

# Superior Guardian 6x20 3-Deck Portable Screen Plant, Unit #819

#1042049

Carrier chassis

- Main frame constructed of wide flange structural steel beams
- Tandem axle with (8) 11x22.5 radial tires
- complete air brake system
- mudflaps on rear axle
- Travel lights with brake and directional signals
- Fifth wheel hitch
- (4) fixed, structural steel cribbing legs
- Common Grease points - 1-2 locations to grease entire plant

Superior Guardian 6203 Horizontal Vibrating Screen

Supply and Installation for a 6x20 3 deck, all pertinent items and components including:

- adjustable motor base, motor sheave, screen sheave, v-belts, drive guard
- Screen and all pertinent items and components are supplied by Superior

Price includes the following items:

- 40 HP TEFC, 1200 RPM, 460 volt, 3 phase, 60 hz, screen drive motor
- screen subframe
- Screen is installed to operate in the horizontal position
- Right hand drive

Screen discharge chutes

- Roll away chute
- Constructed of 1/4" Mild Steel with 1/4" AR liners
- Top deck chute discharges over the kingpin end of the chassis or onto middle deck cross conveyor, 25% Blending gates
- Middle deck chute discharges onto middle or bottom deck cross conveyor, 25% Blending gates
- Bottom deck chutes discharges onto bottom or "blends up" to middle deck cross conveyor, 25% blending gates
- AR liners on both sides of blending gates

## Fines hopper

- 3/8" AR Construction with conveyor belt lining
- adjustable rubber flashing full length

## (2) 30" wide x 11' long reversing cross conveyors

- Structural steel channel main frame
- Mounted on rollers to manually move to discharge from either side of chassis
- Receive oversize material from respective middle and bottom decks
- Class II head end drive
- 7.5 HP motor, v-belt drive with drive guard
- Dodge shaft mount reducer
- Head pulley - 10" diameter drum, crown face, 3/8" diamond lagging
- Tail pulley - 10" diameter wing pulley
- Shafts - turned and polished
- Dodgebearings
- Manual screw take-ups
- Carry idlers - C5, 20 degrees trough, channel mount, spaced 26" OC
- Belting - 3 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- Primary belt scraper - Exterra® Belt Cleaner

## 60" x 29' fines conveyor (Horizontal)

- Structural steel channel main frame
- Capable of accepting a reject conveyor
- Class II head end drive
- 15 HP motor, v-belt drive
- Dodge shaft mount reducer
- Head pulley - 12" diameter drum, crown face, 3/8" herringbone lagging
- Tail pulley - 12" diameter Chevron® wing pulley
- Shafts - turned and polished
- Dodgebearings
- Manual screw take-ups
- Carry idlers - C5, 20 degrees picking, channel mount, spaced approximately 27" OC
- Return idlers - C5, flat rolls, spaced 10' OC
- Belting - 3 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- Primary belt scraper - Exterra® Belt Cleaner

## Walkway

- 3/16" diamond tread plate along both sides and feed end of screen
- Includes toe board, and two-rail handrail, bolt on
- Walkway access on both sides of the chassis with steep angle stair access
- Drain holes

#### Hydraulic "lift-only" leveling jacks

- (4) 6" x 18" hydraulic cylinders
- (4) manual lever valves; (1) for each cylinder
- 13HP Honda Motor gasoline over hydraulic, enclosed cabinet

#### Overhead Safety tie off

- Safety tie off over plant for workers to tie off when working on screen
- Folds down for transport

#### Cribbing Storage

- Hinged storage compartment
- Holds drive guard, screen cloth, cribbing materials, etc...

#### Electrical control panel

- NEMA 4 enclosure and NEMA SQUARE D electrical components
- Wired to on-plant motors
- (1) 40 HP screen drive motor
- (1) 15 HP fines conveyor drive motor
- (2) 7.5 HP reversing cross conveyors
- Amp guage on outside of panel
- Hour meter inside panel
- Warning horn and light
- Labelled start/stop pushbuttons and E-stop pushbutton mounted on door of electrical panel
- Mounted on skid frame with lifting eyes (mounted on ditch side of plant)
- Power cables from motors to place panel 30' from plant, cable storage tray inside frame above axles
- Includes 2 extra #2 starters
- Painted to match plant

#### Electrical

- Required power is 480 v/ 3 ph / 60 hz
- Control panel and wiring are not included

### Guarding

- Price includes standard guarding
- Customer is responsible to have guarding inspected

### Paint

- (1) coat primer; (1) finish coat enamel in Superior Beige

### Owner's manual

- (1) copy included for operation and maintenance

