



# 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





