HRB SERIES

45 Ton Stationary Heat Recovery/Condensing Bin Specifications

Features

- Recovers lost heat from steam and exhaust gases.
 - Accurate blending.
 - High tph capacity.
 - Multiple bin configuration.
 - Compatible with any drum mix or batch plant.
 - Increases productivity.
 - Reduces fuel consumption.
 - Reduces emissions and exhaust volume.
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RAP Bin

1 bin, 41 mt/45 T RAP aggregate capacity.

Type: 3048 mm/10' x 6096 mm/20' bin top opening with extended wing wall assembly. The stationary EMS RAP bin is a modular heat recovery/condensing RAP aggregate feeding system. Each RAP bin contains 473 square meters/5100 square feet of heat recovery/condensing area that provides up to 5.1 MM BTU/HR of heat recovery to RAP. Each RAP bin is capable of increasing typical hot mix plant productivity by up to 18 mtph/20 TPH. The bin gas side pressure drop is 3" WG @ 15,000 ACFM. All gas side surfaces are coated to prevent corrosion. Electrical vibration and grizzly scalper standard. Each RAP bin contains 40 condenser panels.

Virgin Bin

1 bin, 41 mt/45 T aggregate capacity.

Type: 3048 mm/10' x 6096 mm/20' bin top opening with extended wing wall assembly. The stationary EMS bin is a modular heat recovery/condensing aggregate feeding system. Each virgin bin contains 687 square meters/7400 square feet of heat recovery/condensing area that provides up to 7.4 MM BTU/HR of heat recovery to aggregates. Each bin is capable of increasing typical hot mix plant productivity by up to 22,6 mtph/25 TPH. The bin gas side pressure drop is 2" WG @ 15,000 ACFM. All gas side surfaces are coated to prevent corrosion. Electrical vibration and grizzly scalper standard. Each virgin bin contains 58 condenser panels.

Roller/Feeders

Type: EMS heat recovery/condensing bin is equipped with a pair of timed 356 mm/14" diameter x 6096 mm/20' long variable speed roller feeders that allow the bin to mass flow. Bin drive is equipped with 3,7 kW/5 hp variable frequency AC motor drive with 20:1 speed variations. The roller feeders accurately meter any desired quantity of material directly onto the gathering conveyor. Individual and total material flow rate setting controlled at operator station by remote control. A manually adjustable throat located between the roller feeders provides adjustment for any aggregate size. Includes gear reducer, sprockets, chain drive, idler sprocket, drive motor belt take-up and guards.

Gathering Conveyor and Drive

Type: 762 mm/30" wide gathering conveyor with vertical curve head section for feeding separate incline conveyor. Conveyor with vertical curve head section can accommodate a scalping screen mounted over incline conveyor. 11 kW/15 hp conveyor drive for vertical curve head section. 7,5 kW/10 hp for flat end head section. Shaft mounted reducer with lagged head pulley. 35° troughing idlers.

Electrical

Rubber covered wiring to control station. Starters and breakers supplied with motor control center in NEMA enclosure.

Controls

Console mounted total and proportional controls.

Optional Equipment

- DC motors/SCR controls with tachometer.
- Various drives available depending upon retrofit system.

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Dimensional Information

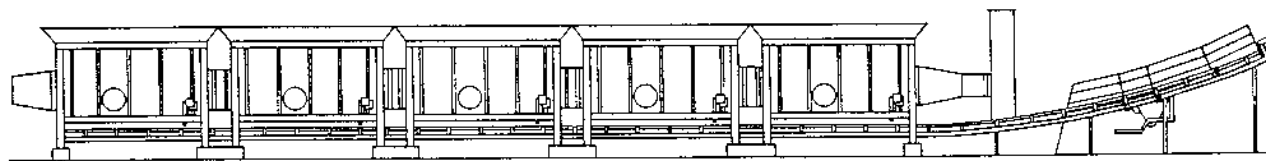
Based on individual bin dimensions.

Shipping Dimensions:

Width	3321 mm/10' 10 3/4"
Height	3239 mm/10' 7 1/2"
Length	6610 mm/21' 8 1/4"
Weight	17 690 kg/39,000 lb

Operating Dimensions:

Capacity	41 mt/45 T
Width	4166 mm /13' 8"
Height	4788 mm/15' 8 1/2"
Bin Length	6969 mm/22' 10 3/8"
Discharge Conveyor Length	13,71 m/45'
Discharge Drop Point Height	3962 mm/13'



Material and specifications subject to change without notice.
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