



Superior Guardian 7x20 3-Deck Unit #1163/1255

#SN 1948853/2053814

PRICE: \$329,900.00

Equipment As Follows:

Superior Guardian 7x20 3 Deck Horizontal Screen SN 2053814

1. Unit Specifications

Screen size-7'x20' three deck triple shaft horizontal screen

Slope angle-Set at true horizontal (0 degrees)

Movement-High G-force screen with adjustable speed and stroke

Bearings-190mm spherical roller bearings with 38 gears

Springs-Standard coil springs

Suspension Damper-VS2 system

Motor Base-Slide adjustment motor base [less motor]

Body Construction-Huck bolted body constructed of 5/16" structural steel side plates

Discharge lips-6" discharge lips with 1/4" AR liners

Feedbox-24" feedbox with 1/4" AR liners

Inspection Ports-Bolt-on inspection ports and spray hole knockouts

Shaft Housing Protection-Standard mild steel protection clamped to shaft housing

Paint-Superior Class 1 - (1) coat primer; (1) top coat enamel, Greyhawk Beige 12-01156 for screen box and base frame (if included), and motor base

2. Drive Specifications

Drive-Right hand drive (standard)



Motor-50 HP, TEFC, NEMA Premium "Design C"

V-Belt Drive-With drive guard and tension system

Tuning Kit-Tuning kit included

Voltage-460 v / 3 ph / 60 hz

3. Top Deck Specifications

Top Deck-4' heavy crown deck, with thicker longitudinal bars: Max feed size is 14"

Screen media-Supplied and installed by customer

Take Up-Standard take up rails

4. Second Deck Specifications

Second Deck-Heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections

Screen media-Supplied and installed by customer

Take Up-Standard take up rails

5. Bottom Deck Specifications

Bottom Deck-End Tension Bottom Deck

Screen media-Supplied and installed by customer

Take Up-Standard take up rails

Superior Chassis SN 1948853



1. Plant Specifications

Construction- Main frame constructed of wide flange structural beams

Discharge chute- Manual rollaway chute constructed of ¼" structural steel with ¼" weld-in AR 400 liner

Blending capacity- ¼ panel blending gates in discharge chute system

Top deck discharge- over the kingpin or blends down to middle deck cross conveyor

Middle deck discharge- To middle deck cross conveyor or blend down to bottom deck cross conveyor

Bottom Deck Discharge- To bottom deck cross conveyor or blend up to middle deck cross conveyor

Walkway- Walkway around both sides and feed end of screen: extends out to the end of the discharge chute, manually folds one side (non-drive side)

Walkway access- Access to both sides of chassis with (2) removable aluminum ladders

Access gates- Self closing hinged gates at all walkway access points

Handrail- Welded square handrail with toe kicks

Grease package- Remote grease station, multiple grease points outside of chassis frame

Cord holders- Round pipe with end disc style cord holders welded to chassis frame

Safety tie off- Overhead safety tie off posts with cable between two posts

Paint- Standard Superior paint - Superior Beige 12-00619 w/ yellow guarding

Guarding- For all drive and tail pulleys, guards may not meet all local codes; customer is responsible to have guarding inspected

2. Chassis Specifications

Axle- Tandem axle with (8) 11Rx22.5 radial tires

Suspension- Spring suspension

Brakes- Complete air brake package

Fifth wheel- Included

Lights- Brake and directional signals



Mud flaps- Installed behind transport wheels

Cribbing legs- (4) fixed structural steel cribbing legs

Landing gear- Hydraulic lift-only leveling legs with 9 HP Honda Power Unit

3. Fines Hopper and Conveyor

Hopper Construction- 1/4" AR plate steel sides

Fines Hopper Liner- Under-screen hopper side wall lined with rubber wear liners

Gathering Trough- Full length with adjustable rubber flashing

Conveyor Size- 60" wide fines discharge conveyor

Conveyor Construction- Structural steel channel main frame

Drive- Class I head end

Gear reducer- Dodge shaft mount

Motor- 15 HP TEFC

Drive pulley- 12" diameter, 3/8" herringbone lagged MD drum

Tail pulley- 12" diameter, CEMA Chevron® wing pulley

Bearings- Dodge

Trough idlers- CEMA C, 5" dia. Rolls, sealed for life ball bearings

Returns- CEMA C, 5" dia. Steel rolls on 10' spacing

Belting- 3 ply 3/16 x 1/16 330 PIW

Belt splice- Factory installed Flexco mechanical fastener

Belt scraper- Superior Exterra® primary belt scraper

4. Cross Conveyor Specifications

Cross Conveyors- (2) 30" x 12' long slide-in reversing cross conveyors

Drive- Class I head end

Gear reducer- Dodge shaft mount



Motor- 7.5 HP motor(s) TEFC

Drive pulley- 10" diameter, 3/8" diamond lagged MD crown faced drum

Tail pulley- 10" diameter CEMA wing pulley

Bearings- Dodge SCM

Idlers- CEMA B, 5" dia. Rolls, sealed for life ball bearings, 20°

Belting- 3 ply 3/16 x 1/16 330 PIW

Belt splice- Factory installed Flexco mechanical fastener(s)

Belt scraper- (1) Exterra Primary scraper per cross conveyor

5. Electrical Specifications

Voltage- 460 v / 3ph / 60 hz

Panel enclosure- skid mounted panel, with lifting eyes. Travels on plant and removed for operation

Components- NEMA components, with start/stop push buttons, amp meter, hour meter and warning light

Starters- starters for all on plant motors and (2) additional #2 starters (up to 25 HP motors)

Wiring- factory supplied and installed wiring from panel to all on board motors. Customer responsible for wiring power into control panel, and additional starters

6. Paint

GreyHawk Beige 12-001156 with yellow guarding

On-Site Start-up, Training and Warranty Commissioning

- RB Scott will supply a field service technician to complete startup

