

PROSIZER® 3100

Portable Crushing and Screening Plant



Delivery Conveyor

- One (1) 43' x 36" conveyor hydraulic drive (350 FPM)
- 12" self cleaning wing pulley
- Belting is 300 PIW, 3/16 x 1/16 cover - 1/2" cleat

Side Conveyor

- One (1) 33' x 24" conveyor
- Hydraulic variable speed (0-350 FPM)
- 10" self cleaning pulley
- Belting is 220 PIW, 1/8 x 1/16 cover

Fines Conveyor

- One (1) 23' x 42" conveyor hydraulic drive (350 FPM)
- Operates at: 8'-4" or 13' - 7"
- Belting is 220 PIW, 1/8 x 1/16 cover

Crusher Return Conveyor

- One (1) 24' x 24" conveyor with hydraulic drive (350 FPM)
- 10" self-cleaning wing pulley
- Belting is 330 PIW, 3/16 x 1/16 cover - 5/8" cleat

Cross Conveyor

- One (1) 5' x 18" flat conveyor with hydraulic drive (350 FPM)
- Belting is 330 PIW, 3/16" x 1/16" cover

Feeder

- 11" formed channel
- 14' x 32" belt feeder
- Hydraulic variable speed drive (0-60 FPM)
- 330 PIW belting
- 3/16 x 1/16 cover

Chassis

- 24" I-beam with king pin type hitch
- Hydraulic landing gear for leveling of plant
- Twelve (12) 11 R22.5 tires and mud flaps
- Leaf spring suspension, air brakes, rear tail lights

Power System

- 173 HP Tier IV John Deere water cooled diesel engine
- 12 volt battery
- Engine mounted hydraulic pumps to operate all plant functions
- NEMA - 4 rated instrument panel
- Emergency stop

Vibrating Screen

- One (1) 2612V double deck PEP Vari-Vibe® high frequency screen
- 6' x 12' high-frequency screen top and bottom deck
- Top and bottom deck are driven by ten (10) variable speed hydraulic vibrators (0-4200 RPM) mounted below screens for directly induced vibrating action
- Hydraulic controls for variable angle operation
- Top and bottom discharge chutes
- Aggregate spreader, step type walkway with ladder

Hopper

- 12 cubic yard heaped capacity
- 6' x 13' top opening
- Heavy duty 25° sloped grizzly with 4" x 10" openings
- Hydraulic dump with scissor action for easy cleaning

Plant Capacity

- 200 TPH (tonnages will vary with conditions)

Crusher

- 3136 Horizontal Shaft Impact Crusher with heavy fabricated steel plate housing
- Direct coupled hydraulic drive; Hydraulic assist apron opening
- Abrasion resistant steel housing liners

Service Capacity

- 140 gal. fuel tank
- 150 gal hydraulic reservoir

Options

- Bulkhead assisting ramping for loader feed to feed hopper
- Remote control grizzly
- Bypass chute system
- Oversize Return Conveyor Belt Magnet
- Ground Level E-Stop (2 ea.)
- Consult factory for additional options

Physical/Operating Characteristics

Dimension	Standard	Metric
Overall Length	71' 1"	21.67 m
Travel Length	66' 9"	20.39 m
Operating Height	21' 9"	6.68 m
Travel Height	13' 11"	3.99 m
Operating Width	44'	13.41 m
Travel Width	11' 11"	3.39 m
Unit Weight	82,000 lb	37,195 kg

