

## **MDS M413 Track Mounted Trommel Unit #1115**

**#M413032128**

### **M413 with 3 Splits with Changeable Screens**

Fines - 3"

Mid-Product - 12"

Output - 250-300 Tonnes per Hour.

Tipping Grid - 18"

### **Hopper and Feeder**

Feed hopper capacity - 141ft<sup>3</sup>

Feed Mechanism - Hardox heavy duty steel pan reciprocating push feeder

Plate width - 3' 4"

Speed - 8 Strokes per minute.

### **Weight & Working Dimensions**

Weight - 26.5 Tons

Length - 53' 5"

Width - 20' 5"

Height - 9' 10"

### **Trommel Drum**

Diameter - Internal 4' 1"

Length - 13' 1"

Incline angle - 5 degrees

Skeleton Drum – Utilizes bolt in steel screen panels

Screen segments - Manufactured from steel bar and bolted sections.

Mid Product Section - Removeable screen sections to allow customer to change sizes and repair or replace individual sections

Support Rollers - 4 support rollers constructed out of steel, mounted in cradle through spindle.

Support roller paths - Manufactured from high quality steel, welded to the barrel to give uniform solid support, machined face for smooth rolling motion.

Screen Drive - Hydraulic motor with toothed sprocket and chain drive

Drive Base - Fabricated base, mounted into the underframe

### **Transport Dimensions**

Dimension (L x W x H) - 42' 2" x 8' 2" x 10' 2" (no tipping grid)

Dimension (L x W x H) - 42' 2" x 11' 6.5" x 10' 2" (with tipping grid)

Machine weight without tipping grid - 51,000 LB

Machine weight with tipping grid - 55,350 LB

### **Conveyors**

#### **Fines Conveyor**

- 3' 3" wide

- Heavy-duty belt

- Feeding to the rear of the machine.
- Output height 7' 3"
- Single hub Hydraulic Drive

### **Mid Product Conveyor**

- 3' 3" wide
- Heavy-duty belt
- Feeding to the front of the machine.
- Output height 7' 9"
- Single hub Hydraulic Drive

### **Oversize Conveyor**

- 3' 3" wide
- Heavy-duty belt
- Feeding to the front of the machine.
- Output height 7' 8"

### **Power Unit**

Engine - CAT 2.2 67HP Engine

Tanks - Hydraulic and diesel

Cooling - Oil cooler

Engine Control Panel - Electric control panel for engine

Functions - Start/Stop for engine

- Operational controls for drum, feeder, and conveyors

Safety - Limit switches and emergency stops

Protections - Rain proof and ventilated panel

### **Control Panel**

Control Panel - Dust and Weatherproof to IP55

Panel Contents - Ignition key switch, emergency stop, and emergency stop circuit tester. Various control gauges (revs and temperatures)

