



Primary Hopper Belt Feeder:

The primary hopper has a 15 cubic yard capacity with a top opening of 14' x 7'-0". The hopper is constructed of 1/4" thick A-36 steel.

The primary belt feeder is positioned underneath the primary feed hopper. The belt feeder is powered with a 15 hp variable speed electric drive. The feeder has a belt-width of 36" and is 14'-8" long.

Feed Conveyor:

The feed conveyor transfers material from the feed hoppers to the pugmill mixing box. It has a heavy duty channel-type frame, and is powered with a 15 hp electric head end drive. The conveyor is 36'-0" long and has a belt width of 36".

Pugmill:

The twin shaft pugmill consists of an enclosed 4' x 8' mixing box with AR steel liners. Enclosed in the mixing box are two heavy-duty 6" XH counter rotating shafts. These shafts include 48 double tip Ni-hard paddles in an overlapping spiral arrangement. Paddle tips have an adjustable wall clearance range of 3/4" to 2".

Power is transferred to the rotating shafts from a 100 hp electric motor through a v-belt drive

The reducer drives a single shaft which in turn powers the other shaft through a set of timing gears that rotate in an oil bath.

It includes an adjustable dam gate, a receiving hood with spray bar, inspection doors, and a drop out bottom to provide access for easy clean out.

Chassis:

The pugmill plant's portable chassis consists of a heavy duty channel-style frame with a gooseneck and kingpin located at the feed end of the plant. The chassis utilizes a walking beam-type tandem axle with dual 11.0 x 22.5 tires (8 total) located at the discharge end. The plant includes manual landing gear.

Secondary Hopper: (Optional)

The secondary hopper has an 8 cubic yard capacity with a 14' x 7'-0" top opening. The hopper is constructed of 1/4" thick A-36 steel.

The secondary belt feeder is positioned underneath the secondary feed hopper. The belt feeder is powered with a 10 hp variable speed electric drive. The feeder has a belt-width of 36" and is 12'-9" long.

Water System: (Optional)

The water system includes a 150 gpm pump with 3 hp variable speed drive, flowmeter, and a valve. The system can be configured to be adjusted manually or automatically from the control system.

Asphalt System: (Optional)

The asphalt system includes a 90 gpm pump (powered by a 10 hp motor), a flowmeter, and a valve. The system can be configured per customer request to be adjusted manually or to be automatically proportioned.

Walkway:

The 24" wide walkway gives the operator access to the pugmill mixing chamber. It consists of an operator's platform and a stairway with handrail to provide access to the platform from the ground.

Automatic Proportioning:

Automatic Proportioning is a feature that utilizes feedback from a belt scale to automatically adjust the amount of additives (e.g. water, asphalt, fly ash) that will be combined with varying amounts of material being fed to the pugmill mixing box.

Controls:

Controls for the pugmill plant are located on a ground accessible panel mounted to the side of the plant. Operators have start/stop capability for the plant as well as the ability to vary both the speed of the belt feeders and the rate at which any additives will be blended into the feed material.

Physical / Operating Characteristics:

Overall Length62'-2"[18.9]m
Travel Length; kingpin to tail:60'-6"[18.4]m
Travel Height..... 13'-6"[4.1]m
Travel Width 10'-9"[3.3]m
Feed Height..... 13'-6"[4.1]m
Discharge Height..... 7'-8"[2.3]m
Travel Weight (kingpin) 19,200 lbs
Travel Weight (axle) 25,200 lbs

Mixing Capacities (100 pcf material):

Dry Material Throughput up to 500 TPH
Water System (Optional)..... 150 GPM
Asphalt System (Optional) 90 GPM

Options:

- Belt Scale
- Dry Solids Flowmeter
- Hydraulic Dribble Gate with Power Pack
- Water System
- Asphalt System
- Discharge Hood



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