

Detailed Specs of Extec S-4 Track Screener

Intent:

It is the intent of these specs to describe a new screening plant. The screener is a self propelled track screener equipped as follows:

1. Double deck v/grid
2. Two (2) independently driven screen boxes
3. Remote control tracks for on-site mobility
4. Three (3) onboard stock-piling conveyors

Engine & Fuel Tank

- Duetz BF4M 2012 water cooled engine
- Diesel engine operates the hydraulic system
- Engine horsepower 100hp minimum
- Fuel tank capacity = 77 US Gallons
- Hydraulic tank capacity = 98 US Gallons

Vibrating Grid

- The screener is equipped with a remote controlled tipping vibratory grid on the hopper to facilitate material screening
- Vibratory grid is a double deck grid with heavy duty boiler bars on top and optional size screen mesh on bottom
- Vibratory grid to take two (2) end tensioned screens on bottom deck
- The vibratory grid is to run by direct hydraulic drive (no v-belts) with the grid main shaft positioned underneath the bottom deck
- Width of the vibratory grid inside the side flares is 8'
- Vibratory grid has two hydraulically operated side flares to control spillage

Hopper

- Must be able to carry a vibratory grid as specified above
- Hopper fitted with variable speed belt feeder
- Hopper conveyor width 47"
- Hopper belt is a one piece belt (no clips)
- Hopper belt frame can be removed from hopper so replacement belts installed are endless belts

Screen Box /Doublebox System

- The screen box consists of two individual screen boxes, each having it's own separate drive and each independently angled, referred to as a double-screen
- Each screen box is direct drive (hydraulic drive no v/belts)
- Both screen boxes can be independently angled
 - Primary screen box 36° max 18° min
 - Secondary screen box 26° max 18° min
- Primary screenbox has overall dimension of 4' x 5'
- Secondary screenbox has overall dimension 8' x 5'
- Combining overall dimension of 12'x 5'
- Full set of screens in double screen is four (4) screens
- Both screen boxes to be equipped with a rapid ratcheting tension system that is used in the installation and tightening of the screen mesh
- No bolts to be used in the installation of the screens in the screen box
- Screens to be end tensioned on all decks of both screen boxes

Stockpiling Conveyors

- Screener has three (3) on board stockpiling conveyors which are fully integrated into the machine
- Two (2) side conveyors to have chevron belts that are 27" wide
- Tail conveyor is 48" wide
- Side conveyors are variable speed conveyors

Main Conveyor

- Width of main conveyor is 40"
- Main conveyor is a variable speed conveyor
- Main conveyor is equipped with two (2) hydraulic pistons on the top to raise the conveyor to facilitate screen mesh change

Undercarriage

- The screener is equipped with remote control tracks for moving the machine onsite
- Track width 20"
- Track length 12' center to center

Catwalks

- Screener is equipped with catwalks on each side of the screen box
- Catwalks are hydraulically operated
- Catwalks fold out hydraulically for operation and are hydraulically folded in for transport

Detailed Specs of Extec S-5 Track Screener

Intent:

It is the intent of these specs to describe a new screening plant. The screener is a self propelled track screener equipped as follows:

1. Double deck v/grid
2. Two (2) independently driven screen boxes
3. Remote control tracks for on-site mobility
4. Transport boogie for road transport
5. Three (3) onboard stock-piling conveyors

Engine & Fuel Tank

- Duetz BF4M 2012 water cooled engine
- Diesel engine operates the hydraulic system
- Engine horsepower 100hp minimum
- Fuel tank capacity = 77 US Gallons
- Hydraulic tank capacity = 98 US Gallons

Vibrating Grid

- The screener is equipped with a remote controlled tipping vibratory grid on the hopper to facilitate material screening
- Vibratory grid is a double deck grid with heavy duty boiler bars on top and optional size screen mesh on bottom
- Vibratory grid to take three (3) end tensioned screens on bottom deck
- The vibratory grid is to run by direct hydraulic drive (no v-belts) with the grid main shaft positioned underneath the bottom deck
- Width of the vibratory grid inside the side flares is 10'4"
- Vibratory grid has two hydraulically operated side flares to control spillage

Hopper

- Must be able to carry a vibratory grid as specified above
- Hopper fitted with variable speed belt feeder
- Hopper conveyor width 48"
- Hopper belt is a one piece belt (no clips)
- Hopper belt frame can be removed from hopper so replacement belts installed are endless belts

Screen Box /Doublebox System

- The screen box consists of two individual screen boxes, each having it's own separate drive and each independently angled, referred to as a double-screen
- Each screen box is direct drive (hydraulic drive no v/belts)
- Both screen boxes can be independently angled
 - Primary screen box 36° max 18° min
 - Secondary screen box 26° max 18° min
- Each screen box overall dimension is 8'x 5', combining for an overall dimension of 16'x 5'
- Full set of screens in double screen is four (4) screens
- Both screen boxes, top & bottom, use the same size mesh so screens can be interchanged
- Both screen boxes to be equipped with a rapid ratcheting tension system that is used in the installation and tightening of the screen mesh
- No bolts to be used in the installation of the screens in the screen box
- Screens to be end tensioned on all decks of both screen boxes

Stockpiling Conveyors

- Screener has three (3) on board stockpiling conveyors which are fully integrated into the machine
- Two (2) side conveyors to have chevron belts that are 27" wide
- Tail conveyor is 48" wide
- Side conveyors are variable speed conveyors

Main Conveyor

- Width of main conveyor is 40"
- Main conveyor is a variable speed conveyor
- Main conveyor is equipped with two (2) hydraulic pistons on the top to raise the conveyor to facilitate screen mesh change

Undercarriage

- The screener is equipped with remote control tracks for moving the machine onsite
- Track width 20"
- Track length 12' center to center
- Screener is equipped with a triple axle boogie
- Boogie is a hydraulic self loading boogie
- Boogie gives the screener independent road transport without using a lowboy
- Hopper has a fifth (5th) wheel king-pin to transport it with Boogie

Catwalks

- Screener is equipped with catwalks on each side of the screen box
- Catwalks are hydraulically operated
- Catwalks fold out hydraulically for operation and are hydraulically folded in for transport