

# GreyHawk Metso 6x20 ET Portable Screen Plant Unit #1513

#1283/SNTSE24087

EQUIPMENT AS FOLLOWS:

## METSO 6x20 TWO DECK HORIZONTAL SCREEN

- The new triple shaft Metso horizontal screen is designed for maximum efficiency and performance
- Coil Springs and dampers
- 5/16" Thick Side Plates with Huck Bolt Construction
- Side Tension decks with seal strips for 4' screen panels
- Heavy Duty Tube Steel Decks with Herringbone Cross Bracing
- Vibrating Mechanism (160mm bearings) with Oil lubrication
- Carriage Bolts used to retain clamp bars – Standard is 4' long bars / 5 ft available upon request
- AR lined Feedbox and AR lined 6" Discharge Lip
- Right hand variable speed drive standard with motor mount and belt guard and tensioning device
- Hand access on triple deck screens. Spray Bar knockouts, bottom deck Feed end curtain
- Machine painted per Metso Standard Grey Paint
- Hand of drive is Right Hand unless specified
  - Medium Scalper Deck – includes heavy duty side tension top deck, heavier feedbox liner and heavier top discharge lip. Also includes side extension wear liners along the screens sides and feedbox perimeter.
  - End tension single crown
- Installation Angle 0°
- Elliptical stroke 5/8" -3/4"
- RPM 675-875
- Separating G Force: 4.8-6.5
- Top deck options
- Middle deck options
- Bottom deck options

## GREYHAWK PORTABLE SCREEN PLANT CHASSIS

### 1. MAIN CHASSIS

- Main frame constructed of wide flange structural steel beams
- Tandem axle with (8) 11x22.5 radial tires

- Complete air brake system
- LED side marker and tail lights
- Fifth wheel hitch
- Catwalk around the sides and feed end of the screen

## 2. DISCHARGE CHUTES

- Roll away chute (Manual)
- Constructed of 1/4" Mild Steel with 1/4" stitch welded AR Liners
- Top deck can discharge over the kingpin, or to either cross conveyor (4 blending gates)
- Middle deck discharges onto front or rear cross conveyor (4 blending gates)
- Bottom deck discharges onto rear cross conveyor or underscreen conveyor (4 blending gates)

## 3. SIDE DISCHARGE CROSS CONVEYOR-30" (QTY 2)

- Formed channel main frame
- 10" Van Der Graaf motorized pulley
- 10" x 32" tail pulley, wing style
- CEMA C – 5" dia. 20 deg troughing idlers
- CEMA C – 5" dia. Return idlers
- Dodge bearings
- Manual screw take-ups
- Belting - 2 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- Scraper-Superior Exterra

## 4. REAR DISCHARGE UNDERSCREEN CONVEYOR-60"

- Formed channel main frame
- 14" x 63" head pulley, CF with 3/8" HB lagging
- 12" x 63" tail pulley, wing style
- CEMA C – 5" dia. 20 deg picking idlers
- CEMA C – 5" dia. Return idlers
- Motor-20HP 1800RPM 230/460/3ph
- Gear reducer-Master PT shaft mount
- Shafts - turned and polished
- Dodge bearings
- Manual screw take-ups
- Belting - 3 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- Scraper-Superior Exterra

## 5. HYDRAULICS

- 13HP Honda Hydraulic Power Unit
- (4) Leveling jack legs

## 6. CONTROL PANEL

- NEMA 4 enclosure
- NEMA SQUARE D electrical components
- 40 HP screen driver motor
- 10 HP cross conveyor (Reversing)
- 20 HP rear discharge underscreen conveyor
- #2 starters
- Hour meter
- Warning horn
- Labelled start/stop pushbuttons and E-stop pushbutton mounted on door of electrical panel
- Mounted on skid frame with lifting eyes
- Power cables from motors to place panel 15' from plant

## 7. SAFETY/GUARDING

- We install all standard guarding, customer will be responsible for compliance with local codes.

## 8. GENERAL:

- Paint
  - Sandblasted
  - Two-part epoxy primer
  - Two-part urethane topcoat
  - Chassis Color-GH Beige
  - Handrail/Guarding Color-GH Orange
  - Decals-Orange & grey striping
- (2) sets of owners/parts manuals

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