

Pugmill Plant

Portable Plant



Primary Hopper Belt Feeder

- Constructed of 1/4" [6.35mm] thick A-36 steel
- Variable speed electric head end drive

Feed Conveyor

- Heavy-duty channel-type frame
- Electric head end drive

Pugmill

- Twin shaft design mixing box with AR steel liners
- Electric gear reducer v-belt drive
- Two heavy-duty 6" [152 mm] XHD counter rotating shafts interlocked with timed gears in an oil bath
- Double tip Ni-hard paddles in an overlapping spiral arrangement; adjustable paddle tip wall clearance range of 3/4" [19 mm] to 2" [50 mm].
- Adjustable dam gate, receiving hood with spray bar, inspection doors, and drop out bottom to provide access for easy clean out

Chassis

- Heavy-duty channel-style frame with gooseneck and kingpin
- Walking beam-type tandem axle with dual 11.0" x 22.5" tires (8 total)
- Manual landing gear
- 24" [610mm] wide walkway with operator's platform and stairway with handrail to provide access from grade

Automatic Proportioning

- Utilizes feedback from a belt scale to automatically adjust the amount of additives (e.g. water, asphalt, fly ash) that will be combined with feed material in the pugmill mixing box

Water System: (Optional)

- 180 gpm [681 l/min] pump with a 3hp [2.2 kW] variable speed electric drive
- Flowmeter and valve

Asphalt System: (Optional)

- 90 gpm [340 l/min] pump with a 10hp [7.5 kW] variable speed electric motor
- Flowmeter and valve

Secondary Hopper: (Optional)

- Constructed of 1/4" [6.35mm] thick A-36 steel
- Variable speed electric drive

Touchscreen and Controls

- Located on ground accessible panel mounted to the side of the plant
- Real-time trending and diagnostics
- Recipe memory
- Start/stop capability and speed control (where applicable) for plant motors

Options

- Belt scale
- Dry solids flowmeter
- Diesel genset (95 KW) **
- Hydraulic dribble gate with power pack
- Water system
- Asphalt system
- Discharge hood
- Hydraulic leveling jacks
- 4' x 8' [1.2 x 2.3m] pugmill box upgrade **

Physical and Operating Characteristics

| | Model 52 | | Model 52S | |
|--------------------------------|---------------------|-------------------|--------------------|--------------------|
| | Std. | Metric | Std. | Metric |
| Primary Hopper Capacity | 9 yd ³ | 6.9m ³ | 15 yd ³ | 11.5m ³ |
| Primary Hopper Width (A) | 6' | 1.8m | 7' | 2.1m |
| Primary Hopper Length (B) | 12' | 3.7m | 14' | 4.3m |
| Primary Feeder Width | 30" | 762mm | 36" | 914mm |
| Primary Feeder Drive | 7.5 HP | 5.6 kW | 15 HP | 11.2 kW |
| Secondary Hopper Capacity | 6.5 yd ³ | 5m ³ | 8 yd ³ | 6.1m ³ |
| Secondary Hopper Width (A) | 6' | 1.8m | 7' | 2.1m |
| Secondary Hopper Length (B) | 12' | 3.7m | 14' | 4.3m |
| Secondary Feeder Width | 30" | 762mm | 36" | 914mm |
| Secondary Feeder Drive | 3 HP | 2.2 kW | 10 HP | 7.5 kW |
| Feed Conveyor Width | 30" | 762mm | 36" | 914mm |
| Feed Conveyor Length | 29' | 8.8m | 36' | 11m |
| Feed Conveyor Drive | 10hp | 7.5 kW | 15hp | 11.2 kW |
| Overall Plant Length (C) | 51' 3" | 15.6m | 62' 2" | 4.3m |
| Overall Plant Travel Width (D) | 10' 9" | 3.3m | 10' 9" | 3.3m |
| Feed Height/Travel Height (E) | 13' 6" | 4.1 m | 13' 6" | 4.1m |

| | Model 52 | | Model 52S | |
|---------------------------------------------------------|----------|------------|-----------|------------|
| | Std. | Metric | Std. | Metric |
| Operating Height; with dry solids flow meter option (F) | 16' 4" | 5.0m | 15' 11" | 4.9m |
| Discharge Height (G) | 5' 7" | 1.7m | 5' 7" | 1.7m |
| Travel Length; kingpin to rear (H) | 48'-7" | 14.8m | 60' 6" | 18.4m |
| Standard Pugmill Mixing Chamber Size | 4' x 6' | 1.2 x 1.8m | 4' x 8' | 1.2 x 2.4m |
| Pugmill Drive | 60hp | 44.7 kW | 100hp | 75 kW |
| Number of Paddle Tips in Mixing Chamber | 40 | 40 | 48 | 48 |
| Travel Weight (kingpin) | 10,400lb | 4,720kg | 19,200lb | 8,700kg |
| Travel Weight (axle) | 26,700lb | 12,110kg | 25,200lb | 11,430kg |
| Maximum Mixing Capacities (100 pcf material)* | 300 TPH | 273 MTPH | 500 TPH | 455 MTPH |

*Throughput capacity is application specific, consult factory for project specific production estimates

