

Superior 7x20 3-Deck Screen Unit #1163

#SN 1948853

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

Toolbox- Not Included

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

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

Cribbing storage- Not included

Centering hopper- Not included

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

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

Tow eye- Not included

Level assist- Not included

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

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

Reject Conveyor Specifications

Slide-In Reject Conveyor- not included

Drive- not applicable

Gear reducer- not applicable

Motor- not applicable

Drive pulley- not applicable

Tail pulley- not applicable

Bearings- not applicable

Idlers- not applicable

Belting- not applicable

Belt splice- not applicable

Belt scraper- not applicable

Customer Supplied Screen Specifications

Screen size- Customer supplied Guardian 7x20 3-deck horizontal screen (WO TBD)

Screen drive- Right hand

Configuration- Operate in true horizontal position

Screen motor- 50 HP, TEFC, NEMA Premium "Design C"

Folding motor- Not included motor must be removed for transport

Shaft housing- Mild steel protection clamped to shaft housing

Springs- Standard coil springs

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

Sideliners- Standard screen sideliners

Screen media- Customer supplied and installed

Top Deck

Top deck type- heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections

Top take up- standard take up rails

Top cross member protectors- not included

Middle Deck

Middle deck type- heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections

Middle take up- standard take up rails

Middle cross member protectors- not included

Bottom Deck

Bottom deck type- heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections

Bottom take up- standard take up rails

Bottom cross member protectors- not included

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

Paint

GreyHawk Beige 12-001156 with yellow guarding



