

## Superior 7' x 16' Tracked Feed Hopper, Unit #882

#1351804

### Hopper

- Size-7' x 16' top opening
- Construction-fabricated with 1/4" plate, reinforced around top and bottom
- Hopper Extensions-20" tall extensions bolted to hopper
- Capacity-8 cubic yards struck
- Grizzly-Grizzly bars of triangular construction 3/4"x4" flats on top w/ 3/8"x4 flat side bars.

-Adjustable with a minimum of 3 1/2" clear opening. (Factory set at 3 1/2")

- Hydraulic Grizzly Raise-full vertical dump position
- Bi-Directional Grizzly-includes tabs for user to switch grizzly pinning point to other side of plant
- Flow gate-not included
- Bottom opening-tapered bottom
- Trough Liner-Not included
- Hopper Liner-not included

### Belt feeder

- Size-42" belt width
- Frame-channel frame, removable from under hopper
- Drive-Hydraulic drive
- Backstop-Not included
- Access Door-Tail end access door
- Capacity-800 STPH max of 100 PCF material, 25° surcharge (90% fines, 10% lumps 8" minus)
- Belt Speed-Variable via manual valve: Up to 100 FPM
- Superior Idlers-CEMA D, 5" dia. Rolls, sealed for life ball bearings
- Flat Carrier-7 1/2" spacing
- Returns-Steel return rolls

### Discharge conveyor

- Size-36" wide x 46' long
- Frame-Heavy duty 12" formed channel
- Drive-Hydraulic drive
- Backstop-Hydraulic valve circuits limit belt rollback
- Capacity-800 STPH max of 100 PCF material, 25° surcharge (90% fines, 10% lumps 8" minus)
- Incline-max incline angle of 24 degrees



- Belt Speed-288 fpm
- Superior Idlers-CEMA C, 5" dia. Rolls, sealed for life ball bearings
- Load area (main)-20° trough, 16" spacing
- Trough-20° on 4' spacing
- Returns-Steel return rolls
- Self Aligning idlers-Not included
- Undercarriage-Hydraulic raise
- Top Fold-head section fold up hydraulically

-and lowers for transport

- Gathering trough -5' long with adjustable rubber flashing

### Chassis

- Construction-Heavy duty wide flange beam
- Track Mounted-supported on one pair of hydraulically powered steel tracks
- Stabilizer legs-Included with hydraulic raise/lower at tail end of hopper. Must be lowered for operation

### Conveyor Components Belt Feeder and Discharge Conveyor

#### Superior Pulleys

- Drive Pulleys-14" diameter CEMA, 3/8" herringbone lagged drum
- Tail Pulleys-12" diameter, Wing type pulley
- Shafts-Turned and polished
- Bearings-Dodge
- Take Ups-Screw type
- Belting Belt Feeder -3 ply 5/16 x 1/16, 285 PIW
- Belting Dish. Con.-3 ply 1/8 x 1/16, 230 PIW
- Belt Splice -factory vulcanized
- Belt Scraper-Superior Exterra Primary on discharge conveyor only

### Additional Specifications

- Control Panel-control panel and wiring included.
- Local Remote-local teatherd remote with push button controls.
- Wireless Remote-Included
- Self-Contained-63kw (84 HP) Cat Tier 4 Flex diesel engine supplies hydraulics to power all hydraulic functions.
- Throttle control-Manual throttle control level, to adjust engine idle for hi/lo operation
- Warning horn-Warning sirens sound prior to engine startup, and during track operation

- Guarding-for drive and tail pulleys and return idlers. Guards may not meet all local codes; customer is responsible to have guarding inspected.
- Tail Pulley Doors-hinged tail pulley covers on both sides of Belt Feeder and Discharge Conveyor.
- Paint-1 coat primer, 1 coat finish enamel: Superior Color Scheme
- Idler Paint-powdered coated Superior Orange
- Owner's Manual-(1) copy in English included for operation and maintenance

