



# **Superior 8x16 Portable Feed Hopper Unit #1344**

**#SN 2285986**

## **ON LEASE**

### **Equipment As Follows:**

Carrier Chassis

Construction- Heavy duty wide flange beam

Axle- Single, with dual 11x22.5 tires

Landing Legs- Crank-down

Fifth Wheel- included

Brakes- complete air brake package

Lights- brake and directional signals

Mud Flaps- installed behind transport wheels

Frame Skirting- sheet metal side guard runs full length of hopper, under trailer frame; front section folds up for transport. Both sides.

### **Hopper Specifications**

Hopper Size- 8' x 16' top opening

Hopper Construction- fabricated with 1/4" plate, reinforced around top and bottom

Hopper Capacity- 10 cubic yards struck

Bottom Opening- tapered, with I-beam breaker bar

Hopper Skirting- sheet metal side guard runs full length of hopper for protection for belt feeder, both sides

### **Grizzly Configuration**



Grizzly Bars- triangle bars; 3/4" x 4" flat bars on top with 3/8" x 4" flat side bars, adjustable spacing

Grizzly Dump- Grizzly raises and lowers hydraulically, 15hp electric pumping unit, electrical controls

Bar Spacing- 4" spacing between grizzly bars

Self Relieving- not included

Bi-Directional- Grizzly dumps to either side

Remote Control- included

Belt Feeder

Belt Feeder Size- 36" wide x 18' long

Belt Feeder Drive- Class I head end

Belt Feeder Gear Reducer- dodge shaft mount

Belt Feeder Motor- 15 HP

Belt Feeder V-Belt Drive- with drive guard

Belt Feeder Capacity- 250-850 STPH of 100 PCF material, 25<sup>o</sup> surcharge (90% fines, 10% spherical lumps 4" minus)

Belt Feeder Speed- variable, from 24 to 95 FPM

Belt Feeder Idlers- Superior CEMA C, 5" dia. steel rolls, sealed for life ball bearings

Flat Carrier- 7" spacing

Belt Feeder Returns- steel rolls, on 10' spacing

Belt Feeder Scraper- Superior Exterra Primary

Discharge Conveyor

Size- 36" wide x 40' long

Drive- Class I head end

Back Stop- installed in reducer



Motor- 20 hp

V-Belt Drive- with drive guard

Capacity- 850 STPH of 100 PCF material, 25° surcharge (90% fines, 10% lumps 4" minus)

Belt Speed- 350 fpm

Idlers- Superior CEMA B, 5" dia. rolls, sealed for life ball bearings

Load Area- 20° trough, 12-16" spacing

Trough- 35° on 4' spacing

Returns- steel rolls, on 10' spacing

Gathering Trough- with adjustable rubber flashing

Rock Guard- entire length of conveyor

Belt Scraper- not included

Raise- manual

Guarding- for drive and tail pulley's, v-belt drive and return idlers. Guards may not meet all local codes; customer is responsible to have guarding inspected.

### Conveyor Components

Drive Pulley- 14" diameter, 3/8" herringbone lagged drum

Tail Pulley- 14" diameter, MD Chevron pulley

Shafts- turned and polished

Bearings- dodge

Take Ups- screw type

Belting- 3-ply 3/16 x 1/16 330 PIW

Belt Splice- factory vulcanized splice

### Electrical Specifications

Voltage- 480 v / 3 ph / 60 hz

Electrical- enclosure with main disconnect, circuit breaker, and controller for variable frequency drive

Paint

Paint- 1 coat primer, 1 coat finish enamel, Superior Beige 12-00619

Guard Paint- Yellow

Idler Paint- powder coat Superior Orange

Sign Plate- RB Scott sign plate installed

On-Site Start-up, Training and Warranty Commissioning

- RB Scott will supply a field service technician to complete startup



