

Pugmill Plants

Portable Plants



Primary Hopper Belt Feeder:

- Constructed of 1/4" [6.35 mm] 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" [610 mm] 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 3 hp [2.2 kW] variable speed electric drive
- Flowmeter and valve

Asphalt System: (Optional)

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

Secondary Hopper: (Optional)

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

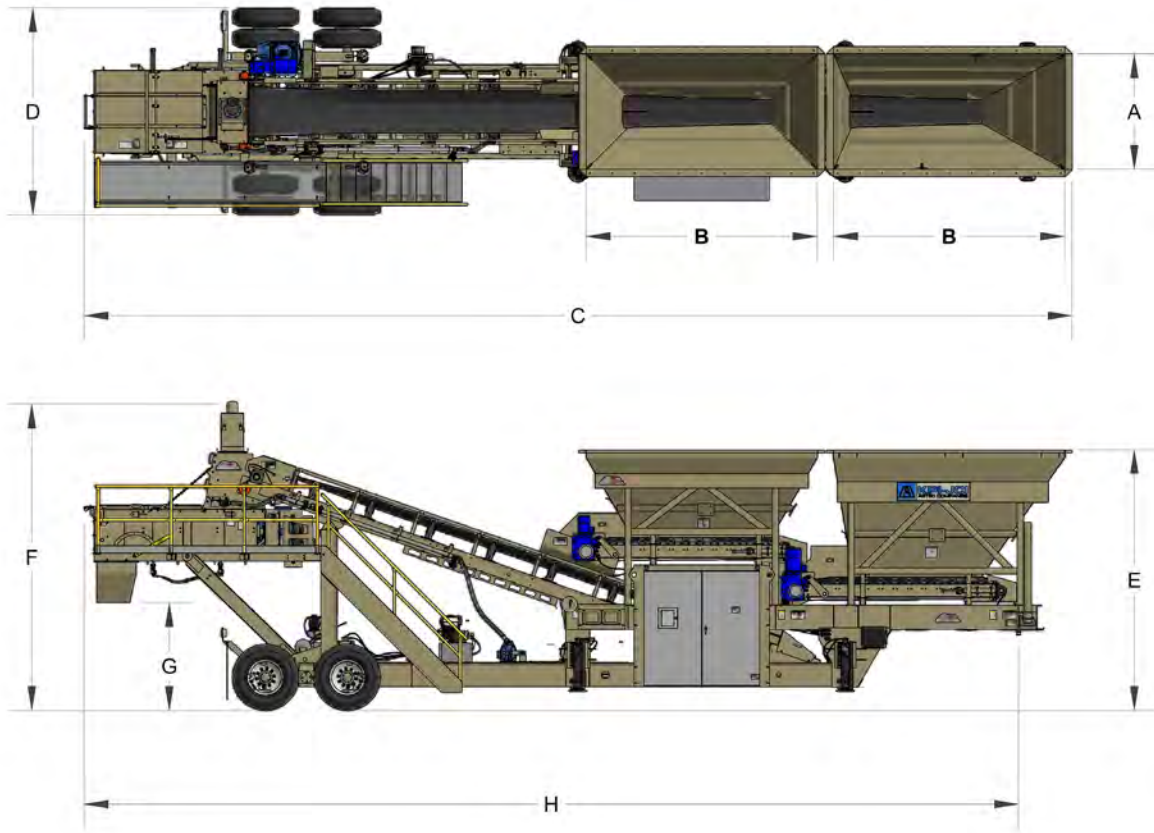
Touchscreen and Controls

- 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 (125 KW)**
- Hydraulic Dribble Gate with Power Pack
- Water System
- Asphalt System
- Discharge Hood
- Hydraulic Leveling Jacks
- 4 x 8 Pugmill Box Upgrade**

**Options apply to Model 52 Only



	Model 52		Model 52S	
	Std.	Metric	Std.	Metric
Primary Hopper Capacity	9 yd ³	6.9 m ³	15 yd ³	11.5 m ³
Primary Hopper Width (A)	6'-0"	1.8 m	7'-0"	2.1 m
Primary Hopper Length (B)	12'-0"	3.7 m	14'-0"	4.3 m
Primary Feeder Width	30"	762 mm	36"	914 mm
Primary Feeder Drive	7.5 HP	5.6 kW	15 HP	11.2 kW
Secondary Hopper Capacity	6.5 yd ³	5 m ³	8 yd ³	6.1 m ³
Secondary Hopper Width (A)	6'-0"	1.8 m	7'-0"	2.1 m
Secondary Hopper Length (B)	12'-0"	3.7 m	14'-0"	4.3 m
Secondary Feeder Width	30"	762 mm	36"	914 mm
Secondary Feeder Drive	3 HP	2.2 kW	10 HP	7.5 kW
Feed Conveyor Width	30"	762 mm	36"	914 mm
Feed Conveyor Length	29'-0"	8.8 m	36'-0"	11 m
Feed Conveyor Drive	10 HP	7.5 kW	15 HP	11.2 kW
Overall Plant Length (C)	51'-3"	15.6 m	62'-2"	18.9 m
Overall Plant Travel Width (D)	10'-9"	3.3 m	10'-9"	3.3 m
Feed Height/Travel Height (E)	13'-6"	4.1 m	13'-6"	4.1 m

	Model 52		Model 52S	
	Std.	Metric	Std.	Metric
Operating Height; with dry solids flow meter option (F)	16'-4"	5.0 m	15'-11"	4.9 m
Discharge Height (G)	5'-7"	1.7 m	5'-7"	1.7 m
Travel Length; kingpin to rear (H)	48'-7"	14.8 m	60'-6"	18.4 m
Standard Pugmill Mixing Chamber Size	4' x 6'	1.2 m x 1.8m	4' x 8'	1.2 m x 2.4 m
Pugmill Drive	60 HP	44.7 kW	100 HP	75 kW
Number of Paddle Tips in Mixing Chamber	40	40	48	48
Travel Weight (kingpin)	10,400 lbs	4720 kg	19,200 lbs	8,700 kg
Travel Weight (axle)	26,700 lbs	12,110 kg	25,200 lbs	11,430 kg
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*



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NOTE: CONSULT FACTORY FOR EXACT DIMENSIONS, specifications are subject to change without notice.

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